MANAV RACHNA
vidyanatariksha

Manav Rachna International Institute of Research & Studies

(A Deemed to be University, under section 3 of the UGC Act, 1956)
NAAC Accredited 'A' Grade University

ANNUAL REPORT

2019-20

"Manav Rachna"

Manav Rachna carries forward the mantle of excellence and professionalism with the philosophy of Manav Rachna.

"Vidyantariksha"

This is a conjunction of the words 'Vidya' and 'antariksha'. "Vidya" means knowledge, information the basis of creativity and innovation. It is the foundation of technology and envisages the future. "Antariksha" means 'the sky' the space which we belong to or exist. It can be split into 'antar' and 'iksha' which means inner vision. Hence the combination, the core promise of Manav Rachna becomes "the reality of inner vision or root of knowledge".

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Dr. Prashant Bhalla
Chancellor, MREI

From the Chancellor's Desk

More than two decades ago, MREI committed itself to respond to the imperative need for a robust professional education. Our ambition is to make sure the youth of today get the best education and best opportunities to meet both their personal and vocational goals. We established ourselves as a pioneer in the crusade a path-breaking paradigm which we have continued to drive forward.
MREI is a community where the best and brightest students learn from erudite faculty members and strategic partnerships. Our innovative curriculums and research opportunities are designed to solve today's most pressing problems. Through our undergraduate, graduate, postgraduate and doctoral programmes, we ensure our students receive a multidisciplinary and well-rounded education that prepares them to be the next generation of leaders.

We are aware of the needs of our country to make it a knowledge-based super power in the next decade or two. With this in view, we have stepped in to cater to futuristic academic ecosystem for the student community. Our endeavour is to create opportunities in various fields by subsuming latest specialties of learning in our system, which would cater to the critical needs of the industry and economy. We foresee a close interaction amongst the universities, industries, business houses in modeling the content and skills. This will make education more and more vocational, skill based and relevant.

The situation across the globe in the recent times have led educational institutions to overhaul their entire system to avoid any academic loss to the students. At Manav Rachna, we are highly concerned with the physical & mental well-being of all our students. Due to the unprecedented challenges created by the spread of Corona virus, learning at Manav Rachna transitioned to a virtual platform to ensure that academics of our students don't lag behind. Our faculty members constantly make focused efforts to ensure that virtual learning happens seamlessly.

We are a University which lays paramount importance to research. We have endeavored to design courses which are in sync with the ever-growing demands of the industry and enable scholars to explore the frontiers of fields where new knowledge and understanding are being created and ignite a passion for being in the vanguard of discovery. Being at the forefront of discovery and taking part in creation of new knowledge is an immensely rewarding and life-affirming experience.

I welcome you to explore the never-ceasing vistas of amalgamated knowledge, walk the untrodden path of seizing opportunities hitherto never thought of and be the beacon for the generations to come.

Dr. Amit Bhalla
Vice President, MREI

From the Vice President's Desk

It gives me great pleasure to present the Annual Report for the year 2019-20 with great deal of satisfaction and fulfillment. During the period under report, the University made significant progress on all fronts. Ours is a very young but very vibrant University. Manav Rachna is distinguished from others by its continued commitment to excellence and has been recognized as an institution that is involved in a high quality teaching and research in diverse fields. The University has been reaccredited by NAAC with grade 'A' which places the University among the top ranking Universities in the country. The University has also received the NBA accreditation for its four engineering undergraduate programmes. Committed to academic reforms, the University is making proactive efforts to develop and implement innovative curricular frame work and the Choice Based Credit System (CBCS) has been implemented in most of our academic programmes. The research programmes are equally innovative and qualitative. Conscious of its responsibility to create a culture of excellence, the University has been proactively promoting merit, objectivity and transparency in all its activities-processes that enthuses confidence amongst all its stakeholders.

The year 2019-20 brought along with it many challenges. The entire faculty and staff of Manav Rachna came together in these tough times to lay an emphasis on continued academic excellence via online classes and blended learning model. We have witnessed a greater focus on building research culture augmented by funding from various national and international funding agencies, While teaching is the primary focus and mainstay of the University, a conscious effort has been made to promote this culture of research, publication, innovation and participation in seminars, symposia, conferences etc by creating a conducive and enabling environment. It gives me immense pride to bring on record that majority of the faculty members presented papers, delivered key note addresses, chaired sessions, delivered lectures and talks, attended conferences and workshops and published papers in journals, many of repute.

Faculty - student team has led to another feather in the cap by establishing Start-up culture in the ampus wherein several such initiatives are being incubated and few are commercialized. Our University is also committed to make the students' educational experience multifaceted and holistic. This commitment is very evident with world class sports facilities, holding sports meets, and encouraging and facilitating student participation in national and international level competitions.

Always aim high and dream deep! All our dreams come true, if we have courage to pursue them. Here at MANAV RACHNA, it has been possible to enjoin academic vibrancy with moral values and social commitment and that is what we firmly believe in.

Prof. (Dr.) Sanjay Srivastava
Vice Chancellor, MRIIRS

From the Vice Chancellor's Desk

It is my honor and privilege to present the Annual Progress Report of Manav Rachna International Institute of Research & Studies, for the year 2019-20, before the Board of Management. I humbly acknowledge with great satisfaction and fulfillment that the contribution of all staff and faculty members of the University, who have shown an unparalleled devotion to their work, has resulted in the University growing considerably in scale and scope during the period under report.

MRIIRS is a multidisciplinary, research focused and student centric University, working on a mission to develop and educate the path-shapers of tomorrow, who will go on to shoulder the challenges of globally responsible and ethical leadership in the 21st Century. Above all else, it is the holistic development of our students into good human beings and responsible citizens of the nation that takes precedence. Such a vision requires altering education in a manner that grants a degree of freedom to the student – delivers a feeling that she- he is the architect of future. To catalyze this, the University is making proactive efforts to develop and implement innovative curricular frame work and the Choice Based Credit System (CBCS) has been implemented in most of our academic programmes from the academic year 2019-20.

After a remarkable beginning and a phenomenal growth in the past few years, the University can now showcase a truly multidisciplinary character, and in this setting, the academic programs have started flourishing on progressive inter disciplinarily and research-led learning. Its unique approach has the potential to positively influence the higher education landscape of our country in the next couple of decades. While teaching receives the primary focus, a conscious effort has been made to promote culture of research, publication, innovation and participation in seminars, symposia, conferences etc. by creating a conducive and enabling environment.

The previous year has been challenging in more ways than one and MRIIIRS showed unparalleled commitment and competence to academics. In such desperate times and with such desperate measures, the staff and faculty of Manav Rachna has handled personal, household and professional responsibilities meticulously. It is a testimony to their commitment to the profession and their spirit to ensure all the facets of the higher education universe are working like a well oiled machine.

MRIIRS is fortunate to have on board several faculty members who come from the best Universities of India and the world. A majority of the faculty members have presented papers, delivered key note addresses, chaired sessions, delivered lectures and talks, attended conferences and workshops and published papers in Journals of repute. Our Founder Visionary, Forever Dr. O.P. Bhalla, imagined Manav Rachna International Institute of Research & Studies as an investment in India's future – a contribution to the financial and human capital in the process of nation building. I must admit that it is our collective effort that is leading us in that direction.

I extend my heartiest gratitude to the students, faculty members, administrative staff, the trustees, and our management for setting MRIIRS on an accelerated path towards all round excellence. Here's hoping that we together march towards a brighter horizon.

OFFICER(s) OF THE UNIVERSITY

CHANCELLOR
Dr. Prashant Bhalla

VICE CHANCELLOR
Prof. (Dr.) Sanjay Srivastava

PRO VICE CHANCELLOR
Prof. (Dr.) M.K. Soni

REGISTRAR
Sh. R. K. Arora

DEAN ACADEMICS
Prof. (Dr.) Naresh Grover

DEAN RESEARCH
Prof. (Dr.) Sarita Sachdeva

DEAN STUDENTS' WELFARE
Prof. (Dr.) M.K. Soni

CONTROLLER OF EXAMINATIONS
Sh. N. K. Sharma

PROCTOR
Prof. (Dr.) M.K. Soni

UNIVERSITY LIBRARIAN
Dr. Vikram Sharma

DEAN(s) OF FACULTIES

FACULTY OF ENGINEERING & TECHNOLOGY

Prof. (Dr.) M. K. Soni w.e.f 01.01.2019
Prof. (Dr.) H.C.Rai w.e.f. 28.8.2019

FACULTY OF ALLIED HEALTH SCIENCES

Prof. (Dr.) Sarita Sachdeva upto 03.02.2019
Prof. (Dr.) A.K.Jain w.e.f 04.02.2019 to 30.03.2019
Prof. (Dr.) Naresh Grover w.e.f 12.06.2019

FACULTY OF MANAGEMENT STUDIES

Prof. (Dr.) S.K. Bedi upto 31.12.2018
Prof. (Dr.) Nand Lal Dhameja w.e.f 01.01.2019

FACULTY OF COMPUTER APPLICATIONS

Prof. (Dr.) S.S.Tyagi

FACULTY OF MEDIA STUDIES & HUMANITIES

Prof. (Dr.) Neemo Dhar upto 30.09.2019
Prof. (Dr.) Chavi B. Sharma w.e.f. 01.10.2019

FACULTY OF ARCHITECTURE & DESIGN

Prof. Sunil Kumar Arora upto 04.12.2019
Prof. (Col.) Sanjeev Gupta w.e.f. 05.12.2019 (Director)

FACULTY OF COMMERCE & BUSINESS STUDIES

Prof. (Dr.) Aparna Prashant Goyal upto 11.01.2020
Prof. (Dr.) Monika Goyal w.e.f. 13.01.2020 (Director)

FACULTY OF BEHAVOURAL & SOCIAL SCIENCE

Prof. (Dr.) Chavi Bhargava Sharma

FACULTY OF DENTAL SCIENCES

Dr. Arundeep Singh

CHAPTER-1

UNIVERSITY AT A GLANCE

With a mission to become a Centre of Excellence for Higher Education where aspiring students can be transformed into skilled and well-rounded professionals, Career Institute of Technology & Management (CITM) affiliated to Maharshi Dayanand University, a State University of Haryana was established in the year 1997. The College made rapid strides and was soon considered as a most preferred destination for students seeking admission to engineering and management programmes in the State of Haryana. It was conferred a status of Deemed University under Section 3 of UGC Act, 1956 by MHRD, GoI on the recommendations of the UGC, AICTE and Government of Haryana in the year 2008 in the name and style of Manav Rachna International University (MRIU). Vide MHRD Notification No. F.9-3-2007.U3(A) dt. 11-01-2018, the name of Manav Rachna International University, Faridabad (Haryana) has been changed to Manav Rachna International Institute of Research and Studies (Deemed to be University). Ministry of Human Resource Development, Govt. of India vide Notification No. F.9-3-2007-U3(A) Vol.2 dated 08-06-2018 has further extended-regularized the deemed to be University status to Manav Rachna International Institute of Research and Studies, Faridabad, Haryana from 21.12.2013 onwards.

In pursuance to the Notification No. F-10-2016-U3 (A) dated May 13, 2019 issued by Ministry of Human Resources Development (MHRD), Department of Higher Education, ICR Division, Govt. of India, New Delhi vide which Manav Rachna Dental College (MRDC) has been included under the ambit of MRIIRS as a constituent Institution. MRIIRS has registered an all-round growth in academics, research and development, ISR, student support and progression, leadership and governance, environmental consciousness besides achievements in many other exemplary processes and procedures. The University caters to all quality processes very ingeniously and as a result it has been accredited with 'A' Grade by National Assessment and Accreditation Council (NAAC) in October 2015 for 5 years from 16th November 2015 and now is in a process of 2nd Cycle of NAAC. The four programmes namely B.Tech Computer Science and Engineering, Electronics & Communication Engineering, Mechanical Engineering and Biotechnology have been accreditated by the National Board of Accreditation in the year 2018 under Tier I. It has also been awarded the prestigious QS Stars rating, scoring five stars rating in six categories i.e. Teaching, Employability, Academic Development, Facilities, Social-responsibility and inclusiveness and with 4 stars in Programme Strength of Computer Science and Engineering Programme and rated MRIIRS with Overall 4 Star rating in the year 2020. The UGC vide letter No. F.No. 22-1-2019(CPP-1-DU) dated 10th June 2020 has granted 12B Status to MRIIRS.

MRIIRS is offering UG, PG and PhD programmes in the broad areas of Engineering, Management, Physiotherapy, Foods & Nutrition, Dental, Media, Architecture, Business studies, Social sciences, Computer Applications and other consanguine areas. In Academic Year 2020-21, 54 programmes were offered under 10 teaching Faculties in the University. MRIIRS has forged knowledge partnerships with leading organizations like IBM, Intel, Infineon, Mitsubishi, Xebia, Red Hat, CISCO, UI Path, Quick Heal, Honda Motors, Palo Alto, Bombay Stock Exchange and others to add value to our programmes. Industry experts and academicians along with other stakeholders are requisitioned to provide inputs to identify the programme education objectives and design curriculum. An exhaustive and meticulous process is adopted to prepare the academic curriculum of different courses- strictly as per the guidelines of the UGC - AICTE - and other Regulatory Bodies. The continuous inputs from the industry, prospective employers and alumni has also given due considerations.

Knowledge and Skills to the students are disseminated through faculty members drawn from top-notch institutions in India, well-stocked state-of-the-art Library with a rich digital resource, well equipped labs and overall tranquil environment in the Campus that makes learning a joyful experience. A well-entrenched Internal Quality Assurance Cell has led to many quality-enhancing initiatives in the University. We believe that teaching-learning and evaluation form the bedrock of any educational programme. To lend cutting edge to our pedagogical processes, interventions of ICT and contemporary educational technologies are part of our academic delivery. A large number of choice-based value-added courses are offered to the students with the purpose of expanding their frontiers of knowledge by these cross-domain movements. Our students and faculty have been engaged with a large number of MOOC courses so as to enrich and broaden their knowledge-base. The emphasis is on imparting of quality education along with fostering a spirit of inquisitiveness among the students to openup new vistas of knowledge. Great store is set by practical training in the laboratories, industry attachments and project works. A large number of conferences, seminars, colloquiums, expert talks are organized to enable students to transcend far beyond the classroom teaching.

MRIIRS has made sufficient headway in promoting and providing a research culture for its students and faculty. They are generously encouraged to pursue research and innovation in Research Cluster Labs and Centre of Excellences under its Research Innovation and Incubation Centre. The Institution has to its credit, over 6074 Research Publications in International and National Journals and Conferences. This includes 869 papers listed in the Scopus database and many in Web of Science and SCI. More than 711 book chapters with 38 book chapters indexed in Scopus have been authored by faculty members. MRIIRS was awarded funding of Rs. 2.87 Crores for setting-up New Generation Innovation and Entrepreneurship Development Centre (NewGen IEDC) under National Initiative for Developing and Harnessing Innovation during 2017 and is in the third year of the project. NIESBUD has empanelled MRIIRS under *Pradhan Mantri Yuva Yojna* for training, consultancy and research in order to promote Entrepreneurship. A research project for

capacity building of women entrepreneurs was awarded by ICSSR with funding of Rs. 10,00,000/- in the year 2019. Another research project for conducting study with probable technological solution on water-logging in Faridabad City has been awarded by DST, GoI with funding of Rs. 68 lakhs in 2020. Several other research projects, sponsored projects, consultancy projects are going on at the Campus.

We have a well-entrenched Ph.D. programme in the University and all UGC guidelines 2016 on the subject, are followed. Projects of our students are highly appreciated in different forums and have regularly won awards and recognition in various national and international competitions. The students and faculty from almost all States and Union Territories form part of student and faculty population in MRIIRS. A sprawling Campus on the outskirts of Delhi with well-equipped laboratories, classrooms aided by smart devices, seminar halls, auditoriums, amphitheatres, Campus-wide internet access along with liberal computer resources go a long way in providing a stimulating academic ambience. Dedicated Career Development Centre and Corporate Resource Centre provide well-designed training modules to enhance their soft-skills, communication-skills and their employability attributes through highly trained professionals. The University has an outstanding record of achievements of its students in sporting events across the country. Anti-ragging Committees, Grievances Redressal Mechanism, scholarships for meritorious, needy students and Female students are available.

Vice-Chancellor is at the helm of affairs of every academic, administrative and financial function of the University and powers are delegated to Deans and Heads of Departments for an efficacious governance and management. Meetings of the Board of Management, Academic Council, BOS, DRC, BOF, Finance Committee, Planning and Monitoring Board, Grievances Redressal Committee are regularly held for long-term and short-term planning, making mid-course corrections and a sustained growth of every process and procedure.

MRIIRS has always been in the forefront of rendering Institutional Social Responsibility for the welfare of society and commitments are discharged to the community with great alacrity. Regular participation in Institutional Social Responsibility (ISR), such as carrying out activities in the fields of Awareness and Prevention of Deadly Diseases, *Swachha Bharat Abhiyaan*, Oral Hygiene, Rehabilitation, Environment, Social Upliftment, Removal of Illiteracy, Blood Donation, Awareness and Prevention of Child Labour, Anti Ragging and Social Harmony is customary with us.

Radio Manav Rachna 107.8 FM at MRIIRS Campus is the first Community Radio station of Faridabad. This community Radio was enabled to us by the Ministry of Information, Government of India. As a Community Radio station it strives to bring out the best programs for the community awareness, besides entertaining and educating the general public.

MRIIRS provides a whole slew of comfortable facilities like those of hostels, mess, and transportation, medical attendance and so on to its students, faculty and staff alike.

Intiatives during pandemic COVID-19:

To keep the students safe during pandemic the educational institutions had to be closed down for face to face learning in brick and mortar classroom. Manav Rachna International Institute of Research and Studies (MRIIRS) has always been a torch bearer in the areas of Studies, innovation and Research. MRIIRS was ready with the technology long back and was already moving out from conventional system to a new technology with an emphasis on collaborative, hands-on work; however the pandemic situation has put them on a high speed roller coaster ride to shift academic and teaching system to a totally remote and online. MRIIRS adopted technology supported classes within a week of closure of the classes. With more than 5000 students registered in January 2020 for various semesters, MRIIRS started its online delivery from 23rd March 2020. Simultaneously it started framing plans as to how students can continue to learn using various other technology support measures. After receiving many suggestions it was decided that "keeping in view the motto that 'learning does not stop', it was decided to engage students through online mode and adopt digital - online classes' mode from March 23, 2020 on online e-platform of Microsoft 365 Teams. The faculty members and students were trained and educated about e-platform after holding online sessions for effective interaction with the students.The delivery of the semester which started in January 2020 was completed by 1st week of May through online delivery. The student's attendance with online classroom learning environment was even better as compared to conventional mode. Students were also encouraged to go for online courses available on SWAYAM platform under credit transfer scheme on the University as per guidelines of MHRD, AICTE and UGC. Students have done lot many value-added courses through other internationally reputed online platforms like Coursera, Udamy Edx, Indian Institute of Remote Sensing - ISRO. The University also completed the assessment of previous semester by 15th May, 2020 and declared results within seven days. The examinations were conducted remotely on a third party online examination platform hired from M/s. Mettl specially for artificial intelligence based automatic proctoring coupled with manual proctoring facility by University teachers and mentors. However the sessional exams were conducted in conjugation with Microsoft Teams meeting and Google meet. The tutorials on Microsoft Teams were enriched with links from YouTube, MOOCS and other references. The guest lectures and seminars were arranged on the platform of Zoom, Microsoft Team and Go-To-Webinar. The preparation for next semester was initiated by the University. The issue of engagement of students during summer was discussed with the parents and received an encouraging feedback from them. University in consultation with Deans and Heads of Departments discussed the issue with the faculty and also with the advisory bodies and it was unanimously decided that the classes for next semester should be started immediately, so that students' time is utilized effectively. By doing so, it was thought that students would be free by last week of September and by then, hopefully the pandemic will be under control and students can go

to industry or R & D organization or work at University's IIC on innovative ideas for at least 12 weeks. The idea was also appreciated by various industry partners as well. The next semester for senior classes was started immediately so that the summer time of students could be utilized effectively. The University in collaboration with IIT Delhi has been able to get most of the experiments conducted through an online mode while incorporating Virtual Labs. For practical courses the students are attending the lab courses physically in the Campus in staggered mode by following all necessary instructions as laid down by the Govt. During this period, various directions from regulating bodies like AICTE - UGC which gave more focus on Project Based Learning and encouraging Innovations. Many students came up with various innovative ideas and have motivated them to go to next stage and use these concepts for creating start-ups. During this period MRIIRS has been able to successfully adapt the digital environment for teaching-learning process, which is a hybrid in nature, flexible to use, gives students autonomy to study when they feel like. During this crucial health crisis many students have come up with many innovative ideas and have been able to bring laurels for themselves and the University. Thus a culture of Innovations has been established and shall lead to development of new products and processes. It has also been found that adoption of digital strategies has enhanced learning and achieved higher order learning objectives. It is expected that pandemic has and shall affect the future delivery methods and more and more digitalization will become the norm.

Vision, Mission & Objectives

Vision:

Manav Rachna International Institute of Research & Studies (Deemed to be University) is dedicated and committed to train and equip its students with the latest knowledge and skills in the chosen fields in the backdrop of Indian ethos and values to enable the students to face any global challenge with a view to transforming them into insightful, honorable and responsible citizens of this great country; and imbibe a work culture of theoretical and applied research leading to creation and dissemination of knowledge.

Mission:

To provide an environment in which teachers love to facilitate and students love to learn, consisting of infrastructure facilities at par with the best institutions in India and abroad. The aim is:

- To inculcate skills and impart knowledge to the ignited minds in the fields of Science & Technology and soft skills including leadership, team-building and communication.
- To create human beings with golden heart, who work and dedicate themselves for advancement of humanity.
- To undertake research and development activities in collaboration with the world of work leading to creation of new knowledge in the fields of Science, Commerce, Humanities, Engineering & Technology, Management, Health Sciences & Therapies, Sports, Multi-media, Applied & Performing Arts.

Quality:

MRIIRS strives continuously to improve quality of education, to nurture the talent of our students to enable them to embark upon a successful career. Our highly qualified team is dedicated to accomplish these objectives by imparting a proper blend of high conceptual and practical skills to the students. They are ably supported in their endeavour by excellent infrastructure, teaching methodology and commitment to Quality Management.

Main Objectives:

- To steer our young students towards a gateway of exciting professional careers through State-of-the-Art training and progressive development continuum.
- To impart knowledge, professional and human skills as well as to strengthen the character of its students and teachers so as to enable them for national development and social transformation.

- To provide conducive ambience culminating in development of a research culture in which both the students and teachers are encouraged to engage in Research and Development activities.
- To foster and nurture talent to promote out of box thinking to strike at innovative and radical solutions
- To provide amenities and support for its students and teachers to assimilate the latest technological advances within a dynamic environment
- To encourage its students and teachers to develop co-scholastic skills, proficiency in sports, excellence in arts and culture, and other intellectual pursuits for holistic development.
- To provide a multitude of platforms through Conferences, Symposia, Seminars of the National - International levels to expose its students and teachers to the contemporary and futuristic trends of research.
- To encourage consultancy and extension to serve the society.
- To inculcate values of national pride, equality, inclusive growth, unity and justice.

1.2 Academic Programmes

There are nine teaching Faculties offering 52 programmes (28 UG and 24 PG) along with Ph.D programme in the University. Well known experienced academicians and professionals are associated in preparing the academic curriculum of different programs strictly as per the guidelines of the UGC - AICTE - and other Regulatory Bodies. The emphasis is to impart quality education and to offer a congenial and liberal environment in the Campus. The promotion of sports and extra-curricular activities is one of calculated strategies. Sport events are organized at a regular interregnum and students are encouraged to participate in such activities that not only enhance their co-curricular content and professional needs but also expand their horizons beyond the professions they are going to pursue. The co-curricular are related activities, organized to judge the potentiality of the students. "*Creating better human beings*" is the motto of Manav Rachna International Institute of Research and Studies. While achieving academic excellence, at MRIIRS acquisition of knowledge skills is facilitated by organizing Conferences, Seminars, Workshops and continuing education programs. Talent clubbed with hard work is a sure key to success and the University has witnessed this with its proactive staff and students. Excellence being our mantra, all our effort and each of the endeavours are directed towards this.

The following academic programmes were offered in 2019-2020:

Faculty of Engineering & Technology (FET)

B. Tech (4 yrs)

1. Aeronautical Engineering
2. Automobile Engineering
3. Biotechnology
4. Civil Engineering
5. Computer Science & Engineering
6. Electrical & Electronics Engineering
7. Electronics & Communication Engineering
8. Mechanical Engineering

B. Sc. (3 yrs)

1. B.Sc. Data Science
2. B.Sc. (Hons) Geology

M. Tech & M.Sc. Programmes (2 yrs)

1. M. Tech. Biotechnology
2. M. Tech. Mechanical Engineering
3. M. Tech. Electronics and Communication Engineering
4. M. Tech. Computer Engineering and Networking
5. M. Tech. Power Electronics & Electrical Drives

6. M. Tech. Civil Engineering
7. M.Sc. Biotechnology
8. M.Sc. Applied Geology

Faculty of Allied Health Sciences (FAHS)

1. Bachelor of Physiotherapy (BPT) – [(4½ yrs.) with 6 months compulsory internship]
2. Master of Physiotherapy (MPT) - (2 yrs.) with specialization in Musculoskeletel - Cardio Pulmonary - Sports - Neurology
3. Bachelor of Science - Nutrition and Dietetics – [(3yrs.) including two months Clinical - Industrial Training]
4. Master of Nutrition & Dietetics (2 yrs.)

Faculty of Management Studies (FMS)

1. MBA - Master of Business Administration (2 yrs)
2. B.Sc – Hospitality and Hotel Administration (3 yrs)

Faculty of Computer Applications (FCA)

1. Bachelor in Computer Applications (BCA) - (3 yrs.)
2. Bachelor of Science - Information Technology - (3 yrs.)
3. Master of Computer Application (MCA) - (3 yrs.)

Faculty of Media Studies & Humanities (FMeH)

1. Bachelor of Arts – (Journalism and Mass Communication) - (3 yrs.)
2. Master of Arts – (Journalism and Mass Communication) - (2 yrs.)
3. Bachelor of Arts (Hons.) English - (3 yrs.)
4. Master of Arts English - (2yrs.)
5. PG Diploma in Advertising & Public Relation – (1 yr)

Faculty of Architecture & Design (FAD)

1. Bachelor of Architecture (B. Arch.) - (5 yrs.)
2. Bachelor of Interior Design (3 yrs.)
3. Bachelor of Visual Arts (4 yrs.)

Faculty of Commerce & Business Studies (FCBS)

1. Bachelor of Business Administration (BBA) - General (3 yrs.)
2. Bachelor of Business Administration- International Business (Global) - (3 yrs.)
3. Bachelor of Business Administration -Banking & Financial Markets - (3 yrs.)
4. Bachelor of Commerce (B.Com) Hons - (3 yrs.)
5. Master of Commerce (2 yrs.)

Faculty of Behavioural & Social Sciences (FBSS)

1. B. A (Hons.) - Applied Psychology (3 yrs.)
2. B. A (Hons.) - Economics (3 yrs.)
3. B. A - Liberal Arts (3 yrs.)
4. M. A - Applied Psychology (2 yrs.)
5. M. A - Economics (2 yrs.)
6. Master of Social Work (MSW) – (2 yrs.)

Faculty of Dental Sciences (FDS)

1. Bachelor of Dental Surgery (BDS) - (5 yrs.)
2. Master of Dental Surgery (MDS) - Prosthodontics and crown & Bridge (3 yrs.)
3. Master of Dental Surgery (MDS) - Orthodontics & Dentofacial Orthopedics (3 yrs.)
4. Master of Dental Surgery (MDS) - Conservative Dentistry & Endodontic (3 yrs.)
5. Master of Dental Surgery (MDS) - Pedodontics and Preventive Dentistry (3 yrs.)
6. Master of Dental Surgery (MDS) – Periodontology (3 yrs.)

1.3 Knowledge Partners

MRIIRS has signed MOUs with leading corporates and institutions of the country and abroad to fortify the life skills of our students and to make them excel in their chosen professional careers. Our knowledge partners include the following:

IBM

IBM, a well known multinational conglomerate having a turnover of more than US $ 100 billion with Headquarters at New York, US, has tied up with MRIIRS to jointly offer B.Tech. - Computer Science & Engg. with specialization in Cloud Computing, Business Analytics & Optimization, IT Infrastructure Management, Cyber Security & Forensics, Mainframe Technology, Open Source Software & Open Standards, Graphics and Gaming Technology. IBM primarily having worldwide business in Computer Hardware-Software, IT Services and IT Consulting (provide LMS), provide training for the Teacher Programmeme, Student Projects, Expert Lectures, Industry connectivity for both the students and the teachers, so as to enable them to experience the live IT Environment. The arrangement shall help students to acquire domain skills in the most advanced areas of IT and preferential placements by IT companies. Students enrolled in this programmeme shall have access to an online Eco-system Platform namely Innovation Center for Open Standards enabling them to access course material, discussion forums, student projects, industry mentors and news-clips. IBM shall also issue certificates for various modules after successful completion of the same.

JBM Group

JBM Group, is, a $1.35 billion conglomerate with interests in automobiles, engineering & design services, renewable energy and education sectors. JBM Group is a global enterprise headquartered in New Delhi, with an infrastructure of 35 manufacturing plants and 4 Engineering & Design centres across 18 locations globally. JBM is a Tier-1 component supplier to Maruti Suzuki, Mahindra & Mahindra, Honda Motors, General Motors, Ford, Fiat, Renault-Nissan, Volkswagen, Tata Motors, Toyota, Hero Moto Corp, TVS Group, Yamaha, Ashok Leyland, Volvo-Eicherand JCB. JBM Group has two listed entities, namely, Jay Bharat Maruti Ltd and JBM Auto Ltd. It is the largest Tier-1 supplier of automobile components and assemblies in India has associated with B.Tech Mechanical Engineering - Industry Integrated Programme of MRIIRS. JBM functional managers conduct classroom and lab training in 3rd and 4th year for specialized subjects. The students undergo 24- week Industry attachment and pass outs are provided assured placement in JBM Group and associate companies subject to meeting specified academic benchmarks.

Infosys

Manav Rachna has been associated with Infosys since 2009 for training the students and faculty members under the purview of the Infosys Campus Connect Programme. Under this programme, Infosys certified faculty members conduct special modules for grooming and soft skills of graduates, as per industry demand. Manav Rachna International University is offering a number of elective courses under the same flagship. Infosys has also sponsored faculty members for participation in international conferences.

KPMG, a world renowned Consulting company associates with MBA and B.Com-Industry Integrated Programmes. KPMG Consultants conduct classroom and lab training. The pass outs get preferential placements in KPMG and associate companies.

ICICI Direct Centre for Financial Learning: MRIIRS has entered into an MOU with ICICI Securities Limited to provide classroom training and joint certification for identified financial courses of the University. ICICI Securities is engaged in equity broking and merchant banking and delivers professional financial programmes through ICICI Direct Centre for Financial Learning. Under this arrangement, ICICI Direct is conducting professional modules in each semester of the BBA (Banking and financial markets) Programme of the Department of Business Studies under the Faculty of Commerce and Business Studies. The professional modules include Financial Planning, Equity and Derivative Markets, Fundamental and Technical Analysis, Investment Products and Management, Private Banking and Financial Projects. The practical modules are of immense help, enhancing employability of the students in different financial sectors.

gies Pvt. Ltd., University Programme Partner of Texas Instruments (TI), India has signed an MOU with MRIIRS for setting up a joint Lab entitled "Texas Instruments Embedded System - Microcontrollers" at MRIIRS premises. EdGate Technologies Pvt. Ltd. will provide equipment and training material to set up the lab based on TI platform and to provide initial training and learning material to begin the instructions. EdGate Technologies Pvt. Ltd. will help the university to organize training programmes - tutorials, workshops and faculty development programme in its premises for faculty members of MRIIRS and other Engineering Institutions to teach topics related to TI platform.

Mitsubishi Electric India (MEI) is a well-known brand and Global Leader in Electric and Electronic Equipment for Residential, Commercial and Industrial use. Mitsubishi Electric has presence across India with a large distribution channel which is expanding to more cities. Mitsubishi Electric India (MEI) offers complete solution for factory automation and industrial products, residential, commercial and industrial air conditioning, video and imaging products and provision for technical and marketing support for power semiconductors, photovoltaic modules, transportation, power systems and CNC solutions. MEI provides regular training, training material like manuals - catalogues to the students nominated by MRIIRS, conducts seminars - demonstration on Automation Technology and Products at the premises of MRIIRS.

ATMEL India University program partners for sponsoring labs and organizing FDPs, events, workshops on ATMEGA 168PB and SAM D21 Microcontrollers.

R-Systems collaborates with MRIIRS for enriching the technical education process by providing industrial training to the students and jointly work on research based industrial projects.

By Starting this collaborative programme in B.Tech - ECE (with specialization in AI & IOT), students shall be acquainted with latest skills in the cutting edge technologies using Intel Intelligent Systems Lab through INTEL experts and will get an opportunity to work on INTEL Xeon Processors, INTEL Parallel Studio Software, Intel System Studio Software, INTEL AI development Tools, INTEL AI Software Libraries, INTEL Frame Work Optimization, Movidius Neural Compute Stick and INTEL FPGA Boards

BSE INSTITUTE LTD.
A wholly owned subsidiary of BSE Ltd.

Manav Rachna Vidyantariksha Private Limited has entered into MOU with BSE Institute Limited for establishing a Center of Excellence to offer educational training programs in the capital markets and finance sectors to the students of various institutions falling under the ambit of Manav Rachna Educational Institutions. BSE Institute Limited conducts short term courses on "How to Master in the Stock Market" and "Advanced Course on Stock Market" from time to time.

A full fledged Honda lab to provide hands-on job training to the students and faculty about Honda fleet of two wheelers (Scooters and Bikes) and a platform to take up research projects in emerging area in association with HMSI.

The first centre developed by Infineon's Power Management & Multimarket (PMM) has been set up in India as "Infineon Centre of Excellence" in MRIIRS.

Provides training programs on power converter technologies to the students as well as for faculty members to enhance the practical skills. Based upon the test conducted after the trainings, they work on live project with Infineon Technologies.

TECKKONNECT

Department of Civil Engineering, Manav Rachna International Institute of Research & Studies entered into MOU with M-s Teckkonet for imparting training on "Road Geometric Design & Application using MX - Road" to the students of UG & PG programs.

1.4 International Collaborations

MRIIRS has collaborated with following various International Institutions - Universities to facilitate the faculty and student with exchange and collaborative research:

- AIS Auckland, New Zealand.
- Tsukuba University, Japan.
- Lahti University of Applied Sciences, Finland.
- University of New Castle, Australia.
- Western Sydney University, Australia.
- Nottingham Trent University, UK.
- Purdue University.
- Algonquin College, Ottawa.
- Missouri State University, USA.
- University Sains Malaysia.
- Teesside University, UK.
- Binawan Institute of Health Sciences, Indonesia.
- Gerlev P E & Sports Academy, Denmark.
- University Pendidikan Sultan Idris, Malaysia.

CHAPTER – 2

AUTHORITIES OF THE UNIVERSITY

BOARD OF MANAGEMENT

Ex-Officio Member

Prof. (Dr.) Sanjay Srivastava	Vice Chancellor	Chairman

Pro Vice Chancellor

Dr. M. K. Soni	Pro Vice Chancellor

Other Members:

Two Deans of Faculties:

Prof. Sunil Arora	Dean - FAD upto 04.12.2019
Dr. Arundeep Singh	Dean - FDS w.e.f 09.01.2020
Dr. Neemo Dhar	Dean - FMeH upto 24.09.2019
Dr. H. C. Rai	Dean - FET w.e.f 25.09.2019

Three eminent academicians nominated by the Chancellor:

Dr. D. S. Kumar	Former Professor, PEC, Chandigarh & Director - CITM, Faridabad.
Sh. M. K. Miglani, IAS (Retd)	Former Vice Chancellor HAU & K.U.K
Dr. N. C. Wadhwa	DG- MREI

UGC Nominee:

Vacant	yet to be nominated by the UGC

Two Faculty Members (from Professors, Associate Professors):

Dr. Devashis Pramanik	Prof., Dept. of ME, FET upto 12.08.2019
Dr. Anupama Rajput	Prof., Dept. of Applied Sc. w.e.f 25.09.2019
Sh. Dev Kumar Dodeja	Associate Professor, FET upto 07.08.2019
Dr. Sunita Virmani	Associate Prof., Dept. of CSE. w.e.f 25.09.2019

One Faculty Member of the Rank of Assistant Professor:

Ms. Pinki Sagar	Asst. Prof., CSE, FET upto 15.01.2020

Nominees of the Trust:

Dr. Amit Bhalla
Dr. M. M. Kathuria
Sh. Atul Kalra
Sh. Navdeep Chawla

COE, MRIIRS (Permanent Invitee)

Sh. N. K. Sharma

Secretary:

Sh. R. K. Arora	Registrar, MRIIRS

ACADEMIC COUNCIL

Ex-Officio Members:

1.	Prof. (Dr.)Sanjay Srivastava	Vice – Chancellor	Chairman
2.	Dr. M.K.Soni	Pro Vice Chancellor	
3.	Dr. M.K.Soni	ED & Dean - FET w.e.f 01.01.2019 to 27.08.2019	
4.	Dr. H.C.Rai	Dean - FET w.e.f 28.08.2019	
5.	Dr. Naresh Grover	Dean - FAS	
6.	Dr. Neemo Dhar	Dean - FMeH upto 30.09.2019	
7.	Dr. Chavi B. Sharma	Dean - FMeH w.e.f 24.07.19 to 04.06.2020	
8.	Dr. Maithili Ganjoo	Dean - FMeH w.e.f 05.06.2020	
9.	Dr. Aparna Prashant Goyal	Dean - FCBS upto 11.01.2020	
10.	Dr. Nandlal Dhamija	Dean - FMS	
11.	Dr. Chavi B. Sharma	ED & Dean - FBSS	
12.	Prof. Sunil Arora	Dean - FAD upto 04.12.2019	
13.	Dr. M.K.Soni	Dean - FAD w.e.f 05.12.2019	
14.	Dr. S.S.Tyagi	Dean - FCA	
15.	Dr. S.K.Saluja	Dean - FHM	
16.	Dr. Arundeep Singh	Dean - FDS	
17.	Air Cmde. Devender Sharma	HoD, Dept. of Aero, FET	
18.	Dr. Devender Vashisht	HoD, Dept. of AUTO, FET	
19.	Dr.Sadiqa Abbas	HoD, Dept. of CIVIL, FET	
20.	Dr.Suresh Kumar	HoD, Dept. of CSE, FET upto 07.01.2020	
21.	Dr. Supriya P Panda	HoD, Dept. of CSE, FET w.e.f 08.01.2020	
22.	Dr. Brijesh Kumar	HoD, Dept. of CSE(IBM), FET w.e.f 08.01.2020	
23.	Dr. Anita Khosla	HoD, Dept. of EEE, FET	
24.	Dr. Manu Srivastava	HoD, Dept. of ME, FET upto 05.03.2020	
25.	Dr. Manoj Nayak	HoD, Dept. of ME, FET w.e.f 24.04.2020	
26.	Dr. Manu Solanki	HoD Dept. of BIO-TECH, FET	
27.	Dr. Jyoti Chawla	HoD, Dept. of Applied Sciences, FET w.e.f 08.01.2020	
28.	Dr. Abhiruchi Passi	HoD, Dept. of ECE, FET upto 07.01.2020	
29.	Dr. Vijay Kumar	HoD, Dept. of Mathematics, FET upto 07.01.2020	
30.	Dr. Devi Singh	HoD, Dept. of Physics, FET upto 07.01.2020	
31.	Dr. Arunangshu Mukherjee	HoD, Dept. of Earth Sc & Env	
32.	Prof. Sanjay Kumar Surya	HoD, Dept. of Arch & Design	
33.	Dr. Pooja Anand	HoD, Dept. of Physiotherapy, FAS upto 31.05.2020	
34.	Dr. Mottar Raza Rizvi	HoD, Dept. of Physiotherapy, FAS w.e.f 01.06.2020	
35.	Dr. Divya Sanghi	HoD, Dept. of N& D, FAS	
36.	Mr. Sushil Kumar Pasricha	HoD, Deptt of Business Studies,FCBS	
37.	Dr. Jayander Verma	HoD, Dept. of Comm. & Hum., FCBS	
38.	Sh. Manoj Raut	HoD, Dept. of Media Studies, FMeH	
39.	Dr. Shivani Vashisht	HoD, Dept. of English, FMeH	
40.	Dr. Shaveta Bhatia	HoD, Dept. of Computer Application,FCA	
41.	Dr. Deepti Dabas Hazarika	HoD, Dept. of Mgmt. Studies, FMS	
42	Dr. K.M.Tripathi	HoD, Dept. of Psy, FBSS	
43.	Dr.Nimai Das	HoD, Dept. of Economics, FBSS	
44.	Dr. Anandjit Goswami	HoD, Dept. of Social & Political Studies,FBSS wef 25.04.20	
45.	Ms. Ritika Singh	HoD, Dept. of HM, FMS	

All Professors other than the Heads of the Departments:

46.	Dr. N. K. Chadha	Chairman, CDP
47.	Dr. Anupama Rajput	Dept. of Chem., FET upto 08.10.2019
48	Dr. Leena G.	Dept. of EEE, FET upto 08.10.2019
49.	Dr. Brijesh Kumar	Dept. of CSE, FET w.e.f 09.10.2019 to 07.01.2020
50.	Dr. Charu Virman	Dept. of CSE, FET upto 08.10.2019
51.	Dr. Debashis Pramanik	Dept. of ME, FET upto 12.08.2019
52.	Dr. Manoj Nayak	Dept. of ME, FET upto 08.10.2019
53	Dr. Geeta Nijhawan	Dept. of ECE, FET
54.	Dr. Dipali Bansal	Dept. of ECE, FET upto 14.01.2020
55	Dr. Supriya P Panda	Dept. of CSE, FET upto 07.01.2020
56	Dr. Joseph Alexanand Davis	Dept. of CSE, FET w.e.f 09.10.2019
57	Dr. Arunangshu Mukherjee	Dept. of Civil, FET upto 05.08.2019
58	Dr. Deepak Kumar	Dept. of Math, FET upto 08.01.2019
59.	Dr. Anil Sarin	Dept. of Management, FMS
60	Dr. Sarita Sachdeva	Dept. of BT, w.e.f 09.10.2019
61	Dr. Amit Seth	Dept. of Business Studies., FMS w.e.f 09.10.2019
62	Dr. Rakesh Kumar Arya	Dept. of Business Studies, FCBS upto 08.10.2019
63	Dr. Surbhi Kapoor	Dept. of Management Studies, FMS upto 08.10.2019
64	Dr. Nandni Srivastava	Dept. of Mgmt Studies, FMS upto 08.10.2019
65	Mr. Sushil Kumar.Saluja	Director of HM, FMS upto 08.10.2019
66	Dr. Rajat Gera	Dept. of Mgmt Studies, FMS upto 08.10.2019
67	Dr. Pratibha Singh	Dept. of N&D, FAHS upto 08.10.2019
68	Dr. Rashmi Agarwal	Dept. of CA, FCA upto 08.10.2019
69	Dr. Basant Kumar	Dept. of ME, FET upto 08.10.2019
70	Dr. Meenakshi Moza	Dept. of.CSE, FET upto 08.10.2019
71	Dr. Indu Kashyap	Dept. of CSE, FET upto 08.10.2019

Two Associate Professors from the Departments other than the Heads of the Departments (by rotation of Seniority):

72.	Ms. Sunita Virmani	Dept. of CSE, FET upto 28.07.2019
73	Dr. Sarvesh Kumar	Dept. of CSE, FET w.e.f 09.10.2019
74	Dr. Abhishek Kumar	Dept. of ME, FET upto 28.07.2019
75	Dr. Anupama Pankaj	Dept. of CA, FCA w.e.f 09.10.2019

Two Assistant Professors from the Departments (by rotation of Seniority):

76.	Ms. Anjali Singh	Dept. of Business Studies, FCBS upto 28.07.2019
77	Mr. Arun Vashista	Dept. of Business Studies, FCBS w.e.f 09.10.2019
78	Ms. Poonam Katyal	Dept. of CSE, FET upto 28.07.2019
79	Ms. Shweta Sharma	Dept. of CSE, FET w.e.f 09.10.2019

Three Persons from amongst Educationists of repute or Persons from any other field related to the activities of the Institution deemed to be University who are not in the service of the Institution deemed to be University:

80.	Dr. Anita Chaudhary, IAS (Retd.)	Member
81.	Sh. Vishal Lalani, Industrialist upto 11.10.2019	Member
82	Sh. Anil Chopra, CEO MRVPL w.e.f 08.01.2020	Member
83.	Sh. J. P. Malhotra, Industrialist upto 11.10.2019	Member
84	Sh. S. K. Goel, Director, Starwire w.e.f. 08.01.2020	Member

Three Persons who are not member of teaching Staff, co-opted by the Academic Council for their specialized knowledge:

85.	Dr. A. Murli. M. Rao, Head Computer Division, IGNOU, New Delhi	Member
86.	Prof. Harbhajan Bansal Dean Students Welfare Haryana School of Business GJU, Hissar	Member
87.	Dr. Nasib Singh Gill Head of Dept. of Computer Science & Application MDU, Rohtak	Member

Ex-Officio Secretary:

88	Sh.R. K. Arora	Registrar, MRIIRS

PLANNING AND MONITORING BOARD

Ex-Officio Chairman:

• Prof. (Dr.) Sanjay Srivastava	Vice Chancellor, MRIIRS

Internal Members:

• Dr. M.K.Soni	Pro Vice Chancellor
• Dr. Naresh Grover	Dean Academics
• Dr. Chavi Bharagava Sharma	Dean - FBSS
• Dr. Neemo Dhar	Dean - FMeH upto 30.09.2019
• Dr. H.C. Rai	Dean - FET w.e.f 22.10.2019
• Prof. Sunil Arora	Dean - FAD upto 21.10.2019
• Dr. Arundeep Singh	Dean - FDS w.e.f 22.10.2019
• Dr. S. S. Tyagi	Dean – FCA
• Dr. Aparna Prashant Goyal	Dean – FCBS upto 11.01.2020

Three External Members:

Prof. Sandeep Grover	Prof & HOD, Mech. Engg. (YMCA, University of Science & Technology, Faridabad
Prof. Naveen Kumar (upto 23.10.2019)	Prof. & HOD (Mech. Engg.), Delhi Technical University, Delhi
Prof. K. Subramanian (w.e.f 24.10.2019)	IEEE Delhi Section (Past Chair) & Chairman NC. National Execom (B-28 Tarang Appt, Plot No 19, IP Extn Patparganj, New Delhi

One nominee of the UGC:

Prof. Yogesh Singh (upto 23.10.2019)	Vice Chancellor, Delhi Technical University, Delhi
Mr. Vikram Mattoo (w.e.f 24.10.2019)	General Manager, Mitsubishi Electric India Pvt Ltd, Gurugram

Ex-Officio Secretary:

Sh.R.K.Arora	Registrar, MRIIRS

FINANCE COMMITTEE

Ex-Officio:

Prof. (Dr.) Sanjay Srivastava — Vice Chancellor, MRIIRS

Nominee(s) of the Society-Trust:

Dr. M.M. Kathuria

Two nominees of the Board of Management one of whom shall be a Member of Board:

Dr. Amit Bhalla — Vice President

Sh. Amit Kumar — Charted Accountant

A Representative of the Central Govt:

Vacant

Ex-Officio Secretary:

Sh. Rajeev Malhotra — Chief Finance Officer

CHAPTER – 3

FACULTIES OF THE UNIVERSITY

3.1 FACULTY OF ENGINEERING & TECHNOLOGY

Departments:

S. No.	Name of Department
1.	Department of Aeronautical Engineering
2.	Department of Automobile Engineering
3.	Department of Biotechnology
4.	Department of Civil Engineering
5.	Department of Computer Science Engineering
6.	Department of Electronics & Communications Engineering
7.	Department of Electrical & Electronics Engineering
8.	Department of Mechanical Engineering
9.	Department of Applied Science

Programmes					
Name of the Faculty	Programme	Student Intake		Total Admissions	
		UG	PG	UG	PG
Faculty of Engineering and Technology	B.Tech-Aeronautical Engineering	30		15	
	B.Tech-Automobile Engineering	30		08	
	B.Tech-Biotechnology	30		18	
	B.Tech-Civil Engineering	30		08	
	B.Tech-Computer Science Engineering	240		240	
	B.Tech-Electronics & Communication Engineering	60		27	
	B.Tech-Electrical & Electronics Engineering	30		11	
	B.Tech-Mechanical Engineering	90		35	
	M.Tech- Biotechnology		18		07-08
	M.Tech- Civil Engineering		18		11
	M.Tech-Computer Engineering and Networking		18		03
	M.Tech-Electronics and Communication Engineering		18		01
	M.Tech-Power Electronics and Electrical Drives		18		01
	M.Tech-Mechanical Engineering		18		03
	B.Sc - Data Science	10		04	
	B.Sc - Applied Geology	10		03	
	M.Sc - Applied Geology		10		01
	M.Sc – Biotechnology		20		17

Faculty of Engineering and Technology (FET) 2019-20

List of Faculty Members:

Sr. No.	Name of the Faculty Member	Designation	Department
1	Devender Sharma	Professor	Aeronautical Engineering
2	Sachin Marwah	Associate Professor	Aeronautical Engineering
3	Ravindra	Assistant Professor	Aeronautical Engineering
4	Sabiha Parveen	Assistant Professor	Aeronautical Engineering
5	Sonali Gupta	Assistant Professor	Aeronautical Engineering

Sr. No.	Name of the Faculty Member	Designation	Department
1	Devendra Vashist	Professor	Automobile Engineering
2	Ram Pravesh	Assistant Professor	Automobile Engineering
3	Sunny Bhatia	Assistant Professor	Automobile Engineering
4	Gurpreet Singh Matharou	Assistant Professor	Automobile Engineering
5	Nitin Kumar Waghmare	Assistant Professor	Automobile Engineering

Sr. No.	Name of the Faculty Member	Designation	Department
1	Sarita Sachdeva	Professor	Biotechnology
2	Abhilasha Shourie	Professor	Biotechnology
3	Joseph Alexanand Davis	Professor	Biotechnology
4	Krishnamoorthy Kannan	Professor	Biotechnology
5	Shobha Shrivastava	Associate Professor	Biotechnology
6	Manu Solanki	Associate Professor	Biotechnology
7	Shilpa S.Chapadgaonkar	Associate Professor	Biotechnology
8	Pushpa Tomar	Associate Professor	Biotechnology
9	Nidhi Didwania	Associate Professor	Biotechnology
10	Sabiha Imran	Associate Professor	Biotechnology
11	Kapila Kumar	Assistant Professor	Biotechnology
12	Rashmi Rameshwari	Assistant Professor	Biotechnology
13	Richa Yadav	Assistant Professor	Biotechnology
14	Prachie Sharma	Assistant Professor	Biotechnology
15	**Soma Patnaik**	Assistant Professor	Biotechnology
16	Adhikarla Syama	Assistant Professor	Biotechnology

Sr. No.	Name of the Faculty Member	Designation	Department
1	Sadiqa Abbas	Professor	Civil Engineering
2	Sunita Bansal	Professor	Civil Engineering
3	Arunangshu Mukherjee	Professor	Civil Engineering

4	Sanjay Gupta	Associate Professor	Civil Engineering
5	Anjali Gupta	Associate Professor	Civil Engineering
6	Sonal Bhugra	Assistant Professor	Civil Engineering
7	Shashi Tiwari	Assistant Professor	Civil Engineering
8	Gurvinder Singh	Assistant Professor	Civil Engineering
9	Rameezut Tauheed	Assistant Professor	Civil Engineering
10	Aftab Alam	Assistant Professor	Civil Engineering
11	Probir Mondal	Assistant Professor	Civil Engineering
12	Gift Pon Lazarus D	Assistant Professor	Civil Engineering
13	Pritam Paritosh Paul	Assistant Professor	Civil Engineering

Sr. No.	Name of the Faculty Member	Designation	Department
1	Charu Virmani	Professor	Computer Science & Engineering
2	Suresh Kumar	Professor	Computer Science & Engineering
3	Indu Kashyap	Professor	Computer Science & Engineering
4	Supriya P. Panda	Professor	Computer Science & Engineering
5	Brijesh Kumar	Professor	Computer Science & Engineering
6	Subhajit Ghosh	Professor	Computer Science & Engineering
7	Bindiya Ahuja	Associate Professor	Computer Science & Engineering
8	Urvashi Chugh	Associate Professor	Computer Science & Engineering
9	Sunita Virmani	Associate Professor	Computer Science & Engineering
10	Madhumita Panda / Kathuria	Associate Professor	Computer Science & Engineering
11	Poonam Chahal/Nandal	Associate Professor	Computer Science & Engineering
12	Rachna Behl	Associate Professor	Computer Science & Engineering
13	Deepa Bura	Associate Professor	Computer Science & Engineering
14	**Kamlesh Sharma**	Associate Professor	Computer Science & Engineering
15	**Poonam Tanwar**	Associate Professor	Computer Science & Engineering
16	**Rashima Mahajan**	Associate Professor	Computer Science & Engineering
17	**Rosy Madaan**	Associate Professor	Computer Science & Engineering
18	Seema Verma	Associate Professor	Computer Science & Engineering
19	Anupama Chadha/Pankaj	Associate Professor	Computer Science & Engineering
20	Meeta Singh	Associate Professor	Computer Science & Engineering
21	Simple Sharma	Associate Professor	Computer Science & Engineering
22	Krishan Kumar	Associate Professor	Computer Science & Engineering
23	Suman Bhatia	Associate Professor	Computer Science & Engineering
24	Deepika Khurana	Assistant Professor	Computer Science & Engineering
25	Karishma Gulati	Assistant Professor	Computer Science & Engineering
26	Smriti Gupta	Assistant Professor	Computer Science & Engineering
27	Shubhangi Srivastava	Assistant Professor	Computer Science & Engineering
28	Arun Kumar	Assistant Professor	Computer Science & Engineering
29	Tanvi Gupta	Assistant Professor	Computer Science & Engineering

30	Neha Jain	Assistant Professor	Computer Science & Engineering
31	Pradeep Sharma	Assistant Professor	Computer Science & Engineering
32	Amit Chugh	Assistant Professor	Computer Science & Engineering
33	Shobha Tyagi	Assistant Professor	Computer Science & Engineering
34	Neha Batra	Assistant Professor	Computer Science & Engineering
35	Nidhi Garg	Assistant Professor	Computer Science & Engineering
36	Ochin Sharma	Assistant Professor	Computer Science & Engineering
37	Pinki Sagar	Assistant Professor	Computer Science & Engineering
38	Shefali Singhal	Assistant Professor	Computer Science & Engineering
39	Veena Tayal	Assistant Professor	Computer Science & Engineering
40	Savita	Assistant Professor	Computer Science & Engineering
41	Shelja Sharma	Assistant Professor	Computer Science & Engineering
42	Ritika Bateja	Assistant Professor	Computer Science & Engineering
43	Vandana Batra	Assistant Professor	Computer Science & Engineering
44	Prashant dixit	Assistant Professor	Computer Science & Engineering
45	Nitasha Soni	Assistant Professor	Computer Science & Engineering
46	Manisha Vashisht	Assistant Professor	Computer Science & Engineering
47	Monika	Assistant Professor	Computer Science & Engineering
48	Romisha Arora	Assistant Professor	Computer Science & Engineering
49	Neerja Negi	Assistant Professor	Computer Science & Engineering
50	Kavita Arora	Assistant Professor	Computer Science & Engineering
51	Sunita Joshi	Assistant Professor	Computer Science & Engineering
52	Srishty Jindal	Assistant Professor	Computer Science & Engineering
53	Poonam Katyal	Assistant Professor	Computer Science & Engineering
54	Shweta Sharma (CSE)	Assistant Professor	Computer Science & Engineering
55	Pronika Chawla	Assistant Professor	Computer Science & Engineering
56	Priyanka Grover	Assistant Professor	Computer Science & Engineering
57	Kritika Soni	Assistant Professor	Computer Science & Engineering
58	Ranjeeta Mittal	Assistant Professor	Computer Science & Engineering
59	Mohit Chowdhary	Assistant Professor	Computer Science & Engineering
60	Monika Garg/Goyal	Assistant Professor	Computer Science & Engineering
61	Neha Garg	Assistant Professor	Computer Science & Engineering
62	Meenakshi Moza	Professor	Computer Science & Engineering

Sr. No.	Name of the Faculty Member	Designation	Department
1	Dipali Bansal	Professor	Electronics and Communication Engineering
2	M.K. Soni	Professor	Electronics and Communication Engineering
3	Naresh Grover	Professor	Electronics and Communication Engineering
4	Geeta Nijhawan	Professor	Electronics and Communication Engineering
5	Harish C Rai	Professor	Electronics and Communication Engineering
6	Vimlesh Singh	Associate Professor	Electronics and Communication Engineering

7	Abhiruchi Passi	Associate Professor	Electronics and Communication Engineering
8	Umesh Dutta	Associate Professor	Electronics and Communication Engineering
9	Shaveta Thakral	Associate Professor	Electronics and Communication Engineering
10	Pratima Manhas	Associate Professor	Electronics and Communication Engineering
11	Yogendra Kumar Awasthi	Associate Professor	Electronics and Communication Engineering
12	Jyoti Verma	Assistant Professor	Electronics and Communication Engineering
13	Ila Chaudhary	Assistant Professor	Electronics and Communication Engineering
14	Gagandeep	Assistant Professor	Electronics and Communication Engineering
15	Amana	Assistant Professor	Electronics and Communication Engineering
16	Romika	Assistant Professor	Electronics and Communication Engineering
17	Priyanka Bansal	Assistant Professor	Electronics and Communication Engineering
18	Prerna Kakkar	Assistant Professor	Electronics and Communication Engineering

Sr. No.	Name of the Faculty Member	Designation	Department
1	Leena G	Professor	Electrical and Electronics Engineering
2	Anita Khosla	Professor	Electrical and Electronics Engineering
3	Rajni Sharma	Assistant Professor	Electrical and Electronics Engineering
4	Amarinder Kaur	Assistant Professor	Electrical and Electronics Engineering
5	Richa Adlakha	Assistant Professor	Electrical and Electronics Engineering
6	Ashish Grover	Assistant Professor	Electrical and Electronics Engineering
7	Deepali Puri	Assistant Professor	Electrical and Electronics Engineering
8	Neha Midha	Assistant Professor	Electrical and Electronics Engineering
9	Amit Atri	Assistant Professor	Electrical and Electronics Engineering

Sr. No.	Name of the Faculty Member	Designation	Department
1	Virender Narula	Professor	Mechanical Engineering
2	Basanta Kumar Bhuyan	Professor	Mechanical Engineering
3	Manoj Nayak	Professor	Mechanical Engineering
4	Manu Srivastava	Professor	Mechanical Engineering
5	Abhishek Kumar	Associate Professor	Mechanical Engineering
6	Joydeep	Associate Professor	Mechanical Engineering
7	Ram Kishore Sharma	Associate Professor	Mechanical Engineering
8	Devdutt	Associate Professor	Mechanical Engineering
9	Vishal	Assistant Professor	Mechanical Engineering
10	Prateek Mittal	Assistant Professor	Mechanical Engineering
11	Rajnish Saxena	Assistant Professor	Mechanical Engineering
12	Rajender Kumar	Assistant Professor	Mechanical Engineering
13	Seema Mahto	Assistant Professor	Mechanical Engineering
14	Pankaj Shakkarwal	Assistant Professor	Mechanical Engineering
15	Bhupender Singh	Assistant Professor	Mechanical Engineering
16	Jimmy Mehta	Assistant Professor	Mechanical Engineering
17	Dinesh Chawla	Assistant Professor	Mechanical Engineering
18	Shashi Kant	Assistant Professor	Mechanical Engineering
19	Sunil Kumar	Assistant Professor	Mechanical Engineering
20	Shailesh Singh Sengar	Assistant Professor	Mechanical Engineering
21	Sorabh	Assistant Professor	Mechanical Engineering
22	Sushant	Assistant Professor	Mechanical Engineering
23	Vinay	Assistant Professor	Mechanical Engineering
24	Dain D. Thomas	Assistant Professor	Mechanical Engineering
25	Anubhav Khandelwal	Assistant Professor	Mechanical Engineering
26	Arun Gaur	Assistant Professor	Mechanical Engineering

Sr. No.	Name of the Faculty Member	Designation	Department
1	Devi Singh	Professor	First Year (ASH)- Physics
2	Sarvesh Kumar	Associate Professor	First Year (ASH)- Physics
3	Nisha Bansal	Associate Professor	First Year (ASH)- Physics
4	Kapil Gupta	Assistant Professor	First Year (ASH)- Physics
5	Sandeep Srivastava	Assistant Professor	First Year (ASH)- Physics
6	Vikram Singh	Assistant Professor	First Year (ASH)- Physics

Sr. No.	Name of the Faculty Member	Designation	Department
1	Anupama Rajput	Professor	First Year (ASH)- Chemistry
2	Jyoti Chawla	Professor	First Year (ASH)- Chemistry
3	Mukta Sharma	Associate Professor	First Year (ASH)- Chemistry
4	Shagufta Jabin	Associate Professor	First Year (ASH)- Chemistry
5	Kalpna varshney	Assistant Professor	First Year (ASH)- Chemistry
6	Rajeev kumar	Assistant Professor	First Year (ASH)- Chemistry

Sr. No.	Name of the Faculty Member	Designation	Department
1	Deepak Kumar	Professor	First Year (ASH)- Maths
2	Vijay Kumar	Professor	First Year (ASH)- Maths
3	Pooja Khurana/ Sachdeva	Associate Professor	First Year (ASH)- Maths
4	Bhawna Mehta	Assistant Professor	First Year (ASH)- Maths
5	Arti Saxena	Assistant Professor	First Year (ASH)- Maths

1	Neeraj Kumari	Associate Professor	First Year (ASH)- H&M
2	Mithun Khanduja	Assistant Professor	First Year (ASH)- H&M

Departments at a Glance

1. Department of Aeronautical Engineering

Thrust Areas of the Department:

- Computational Fluid Dynamics (CFD)
- Experimental Aerodynamics
- Structural dynamics, vibration and control
- Dynamics, control and guidance of atmospheric flights vehicles and spacecraft
- Flight Testing

Academic Achievements

- Student named Jitendra Singh was placed with Omnipresent Robot Tech.

S. No	Roll No	Student Name	Company Name
1	1-15-FET-BAE-1-007	JITENDER	Omnipresent Robo Tech

Students qualifying in State/ National / International Level examinations during the year: 2019-20

Name	Roll No	Exam Cleared	Registration No.
SHIV BABU YADAV	1-15-FET-BAE-1-001	IELETS	IN001-231958-0260

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Career Counselling session on Job responsibilities of an Aeronautical Engineering	22
GATE Classes	2
Career Counseling session on "How to join Indian Defense Services as an Aeronautical Engineering"	38

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20.

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Technological upgrades and career trends in the area of Aircraft Propulsion	14-10-2019	25	Department of Aeronautical Engineering

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP - Workshop - Conference Attended	Duration	
		Date from	Date to
Devender Sharma	FDP on Natural Language Processing	06-01-2020	10-01-2020
Devender Sharma	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Devender Sharma	FDP on Big Data Analytics	03-02-2020	07-02-2020
Sonali Gupta	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Sonali Gupta	FDP on Big Data Analytics	03-02-2020	07-02-2020
Vishal Antil	FDP on Big Data Analytics	03-02-2020	07-02-2020

2. Department of Automobile Engineering

Thrust Areas of the Department:

- **Biofuels** (Jatropha and Castor Biodiesel) & Alcohol based fuel (Methanol)
  - Performance and exhaust analysis of biofuel blends with diesel - gasoline.
  - Alternate energy sources for vehicles.
- **Automotive technologies**
  - DPF & SCR Technologies for implementing BS - VI norms.
  - Active and passive safety technologies.
  - Emission Measuring Techniques.
- **Automotive Materials**
  - Composites for Automobile parts.
- **Mobility Design**
  - Ergonomics in Automotive Design.
  - Computer Aided Design (for Auto parts).
- **Electric and Hybrid Vehicles**

Student's Publications:

Devendra Vashist & **Himanshu Sengar**, "Development of Vehicular Robots with Machine Learning Capability", 2nd International Conference on Future Learning Aspects of Mechanical Engineering (FLAME - 2020)

5th – 7th August 2020 organized by Amity University, published in Lecture Notes in Mechanical Engineering by SPRINGER. https:--www.amity.edu-flame2020-

Students benefited by career counseling and guidance for competitive Examinations: 2019-20.

Activity Description	No. of Participants
Career Prospectus in CDS Exams	48
GATE 2020	5

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Himanshu Upadhyay	B.Tech-Automobile Engineering	University of Wollongong, Australia	Master of Engineering

Students qualifying in State / National / International level examinations during the year: 2019-20

Name	Roll No	Exam Cleared	Registration No.
Himanshu Upadhyay	17-FET-AU(L)-006	PTE	379242297

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Online Yoga Challenge - Different Yoga Poses Competition	18-06-2020	8	Mr. Gurpreet Singh, Assistant Professor, Automobile Engineering
Webinar on New and Emerging Technologies in the Automotive Industry	04.06.2020	180	Mr. Gurpreet Singh, Assistant Professor, Automobile Engineering
Eletric Vehicle Technology by International Centre for Automotive Technology	13-02-2020	37	Mr U. D Bangale Sr. G.M, International Centre for Automotive Technology (ICAT)
Two- Wheeler Servicing Work shop	12-02-2020	15	Mr. Nitn Waghmare, Assistant Professor, Automobile Engineering
Awareness Program on Recent Trends & Technology on Autonomous Vehicle	08-01-2020	26	Dr. Devendra Vashist, Mr. Gurpreet Singh, Mr. Sunny Bhatia, Mr. Ram Pravesh & Mr Nitin Kumar Waghmare, HOD & Assistant Professor, Automobile Engineering Department, FET, MRIIRS

Faculty members: Awards & Recognitions: 2019-20

Name of Faculty Member	Awards-Recognition
Devendra Vashist	Invited Talk delivered on 'Design Analysis of a Retrofit System for an Electric Two Wheeler', at ICAT Manesar. (28-11- 2019)
Devendra Vashist	Patent Published: Spiral Duct Particulate Matter Separator For Internal Combustion Engines, 201711018914. (02-08-2019)
Sunny Bhatia	Invited Reviewer for Paper entitled "Filler concentration effect on Breakdown Strength and Trap Level of Epoxy Resin-Al2O3 Nano-composites" for Polymer and Polymer Composites Journal, SAGE Publications (24-04-2020)
Sunny Bhatia	Invited Reviewer for Paper entitled " Synergistic effect of Mineral-agro-waste filler on Mechanical and abrasive wear Performance of Glass Fiber reinforced epoxy Composites" for Polymer and Polymer Composites Journal, SAGE Publications (20-05-2020)

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference attended	Duration	
		Date from	Date to
Devendra Vashist	National FDP on Technological Evolution and Implementation of Modern Tools in Automotive Engineering	26-06-2020	30-06-2020
Sunny Bhatia	FDP on Advances in Thermo-Fluids & Turbomachines	06-06-2020	10-06-2020
Sunny Bhatia	FDP on Recent Advances in Material Characterization	23-05-2020	28-05-2020
Nitin Kumar Waghmare	FDP on Computer Integrated Manufacturing & CNC	25-05-2020	29-05-2020
Nitin Kumar Waghmare	FDP on Advances in Thermo-Fluids and Turbomachines	06-06-2020	10-06-2020
Nitin Kumar Waghmare	ATAL FDP on Artificial Intelligence	08-06-2020	12-06-2020

3. Department of Biotechnology

Thrust Areas of the Department:

- Drug Discovery
- Agricultural Biotechnology
- Industrial Biotechnology
- Bioinformatics
- Microbial technology
- Plant Biotechnology

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Mind Control: Making other people move with the power of your thoughts	37
Higher Education Prospects in Biotechnology	56
Career Trends in Biotechnology	65
Career Prospects in Biotechnology	36
Intellectual Property Rights	36
Bio-entrepreneurship : Challenges and Opportunities	36

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Komal Arora	B.Tech-BioTechnology	Gurugram University	Master of Science (Neuro-sciences)
Deepika Dhawan	B.Tech-BioTechnology	Macquarie University	Master of Biotech
Pratik Chawla	B.Tech-BioTechnology	JC Bose YMCA University of Science & Technology	Master of Business Administration
Arshdeep Singh	B.Tech-BioTechnology	University of South Australia	Master of Environmental Science
Natasha	B.Tech-BioTechnology	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Technology

Cultural Activities: 2019-20

Award- medal	National / International	Activities	Student Name
Third Position in Portrait Painting	National	Portrait Painting at B.R. Amedkar University	Sanyog
Best Exhibiters Award	National	Participation at Shri Ram College of Commerce	Meenal
Best Exhibiters Award	National	Participation at PGDAV	Meenal
Third Position in Art Exhibition	National	Abhivyakti'19 Art Exhibition DTU	Meenal

Students qualifying in State/ National / International Level examinations during the year: 2019-20

Name	Roll No	Exam Cleared	Registration No.
Riddhi	1-19-FET-MSB-009	NET	DL0116204753
Priyanka	1-15-FET-MSB-1-015	NET	326568
Hardik Grover	1-16-FET-BBT-1-029	GATE	BT20S33032475
Shagun Saxena	1-16-FET-BBT-1-001	GATE	BT20S33027714
Kajal Singla	1-15-FET-BBT-1-033	GATE	BT20S33004385
Himani	1-15-FET-BBT-1-009	MAT	904944
Harsh Thukral	1-15-FET-BBT-1-006	MAT	902079

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Webinar: Covid 19 - Treatment and Therapies	19-06-2020	64	Dr. Bhavana Muralidharan Assistant Investigator, DBT, Wellcome India Alliance Intermediate Fellow Institute for Stem Cell Science and Regenerative Medicine GKVK Campus, Bengaluru
Webinar - Insights from SARS-CoV-2 Genomes from India	12-06-2020	55	Vinod Scaria MBBS, Ph.D Senior Scientist CSIR Institute of Genomics and Integrative Biology (CSIR-IGIB); Adjunct Professor Indraprastha Institute of Information Technology Delhi

Webinar - Understanding the Biology of SARS-CoV2 and How it causes infection	04-06-2020	63	Dr. Mahak Sharma, Associate Professor, IISER, Mohali
Recent Development in Detection and Diagnosis of Bacterial Pathogens causing Crop Diseases	01-28-2020	29	Dr. Dinesh Singh Principal Scientist (Plant Pathology) Division of Plant Pathology, Indian Agricultural Research Institute New Delhi-110012

Faculty members: Awards & Recognitions: 2019-20

Name of Faculty Member	Awards-Recognition
Nidhi Didwania	Best Oral Presentation Award for "Plant Pathologists Entrepreneurship: From Idea to Business" in the 7th International Conference on Phytopathology in Achieving UN Sustainable Development Goals at ICAR-IARI, Pusa, New Delhi, India. (16th-20th Jan, 2020)
Nidhi Didwania	Invited Speaker to deliver a Lecture on "Plant Pathologists Entrepreneurship & Policy perspectives for Food Security "at 7th International Conference on Phytopathology in Achieving UN Sustainable Development Goals at ICAR-IARI, Pusa, New Delhi, India. (16th-20th Jan, 2020)
Nidhi Didwania	Patent Published: Bio-pesticide Oil Formulation. (07-05-2020)
Sarita Sachdeva	Patent Published: Bio-pesticide Oil Formulation. (07-05-2020)
Abhilasha Shourie	Silver + Elite Medal for NPTEL FDP Course on "Nanotechnology in Agriculture". (Aug. - Oct., 2019)
Shilpa S. Chapadgaonkar	Silver + Elite Medal NPTEL FDP Course on "Computer aided Drug Design" by IIT, Chennai. (July - Sep 2019)
Manu Solanki	Certificate of appreciation for being a member of Technical Programme Committee of 5th International Conference on Recent Development in Science, Engineering & Technology (REDSET Springer-2019) (15th-16th Nov, 2019)
Kapila Kumar	Invited Speaker to deliver a Lecture on the topic "Biotechnology and its Future Prospects" at Conference on Translational (Engineering) and Regenerative Medicine. (21st - 23rd Jan, 2020)
Sabiha Imran	Best Oral Presentation Award: 'An Eco-friendly approach to prevent Environmental Pollution caused by burning *Parali* in neighbourhood of NCR' in an International Conference on Recent Advances in Engineering and Sciences-2020. (11th -12th Jan, 2020)

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP/ Workshop / Conference Attended	Duration	
		Date from	Date to

Abhilasha Shourie	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Manu Solanki	Coursera course on Covid-19 contact tracing	10-06-2020	15-06-2020
Pushpa Tomar	FDP on ICT Tools for Teaching, Learning process & Institutes	13-01-2020	17-01-2020
Pushpa Tomar	STTP on Effective Teaching	15-07-2019	19-07-2019
Pushpa Tomar	Coursera course Introduction to Genetics & Evolution	14-06-2020	21-08-2020
Joseph Alexanand Davis	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Rashmi Rameshwari	NPTEL Course on Speaking Effectively	27-01-2020	22-03-2020
Rashmi Rameshwari	NPTEL Course on Bioinformatics: Algorithm and Applications	27-01-2020	20-04-2020
Rashmi Rameshwari	Coursera course on COVID-19: What you need to know (CME Eligible)	12-06-2020	22-06-2020
Rashmi Rameshwari	Coursera course on Covid-19 contact tracing	01-01-2020	01-07-2020
Syama Adhikarla	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Nidhi Didwania	Coursera course COVID-19: What you need to know (CME Eligible)	12-06-2020	22-06-2020
Nidhi Didwania	Coursera course on Discover Best Practice Farming for a Sustainable 2050	06-04-2020	20-06-2020
Nidhi Didwania	NPTEL course on Forest & their Management	01-01-2020	01-04-2020
Sabiha Imran	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Sabiha Imran	NPTEL Course on Academic writing	01-07-2019	01-10-2019
Shilpa S. Chapadgaonkar	Coursera course on Introduction to Genomic Technologies	15-12-2019	24-12-2019
Shilpa S. Chapadgaonkar	Coursera course on Genomic Data Science with Galaxy	25-12-2019	24-01-2020
Shilpa S. Chapadgaonkar	Coursera course on Python for Genomic Data Science	25-01-2020	08-03-2020
Shilpa S. Chapadgaonkar	NPTEL course on Computer Aided Drug Design	01-07-2019	01-09-2019
Shilpa S. Chapadgaonkar	Coursera course on Science of success: What researcher knows that you should know?	15-05-2020	15-06-2020

Shilpa S. Chapadgaonkar	NPTEL course on Biostatistics and Design of Experiments	22-01-2020	25-03-2020
Kapila Kumar	Coursera course on COVID-19: What you need to know (CME Eligible)	8-06-2020	18-06-2020
Soma Patnaik	NPTEL course on Biostatistics and Design of Experiments	22-01-2020	25-03-2020

EVENTS ORGANISED: 2019-20

Title	From	To
Workshop on "ECBC Awareness"	23-07-2019	24-07-2019
Workshop on Techniques in Animal Cell Culture	04-11-2019	08-11-2019
Conference on "Environmental Challenges and Solutions"	30-01-2020	30-01-2020

4. *Department of Civil Engineering*

Thrust Areas of the Department:

- Environmental Engineering
- Construction Management
- Structural Engineering
- Transportation Engineering
- Geotechnical Engineering
- Air Quality Monitoring

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Impact of COVID-19 on Infrastructure Development	8
Webinar on "Civil Engineering - The Way Forward"	27
A Roadmap to Summer Internship	50

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Vijay Kumar Yadav	B.Tech. – Civil Engineering	Cape Breton University	Post-Baccalaureate Diploma in Supply Chain Management
Mohammad Yusuf Ahsan	B.Tech. – Civil Engineering	Aligarh Muslim University	Master of Business Administration
Vikas Choudhary	B.Tech. – Civil Engineering	Manav Rachna International Institute of Research and Studies, Faridabad	M.Tech Civil Engineering

Students qualifying in State / National / International Level examinations during the year: 2019-20

Name	Roll No	Exam Cleared	Registration No.
Atul Vishwakarma	1-12-FET-BCI-2-090	IELETS	658
Tejender Sharma	1-13-FET-BCI-1-003	PTE	365162225
Shivam Sharma	1-15-FET-BCI-1-009	PTE	362976704

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Workshop on "Diet basis life after Covid-19"	02-06-2020	66	Dr. Ved Ayurvedic Medicine expert- Meerut
Awarness on Contemporary Trends in Infrastructure Development	03-03-2020	62	Mr. Nadeem Khan Structure Engineer- Canada
Workshop on Geospatial Technology for Civil Engineers	28-11-2019	49	Mr. Sunder Lal Meena, RITES, Structural Designer
Industrial Visit to RITES Gurgaon	30-09-2019	24	Ms. Anjali Gupta, Assistant Professor, Civil Engineerng
Application of Remote Sensing for efficient Infrastructure Planning	09-09-2019	33	Mr. Rameezut Tauheed, Assistant Professor, Civil Engineering
Sewage Treatment Plant at Badhshpur	29-08-2019	33	Ms. Anjali Gupta, Assistant Professor, Civil Engineerng

Faculty members: Awards & Recognitions: 2019-20

Name of Faculty Member	Awards-Recognition
Sadiqa Abbas	Certificate of Appreciation for Conducting a seminar on the topic "A Roadmap for Summer Internship". (19-03-2020)
Anjali Gupta	Scientific Committee Member: 3rd International Conference on Innovative Technologies for Clean and Sustainable Development held at NITTTR Chandigarh, India. (19th-21st Feb, 2020)
Sunita Bansal	Elite+ Silver certification for completing the course on Sustainable Materials and Green Building- NPTEL SWAYAM (July – Oct., 2019)
Sunita Bansal	Elite+ Silver certification for completing the course on Maintenance and Repair of concrete Structures NPTEL SWAYAM (Jan – April, 2020)
Sunita Bansal	Invited Reviewer: Journal of Cleaner Production, Elsevier, SCI Journal (11-11-2019, 21-02-2020, 23-04-2020)
Pritam Paritosh Paul	Selected as Dr. DS Kothari Post Doctoral Fellow (DSKPDF), University Grants Commission. (16-10-2019)
Arunangshu Mukherjee	Invited Co-Chair for Technical Session during National Conference on Groundwater Management in Mining & Social Sector, at Central Mine Planning & Design Institute Limited (CMPDI) Ranchi (21-09-2019)
Arunangshu Mukherjee	DST Nominated Member of Selection Committee in the Programme on Science Communication for Indian Science Congress Association (ISCA), Rohtak Chapter (08-08-2019)

Arunangshu Mukherjee	Invited Speaker for delivering special Lecture at Mohna, Faridabad (19-12-2019)
Arunangshu Mukherjee	Invited Speaker for delivering special lecture at People Participatory Programme of Central Ground Water Board at Kendriya Vidyalaya-3, Faridabad (20-12-2019)
Arunangshu Mukherjee	Invited speaker for delivering special lecture at People Participatory Programme of Central Ground Water Board at Khoh Manesar, Haryana (21-12-2019)
Arunangshu Mukherjee	Invited speaker to deliver a guest lecture on the topic "Supply Side Management of Groundwater through rainwater Harvesting and Artificial Recharge" during Tier -II Training on Aquifer Information System and Aquifer Management Plan organized by Central Ground Water Board, North-West Region, Chandigarh (03-01-2020)

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (from)	Date (to)
Sunita Bansal	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Sunita Bansal	FDP on Natural Language Processing	06-01-2020	10-01-2020
Sunita Bansal	Course on Sustainable materials and Green Buildings	01-07-2019	01-10-2019
Sunita Bansal	FDP on Advance Technologies in Civil Engineering	09-06-2020	13-06-2020
Anjali Gupta	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Anjali Gupta	FDP on Natural Language Processing	06-01-2020	10-01-2020
Anjali Gupta	FDP on Research Oriented Project Work	24-02-2020	28-02-2020
Anjali Gupta	FDP on Outcome Based Education	24-03-2020	14-04-2020
Anjali Gupta	FDP on Advance Technologies in Civil Engineering	09-06-2020	13-06-2020
Sonal Bhugra	FDP on Pavement Design, Construction and Rehabilitation	25-06-2020	27-06-2020
Sonal Bhugra	FDP on Technological Industrial Practices	01-06-2020	06-06-2020
Sonal Bhugra	Workshop on Applications of Remote Sensing & GIS in efficient Infrastructure Planning	09-09-2019	13-09-2019

Sonal Bhugra	FDP on Research Oriented Project Work	24-02-2020	28-02-2020
Sadiqa Abbas	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Sadiqa Abbas	Workshop on Applications of Remote Sensing & GIS in efficient Infrastructure Planning	09-09-2019	13-09-2019
Rameezut Tauheed	Workshop on Applications of Remote Sensing & GIS in efficient Infrastructure Planning	09-09-2019	13-09-2019
Arunangshu Mukherjee	National Conference on strategy for Water Sustainability for Human and Developmental needs	19-02-2020	19-02-2020
Arunangshu Mukherjee	FDP on Watershed Management and Organic Farming for Sustainable Development	22-06-2020	26-06-2020
Pritam Paritosh Paul	e-Training on "Art of Publication, effective Writing and Presentation Skills in Earth Sciences"	02-06-2020	04-06-2020
Pritam Paritosh Paul	FDP on e-Content Development in Teaching	04-06-2020	10-06-2020
Pritam Paritosh Paul	FDP on Geographic Information System	22-06-2020	26-06-2020
Gift Pon Lazarus D	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020

EVENTS ORGANISED: 2019-20

Title	From	To
FDP on Research Oriented Project Work	24-02-2020	28-02-2020
Rendezvous with Woman Civil Engineer celebrated on International Women Engineering Day	23-06-2020	23-06-2020

5. Department of Computer Science & Engineering

A. Thrust Areas of the Department:

- Cloud Computing
- Artificial Intelligence and Natural Language
- Embedded Systems
- Machine Learning and Pattern Recognition.
- Big Data Analytics (BDA)
- Graphics and Gaming: Augmented Reality
- Communication Networks. Virtualization and Autonomic Computing.
- Cyber Security and Forensics Sciences.

Students benefited by career counseling and guidance for competitive Examinations: 2019-20.

Activity Description	No. of Participants
Career and opportunities in Security domain	210
Career prospects Machine Learning and Brain-Computer Interface	65
Career scope in Networking field	55
Self-assessment Session on programming skills for Career prospects	65
Competitive Programming and Interview Preparation Session	78
Professional talk on industry expectation for fresh Engineers	60
Revolution in IT Data Securities	57
Gate Classes	58

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which programme	Name of Institution joined	Admitted to (Name of programme)
Harsh Patel	B.Tech – Computer Science & Engineering	Rutgers University	Master of Science-Data Science
Sonakshi Khosla	B.Tech – Computer Science & Engineering	Sheridan College International Services	PPRJM – Project Management
Nikunj Raghav	B.Tech – Computer Science & Engineering	University of Stirling	PG-Big Data
Vaibhav Jha	B.Tech – Computer Science & Engineering	Fanshawe London	ISM1- Information Security Management
Sukhdeep Sharma	B.Tech – Computer Science & Engineering	Georgian College	PG - Big Data Analytics (BDAT)

Aayushya	B.Tech – Computer Science & Engineering	Georgian College	PG-Big Data Analytics (BDAT)
Abhishek Vaid	B.Tech – Computer Science & Engineering	Jaypee Institute of Information Technology, Noida	Doctorate of Philosophy
Meetesh Kalpesh Mehta	B.Tech – Computer Science & Engineering	IIT Mandi	Master of Science
Ankita Verma	B.Tech – Computer Science & Engineering	Conestoga College Institute of Technology and Advanced Learning	Health & Life Sciences
Siddhartha Suman Rout	B.Tech – Computer Science & Engineering	Kalinga Institute of Industrial Technology	M. Tech (Information Security)
Mansi Lakahani	B.Tech – Computer Science & Engineering	Indra Gandhi Ntaional Open University	Master of Business Administration
Neelam Kumara	B.Tech – Computer Science & Engineering	J C Bose YMCA University of Science & Technology	Master of Technology
Amrit Kaur Choudhary	B.Tech – Computer Science & Engineering	Lake Head University, Canada	Master of Science-Computer Science Project
Rohit Machiwal	B.Tech – Computer Science & Engineering	Guru Gobind Singh I P University	M.Tech Computer Science & Engineering
Rishabh Bisht	B.Tech – Computer Science & Engineering	Great Lakes	Post Graduate Program in Data Science & Engineering
Karishma Garg	B.Tech – Computer Science & Engineering	Chandigarh University	Master of Business Administration
Amit Kumar Luhach	B.Tech – Computer Science & Engineering	Lambton College	Cyber Security & Computer Forensics
Kumar Rithvik	B.Tech – Computer Science & Engineering	Institute of Management Technology, Nagpur	Post Graduate Diploma in Management
Vishrant Khanna	B.Tech – Computer Science & Engineering	Gujrat Forensic Science University	MBA - Cyber Security Management
Mani Luthra	B.Tech – Computer Science & Engineering	Chandigarh University	Master of Business Administration
Mansi Vithal Das Gaonkar	B.Tech – Computer Science & Engineering	Jaypee Institute of Information Technology, Noida	Master of Technology
Harman Singh	B.Tech – Computer Science & Engineering	Loyola Univrsity, Chicago	Information Technology MS Program
Rahul Hans	B.Tech – Computer Science & Engineering	School of Engineering	M. Tech (HSE Spz Disaster Management)
Aditya Singh	B.Tech – Computer Science & Engineering	Manav Rachna International Institute of Research and Studies, Faridabad	M.Tech- Computer Engineering and Networking
Saksham Deswal	B.Tech – Computer Science & Engineering	Maharishi Dayanand University	LLB
Diksha Bajaj	B.Tech – Computer Science & Engineering	Centre for Development of Advanced Computing	Online Diploma
Mahima Tewatia	B.Tech – Computer Science & Engineering	JC Bose YMCA University of Science & Technology	Master of Technology
Priyanka	B.Tech – Computer Science & Engineering	Om Sterling Global University	Master of Technology
Mayank Gusain	B.Tech – Computer Science & Engineering	Narsee Monjee Institute of Management Studies	Master of Business Administration

Cultural Activities: 2019-20

Award/ Medal	National/ International	Activities	Student Name
Best Exhibiters Award	National	Participation at Shri Ram College of Commerce	Nishtha
Best Exhibiters Award	National	Participation at Shri Ram College of Commerce	Sakshi
Best Exhibiters Award	National	Participation at Shri Ram College of Commerce	Rahul Gupta
Best Exhibiters Award	National	Participation at Shri Ram College of Commerce	Anshuman Singh
Best Exhibiters Award	National	Participation at Shri Ram College of Commerce	Tanvi Sharma
Best Exhibiters Award	National	Participation at Shri Ram College of Commerce	Rajnika Debnath
Best Exhibiters Award	National	Participation at PGDAV	Rahul Gupta
Best Exhibiters Award	National	Participation at PGDAV	Anshuman Singh
Best Exhibiters Award	National	Participation at PGDAV	Tanvi Sharma
Best Exhibiters Award	National	Participation at PGDAV	Rajnika Debnath
Second Position at Theatrix- Stage Play by Paigam- Theater Society	National	Particiaption at Annual Cultural Fest (IIT-Guwahati)	Pushkar
Second Position at Theatrix- Stage Play by Paigam- Theater Society	National	Particiaption at Annual Cultural Fest (IIT-Guwahati)	Shivam Tanwar
Second Position at Theatrix- Stage Play by Paigam- Theater Society	National	Particiaption at Annual Cultural Fest (IIT-Guwahati)	Bhavesh Kumar
Second Position at Theatrix- Stage Play by Paigam- Theater Society	National	Particiaption at Annual Cultural Fest (IIT-Guwahati)	Chinmay Madan
Second Position at Theatrix- Stage Play by Paigam- Theater Society	National	Particiaption at Annual Cultural Fest (IIT-Guwahati)	Dharavi
First Position at Fashion Walk	National	Annual Cultural Fest- Oasis'19 (BITS Pilani)	Ritik
First Position at Fashion Walk	National	Annual Cultural Fest- Oasis'19 (BITS Pilani)	Taanvi
First Position at Fashion Walk	National	Annual Cultural Fest- Oasis'19 (BITS Pilani)	Mehul

First Position at Fashion Walk	National	Annual Cultural Fest- Oasis'19 (BITS Pilani)	Rachit
First Position at Fashion Walk	National	Annual Cultural Fest- Oasis'19 (BITS Pilani)	Abhyudaya
First Position at Street Dance	National	Annual Cultural Fest- Thomso'19 (IIT Roorkee)	Bharat Mago
First Position at Street Dance	National	Annual Cultural Fest- Thomso'19 (IIT Roorkee)	Rajnika Debrath
First Position at Street Dance	National	Annual Cultural Fest- Thomso'19 (IIT Roorkee)	Kanika Rajput
Second Position at BATTLE of BANDS	National	Annual Cultural Fest- VIPS 2019	Kartik
Second Position at BATTLE of BANDS	National	Annual Cultural Fest- VIPS 2019	Samar
Third Position in Art Exhibition	National	Abhivyakti'19 Art Exhibition DTU	Rahul Gupta
Third Position in Art Exhibition	National	Abhivyakti'19 Art Exhibition DTU	Anshuman Singh
Third Position in Art Exhibition	National	Abhivyakti'19 Art Exhibition DTU	Tanvi Sharma
Third Position in Art Exhibition	National	Abhivyakti'19 Art Exhibition DTU	Rajnika Debnath
Third Position in Art Exhibition	National	Abhivyakti'19 Art Exhibition DTU	Jagbeer
First Position in Fashion Show	National	Annual Cultural Fest Rawal Institutions Raw Fest 2K20	Mehul
First Position in Fashion Show	National	Annual Cultural Fest Rawal Institutions Raw Fest 2K20	Vanshika

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Webinar on Future of Cloud Computing and Artificial Intelligence in Global Context, by Microsoft India	13-06-2020	35	Mr. Devender Bansal, Head, Technical Sales Manager

Panel Discussion: Impact of COVID'19 on IT Sector	12-05-2020	90	Mr. Ravi Kant, Chief Information Officer (CIO) for Employer Direct Healthcare, Dallas, Mr. Anshul Sharma (Global head of Equity Derivatives Technology Operations and European head of Equities Tech operations, Citigroup, London), and Mr. Sourabh Gupta (Director of Engineering with McKinsey & Company, Gurgaon, India)
Online workshop - Mendeley: A Complete Solution to Organize Research	09-05-2020	180	Mr. Chaitanya Baweja, Research Associate, Imperial College, London
Online Expert Session on IT System Security	21-04-2020	53	Mr. Manmohan, IBM
Online Expert Session on IT Data Security	20-04-2020	58	Mr. Manmohan, IBM
Expert Talk on Blockchain Technology	13-03-2020	45	Ms. Riya Sapra, Assistant Professor, Manav Rcahna University
Session on Fuel Conservation	14-02-2020	58	Mr. Mohit Sachdeva, Senior Sales Officer, Indian Oil
Expert Lecture on Business Analytics - Intelligence	24-01-2020	50	Mr. Pritish and Mr. Nirav from Lagozon Technologies Pvt. Ltd.
Session on Data Analytics	15-11-2019	45	Mr. Anil Jadon AI Practice & Research, Gurgaon
Introductory Session on Python & Machine Learning	06-09-2019	20	Mr.Rahul, Computer Society of India, DUCAT
Awareness Programme on Google Cloud Career Readiness	08-08-2019	53	Dr. Charu Virmani, Professsor, Computer Science & Engineering
Orientation Programme	10-07-2019	210	Ms. Neha Batra, Assistant Professor, Department of Computer Science & Engineering

Students qualifying in State / National / International Level Examinations during the year: 2019-20

Name	Roll No	Exam Cleared	Registration No.
Meetesh Kalpesh Mehta	1-16-FET-BCS-1-077	GATE	CS20S63028468
Sumer Sharma	1-16-FET-BCC-1-116	GATE	CS20S63031377
Nidhi Soni	1-15-FET-BCC-1-024	IELETS	Z4962726
Ankita Shokeen	1-15-FET-BCC-1-052	IELETS	T5624195
Aayusha	1-16-FET-BCS-1-030	IELETS	R6396432
Sukhdeep	1-16-FET-BCS-1-042	IELETS	M2460435
Sonakshi Khosla	1-16-FET-BCS-1-005	IELETS	R5664269
Harman Singh	1-16-FET-BCB-1-003	IELETS	U5497789
Jatin Taneja		IELETS	T891550
Akshit Jain	1-17-FET-BCS-006	CAT	20087266
Aman Balhra	1-16-FET-BCB-1-023	CAT	20022422
Kumar Ritvik	1-15-FET-BCC-1-069	CAT	9016811
Anubhav Dagar	1-16-FET-BCS-1-099	CAT	20001429
Harsh Kalpesh Patel	1-16-FET-BCB-1-028	GRE	5834029
Mayank Gusain		NMAT	GD190003832

B. Academic Achievements of the Department

Faculty members: Awards & Recognitions: 2019-20

Name of Faculty Member	Awards-Recognition
Suresh Kumar	Invited Session Chair at 24th International conference of International Academy of Physical Sciences on Innovations in Physical Sciences, held at CCS Meerut (09th - 11th August, 2019)
Suresh Kumar	Invited Technical program committee member and reviewer at International Conference on Data Management Analytics and Innovation -2020. (17th - 19th January, 2020)
Indu Kashyap	NPTEL ELITE + Silver Certification Course on "Introduction to Machine Learning (IITKGP)" (July-September 2019)
Rashima Mahajan	Invited Reviewer for Scopus indexed Elsevier Journal - Computers in Biology and Medicine, Journal of Science and Technology, (16-01-2020)
Rashima Mahajan	NPTEL Elite + Silver Certification and course topper (All India) for 'Introduction to Internet of Things' Score: 88%, (July - Oct 2019)
Rashima Mahajan	Certificate of appreciation for being a member of Technical Programme committee of 5th International Conference on Recent Development in Science, Engineering & Technology (REDSET springer-2019) organized by GD Goenka University, Gurugram (15th-16th Nov, 2019)
Rashima Mahajan	Patent Published: Printing System that Reuses Printing Media in Vietnam. (25-06-2020)
Rashima Mahajan	Design Patent entitled Goggle with speed Indication, Application No. 326252-001. (21-01-2020)
Meeta Singh	Patent Published: Call Swapper In Mobiles. (26.07.2019)
Poonam Nandal	Patent Published: Call Swapper In Mobiles. (26.07.2019)
Deepa Bura	Patent Published: Call Swapper In Mobiles. (26.07.2019)
Nitasha Soni	Received "Young Scientist Award" at International Scientist Awards on Engineering, Science and Medicine, Visakhapatnam, India (18th-19th October, 2019)

Nitasha Soni	Received "Young Scientist Award" at 2nd International Scientist Awards on Engineering, Science and Medicine, Visakhapatnam, India (16^{th}-17^{th} November, 2019)
Rachna Behl	NPTEL ELITE Certification Course on Introduction to Machine Learning. (July - September 2019)
Veena Tayal	Online ELITE Certification "Accreditation and Outcome Based Learning" by NPTEL, with Silver medal, (August-October 2019)
Rosy Madaan	Received "Research in Education" award by Education Icon awards 2019. (24-8-2019)
Rosy Madaan	Certificate of Appreciation for Teacher Innovation Award by Sri Aurobindo Society. (30-09-2019)
Rosy Madaan	Patent Published: Electronic Vehicle Identification System. (19-06-2020)
Rosy Madaan	Design Patent entitled Goggle with speed Indication, Application No. 326252-001. (21-01-2020)
Rosy Madaan	Patent Published: The Remote Health Monitoring System With Wireless Sensors and IoT through Multivariate Medical Data. (22-11-2019)
Srishty Jindal	Patent Published: Call Swapper in Mobiles (26-07-2019)
Poonam Tanwar	Invited Session Chair for session on "Information Centric Networking" during 5^{th} International Conference of Cyber Security and Privacy in Communication Networks. (30-11-2019)
Poonam Tanwar	Editorial Board Member and Technical Committee Member for 2020 European Conference on Natural Language Processing and Information Retrieval (ECNLPIR 2020), Berlin, Germany on (20^{th}-22^{nd} April, 2020)
Poonam Tanwar	Received "Women Research Award" during International Scientist Awards on Engineering Science and Medicine by VDGOODS Academy, Chennai. (14^{th} -15^{th} September, 2019)
Anupama Chadha-Pankaj	Membership-Institution of Electronics and Telecommunication Engineers (IETE). (20-12-2019 to 21-12-2020)
Anupama Chadha-Pankaj	Associate Editor, International Journal on Business Strategy and Automation IGI Global (IJBSA). (2019-2020)

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Arun Kumar	FDP on Research Oriented Project Work	24-02-2020	28-02-2020
Madhumita Kathuria	FDP on Research Oriented Project Work	24-02-2020	28-02-2020
Madhumita Kathuria	FDP on Natural Language Processing	06-01-2020	10-01-2020
Madhumita Kathuria	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Madhumita Kathuria	FDP on Big Data Analytics	03-02-2020	07-02-2020
Nitasha Soni	FDP on Big data analytics	03-02-2020	07-02-2020

Nitasha Soni	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Brijesh Kumar	ATAL FDP on Cyber Security	14-05-2020	18-05-2020
Deepa Bura	FDP on Big Data Analytics	03-02-2020	07-02-2020
Deepa Bura	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Deepa Bura	FDP on Artificial Intelligence	15-06-2020	19-06-2020
Indu Kashyap	FDP on Big Data Analytics	03-02-2020	07-02-2020
Indu Kashyap	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Indu Kashyap	ATAL FDP on Data Sciences	11-05-2020	15-05-2020
Indu Kashyap	Workshop on "Patent Searching, Drafting and Filing" Online Mode	29-05-2020	02-06-2020
Indu Kashyap	ATAL FDP on Data Sciences	09-06-2020	13-06-2020
Kamlesh Sharma	FDP on VLSI Chip Design Hands on using Open-source EDA Tool	08-07-2019	12-07-2019
Kamlesh Sharma	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Kamlesh Sharma	FDP on 'R' Programming	27-04-2020	01-05-2020
Kritika Soni	FDP on Natural Language Processing	06-01-2020	10-01-2020
Kritika Soni	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Meeta Singh	FDP on Big Data Analytics	03-02-2020	07-02-2020
Meeta Singh	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Meeta Singh	FDP on Artificial Intelligence	15-06-2020	19-06-2020
Neha Batra	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Ochin sharma	FDP on Natural Language Processing	06-01-2020	10-01-2020
Ochin sharma	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020

Poonam Chahal / Nandal	FDP on Big Data Analytics	03-02-2020	07-02-2020
Poonam Chahal / Nandal	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Poonam Chahal / Nandal	FDP on Artificial Intelligence	15-06-2020	19-06-2020
Poonam Tanwar	FDP on Advance Computer Graphics	13-08-2019	16-08-2019
Poonam Tanwar	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Poonam Tanwar	FDP on Natural Language Processing	06-01-2020	10-01-2020
Poonam Tanwar	FDP on Data Science using Python	15-01-2020	18-01-2020
Poonam Tanwar	FDP on Gamming & Simulation	03-02-2020	05-02-2020
Poonam Tanwar	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Poonam Tanwar	FDP on Advance in Computational Intelligence & Machine Learning	04-05-2020	08-05-2020
Poonam Tanwar	Atal FDP on Data Sciences	11-05-2020	15-05-2020
Poonam Tanwar	FDP on Image Processing and Signal Processing using SCILAB	05-08-2019	09-08-2019
Rashima Mahajan	Atal FDP on Internet of Things	17-12-2019	21-12-2019
Rashima Mahajan	FDP on Image Processing and Signal Processing using SCILAB	05-08-2019	09-08-2019
Rashima Mahajan	FDP on Natural Language Processing	06-01-2020	10-01-2020
Rashima Mahajan	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Rashima Mahajan	FDP on VLSI Chip Design Hands on using Open-source EDA Tool	08-07-2019	12-07-2019
Rashima Mahajan	Atal workshop on Internet of Things	27-04-2020	01-05-2020
Rashima Mahajan	NPTEL Certification course on Introduction to Internet of Things	01-07-2019	01-10-2019
Rashima Mahajan	NPTEL Certification Course on Introduction to Industry 4.0 and Industrial Internet of Things	01-01-2020	26-04-2020
Rosy Madaan	FDP on Natural Language Processing	06-01-2020	10-01-2020

Rosy Madaan	FDP on Advance in Computational Intelligence & Machine Learning	04-05-2020	08-05-2020
Rosy Madaan	FDP on Artificial Intelligence	22-05-2020	26-05-2020
Savita	FDP on Antenna Trends	01-07-2019	05-07-2019
Savita	FDP on Natural Language Processing	06-01-2020	10-01-2020
Savita	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Shelja Sharma	FDP on Natural Language Processing	06-01-2020	10-01-2020
Shelja Sharma	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Shelja Sharma	FDP on Big Data Analytics	03-02-2020	07-02-2020
Shelja Sharma	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Shelja Sharma	NPTEL Online Certification for the Cloud Computing course	04-05-2020	08-05-2020
Shelja Sharma	FDP on 'R' Programming	27-04-2020	01-05-2020
Shelja Sharma	Workshop on Cloud Computing, Conducted by Leading India	01-02-2020	01-04-2020
Srishty Jindal	FDP on Big Data Analytics	03-02-2020	07-02-2020
Srishty Jindal	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Sunita Virmani	FDP on Natural Language Processing	06-01-2020	10-01-2020
Sunita Virmani	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Urvashi Chugh	FDP on Big Data Analytics	03-02-2020	07-02-2020
Urvashi Chugh	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Prashant Dixit	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Prashant Dixit	FDP on Big Data Analytics	03-02-2020	07-02-2020
Prashant Dixit	FDP on Research oriented Project Work	24-02-2020	28-02-2020

Monika Garg/Goyal	FDP on Big Data Analytics	03-02-2020	07-02-2020
Monika Garg/Goyal	FDP on Renewable and Sustainable Energy Conversion Resources	15-06-2020	20-06-2020
Monika Garg/Goyal	FDP on Applications of Machine Learning and Deep Learning	24-06-2020	28-06-2020
Monika	FDP on Natural Language Processing	06-01-2020	10-01-2020
Monika	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Romisha Arora	FDP on Natural Language Processing	06-01-2020	10-01-2020
Romisha Arora	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Shweta Sharma (CSE)	IBM trainging on 3D Complexity Techniques for Graphics Modeling & Animation	19-08-2019	22-08-2019
Shweta Sharma (CSE)	FDP on Advance Grame Programming	29-08-2019	31-08-2019
Shweta Sharma (CSE)	FDP on Natural Language Processing	06-01-2020	10-01-2020
Shweta Sharma (CSE)	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Tanvi Gupta	Online Course on Google Cloud Platform Fundamentals: Core Infrastructure	22-06-2020	29-06-2020
Tanvi Gupta	FDP on cloud application development	13-05-2020	14-05-2020
Neha Batra	FDP on ICT Tools for Teaching, Learning process & Institutes	13-01-2020	17-01-2020
Neha Batra	FDP on Research Oriented Project Work	24-02-2020	28-02-2020
Neha Batra	FDP on Recent Advances in Computer Science and Allied Domains	08-06-2020	12-06-2020
Neha Garg	STC on Big Data Analytics	03-02-2020	07-02-2020
Neha Garg	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Pinki Sagar	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Pinki Sagar	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Pinki Sagar	Atal FDP on Artificial Intelligence	15-06-2020	19-06-2020

Pinki Sagar	FDP on Recent Advances in Computer Science and Allied Domains	08-06-2020	12-06-2020
Pronika Chawla	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Pronika Chawla	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Rachna Behl	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Rachna Behl	Atal FDP on Data Science	09-06-2020	13-06-2020
Ranjeeta Mittal	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Ranjeeta Mittal	FDP on 'R' Programming	27-04-2020	01-05-2020
Ritika Bateja	FDP on ICT Tools for Teaching, Learning process & Institutes	13-01-2020	17-01-2020
Shobha Tyagi	FDP on Advance Computer Graphics	13-08-2019	16-08-2019
Shobha Tyagi	IBM training on 3D Complexity Techniques for Graphics Modelling & Animation	19-08-2019	22-08-2019
Shobha Tyagi	FDP on Advance Game Programming	29-08-2019	31-08-2019
Shobha Tyagi	FDP on Gaming & Simulation	03-02-2020	05-02-2020
Shobha Tyagi	FDP on Research Oriented Project Work	24-02-2020	28-02-2020
Vandana Batra	FDP on Big Data Analytics	03-02-2020	07-02-2020
Vandana Batra	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Vandana Batra	FDP on 'R' Programming	27-04-2020	01-05-2020
Suman Bhatia	FDP on Gaming & Simulation	03-02-2020	05-02-2020
Suman Bhatia	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Suresh Kumar	NPTEL Certificate Course on: Accreditation and Outcome Based Learning	01-08-2019	23-10-2019
Suresh Kumar	NPTEL Certificate Course on: Discrete Mathematics	01-01-2020	24-04-2020
Subhajit Ghosh	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020

Simple Sharma	FDP on Advance Computer Graphics	13-08-2019	16-08-2019
Simple Sharma	FDP on Advance Game Programming	29-08-2019	31-08-2019
Simple Sharma	FDP on Gamming & Simulation	03-02-2020	05-02-2020
Simple Sharma	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Neha Jain	FDP on Gamming & Simulation	03-02-2020	05-02-2020
Neha Jain	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Neha Jain	Teach the Trainer (T3) Workshop on 3D Complexity Techniques for Graphics Modelling & Animation	19-08-2019	22-08-2019
Shefali Singhal	FDP on Advance Computer Graphics	13-08-2019	16-08-2019
Shefali Singhal	IBM training on 3D Complexity Techniques for Graphics Modelling & Animation	19-08-2019	22-08-2019
Shefali Singhal	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Shefali Singhal	FDP on Big Data Analytics	03-02-2020	07-02-2020
Neha Garg	FDP on Big Data Analytics	03-02-2020	07-02-2020
Neha Garg	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Shubhangi Srivastava	FDP on 'R' Programming	27-04-2020	01-05-2020
Seema Verma	FDP on 'R' Programming	27-04-2020	01-05-2020
Seema Verma	NPTEL Certificate Course on Data Mining	24-02-2020	17-04-2020
Nidhi Garg	FDP on 'R' Programming	27-04-2020	01-05-2020
Nidhi Garg	FDP on Innovative trends in engineering and technology	25-05-2020	29-05-2020
Nidhi Garg	FDP on Applications of Machine Learning and Deep Learning	24-06-2020	28-06-2020
Priyanka Grover	FDP on Big Data Analytics	03-02-2020	07-02-2020
Priyanka Grover	FDP on Research Oriented Project Work	24-02-2020	28-02-2020

Poonam Katyal	FDP on Big Data Analytics	03-02-2020	07-02-2020
Poonam Katyal	FDP on Research Oriented Project Work	24-02-2020	28-02-2020
Priyanka Grover	Short Term Training Programme through ICT Mode on Effective Teaching	15-07-2019	19-07-2019
Amit Chugh	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Amit Chugh	FDP on Big Data Analytics	03-02-2020	07-02-2020
Mohit Chowdhary	FDP on Big Data Analytics	03-02-2020	07-02-2020
Mohit Chowdhary	FDP on Research oriented Project Work	24-02-2020	28-02-2020
Meenakshi Moza	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020

EVENTS ORGANISED: 2019-20

Title	From	To
FDP on Advance Computer Graphics	13-08-2019	16-08-2019
FDP on 3D Complexity Techniques for Graphics Modeling & Animation	19-08-2019	22-08-2019
FDP on Advance Game Programming	29-08-2019	31-08-2019
FDP on Gamming & Simulation	03-02-2020	05-02-2020
Online workshop: "Mendeley: A Complete Solution to Organize Research	09-05-2020	09-05-2020

6. Department of Electronics and Communication Engineering

A. Thrust Areas of the Department:

1. VLSI Design & Testing
2. Analog & Mixed Signal Design
3. Testing & Verification
4. RTOS
5. Wireless Communication
6. Antenna & RF Communication
7. Optical Communication & Networks
8. Machine Learning for Embedded Systems
9. Embedded Linux
10. Robotics
11. Internet of Things
12. Digital Signal Processing
13. Image Processing
14. Speech Signal Processing

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Technical Classes by ECE	27
GATE Classess	11
Services through Civil Examination by UPSC	42

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Ritvik Vaid	B.Tech. – Electronics and Communication Engineering	Guru Gobind Singh Indraprastha University	Master of Business Administration

Students qualifying in State/ National / International Level examinations during the year: 2019-20

Name	Roll No	Exam Cleared	Registration No.
Vaishali Mittal	1-15-FET-BEC-1-019	GATE	EC20S43004188

Bhavesh Sharma	11-FET-EC-1096	GMAT	365527017
Lekha	1-13-FET-BEC-1-048	OTHER	2011819919

Capacity development and skills enhancement initiatives/activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
International Yoga Day Celebration	21-06-2020	21	*Hastmudras* Wellness Yoga & Astro Educator
An Awareness program on Use and Applications of Flexible Display	22-04-2020	22	Electronic Sector Skill Council of India
An Awareness Program on Applications of Robotics	26-03-2020	28	Agnity Communications Pvt. Ltd.
An Awareness program on Future of Spintronics	09-10-2019	35	Director Applied Materials , 9910555970
An Awareness Program on Overview of Various Sensor Modules	22-08-2019	41	Mr. Pawan, Centre for Railway Information Systems (CRIS)

EVENTS ORGANISED: 2019-20

Title	From	To
Faculty Development Programme on 'Antenna Trends' in collaboration with MNIT Jaipur under Global National Knowlege Network, Department of Electronics & IT, Government of India	01-07-2019	05-07-2019
Faculty Development Programme on 'VLSI Chip Design Hands on using Open source EDA Tool' in collaboration with MNIT Jaipur under Global National Knowlege Network, Department of Electronics & IT, Government of India	08-07-2019	12-07-2019
Faculty Development Programme on 'Natural Language Processing' in collaboration with MNIT Jaipur under Global National Knowlege Network, Department of Electronics & IT, Government of India	06-01-2020	10-01-2020
Faculty Development Programme on 'ICT Tools for Teaching Learning Process & Institutes' in collaboration with MNIT Jaipur under Global National Knowlege Network, Department of Electronics & IT, Government of India	13-01-2020	17-01-2020

Faculty members: Awards & Recognitions: 2019-20

Name of Faculty Member	Awards-Recognition
Vimlesh Singh	Certificate of Appreciation for being Program Coordinator during One week Faculty Development Programme on "Antenna Trends" under the "Scheme of Financial Assistance for setting up of Electronics and ICT Academies organized by MNIT, Jaipur (1^{st} - 5^{th} July, 2019)
Priyanka Bansal	Certificate of Appreciation for being Program Coordinator during One week Faculty Development Programme on "VLSI Chip Design Hands-on using Open Source EDA" under the "Scheme of Financial Assistance for setting up of Electronics and ICT Academies organized by MNIT, Jaipur. (8^{th} -12^{th} July, 2019)
Shaveta Thakral	Invited Reviewer for ETRI Journal. (06-03-2020)
Shaveta Thakral	Invited Reviewer for paper entitled "Performance Benchmarking of Deep Learning Framework on Intel Xeon Phi" the Journal of Supercomputing, Springer Nature. (02-03-2020)
Ashish Grover	Invited Speaker for delivering lecture during 52^{nd} Engineers' day, organized by The Institution of Engineers, India. (15-09-2019)

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Geeta Nijhawan	FDP on Natural Language Processing	06-01-2020	10-01-2020
Geeta Nijhawan	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Geeta Nijhawan	FDP on Artificial Intelligence & Machine Learning using Paython	08-06-2020	12-06-2020
Vimlesh Singh	FDP on VLSI Chip Design Hands on using Open-source EDA Tool	08-07-2019	12-07-2019
Vimlesh Singh	FDP on Antenna Trends	01-07-2019	05-07-2019
Vimlesh Singh	STTP through ICT Mode on effective Teaching	15-07-2019	19-07-2019
Vimlesh Singh	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Vimlesh Singh	FDP on Natural Language Processing	06-01-2020	10-01-2020
Amana Yadav	FDP on VLSI Chip Design Hands on using Open-source EDA Tool	08-07-2019	12-07-2019
Amana Yadav	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020

Amana Yadav	FDP on Antenna Trends	01-07-2019	05-07-2019
Abhiruchi Passi	FDP on VLSI Chip Design Hands on using Open-source EDA Tool	08-07-2019	12-07-2019
Abhiruchi Passi	FDP on Antenna Trends	01-07-2019	05-07-2019
Abhiruchi Passi	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Abhiruchi Passi	FDP on Natural Language Processing	06-01-2020	10-01-2020
Jyoti Verma	FDP on VLSI Chip Design Hands on Using Open-source EDA Tool	08-07-2019	12-07-2019
Jyoti Verma	FDP on Antenna Trends	01-07-2019	05-07-2019
Jyoti Verma	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Jyoti Verma	FDP on Natural Language Processing	06-01-2020	10-01-2020
Priyanka Bansal	FDP on VLSI Chip Design Hands on Using Open-source EDA Tool	08-07-2019	12-07-2019
Priyanka Bansal	FDP on Antenna Trends	01-07-2019	05-07-2019
Pratima Manhas	FDP on VLSI Chip Design Hands on Using Open-source EDA Tool	08-07-2019	12-07-2019
Pratima Manhas	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Pratima Manhas	FDP on Natural Language Processing	06-01-2020	10-01-2020
Shaveta Thakral	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Shaveta Thakral	FDP on Natural Language Processing	06-01-2020	10-01-2020
Shaveta Thakral	STC on Image Processing and Signal Processing using Scilab	05-08-2019	09-08-2019
Prerna kakkar	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Prerna kakkar	FDP on Natural Language Processing	06-01-2020	10-01-2020
Ila Chaudhary	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Ila Chaudhary	FDP on Natural Language Processing	06-01-2020	10-01-2020

Romika	FDP on VLSI Chip Design Hands on Using Open-source EDA Tool	08-07-2019	12-07-2019
Romika	FDP on Antenna Trends	01-07-2019	05-07-2019
Romika	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Romika	FDP on Natural Language Processing	06-01-2020	10-01-2020
Yogendra Kumar Awasthi	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Yogendra Kumar Awasthi	FDP on Natural Language Processing	06-01-2020	10-01-2020
Gagandeep	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Umesh Dutta	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020

7. *Department of Electrical & Electronics Engineering*

Thrust Areas of the Department:

- Power System Engineering which includes:
  - Power Generation Technology
  - Power System Dynamic and Stability
  - Unit commitment and Pricing
  - Power System Restructuring and Deregulation
  - Wide Area Measurements and Applications
  - HVDC and FACTS
  - AI Techniques and Optimization in Power System
  - Electrical Machines and AC-DC Drives

- Electric Vehicles:
  - Electrical Vehicular Technologies
  - Battery Technology and Battery Management
  - Grid Interfacing Issues of Electrical Vehicle

- Smart Grid Technologies and Micro-grids
  - Real-time pricing and Demand Response in Smart Grid Environment
  - Smart Grid Communications
  - Micro – and Nano – Grids, Issues and solutions
  - Smart features in Electrical Grid

- Industrial Automation
  - Programmable logic Controllers
  - SCADA
  - Robotics
  - Servos
  - Variable Frequency Drives

- Renewable Energy Sources
  - Solar Energy
  - Wind Energy
  - Fuel Cell Technology

- Power Electronics & Drives
  - Converter Topologies
  - Power conditioning for Grid Interfacing

- Energy Audit

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Career Prospects through Competitive Exam Series:2K19	11
How to Grow in Industry under Present Scenario	29
Career Counseling for occupational guidance	27
Technical classes for PSU exam : 2K19	11
Skill Enhancement: How to write an effective resume	31

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Parshant Godara	B.Tech. – Electrical and Electronics Engineering	BBW Hochschule, Berlin Germany	Master of Science
Aditya Sharma	B.Tech. – Electrical and Electronics Engineering	Manav Rachna International Institute of Research and Studies, Faridabad	M.Tech Automation & Robotics

Cultural Activities: 2019-20

Award / medal	National / International	Activities	Student Name
Second Position at Theatrix- Stage Play by Paigam- Theater Society	National	Particiaption at Annual Cultural Fest (IIT-Guwahati)	Ajay Kumar

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Recent Trends in Factory Automation and PLC	16-05-2020	59	Mitsubishi Electric India (9717103194)
Advanced Techniques in Factory Automation	19-08-2019	32	Mitsubishi Electric India (9717103194)

Placement and Higher Studies

Roll No.	Student Name	Company
17-FET-BES(L)-005	Nishant Raghav	AIIMS, New Delhi
1-16-FET-BES-1-001	Mannak Mallah	Indigo
1-16-FET-BES-1-005	Rahul Soni	Canal Valley Public School
1-16-FET-BES-1-010	Iqbal Alam	SM Creative Electronics Limited
1-16-FET-BEE-1-003	Deepak	Shivalic Power Control Pvt. Ltd
17-FET-BES(L)-004	Amit Verma	Kumar & Co.
1-16-FET-BES-1-009	Rohit Jain	Jain Foam & Furnishing
1-16-FET-BES-1-004	Parshant Godara	Higher Studies
17-FET-BES(L)-001	Aditya Sharma	Higher Studies

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP/ Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Anita Khosla	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Anita Khosla	FDP on Natural Language Processing	06-01-2020	10-01-2020
Ashish Grover	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Ashish Grover	FDP on Natural Language Processing	06-01-2020	10-01-2020
Ashish Grover	FDP on Antenna Trends	01-07-2019	05-07-2019
Richa Adlakha	FDP on Natural Language Processing	06-01-2020	10-01-2020
Amrinder Kaur	FDP on Antenna Trends	01-07-2019	05-07-2019
Amrinder Kaur	FDP on VLSI Chip Design Hands on using Open-source EDA Tool	08-07-2019	12-07-2019
Amrinder Kaur	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Amrinder Kaur	FDP on Natural Language Processing	06-01-2020	10-01-2020
Deepali Puri	FDP on Natural Language Processing	06-01-2020	10-01-2020
Neha Chaudhary-Midha	FDP on VLSI Chip Design Hands on using Open-source EDA Tool	08-07-2019	12-07-2019
Neha Chaudhary-Midha	FDP on Natural Language Processing	06-01-2020	10-01-2020
Leena G.	FDP on Natural Language Processing	06-01-2020	10-01-2020

EVENTS ORGANISED: 2019-20

Title	From	To
Training on Advanced Techniques in Factory Automation in association with Mitsubishi Electric India	22-07-2019	24-07-2019
Workshop on Rotating Machine Design and Development	14-11-2019	14-11-2019

8. *Department of Mechanical Engineering*

Thrust Areas of the Department:

- Additive Manufacturing & Robotics
- Unconventional Machining
- Metal Cutting and Tool Wear
- Biomechanics
- Energy Management and Analysis
- Mechanical Design Analysis
- Quality Control and TQM

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
GATE Class	45

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Pratul Thapar	B.Tech. – Mechanical Engineering	University of Windsor	Master of Engineering-Automotive
Jeevesh Bhardwaj	B.Tech. – Mechanical Engineering	University of Windsor	Master of Engineering-Automotive
Ankit Parmar	B.Tech. – Mechanical Engineering	Kurukshetra University	Master of Business Administration
Lalit	B.Tech. – Mechanical Engineering	J C Bose YMCA University of Science & Technology	Master of Business Administration
Kuldeep Singh	B.Tech. – Mechanical Engineering	Teesside University	MSc Mechanical Engineering
Samrat Chaulagain	B.Tech. – Mechanical Engineering	University of Cincinnati	Doctorate of Philosophy

Cultural Activities: 2019-20

Award / Medal	National / International	Activities	Student Name
Second Position at Theatrix-Stage Play by Paigam - Theater Society	National	Particiaption at Annual Cultural Fest (IIT - Guwahati)	Akash Kumar

Students qualifying in State/ National / International Level examinations during the year: 2019-20

Name	Roll No	Exam Cleared	Registration No.
Prashant Dahiya	1-15-FET-BME-1-059	GATE	ME20S13004211
Nitin Kumar	16-FET-M(L)-1015	IELETS	T2312824
Denson Denny	1-15-FET-BME-1-074	IELETS	T5280944
Aashlesha Sharma	1-15-FET-BME-1-071	IELETS	S0975881
Anirudh Sharma	1-15-FET-BME-1-023	IELETS	R1787720
Pratul Thapar	1-16-FET-BME-1-050	IELETS	S3455944
Jeevesh Bhardwaj	1-16-FET-BME-1-016	IELETS	K8868666
Samrat Chaulagain	1-16-FET-BME-1-076	GRE	8638290

Students Publications:

Title of Paper	Name of all the Author/s	Student Authors	Name of Journal
A Comparative Review of Nh3-H2o and H2o-Libr based vapour absorption Refrigeration Systems	Pratul Thapar, Kapil Dalal, Harshit Nanda, Rahul Garjola, Dinesh Chawla	Pratul Thapar, Kapil Dalal, Harshit Nanda, Rahul Garjola	Engineering, IIOAB Journal, Volume 10, Issue 04, pp. 7-11
A Review on Wear Behavior of Cutting Tools during Machining of Inconel, Nimonic, and Hastelloy	Arun Bansal, Saransh Gupta and B. K. Bhuyan	Arun Bansal, Saransh Gupta	Indian Journal of Science and Technology, Volume: 12, Issue: 41, pp. 1-8
Design and Development of Tabletop Electrochemical Grinding Setup	Lakshay Gupta, Chirag Garg, B. K. Bhuyan,	Lakshay Gupta, Chirag Garg	Materials Today: Proceedings, Vol. 21, No. 3, pp. 1479-1482

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Strength Training for Endurance	20-08-2019	77	Dr. Manoranjan Nayak, Senior Consultant, Omega Hospital, Faridabad

National Symposium on Integration of Research, Academia and Industrial Practices towards Manufacturing Excellence	25-02-2020	192	Prof. (Dr.) Pulak Mohan Pandey, Professor, Department of Mechanical Engineering, IIT Delhi. Prof. (Dr.) Sachin Maheshwari, Professor, MPAE Division, NSUT, New Delhi.
Awareness Program on Green Supply Chain Management for Sustainable Future	25-11-2019	74	Mr. Neeraj Lamba, Managing Director, Rajtara Constructions, Faridabad
Awareness of Futuristic Technologies Program on Digital Manufacturing and the Role of 3D Printing	05-09-2019	34	Dr. Dinesh Rathod, Thapar University, Dr. Sujata Nayak, MRU, Dr. Mukund Dutt Sharma, NIT Hamirpur, Dr. Brijesh Kumar, MRIIRS, Mr. Subrat Patra, Product Manager, Vegazva Engineering Solutions, Mr. Sursh Pillai, CEO, Digital Solution

Faculty members: Awards & Recognitions: 2019-20

Name of Faculty Member	Awards-Recognition
Devdutt	Invited Reviewer for Paper entitled "Analysis of Bio-dynamic Model of seated Human Subject and Optimization of the Passenger Ride Comfort for the Three-wheel vehicle using Random Search Technique" for Part K: Journal of Multibody Dynamics. (01-06-2020)

FDPs attended by faculty members: 2019-20

Name of Faculty Member	Title of FDP / Workshop / Conference	Date (From)	Date (To)
Manoj Nayak	FDP on Robotics and Mechatronics	24-06-2019	05-07-2019
Manoj Nayak	Refresher course on Refrigeration & Air Conditioning	02-03-2020	03-06-2020
Manoj Nayak	Learn to Design your own Solar System	26-06-2020	02-07-2020
Manoj Nayak	Intelligent Machining	15-06-2020	06-07-2020
Basanta Kumar Bhuyan	FDP on Natural Language Processing	06-01-2020	10-01-2020

Basanta Kumar Bhuyan	FDP on Research Oriented Project work	24-02-2020	28-02-2020
Basanta Kumar Bhuyan	FDP on Mechanical Manufacturing and Process optimization	25-06-2020	29-06-2020
Abhishek Kumar	FDP on Natural Language Processing	06-01-2020	10-01-2020
Abhishek Kumar	Refresher course on Refrigeration & Air Conditioning	02-03-2020	06-03-2020
Virender Narula	Refresher course on Refrigeration & Air Conditioning	02-03-2020	06-03-2020
Virender Narula	FDP on Outcome Based Education and Accrediation	25-05-2020	29-05-2020
Virender Narula	FDP on Research in Modern Era	01-06-2020	05-06-2020
Virender Narula	FDP on Renewable and sustainable energy conversion system	15-06-2020	20-06-2020
Devdutt	Refresher course on Refrigeration & Air Conditioning	02-03-2020	06-03-2020
Dinesh Chawla	FDP on Recent Advancements in Material Characterisation	23-05-2020	28-05-2020
Dinesh Chawla	FDP on Renewable and sustainable Energy conversion System	15-06-2020	20-06-2020
Bhupender Singh	FDP on Materials Processing and Optimization	06-07-2020	10-07-2020
Bhupender Singh	STC on Multi scale Computational fluid Dynamics: Fundamentals & Applications	21-09-2020	25-09-2020
Dr. Rajender Kumar	Refresher course on Refrigeration & Air Conditioning	02-03-2020	06-03-2020
Dr. Rajender Kumar	FDP on NBA Accrediation on Engineering Programmes	11-05-2020	11-15-2020
Dr. Rajender Kumar	FDP on Learning Pedagogy and effective use of case methodology	17-05-2020	21-05-2020
Dr. Rajender Kumar	Webinar on Manufacturing 4.0 Opportunities and Challenges	01-06-2020	05-06-2020
Dr. Rajender Kumar	FDP on Waste Management	08-06-2020	12-06-2020
Dr. Rajender Kumar	FDP on Industry-Academia Convergence: Bridging the Skill Gap	22-06-2020	26-06-2020
Dr. Rajender Kumar	Course Certification on Excel Skills for Business Essentials	21-06-2020	15-07-2020
Pankaj Sakkarwal	Refresher course on Refrigeration & Air Conditioning	02-03-2020	06-03-2020
Pankaj Sakkarwal	FDP on Computer Integrated Manufacturing & CNC	25-05-2020	29-05-2020
Pankaj Sakkarwal	FDP on Renewable and sustainable energy conversion system	15-06-2020	20-06-2020

Jimmy Mehta	Refresher course on Refrigeration & Air Conditioning	02-03-2020	06-03-2020
Jimmy Mehta	FDP on Waste Management	08-06-2020	12-06-2020
Jimmy Mehta	FDP on Mechanical Manufacturing and Process optimization	25-06-2020	29-06-2020
Anubhav Khandelwal	FDP on Renewable and sustainable energy conversion system	15-06-2020	20-06-2020
Anubhav Khandelwal	Workshop on Recent Advances in Thermal Engineering (IWRATE 2020)	29-06-2020	07-03-2020
Prateek Mittal	Refresher course on Refrigeration & Air Conditioning	02-03-2020	06-03-2020
Prateek Mittal	International FDP on Research and Development in Materials Behaviour, Processing and Characterization	09-06-2020	14-06-2020
Rajnish Saxena	FDP on Natural Language Processing	06-01-2020	10-01-2020
Rajnish Saxena	FDP on ICT Tools for Teaching, Learning Pocess & Institutes	13-01-2020	17-01-2020
Rajnish Saxena	Refresher course on Refrigeration & Air Conditioning	02-03-2020	06-03-2020
Sushant	Refresher course on Refrigeration & Air Conditioning	02-03-2020	06-03-2020
Sushant	Coursera certificate on Managing Project Risks and Changes	28-05-2020	23-06-2020
Sushant	Course Certification on Initiating and Planning Projects	28-05-2020	23-06-2020
Sushant	Course Certifacte on High Impact Business Writing	04-06-2020	28-06-2020
Arun Gaur	Refresher course on Refrigeration & Air Conditioning	02-03-2020	06-03-2020
Dain D Thomas	Refresher course on Refrigeration & Air Conditioning	02-03-2020	06-03-2020
Dain D Thomas	FDP on Green Manufacturing: The Present and Future	15-05-2020	20-05-2020
Dain D Thomas	Course Certification on Six Sigma Principles	25-06-2020	25-07-2020
Sorabh	Short Course on Learn to Design your own Solar System	23-06-2020	05-07-2020

EVENTS ORGANISED: 2019-20

Title	From	To
2nd Kaizen Quality Conclave	27-07-2019	27-07-2019
Workshop on Industrial Safety: Accident Prevention	10-08-2019	10-08-2019
National Symposium on Integration of Research Academia and Industrial practices towards manufacturing excellence	25-02-2020	25-02-2020
Refresher course - FDP on "Refrigeration (Heating, Ventilation) & Air conditioning "	02-03-2020	06-03-2020
Webinar on HVAC and its relevance in Indian Scenario	13-06-2020	13-06-2020

9. Department of Applied Science

Thrust Areas of the Department:

- Material Science
- Plasma Physics
- Nanotechnology
- Polymer Fibers
- Noise Pollution
- Synthetic organic chemistry
- Colloidal chemistry
- Corrosion studies and Water purification.
- Bio-mathematics
- Fluid dynamics
- Fuzzy Theory
- Decision Sciences
- Fixed Point Theory
- Numerical Analysis

Academic Achievements:

Name of the Faculty member	Details of Awards
Dr. Deepak Kumar	Invited Talk on "Genetic Algorithm - Nature Inspired Algorithm", Dept. of Mathematics at Dr. B R Ambedkar University, Agra. (7^{th} and 8^{th} Nov., 2019)
	Invited as Member Expert in the Ph.D. Final Viva voce Examination, IFTM University, Lodhipur Rajput (Delhi Road), Moradabad 14-03-2020
	Invited as Member Expert in the Ph.D. Final Viva Voce Examination, K.R. Mangalam University, Gurugram (22^{nd} Jan., 2020)
Dr. Anupama Rajput	Invited talk delivered on 'Science & Technology', Govt. Senior Secondary School, Palwal, Haryana (11^{th} Oct., 2019)

Students Publications:

Paper Title	Authors	Title of Journal / Conference / Book Chapter
Convergence analysis of Abbas and	Nisha Sharma, Arti Saxena	International Journal of

Nazir Iterates for a Multi-valued map with a Fixed Point		Emerging Technologies, 11(1), 387-391
Convergence analysis of M-iteration Process having Fixed Point for Multi-valued mappings	Nisha Sharma, Arti Saxena	Parishodh Journal, 9(3), 3093-3100
Analysis of M-iteration Scheme for multi-valued maps in Banach space	Nisha Sharma, Arti Saxena	Parishodh Journal, 9(3), 3101-3110
Adsorption of Bivalent lead ions from an Aqueous Phase System: Equilibrium, Thermodynamic, Kinetics and Optimization Studies.	Suman Saini, Rajeev Kumar, Jyoti Chawla, and Inderpreet Kaur	Water Environment Research, 91(12), 2019, 1692-1704
Current Trends and Future perspectives in the Recycling of Spent Lead Acid Batteries in India.	Kalpna Varshney, Pradeep K. Varshney, Kajal Gautam, Meghna Chaudhury, Monika Tanwar.	Materials Today Proceedings, Volume 26, Part 2, 2020, Pages 592-602
Use of Pavo Cristatus (Peacock) Feather Powder as adsorbent for removal of Cadmium ions from Aqueous Solution,	Suman Saini, Rajeev Kumar, Jyoti Chawla, and Inderpreet Kaur	Journal of Water Chemistry and Technology
Pavo Cristatus Feather Powder as an Eco-friendly and Low cost material for mitigation of Pb (II) ions from Water	Suman Saini, Jyoti Chawla, Rajeev Kumar, Inderpreet Kaur,	International Journal of Science, Technology & Management
Sunder Nursery, Delhi: Interfacing conservation of Biodiversity and Urban Restoration.	Drishya Handa, Gitish Kumar, Kalpna Varshney	International Conference on Environmental Challenges & Solutions, 37
Ex-Situ Conservation of Biodiversity: A Case study of Yamuna Biodiversity Park	Sakshi Pathak, Kalpna Varshney	International Conference on Environmental Challenges & Solutions, 52
Bioremediation Stretegies for Textile Dyes in Waste water - 2020.	Shilpa S.Chapadhgaonkar, Yashwani, Kalpna Varshney	International Conference on Environmental Challenges & Solutions, 87

Faculty members: Awards & Recognitions: 2019-20

Name of Faculty Member	Awards-Recognition
Deepak Kumar	Invited Speaker to deliver a Lecture on "Genetic Algorithm-Nature Inspired Algorithm" during the workshop on Recent Trends in Physical Sciences and its Applications held at Dept. of Mathematics, Dr. B R Ambedkar University, Agra. (7th-8th Nov, 2019)
Anupama Rajput	Invited speaker for delivering a lecture on 'Science & Technology' at Govt. Senior Secondary School, Palwal, Haryana. (10.10.2019)

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Devi Singh	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Devi Singh	International Conference on Environmental Challenges and Solutions	31-01-2020	02-02-2020
Devi Singh	Workshop on Application of Remote Sensing for efficient Infrastructure Planning	09-09-2019	13-09-2019
Sarvesh Kumar	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Nisha Bansal	STTP on effective Teaching through ICT	15-07-2019	19-07-2019
Nisha Bansal	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Kapil Gupta	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Kapil Gupta	ATAL FDP on Artificial Intelligence	15-06-2020	19-06-2020
Vikram Singh	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Sandeep Srivastava	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Neeraj Kumari	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Neeraj Kumari	FDP on Research Oriented Project Work	24-02-2020	28-02-2020
Neeraj Kumari	International Conference on Environmental Challenges and Solutions	31-01-2020	02-02-2020
Neeraj Kumari	FDP on Blended Learning	22-06-2020	28-06-2020
Deepak Kumar	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Deepak Kumar	International Workshop on Numerical Methods in Scientific Computing (IWNMSC-2020)	21-02-2020	22-02-2020
Vijay Kumar	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Arti Saxena	Courseware creation using Moodle for Outcome Based Education	08-07-2019	05-09-2019

Arti Saxena	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Pooja Khurana / Sachdeva	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Bhawna Mehta	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Rajeev Kumar	FDP on 'R' programming	27-04-2020	01-05-2020
Jyoti Chawla	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Jyoti Chawla	FDP on 'R' programming	27-04-2020	01-05-2020
Jyoti Chawla	FDP on Machine Learning and Research Opportunities	15-06-2020	19-06-2020
Mukta Sharma	FDP on ICT Tools for Teaching, Learning Process & Institutes	13-01-2020	17-01-2020
Mukta Sharma	FDP on 'R' programming	27-04-2020	01-05-2020
Kalpna Varshney	FDP on ICT Tools for Teaching, Learning Process & Institutes	10-08-2020	21-08-2020
Shagufta Jabin	FDP on 'R' programming	27-04-2020	01-05-2020
Anupama Rajput	FDP on 'R' programming	27-04-2020	01-05-2020
Anupama Rajput	FDP on Spectroscopy & their Analytical Application	25-05-2020	29-05-2020

Details of Board of Faculty and Board of Studies, tabulated below:

Board of Faculty			
1	Dr. Harish C Rai	Professor & Dean, FET	Chairman
2	Air Cmdre Devender Sharma	Professor & Head Dept. of Aeronautical Engg.	Member
3	Dr. Anita Khosla	Professor & Head, Dept. of Electrical & Electronics Engg.	Member
4	Dr. Suresh Kumar	Professor & Head, Dept. of Computer Science and Engg.	Member
5	Dr. Manu Srivastava	Professor & Head, Dept. of Mechanical Engg.	Member
6	Dr. Abhiruchi Passi	Associate Professor & Head Dept. of Electronics and Comn. Engg.	Member
7	Dr. Devender Vashist	Professor & Head, Dept. of Automobile Engg.	Member
8	Dr. Sadiqa Abbas	Professor & Head, Dept. of Civil Engg.	Member
9	Dr. Devi Singh	Professor & Head, Dept. of Physics	Member
10	Dr. Abhilasha Shourie	Professor & Head, Dept. of Biotechonology	Member
11	Dr. Vijay Kumar	Professor & Head, Dept. of Maths	Member
12	Dr. Jyoti Chawla	Professor & Head, Dept. of Chemistry	Member
13	Dr. Sarita Sachdeva	Professor Dept. of Biotechonology (Dean Research)	Member
14	Dr. Dipali Bansal	Professor, Dept. of Electronics and Communication Engg. (Associate Dean Academics)	Member
15	Dr. Manoj Nayak	Professor, Dept. of Mechanical Engg.	Member
16	Dr. Leena G	Professor, Dept. of Electrical & Electronics Engg	Member
17	Dr. Supriya Panda	Professor, Dept. of Computer Science and Engg.	Member
18	Dr. Arunangshu Mukherjee	Professor, Dept. of Civil Engg	Member
19	Dr. Anupma Rajput	Professor, Dept. of Chemistry	Member
20	Dr. Deepak Kumar	Professor, Dept. of Mathematics	Member
21	Dr. Sunita Virmani	Associate Professor, Dept. of Computer Science and Engg.	Member
22	Dr. Sunita Bansal	Associate Professor, Dept of Civil Engg	Member
23	Ms. Rashmi Rameshwari	Assistant Professor, Dept. of Biotechnology	Member
24	Mr. Anubhav Khandelwal	Assistant Professor, Dept. of Mechanical Engg.	Member
25	Prof. Arif Ali	Professor, Dept of Biosciences, Jamia Millia Islamia, New Delhi	Member
26	Dr. T N Vijay Kumar	Prof, Dept of Computer Science, Jawahar Lal Nehru University, New Delhi	Member
27	Dr. Naresh Grover	Professor, Dept. of Electronics and Comm Engineering, Dean Academics	Spl Invitee

28	Dr. Geeta Nijhawan	Professor, Dept. of Electronics and Comm Engineering, Associate Dean-FET	Spl Invitee
29	Dr. Brijesh Kumar	Professor and Head IBM, Dept. of Computer Science and Engg.	Spl Invitee

Board of Studies

Department of Applied Sciences			
1	Dr. Jyoti Chawla	Professor & Head,- Dept of Applied Sciences	Chairman
2	Dr. Devi Singh	Professor (Physics), FET	Member
3	Dr. Vijay Kumar	Professor, Dept. of Applied Sciences, FET	Member
4	Dr. Anupama Rajput	Professor, Dept. of Applied Sciences, FET	Member
5	Dr. Deepak Kumar	Professor, Dept. of Applied Sciences, FET	Member
6	Dr. Shagufta Jabin	Associate Professor, Dept. of Applied Sciences, FET	Member
6	Dr. Nisha Bansal	Associate Professor, Dept. of Applied Sciences, FET	Member
7	Mr. Kapil Gupta	Assistant Professor, Dept. of Applied Sciences, FET	Member
8	Dr. Kalpna Varshney	Assistant Professor, Dept. of Applied Sciences, FET	Member
9	Dr. P K Bhatnagar	Professor, Emeritus, Dept. of Electronic Science, Delhi University, Delhi	External Member
10	Dr. Vikas Bhardwaj	Sr. Scientist, NCEGR, Geological Survey of India, Faridabad	External Member
11	Dr. Y K Sharma	Associate Professor (Maths), Manav Rachna University, Faridabad	External Member

Department of Aeronautical Engineering			
1	Air Cmdre Devender Sharma	Professor & Head Dept. of Aeronautical Engg.	Chairman
2	Dr. Virender Narula	Professor, Dept. of Mechanical Engg.	Member
3	Col (R) Sachin Marwah	Associate Professor, Dept. of Aeronautical Engg.	Member
4	Ms. Sonal Gupta	Assistant Professor, Dept. of Aeronautical Engg.	Member
5	Mr. Vishal Antil	Assistant Professor, Dept. of Aeronautical Engg.	Member
6	Dr. R S Tarnacha	Professor, Dept. of Aeronautical Engg., Amity University, Noida	External Member
7	Dr. Balraj Gupta	Former Director (Scientist G) Aerial Delivery Research and Development Establishment	External Member

Department of Biotechnology			
1	Dr. Manu Solanki	Associate Professor & Head Dept. of Biotechonology	Chairman
2	Dr. Krishnamoorthy Kannan	Chair Professor, Dept. of Biotechnology	Member
3	Dr. Sarita Sachdeva	Professor, Dept. of Biotechonology, Dean Research	Member

4	Dr. Joseph Alex A. Davis	Professor, Dept. of Biotechonology	Member
5	Dr. Abhilasha Shourie	Professor, Dept. of Biotechonology	Member
6	Dr. Sabiha Imran	Associate Professor, Dept. of Biotechonology	Member
7	Dr. Shilpa S Chapadgaonkar	Associate Professor, Dept. of Biotechonology	Member
8	Ms. Rashmi Rameshwari	Assistant Professor, Dept. of Biotechonology	Member
9	Dr. Adhirkarla Syama	Assistant Professor, Dept. of Biotechonology	Member
10	Dr. Neera Kapoor	Professor & Head, School of Life Science, IGNOU, New Delhi	External Member
11	Dr. Arif Ai	UGC - BSR Fellow, Jamia Milia Islamia, New Delhi	External Member

Department of Civil Engineering			
1	Dr. Sadiqa Abbas	Professor & Head, Dept. of Civil Engg.	Chairman
2	Ms. Sunita Bansal	Associate Professor, Dept. of Civil Engg.	Member
3	Ms. Anjali Gupta	Associate Professor, Dept. of Civil Engg.	Member
4	Mr. Rameezut Tauheed	Assistant Professor, Dept. of Civil Engg.	Member
5	Ms. Sonal Bhugra	Assistant Professor Dept. of Civil Engg.	Member
6	Dr. A. K. Goel	Professor & Former Head, B. S. Anangpuriya, ITM, Faridabad	External Member
7	Sh. R. N. Malik	Retd. EC, PHED, Haryana	External Member

Department of Computer Science and Engineering			
1	Dr. Supriya Panda	Professor & Head, Dept. of Computer Science and Engg.	Chairman
2	Dr. Suresh Kumar	Professor, Dept. of Computer Science and Engg	Member
3	Dr. Brijesh Kumar	Professor and Head CSE-IBM Dept. of Computer Science and Engg.	Member
4	Dr. Indu Kashyap	Professor, Dept. of Computer Science and Engg	Member
5	Dr. Meenakshi Moza	Professor, Dept. of Computer Science and Engg.	Member
6	Dr. Charu Virmani	Professor, Dept. of Computer Science and Engg.	Member
7	Dr. Subhajit Ghosh	Professor, Dept. of Computer Science and Engg.	Member
8	Ms. Simple Sharma	Associate Professor, CSE, FET, MRIIRS	Member
9	Dr. Seema Verma	Associate Professor, Dept. of Computer Science and Engg.	Member
10	Dr. Deepa Bura	Assistant Professor, Dept. of Computer Science and Engg.	Member
11	Ms. Manisha Vashist	Assistant Professor, Dept. of Computer Science and Engg.	Member
12	Dr.Komal Kumar Bhatia	Professor, YMCAUST, Faridabad	External Member
13	Er. N. K. Garg	Vice President, R Systems, Noida	External Member

Department of Mechanical Engineering			
1	Dr. Manu Srivastava	Professor & Head, Dept. of Mech Engg.	Chairman
2	Dr. Manoj Nayak	Professor, Dept. of Mech Engg.	Member
3	Dr. Debashish Pramanik	Professor, Dept. of Mech Engg.	Member
4	Dr. Basanta Kumar Bhuyan	Professor, Dept. of Mech Engg.	Member
5	Dr. Virender Narula	Associate Professor, Dept. of Mech Engg.	Member
6	Dr. Devdutt	Associate Professor, Dept. of Mech Engg.	Member
7	Mr. Vinay	Assistant Professor, Dept. of Mech Engg.	Member
8	Mr. Dinesh Chawla	Assistant Professor, Dept. of Mech Engg.	Member
9	Dr. Sandeep Grover	Professor, YMCAUST, Faridabad	External Member
10	Mr. Vinit Aggarwal	COO JBM, Nehru Place, Delhi	External Member
Department of Electronics & Communication Engineering			
1	Dr. Abhiruchi Passi	Associate Professor & Head, Dept. of Electronics & Comn. Engg.	Chairperson
2	Dr. M. K. Soni	Professor, Dept. of Electronics & Comn. Engg. (Pro Vice Chancellor, MRIIRS)	Member
3	Dr. Naresh Grover	Professor, Dept. of Electronics & Comn. Engg. (Dean Academics)	Member
4	Dr. Dipali Bansal	Professor, Dept. of Electronics & Comn. Engg. (Associate Dean Academics)	Member
5	Dr. Geeta Nijhawan	Professor Dept. of Electronics & Comn. Engg. (Associate Dean - FET)	Member
6	Dr. Vimlesh Singh	Associate Professor, Dept. of Electronics & Comn. Engg.	Member
7	Dr. Pratima Manhas	Associate Professor, Dept. of Electronics & Comn. Engg.	Member
8	Mr. Umesh Dutta	Assistant Professor, Dept. of Electronics & Comn. Engg.	Member
9	Mr. Deepak Panwar	Professor, Hughes Systique Corporation, D-24, Infocity 2nd, Sector -33, Gurgram - 122002	External Member
10	Dr. Ashok Mittal	Professor, Ambedkar Institute of Advanced Communication Technologies and Research Geeta Colony, New Delhi- 110031	External Member

Department of Electrical & Electronics Engineering			
1	Dr. Anita Khosla	Professor & Head Dept. of Electrical & Electronics Engg.	Chairperson
2	Dr. H C Rai	Professor Dept. of Electrical & Electronics Engg. (Dean-FET)	Member
3	Dr. Leena G	Professor Dept. of Electrical & Electronics Engg.	Member
4	Dr. Vimlesh Singh	Associate Professor Dept. of Electrical & Electronics Engg.	Member
5	Ms. Shaveta Thakral	Associate Professor Dept. of Electrical & Electronics Engg.	Member
6	Ms. Ashish Grover	Assistant Professor Dept. of Electrical & Electronics Engg.	Member
7	Ms. Amrinder Kaur	Assistant Professor Dept. of Electrical & Electronics Engg.	Member
7	Dr. Dheeraj Joshi	Professor, DTU, Delhi	External Member
8	Mr. Vikram Mattoo	General Manager Mitsubishi Electric India Pvt. Ptd.	External Member

Department of Automobile Engineering			
1	Dr. Devendra Vashisht	Professor & Head Dept. of Automobile Engg.	Chairman
2	Dr. Virender Narula	Professor Dept. of Mechanical Engg.	Member
3	Dr. Dev Dutt	Associate Professor Dept. of Mechanical Engg.	Member
4	Mr. Sunny Bhatia	Assistant Professor Dept. of Automobile Engg.	Member
5	Mr. Gurpreet Singh	Assistant Professor Dept. of Automobile Engg.	Member
6	Mr. Sagar Maji	Professor, DTU, Delhi	External Member
7	Mr. Sharad Pradhan	GM, CSR, Honda	External Member

3.2 FACULTY OF COMMERCE & BUSINESS STUDIES

Name of Departments:

1) Commerce

2) Business Studies

Programmes					
Name of the Faculty	**Programme**	**Student Intake**		**Total Admissions**	
		UG	**PG**	**UG**	**PG**
Faculty of Commerce and Business Studies	B.Com (Hons.)	100		97-99	
	Bachelor of Business Administration (BBA - GENERAL)	120		110-111	
	Bachelor of Business Administration (BBA - Banking and Financial Market)	40		33-34	
	Bachelor of Business Administration [BBA (Global) - International Business]	20		16	
	M.Com		10		09

Faculty of Commerce & Business Studies (FCBS) 2019-20

List of Faculty Members:

Sr. No.	Name of the Faculty Member	Designation	Department
1	Jayender Verma	Professor	Commerce
2	Monika Goel	Professor	Commerce
3	Nidhi Tandon	Assistant Professor	Commerce
4	Ratika Agarwal	Assistant Professor	Commerce
5	Simran Kaur	Assistant Professor	Commerce
6	Teena Hassija	Assistant Professor	Commerce
7	Preeti Chabra	Assistant Professor	Commerce
8	Arun Vashista	Assistant Professor	Commerce
9	Arkaja Garg	Assistant Professor	Commerce
10	Poonam Rani	Assistant Professor	Commerce
11	Shilpa Bhatia	Assistant Professor	Commerce
12	Priyanka Srivastava	Assistant Professor	Commerce
13	Vibhooti Mishra	Assistant Professor	Commerce

Sr. No.	Name of the Faculty Member	Designation	Department
1	Aparna Prashant Goyal	**Professor**	**Business Studies**
2	Rakesh Kumar Arya	Professor	Business Studies
3	Narinder Tanwar	Professor	Business Studies
4	Swati Watts	Associate Professor	Business Studies
5	Sushil Kumar Pasricha	Associate Professor	Business Studies
6	Arvind Dalal	Assistant Professor	Business Studies
7	Kanupriya Shekhar	Assistant Professor	Business Studies
8	Priyanka Verma	Assistant Professor	Business Studies
9	Divya Gupta	Assistant Professor	Business Studies
10	Radha Pandit	Assistant Professor	Business Studies
11	Urvashi Sharma	Assistant Professor	Business Studies
12	Neha Wadhawan	Assistant Professor	Business Studies
13	Anjali Singh	Assistant Professor	Business Studies
14	Ritika Kharbanda	Assistant Professor	Business Studies
15	Parul	Assistant Professor	Business Studies
16	Manisha Grover	Assistant Professor	Business Studies
17	Madhumita Mahapatra	Assistant Professor	Business Studies
18	Priyanka Bhayana	Assistant Professor	Business Studies
19	Amanpreet Kaur	Assistant Professor	Business Studies

Departments at Glance

Department of Commerce

Thrust Area

- Accounting Standards and Auditing
- Mergers and Acquisitions
- Banking and Financial Analysis
- Taxation and Law
- Marketing and e-Commerce
- Entrepreneurship
- Advertising and Sales Promotion

Academic Achievements

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Ritika Bareja	Bachelor of Commerce (Hons.) Industry Integrated	Chandigarh University	Master of Business Administration
Deepak Yadav	Bachelor of Commerce (Hons.) Industry Integrated	Indira Gandhi National Open University	Master of Commerce
Jatin Tokas	Bachelor of Commerce (Hons.) Industry Integrated	Seneca College	Master of Business Administration
Ritika Mittal	Bachelor of Commerce (Hons.)	Chandigarh Univeristy	Master of Business Administration
Sanjana Goyal	Bachelor of Commerce (Hons.)	Chaudhary Ranbir Singh University	Bachelor of Education (Arts & Commerce)
Simran Sharma	Bachelor of Commerce (Hons.)	Modern International College of Education	Bachelor of Education
Saransh Mehta	Bachelor of Commerce (Hons.)	Cardiff University, Registry	Master of Science - Business
Anshika Garg	Bachelor of Commerce (Hons.)	Jagan Institute of Management Studies	Master of Business Administration
Sachin Choudhary	Bachelor of Commerce (Hons.)	Amity University	Master of Business Administration (M&S)
Simran Bhati	Bachelor of Commerce (Hons.)	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Commerce
Reeya Ashok	Bachelor of Commerce (Hons.)	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Business Administration
Megha Bhardwaj	Bachelor of Commerce (Hons.)	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Business Administration
Hebrin Alex Koshy	Bachelor of Commerce (Hons.)	The University of Scranton	Master of Business Administration
Sanya Kulshrestha	Bachelor of Commerce (Hons.)	Regional College of Bangalore	Master of Business Administration

Gunjan Garg	Bachelor of Commerce (Hons.)	Gurugram University, Gurugram	Master of Business Administration
Riya	Bachelor of Commerce (Hons.)	Jagan Institute of Management Studies	PGDM IB Program

Students qualifying in State/ National / International Level examinations during the year: 2019-20

Name	Roll No	Exam Cleared	Registration No.
Kanika	18-FCBS-MCOM-005	NET	HR0351400297
Shalini Maan	17-FCBS-MCOM-005	NET	HR0305204895
Risha Thakur	13-FCH-B.COM(H)-047	NET	DL0105224187
Vishesh Poswal	18-FCBS-MCOM-010	NET	HR0305205118
Yash Mittal	16-FCBS-BCOM(H) II-040	SNAP	200109500
Atul Chauhan	16-FCBS-BCOM(H)-013	MAT	912623
Drishti Arora	17-FCBS-BCOM(H) II-003	MAT	919972
Riya Dhiman	17-FCBS-BCOM(H)-037	MAT	906429
Shreshth Bali	17-FCBS-BCOM(H)-082	MAT	912044
Sachin Choudhary	17-FCBS-BCOM(H)-038	MAT	907580
Anshika Garg	17-FCBS-BCOM(H)-009	MAT	940545
Sanya Kulshrestha	17-FCBS-BCOM(H)II-013	MAT	938672

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Awareness Program on Consumer Outreach	24-02-2020	82	Ms. Ratika Aggarwal, Assistant Professor, Department of Commerce
Choosing a Career Path in E-Commerce	18-11-2019	68	Mr. Sachin Agarwal, Funde of Schin BM Agarwal & Company
Awareness on Stock Exchange	18-09-2019	70	Department of Commerce
Awareness on Digital Marketing	26-08-2019	58	Department of Commerce

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Teena Hassija	7th Pan IIM World Management Conference	12-12-2019	14-12-2019
Teena Hassija	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Nidhi Tandon	FDP on Statistical Applications using SPSS Software	24-05-2020	28-05-2020
Neha Wadhawan	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Simran Kaur	FDP on Statistical Application using SPSS Software	24-05-2020	28-05-2020
Arkaja Garg	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Ratika Agarwal	MDP on rebalance Volatility Certification Course (RVCC) from NSE Academy Ltd.	06-05-2020	14-05-2020
Vibhooti Mishra	FDP on Statistical Applications using SPSS Software	24-05-2020	28-05-2020

Events Organized

Title of the professional development program organised for teaching staff: FDP, STC, Conference, Seminar, Expert talk, Session etc	Date (DD-MM-YYYY) From	Date (DD-MM-YYYY) To
Expert talk on *'Atmanirbhar Bharat'* by Financial Experts – Dr. Monica Goel	08-06-2020	08-06-2020

Department of Business Studies

Thrust Area

- Brand Management
- International Marketing and e-Commerce
- Banking and Financial Analysis
- International Business
- Mergers and Acquisition
- Digital Marketing

Academic Achievements

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Campus to Corporate in Business Studies	50
Career Prospects for Students	55

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Aarohi Aggarwal	Bachelor of Business Administration (BBA) - General	New Delhi Institute of Management	Post Graduate Diploma in Management
Ayushi Pawar	Bachelor of Business Administration (BBA) - General	Lloyd Institute of Management & Technology	Master of Business Administration
Priyansh Arora	Bachelor of Business Administration (BBA) - General	Appejay Institute of Mass Communication	Master of Business Administration
Aniket Das Gupta	Bachelor of Business Administration (BBA) - General	Amity University	Master of Business Administration
Mansi Goyal	Bachelor of Business Administration (BBA) - General	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Business Administration
Muskaan Deswal	Bachelor of Business Administration (BBA) - General	Maharishi Dayanand University	LLB

Ridhi Choudhary	Bachelor of Business Administration (BBA) - General	AIMA	Master of Business Administration
Shavez Ahmed	Bachelor of Business Administration (BBA) - General	Jamia Hamdard	Master of Business Administration
Vipul Gupta	Bachelor of Business Administration (BBA) - General	Amity University	Master of Business Administration
Rahul Gaur	Bachelor of Business Administration (BBA) - General	Lambton College, Toronto	Chartered Financial Analyst
Vishal Rajput	Bachelor of Business Administration (BBA) - General	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Business Administration
Balram	Bachelor of Business Administration (BBA) - General	Gitarattan International Business School	Master of Business Administration
Aanchal Kumar	Bachelor of Business Administration (BBA) - General	Gitarattan International Business School	Master of Business Administration
Satyansh Singh	Bachelor of Business Administration (BBA) - General	Macquarie University	Master of Combined Studies in Marketing/ International Buisness
Jatin Munderia	Bachelor of Business Administration (BBA) - General	AGBS, Noida	Master of Business Administration
Asif Hoque	Bachelor of Business Administration (BBA) - General	Symbiosis International (Deemed University)	Master of Business Administration
Amarjeet Lather	Bachelor of Business Administration (BBA) - General	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Business Administration
Prashant Dagar	Bachelor of Business Administration (Global) – International Business	Audencia Business School	International Master in Management
Prerna Tyagi	Bachelor of Business Administration (Global) – International Business	Queen Marry, University of London	M.Sc. – Food Technology Management
Umika Ahuja	Bachelor of Business Administration (Global) – International Business	Pearl Academy	PG Diploma in Fashion Business
Anant Jain	Bachelor of Business Administration (Global) – International Business	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Business Administration
Aman Kanojia	Bachelors of Business Administration (BBA) - Banking	Jagannath International Management School, New Delhi	Post Graduate Diploma in Business Management
Dipanshi Khandelwal	Bachelors of Business Administration (BBA) - Banking	New Delhi Institute of Management	Post Graduate Diploma in Business Management
Harshit Chopra	Bachelors of Business Administration (BBA) - Banking	Asian Business School, Faridabad	Master of Business Administration

Mitanshi Aggarwal	Bachelors of Business Administration (BBA) - Banking	Amity University	Master of Business Administration
Tina Singh	Bachelors of Business Administration (BBA) - Banking	Asian Business School, Faridabad	Post Graduate Diploma in Management
Divya Pandey	Bachelors of Business Administration (BBA) - Banking	Amity University	Master of Business Administration
Muskaan Singla	Bachelors of Business Administration (BBA) - Banking	JC Bose YMCA University of Science & Technology	Master of Business Administration
Ikhlaque Khan	Bachelor of Business Administration (BBA) - General	Amity University	Master of Business Administration
Jyoti	Bachelor of Business Administration (BBA) - General	J C Bose YMCA University of Science & Technology	Master of Business Administration
Nawang Sharma	Bachelor of Business Administration (BBA) - General	Amity Global Business School	Master of Business Administration
Neetu Bhadana	Bachelor of Business Administration (BBA) - General	Amity University	Master of Business Administration
Mitanshi Aggarwal	Bachelors of Business Administration (BBA) - Banking	Amity Global Business School	Post Graduate Program in Management
Gitika Gupta	Bachelor of Business Administration (BBA) - Banking	Lovely Professional University, Punjab	Master of Business Administration
Nikhil Suri	Bachelor of Business Administration (Global) – International Business	BML Munjal University	Master of Business Administration

Sports Activities: 2019-20

Award / Medal	National / International	Sports	Student Name
World University Games 2019 at Napoli, Italy-Bronze Medal	International	Shotgun-Shooting	Angad Vir Singh Bajwa

Cultural Activities: 2019-20

Award- medal	National-International	Activities	Student Name
First Position at Fashion Walk	National	Annual Cultural Fest - Oasis'19 (BITS Pilani)	Rahul Jain
First Position at Street Dance	National	Annual Cultural Fest - Thomso'19 (IIT Roorkee)	Vedant
First Position in Fashion Show	National	Annual Cultural Fest Rawal Institutions Raw Fest 2K20	Rahul Jain

Students qualifying in State/ National / International Level examinations during the year: 2019-20

Name	Roll No	Exam Cleared	Registration No.
Rahul Gaur	17-FCBS-BBA(G)-035	IELETS	Z5293968
Manit Mehra	16-FCBS-BBA(G)IB-028	UPSC	835150

Capacity development and skills enhancement initiatives / activities organised by department: 2019 - 20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)
To Aware Entrepreneurs about Importance of Insurance Sector	11-02-2020	49	Ms Vaani Taneja, Alumni, Xceedance Consulting Pvt Ltd, Gurgaon
To Aware about Six Sigma Techniques	08-11-2019	16	Dr Urvashi Sharma, Assistant Professor, DBS
To Aware Entrepreneurs about 7P's of Marketing	02-11-2019	12	Dr Narinder Tanwar, Associate Professor, DBS
Awareness about Importance of HR Treands	10-10-2019	15	Dr Urvashi Sharma, Assistant Professor, DBS
To Aware Entrepreneurs about Financial Market	03-10-2019	20	Mr Vineet Sikka, Visiting Faculty

Faculty members: Awards & Recognitions: 2019-20

Name of Faculty Member	Awards / Recognition
Swati Watts	Invited keynote speaker during "International Conference on Advances in Business Management, Digital Economy, Research and Technology" at Jaipur. (27th -28th July, 2019)
Swati Watts	Patent Published: Automatic Sanitized the Elevator Key Inside Outside Surface and Air (26-06-2020)
Poonam Rani	Invited as a Resource Person and Speaker to deliver a Lecture during "3 Days Research Methodology Workshop on STATA and PLS-SEM for M.Phil. and Ph.D. Students" held at UGC - Human Resource Development Centre, Kurukshetra University, Kurukshetra (12-12-2019)

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Anjali Singh	STC on effective Teaching through ICT	15-07-2019	19-07-2019
Anjali Singh	International Conference on Advances in Management and Digital Sciences	28-09-2019	29-09-2019
Urvashi Sharma	STC on Effective Teaching through ICT	15-07-2019	19-07-2019
Urvashi Sharma	International Conference on Advances in Management and Digital Sciences	28-09-2019	29-09-2019

EVENTS ORGANISED: 2019-20

Title	From	To
Training session on Bloom Taxonomy	18-04-2020	18-04-2020

Number of books and chapters in edited volumes					
Title of the book/ chapters published	**Title of the paper**	**Title of the proceedings of the conference**	**Name of the conference**	**ISBN-ISSN number of the proceeding**	**Name of the publisher**
Dr. Urvashi Sharma	Business & Management Disruptions in Business : Embracing The Age of Digitalisation	Organizational Development and change through Green HRM: An Initiative taken by Education sector in Delhi and NCR	Advances in Management and Decision Sciences	4rd Inter national Conference, Organized by School of Management Gautam Buddha University(UP)	ISBN: 978-81-939108-0-1
Dr. Arvind Dalal	Paradigm Shift in Management Practices for Fostering Excellence	A method for construction of 2*3n asymmetrical factorial experiments	Paradigm Shift in Management Practice for Fostering Excellence	National Conference on PSMPFE 2019 (NEW DELHI)	ISBN 978-93-86453-92-1
Simran Kaur, Nidhi Tandon, Gurpreet Singh Matharou	Transforming Management using Artificial Intelligence Techniques	Contemporary Trends in Education Transformation using Artificial Intelligence			9781003032410

Details of Board of Faculty and Board of Studies tabulated below:

Board of Faculty			
1	Dr. Aparna Prashant Goyal	Professor & Dean FCBS	Chairperson
2	Mr. Sushil Kumar Pasricha	Associate Prof. & Head, Dept. of Business Studies	Member
3	Dr. Jayender Verma	Associate Professor & Officiating Head, Dept. of Commerce	Member
4	Dr. Amit Seth	Professor, Dept. of Business Studies	Member
5	Dr. Narender Tanwar	Associate Professor, Dept. of Business Studies	Member
6	Mr. Arun Vashista	Assistant Professor, Dept. of Commerce	Member
7	Dr. Arvind Dalal	Assistant Professor, Dept. of Commerce	Member
8	Prof. Sanjeev Mittal	Professor Dept. of Management, GGSIP, New Delhi	External Member
9	Mr. Ciby James	Vice President, American Society of Quality	External Member

Boards of Studies			
Department of Business Studies			
1	Mr. Sushil Kumar Pasricha	Associate Prof & Head, Dept. of Business Studies	Chairman
2	Dr. Rakesh Arya	Professor, Dept. of Business Studies	Member
3	Dr. Amit Seth	Professor, Dept. of Business Studies	Member
4	Dr. Narender Tanwar	Associate Professor, Dept. of Business Studies	Member
5	Dr. Jayender Verma	Associate Professor, Dept. of Commerce	Member
6	Ms. Priyanka Verma	Assistant Professor, Dept. of Business Studies	Member
7	Ms. Divya Gupta	Assistant Professor, Dept. of Business Studies	Member
8	Dr. Raj Kumar	Professor, Institute of Mgt Studies & Research, MD University,Rohtak	External Member
9	Mr. Ciby James	Director - ASQ India, New Delhi	External Member

Department of Commerce			
1	Dr. Jayender Verma	Associate Professor & Officiating Head Dept. of Commerce	Chairman
2	Dr. Aparna Prashant Goyal	Professor, Dept. of Commerce (Dean FCBS)	Member
3	Mr. Sushil Kumar Pasricha	Associate Professor, Dept. of Business Studies	Member
4	Dr. Narender Tanwar	Associate Professor, Dept. of Business Studies	Member
5	Dr. Simran Kaur	Assistant Professor, Dept. of Commerce	Member
6	Ms. Teena Hasija	Assistant Professor, Dept. of Commerce	Member
7	Dr. Sanjeev Mittal	Professor of Mgt, GGSIP, New Delhi	External Member
8	Mr. Pulock Bhattacharji	Vice President, BSE Institute, New Delhi	External Member

3.3 FACULTY OF ALLIED HEALTH SCIENCES

Departments:

1. **Department of Nutrition & Dietetics**
2. **Department of Physiotherapy**

Admission Status:

Programmes					
Name of the Faculty	**Programme**	**Student Intake**		**Total Admissions**	
		UG	**PG**	**UG**	**PG**
Faculty of Applied Sciences	B.Sc. (Nutrition and Dietetics)	60		58	
	Bachelor of Physiotherapy (BPT)	50		47	
	Master of Physiotherapy (MPT)		45		43
	M.Sc. (Nutrition and Dietetics)		60		57

Faculty of Allied Health Sciences (FAHS) 2019-20

List of Faculty Members:

Sr. No.	Name of the Faculty Member	Designation	Department
1	Pratibha Singh	Professor	Nutrition & Dietetics
2	Divya Sanghi	Associate Professor	Nutrition & Dietetics
3	Gurjeet Kaur Chawla	Associate Professor	Nutrition & Dietetics
4	Mahak Sharma	Associate Professor	Nutrition & Dietetics
5	Ankita Sehjpal Sharma	Assistant Professor	Nutrition & Dietetics
6	Lakhvinder Kaur	Assistant Professor	Nutrition & Dietetics
7	Priya Mishra	Assistant Professor	Nutrition & Dietetics
8	Shubhra Saraswat	Assistant Professor	Nutrition & Dietetics
9	Varsha Srivastava	Assistant Professor	Nutrition & Dietetics
10	Upasana Yadav	Assistant Professor	Nutrition & Dietetics
11	Swayam Siddha	Assistant Professor	Nutrition & Dietetics
12	Divya Puri	Assistant Professor	Nutrition & Dietetics
13	Gurseen Rakhra	Assistant Professor	Nutrition & Dietetics
14	Vandana Garg	Assistant Professor	Nutrition & Dietetics

15	Madhvi Awasthi	Assistant Professor	Nutrition & Dietetics
16	M. Sneha Nair	Assistant Professor	Nutrition & Dietetics
17	Srishti Negi	Assistant Professor	Nutrition & Dietetics

Sr. No.	Name of the Faculty Member	Designation	Department
1	Moattar Raza Rizvi	Professor	Physiotherapy
2	Pooja Anand	Professor	Physiotherapy
3	Ekta Chitkara	Associate Professor	Physiotherapy
4	Shishir Nigam	Assistant Professor	Physiotherapy
5	Shobhit Saxena	Assistant Professor	Physiotherapy
6	Preeti Saini	Assistant Professor	Physiotherapy
7	Sheena Arora	Assistant Professor	Physiotherapy
8	Priyanka Sethi	Assistant Professor	Physiotherapy
9	Shalini Grover	Associate Professor	Physiotherapy
10	Jaswinder Kaur	Assistant Professor & Medical Officer	Physiotherapy
11	Pooja Sharma	Assistant Professor	Physiotherapy
12	Poonam Gupta	Assistant Professor	Physiotherapy
13	Akshay Anand	Assistant Professor	Physiotherapy
14	Aswani Sasidharan Nambiar	Assistant Professor	Physiotherapy
15	Sumit Arora	Assistant Professor	Physiotherapy
16	Sunita Kumari	Assistant Professor	Physiotherapy
17	Abhishta Sehdev	Assistant professor	Physiotherapy
18	Irshad Ahmad	Assistant Professor	Physiotherapy
19	Shweta Sharma (Physiotherapy)	Assistant Professor	Physiotherapy
20	Heeral Joshi	Assistant Professor	Physiotherapy
21	Neha Wakhloo	Assistant Professor	Physiotherapy
22	Ankita	Assistant Professor	Physiotherapy
23	Dikshant Jatwani	Assistant Professor	Physiotherapy
24	Achin Kumar	Assistant Professor	Physiotherapy

Departments at a Glance

1. Department of Nutrition and Dietetics

Thrust Area:

- Clinical Nutrition
- Food Science and Technology
- Public Health and Nutrition
- Sports Nutrition

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
NET & JRF	41
Recent Advancements in the field of Nutrition: Career Prospects	40
Holistic Nutrition Approach: New era for Career	40
Session on Career Opportunities in the era of Nutrition	90
Workshop on Intermediate Fasting: Job Prospects and Challenges	200

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Pragya Singh	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Prerna Dhingra	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Himanshu Singh	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Falak Gupta	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Mehak Gupta	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Ruchika Kaur	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Aniza Faruk	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics

Avani Gumber	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Divya Aggarwal	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Mansi	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Poorvi Mishra	Bachelors of Science - Nutrition & Dietetics	Sharda University	Masters of Science Food Technology
Gurkirat Kaur	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Priyanka	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Ayushi Gulati	Bachelors of Science - Nutrition & Dietetics	Indira Gandhi National Open University	Masters of Science-Food and Nutrition
Bhavya Kohli	Bachelors of Science - Nutrition & Dietetics	Indira Gandhi National Open University	Masters of Science-Food and Nutrition
Artika Kaushik	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Pallavi Sharma	Masters of Science - Nutrition & Dietetics	Rawal College of Education	Bachelor of Education
Venus Choudhary	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Anjali Rauthan	Masters of Science - Nutrition & Dietetics	Indira Gandhi National Open University	Post Graduate Diploma in Management
Divya Aggarwal	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Muskan Garg	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Rimsha Gupta	Bachelors of Science - Nutrition & Dietetics	Delhi University	Masters of Science-Food and Nutrition
Rupam	Bachelors of Science - Nutrition & Dietetics	Delhi University	Masters of Science-Food and Nutrition
Gurkirat	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Mansi Verma	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Minal Mangla	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Poorvi	Bachelors of Science - Nutrition & Dietetics	Sharda University	Masters of Science - Nutrition & Dietetics
Priyanka	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics
Ayushi	Bachelors of Science - Nutrition & Dietetics	Indira Gandhi National Open University	Masters of Science - Nutrition & Dietetics

Amuja Agarwal	Bachelors of Science - Nutrition & Dietetics	Amity University	Masters of Science - Nutrition & Dietetics
Nishtha Gorver	Bachelors of Science - Nutrition & Dietetics	S.N.D.T. Women's University	Post Graduate Diploma
Rashi Chaudhari	Bachelors of Science - Nutrition & Dietetics	Amity University	Masters of Science - Nutrition & Dietetics
Stuti	Bachelors of Science - Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Faridabad	Masters of Science - Nutrition & Dietetics

Cultural Activities: 2019-20

Award / Medal	National / International	Activities	Student Name
First Position in Solo Singing	National	Indian Solo Singing Comeptition at Shree Guru Teg Bahadur Khalsa College	Sanya Garg
First Position in Solo Singing	National	Indian Solo Singing Comeptition at Shree Guru Teg Bahadur Khalsa College	Manjeet Tanwar
Second Position in Solo Singing	National	Solo Singing Comeptition at Lady Irwin College, Delhi University	Manjeet Tanwar
Second Position in Solo Singing	National	Solo Singing Comeptition at Sri Venkateswara College, Delhi University	Manjeet Tanwar
First Position in Classical Solo	National	Indian Classical Solo at Mata Sundari College, Delhi University	Manjeet Tanwar
Second Position at Theatrix- Stage Play by Paigam- Theater Society	National	Particiaption at Annual Cultural Fest (IIT-Guwahati)	Renu Rana
First Position at Fashion Walk	National	Annual Cultural Fest- Oasis'19 (BITS PILANI)	Ayushi
First Position at Fashion Walk	National	Annual Cultural Fest- Oasis'19 (BITS PILANI)	Lavanya
First Position at Street Dance	National	Annual Cultural Fest- Thomso'19 (IIT Roorkee)	Purva Rana
First Position at Street Dance	National	Annual Cultural Fest- Thomso'19 (IIT Roorkee)	Vama Madan
Second Position at Battle of Bands	National	Annual Cultural Fest- VIPS 2019	Manjeet Tanwar
First Position in Light Vocal Solo	National	UNMAD 2.2 Trinity Institute of Professional Studies	Manjeet Tanwar
First Position in Fashion Show	National	Annual Cultural Fest Rawal Institutions RawFest 2K20	Lavanya

Students qualifying in State/ National / International Level examinations during the year: 2019-20

Name	Roll No	Exam Cleared	Registration No.
Archana Garg	18-FAS-MSC (N&D)-05	NET	DL0105207503
Tanu Gupta	17-FAS-MSC(N&D)-45	NET	200510421339
Riya Khurana	18-FAS-MSC (N&D)-30	NET	HR0305202497

Capacity development and skills enhancement initiatives / activities organised by department: 2019 -20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Guest Lecture on "Lifestyle Diseases"	02-09-2019	182	Dr. Madhvi Awasthi, Assistant Professor, Department of Nutrtion & Dietetics
Workshop on Intermediate Fasting: Job Prospects & Challenges	10-01-2020	198	VLCC Institute, Faridabad
Guest Lecture on 'Food Safety'	04-10-2019	18	Mr Jasjit Singh Sindhu, Ex deputy Director, CSIR CFTRI Mysore
Exhibition cum Workshop of Technologies in Food Processing developed by CSIR	13-11-2019	30	Ministry of Food Processing Industries and ASSOCHAM

Student's Publications:

Title of paper	Name of all the author/s	Journal / Conference Title, of ournal / Publication
Comparative Study of Proximal Analysis of Fresh Pomegranate Flower Powder and Dry Pomegranate Flower Powder – A Waste Management Study	Pratima Singh, Mahak Sharma	Plant Archives, Jun-20
Organoleptic evaluation of product developed from Banana Blossom Powder and Indian gooseberry Powder for Anaemic Population	Shuchita Anand, Mahak Sharma	Plant Archives, Jun-20

A Review: Role of Leucine as a Sports Supplement	Raveena Saharan and Madhvi Awasthi	Journal of Human Ecology, 2020
Assessment of Food Handling Practices of Street Food Vendors of Delhi-NCR	Vaishali, Srishti Negi	International Journal of Food Science and Nutrition, June-20
Association between poor Socio-economic status and decline in Functional Capacity among Female Geriatric Population	Tanu Gupta, Pratibha Singh	International Journal of Health Sciences and Research, Jul 19
Effect of Japan Water Therapy Infused with Cinaamon on Body Weight, Waist Hip Ratio and BMI of Overweight And Obese Subjects	Shivani bhatia, Shubhra Saraswat	Asian Journal of Pharmaceutical and Clinical Research, Sep 19
Product Development, Nutrient and sensory analysis of Sports Drink based on China seeds	Saloni, Shubhra Saraswat	International Journal of Physiology, Nutrition and Physical Education, Nov 19
Cinnamon: All Round Medicinal Spice	Shivani bhatia, Shubhra Saraswat	Plant Archives, Apr 20
Nutrient composition and sensory evaluation of Whey based Amla Marmalade	Ria, Shubhra Saraswat	Plant Archives, Apr 20
Nutritional Evaluation of Value added Chocolate Brownie by Incorporating Amaranthus Powder	Priya Mishra, Thukral B and Prabhleen	International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS), Aug 20
Anti-Diabetic Property of Catharanthus roseus Leaves and Psidium Guajava Leaves	Kirti Chauhan, Srishti Negi	J. Adv. Res. in Ayurveda, Yoga, Unani, Sidhha & Homeopathy, Jun 20
Effect of Leucine supplementation on Muscle growth of Gym goser.	Saharan Raveena and Awasthi Madhvi	International Journal of Physiology, Nutrition and Physical Education, 2019
Consumotion pattern of Fast Foods and its effect on Health Status of adolescents (17-20 years)	Shreyanshi Aggarwal, Ankita Sharma	International Journal of Scientific Research, 2020
A Comparative Study on Presence of Heavy Metals Lead and Cadmium in Tomato Ketchups used by Street Vendors of Delhi NCR	Vaishali, Srishti Negi	Journal of Advanced Research in Medical Science & Technology, 2020
Consumer Knowledge, Attitude and Practice of using Fortified Food in India: A Study among Women in Urban Delhi	Prem Kumar Yadav and Vandana Garg	International Journal of Health Sciences and Research, 2020
An Initiative for Management of Food Waste: An Observational Study	Ayushi Gupta and Mahak Sharma	Indian Journal of Public Health Research & Development, 2020

Student's Awards:

Team / Individual	Inter University / State / National / International	Name of the student	Student ID number
Individual	National – Indian Solo Singing Competition DU	Manjeet Tanwar	17-FAS-B(N&D)-60
Individual	Indian - Solo Singing Competition DU	Manjeet Tanwar	17-FAS-B(N&D)-60
Individual	Indian - Solo Singing Competition DU	Manjeet Tanwar	17-FAS-B(N&D)-60
Individual	Indian - Solo Singing Competition DU	Manjeet Tanwar	17-FAS-B(N&D)-60
Team	National- Cultural Fest BITS Pilani	Ayushi	17-fas-B(N&D)-11
Team	National- Cultural Fest BITS Pilani	Lavanya	19-fas-bsc(n&d)-003
Team	National- Cultural Fest IIT Roorkee	Vama Madan	17-FAS-B(N&D)-54
Team	National- Cultural Fest IIT Roorkee	Purva Rana	19-FAS-B.Sc(N&D)-033
Individual	Udghosh- IIT Kanpur Gold Medal	Sanya Garg	18-FAS-B.Sc(N&D)-040

Academic Achievements

Faculty members: Awards & Recognitions: 2019-20

Name of Faculty Member	Awards-Recognition
Gurjeet Kaur Chawla	Invited Speaker for delivering lecture on the topic "How to create A First Impression" at Aggarwal College, Ballabgarh. (19-02-2020)
Pratibha Singh	Invited Speaker during 6th National Health Awards organized by Nutrition and Natural health Science Association. (27-12-2019)
Pratibha Singh	National Nutrition Icon Award 2019 by Mahanagar Global Achievers Award in association with Mahanaghar Mail. (25-07-2019)
Divya Sanghi	Invited Session Chair for Workshop on Clinical Update held at Indraprastha Apollo Hospital, New Delhi. (30-11-2019)
Divya Sanghi	Invited Session Chair for UGC Sponsored conference on Food Safety, Nutritional Security and Sustainability. (6^{th} -7^{th} March, 2020)
Mahak Sharma	Invited Speaker to deliver talk on: Diabetes in Athletes, during the workshop on "Edification on Diabetes" by Max Hospital. (13-10-2019)
Mahak Sharma	Elite Certification for Online SWAYAM-NPTEL Certificate Course: Introduction to Biostatistics, 8 weeks (Jul-Sep, 2019)
Mahak Sharma	Invited speaker for Webinar on Nutrition and Covid-19. (Mapei Construction Products India Pvt Ltd) (17-05-2020)
Shubhra Saraswat	Invited Rapporteur during the International Conference on Advances and innovations in Agriculture and Allied Sciences. (01-02-2020)
Ankita Sharma	Invited Speaker for session on Online Teaching on Importance of Vitamins and Micro-nutrients as immunity booster for self care during Covid-19, National Inst. of Public Cooperation and Child Development. (5^{th} Nov., 2020)
Vandana Garg	Participated in GACD implementation Science School (23-11-2020 to 04-12-2020)

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Pratibha Singh	51st Annual National Conference of the Nutrition Society of India, NSI	08-11-2019	09-11-2019
Pratibha Singh	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Mahak Sharma	NPTEL Certification on Introduction to Biostatistics	14-07-2019	25-09-2019
Mahak Sharma	Coursera Course on Science of Exercise	14-06-2020	27-06-2020
Ankita Sehjpal Sharma	Coursera Course on COVID 19: What you need to know (CME eligible)	12-06-2020	22-06-2020
Ankita Sehjpal Sharma	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Madhvi Awasthi	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Madhvi Awasthi	Coursera Course on Science of Exercise	25-05-2020	26-06-2020
Gurjeet Kaur Chawla	Coursera Course on Foundations of Public Health Practice: Behaviour & Behaviour Change	12-06-2020	10-07-2020
Gurjeet Kaur Chawla	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Upasana Yadav	Coursera Course on Weight Management: Beyond Balancing Calories	10-06-2020	19-06-2020
Upasana Yadav	Coursera Course on Nutrition and Lifestyle in Pregnancy	05-06-2020	14-06-2020
Upasana Yadav	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020

EVENTS ORGANISED: 2019-20

Title	From	To
FDP on 'Art of Living'	14-08-2019	14-08-2019
Workshop on ' Power of Food'	03-09-2019	03-09-2019
Workshop on ' Vedic Science': Healthy Indigenous Food	05-09-2019	05-09-2019
Workshop on Healthy Diets for a Zero Hunger World	16-10-2019	16-10-2019
Workshop on 'Sexual and Reproductive Helath'	12-02-2020	12-02-2020

2. Department of Physiotherapy

A. Thrust Area:

- Micro Injury Profile of Athletes
- Hydration Status
- Balance and agility
- Vibration Training Technique
- Isokinetic Dynamometry
- Ergonomics
- Motor - Learning and NDT

Students benefited by career counseling and guidance for competitive Examinations: 2019-20.

Activity Description	No. of Participants
Physio Success Mantra: How to be a successful Physiotherapist	122
Career of Physiotherapy in Canada	125

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Lovely Bansal	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Physiotherapy (sports)
Karishma Das	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Physiotherapy (Musculoskeletal)
Shivani Porwal	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Physiotherapy (Musculoskeletal)
Pooja Mor	Bachelor of Physiotherapy	Gurugram University	Master of Physiotherapy (Orthopedics)
Jerin K Joy	Bachelor of Physiotherapy	Menchester Metropolitan University, UK	MSc Advanced Physiotherapy
Keerti Baisoya	Bachelor of Physiotherapy	Gurugram University	Master of Physiotherapy (Orthopedics)
Poornima Singhal	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Physiotherapy (Neurology)
Sneha Soni	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Physiotherapy (Musculoskeletal)
Shikshita Sharan	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Physiotherapy (Musculoskeletal)
Akash Majumdar	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Physiotherapy (Musculoskeletal)
Karishma Das	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Physiotherapy

Pratibha	Bachelor of Physiotherapy	Santosh Medical College	Master of Physiotherapy
Risha Sirohi	Bachelor of Physiotherapy	GD Goenka University	Master of Physiotherapy
Shweta Mathur	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Physiotherapy
Vani Saini	Bachelor of Physiotherapy	GD Goenka University	Master of Physiotherapy
Chandan Yadav	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Physiotherapy
Mansi B Poojary	Bachelor of Physiotherapy	GD Goenka University	Master of Physiotherapy
Pavneet Singh	Bachelor of Physiotherapy	Lambton College	Master of Physiotherapy
Nitin Indora	Master of Physiotherapy - Sports	GJ University of Science and Technology, Hisar	PhD (Physiothrapy)

Cultural Activities: 2019-20

Award/ Medal	National / International	Activities	Student Name
First Position at Fashion Walk	National	Annual Cultural Fest- Oasis'19 (BITS Pilani)	Rashmi
First Position at Street Dance	National	Annual Cultural Fest- Thomso'19 (IIT Roorkee)	Sejal Sharma
First Position at Street Dance	National	Annual Cultural Fest- Thomso'19 (IIT Roorkee)	Maryada Tiwari
Second Position at Battle of Bands	National	Annual Cultural Fest- VIPS 2019	Shivangini Sharma
First Position Winners	National	*Vishbandutav Diwas* in association with Vivekanada Rock Memorial	Yash Garg
First Position Winners	National	*Vishbandutav Diwas* in association with Vivekanada Rock Memorial	Dimple Gaur
First Position Winners	National	*Vishbandutav Diwas* in association with Vivekanada Rock Memorial	Namandeep Kaur
First Position in Classical Solo	National	Semi - Indian Classical Solo at Mata Sundari College, Delhi University	Shivangini Sharma

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Labored Breathing to Ease Breathing: Journey of COVID 19 Pateints with Pysiotherapy Treatment	20-06-2020	115	Dr. Preeti Saini, Assistant Professor, Department of Physiotherapy
Impact of COVID -19 on Mental Health	27-05-2020	140	Dr. Priyanka Sethi, Assistant Professor, Department of Physiotherapy
Workshop on Bobath Techniques	30-01-2020	17	Dr.Harpreet singh, Physiotherapy Coardiorespiratory Unit, AIIMS, New Delhi
Recent advances in Physiotherapy Practice	09-09-2019	110	Dr.Tarun Lalla HoD, Department of Physiotherapy, Apollo Hospital, New Delhi

Academic Achievements

Awards & Recognitions:

Name of Faculty member	Details of Awards
Dr. Shweta Sharma	Academic Excellence Award in recognition of Outstanding contribution to Teaching in the Field of Physiotherapy by Medanta The Medicity & Indian Association of Physiotherapists. (18th Aug., 2019)
	Significant contribution in the Field of Physiotherapy, Janardhan Rainagar, Rajasthan Vidhyapeeth University, Udaipur (19th -20th Oct., 2019)
Dr. Sunita	Significant contribution in the Field of Physiotherapy, Moment Science Academy, Delhi. (16th Feb., 2020)
Dr. Shalini Grover	Academic Excellence Award for excellence in the Field of Physiotherapy to the Benefit of Society, Ortho-Physio Conclave (18th Aug., 2019)
Dr Pooja Anand	Physio Drona Award, Ortho-Physio Conclave, Medanta - The Medicity, Gurugram (18.08.2019)

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Pooja Anand	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Moattar Raza Rizvi	A National Convention on Emerging Trends in Medical Information and Technologies MLAI-19	02-03-2020	04-03-2020
Moattar Raza Rizvi	Coursera Course on "How to Write & Publish a Scientific Paper" (Coursera)	08-06-2020	15-06-2020
Priyanka Sethi	Coursera Course on Leadership and Emotional Intelligence (Coursera)	12-06-2020	27-06-2020
Priyanka Sethi	Coursera Course on Mind Control: Managing your Mental Health during COVID 19	15-06-2020	25-06-2020
Sunita Yadav	Coursera Course on COVID 19: What you need to Know (CME eligible)	10-06-2020	17-06-2020
Ankita	Coursera Course on COVID 19: What you need to Know (CME eligible)	09-06-2020	13-06-2020
Ankita	Coursera Course on Academic Information Seeking	12-06-2020	17-06-2020
Ankita	Coursera Course on Mind Control: Managing your Mental Health during COVID-19	01-06-2020	14-06-2020
Ankita	Coursera Course on Sit Less, Get Active	16-06-2020	22-06-2020
Shobhit Saxena	Coursera Course on Science of Exercise	14-06-2020	28-07-2020
Shobhit Saxena	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Shishir Nigam	Coursera Course on Mind Control: Managing your Mental Health During COVID-19	11-06-2020	24-06-2020
Shishir Nigam	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Akshay Anand	One week Indo-Muscat Virtual Workshop on Research Writing skills	26-05-2020	30-05-2020
Preeti Saini	Coursera Course on Mind Control: Managing your Mental Health during COVID-19	07-06-2020	18-06-2020
Preeti Saini	Coursera Course on understanding Research Methods	15-06-2020	18-06-2020
Preeti Saini	Coursera Course on Spreadsheets for Beginners using Google Sheets	16-06-2020	28-06-2020
Preeti Saini	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Pooja Sharma	Coursera Course on Mind Control: Managing your Mental Health during COVID-19	07-06-2020	17-06-2020

Pooja Sharma	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020

EVENTS ORGANISED: 2019-20

Title	From	To
Workshop on "Recent advancements in ICU and Physiotherapy Management"	20-09-2019	20-09-2019
Workshop on 'Bobath-NDT Perspective Management of Adult Stroke and Brain Injury'	30-01-2020	31-01-2020

Details of Board of Faculty and Board of Studies tabulated below:

Board of Faculty			
1	Dr. Naresh Grover	Professor & Dean – FAS	Chairperson
2	Dr. Moattar Raza Rizvi	Professor, Dept. of Physiotherapy	Member
3	Dr. Pratibha Singh	Professor & Head, Dept. of Nutrition & Dietetics	Member
4	Dr. Pooja Anand	Associate Professor & Head, Dept. of Physiotherapy	Member
5	Dr. Divya Sanghi	Associate Professor and Head, Dept. of Nutrition & Dietetics	Member
6	Dr. Ekta Chitkara	Associate Professor, Dept. of Physiotherapy	Member
7	Dr. Mahak Sharma	Associate Professor, Dept. of Nutrition & Dietetics	Member
8	Dr. Shobhit Saxena	Assistant Professor, Dept. of Physiotherapy	Member
9	Ms. Ankita Sharma	Assistant Professor, Dept. of Nutrition & Dietetics	Member
10	Dr. Debabrata Kanungo	Former Additional Director General of Health Services, Ministry of Health & Family Welfare, Govt. of India, New Delhi	External Member
11	Dr. Arvind Gupta	Dean Academics, Asian Hospital, Faridabad	External Member

Board of Studies			
Department of Nutrition & Dietetics			
1	Dr. Divya Sanghi	Associate Professor & Head, Dept. of Nutrition & Dietetics	Chairman
2	Dr. Pratibha Singh	Professsor, Dept. of Nutrition & Dietetics	Member
3	Dr. Mahak Sharma	Associate Professor, Dept. of Nutrition & Dietetics	Member
4	Dr. Ekta Chitkara	Associate Professor, Dept. of Physiotherapy	Member
5	Mrs. Lakhvinder Kaur	Assistant Professor, Dept. of Nutrition & Dietetics	Member
6	Ms. Ankita Sharma	Assistant Professor, Dept. of Nutrition & Dietetics	Member
7	Dr. Renuka Pathak	Associate Professor, Project Coordinator, Welcome Trust, Delhi University, New Delhi	External member

8	Dr. Imam Rao	Associate Prof, Dept of Food Technology Bhaskaracharya College, Delhi University, New Delhi	External Member
9	Dr. Ranjana Mahana	Director, Institute of Home Economics, Delhi University, New Delhi	Special Invitee

Department of Physiotherapy			
1	Mrs. Pooja Anand	Associate Professor & Head, Dept. of Physiotherapy	Chairman
2	Dr. Ekta Chitkara	Associate Professor, Dept. of Physiotherapy	Member
3	Dr. Shalini Grover	Associate Professor, Dept. of Physiotherapy	Member
4	Mr. Shobhit Saxena	Assistant Professor, Dept. of Physiotherapy	Member
5	Mr. Shishir Nigam	Assistant Professor Dept. of Physiotherapy	Member
6	Dr. Ejaz Hussain	Director, Centre for Rehabilitation Service, Jamia Millia Islamia University, New Delhi	External Member
7	Dr. Seema Grover	HOD, Physiotherapy Apollo Hospital, Faridabad	External Member
8	Dr. Chitra Kataria	Chief - Rehabilitation Service and Principal – Indian Spinal Injuries Centre, Vasant Kunj, New Delhi	Special Invitee

3.4 FACULTY OF COMPUTER APPLICATIONS

Department:

- Computer Applications

Admission Status:

Programme					
Name of the Faculty	Programme	Student Intake		Total Admissions	
		UG	PG	UG	PG
Faculty of Computer Applications	Bachelor of Computer Applications (BCA)	75		74	
	B.Sc. - Information Technology	15		10	
	Master of Computer Applications (MCA) - (including Lateral Entry)		60		01-60

Faculty of Computer Applications (FCA) 2019-20

List of Faculty Members:

Sr. No.	Name of the Faculty Member	Designation	Department
1	Shyam Sunder Tyagi	Professor	Computer Applications
2	Rashmi Agrawal	Professor	Computer Applications
3	Anupriya Jain	Associate Professor	Computer Applications
4	Sonal Pathak	Associate Professor	Computer Applications
5	Parul Gandhi	Associate Professor	Computer Applications
6	Shaveta Bhatia	Associate Professor	Computer Applications
7	Neha Gupta	Associate Professor	Computer Applications
8	Sonia Duggal	Associate Professor	Computer Applications
9	Seema Sharma	Assistant Professor	Computer Applications
10	Vishawjyoti	Assistant Professor	Computer Applications

11	Mridula Batra	Assistant Professor	Computer Applications
12	Siddharth Verma	Assistant Professor	Computer Applications
13	Sachin Sharma	Assistant Professor	Computer Applications
14	Meenaakshi N Munjal	Assistant Professor	Computer Applications
15	Chitra Jalota	Assistant Professor	Computer Applications
16	Raj Kumar	Assistant Professor	Computer Applications
17	Saket Kumar Choudhary	Assistant Professor	Computer Applications
18	Priyanka Sharma	Assistant Professor	Computer Applications
19	Sonia Setia	Assistant Professor	Computer Applications
20	Rajender Gola	Assistant Professor	Computer Applications

Department at a Glance:

Faculty of Computer Applications

Thrust Area

- Cloud Computing
- Image Processing
- Cyber Security
- Natural Language Processing
- Machine Learning
- Content based Learning
- Data Mining
- Brain Computer Interface
- Neural Networks
- Software defined Networking
- Big Data
- Internet of Things
- Android Application Development
- Computer Networks
- Web Mining
- Software Testing

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Career Counseling Session on ERP in Oracle Apps - Better Career Opportunities	40
Career Counseling Session on Future Prospects in Computer Networks	55
Career Counseling Session on "Future Prospects in Computer Networks"	60
Career Success Story: Alumni Meet	55

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution Joined	Admitted to (Name of Programme)
Prince Breja	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Vishal Sharma	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application

Krishna Sureka	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Simran Anand	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Apoorav Jhawar	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Archit Kohli	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Ranjita Singh	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Shivani Sahni	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Shubham Sadana	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Parul Sharma	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Venkatesh Bharti	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Ashwin Adlakha	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Rohan Virmani	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Dhruv Agghi	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Mehak Dham	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Simran Vashist	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Anjali Verma	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Seema Chauhan	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Surbhi Agarwal	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Abhishek Sehrawat	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Nidhi Singh	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application

Anjali	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Rohit Sharma	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Aman Yadav	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Harshit Singh	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Gunjit Dalal	Bachelor in Computer Applications (BCA)	KIET Group of Institute	Master in Computer Application
Aryan Jha	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Vishal Sharma	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Aniket Vats	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Jyoti Sharma	Bachelor in Computer Applications (BCA)	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Gagan Kumar	Bachelor of Science - Information Technology	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Mukul Sharma	Bachelor of Science - Information Technology	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Anjali Baisla	Bachelor of Science - Information Technology	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Anjali Sharma	Bachelor of Science - Information Technology	JC Bose YMCA University of Science & Technology	Master in Computer Application
Rishabh Bisht	Bachelor of Science - Information Technology	Manav Rachna International Institute of Research and Studies, Faridabad	Master in Computer Application
Vineet Kumar	Bachelor of Science - Information Technology	Sharda University	Master in Computer Application
Fidelis Marlyn Anthony	Master in Computer Application (MCA)	Lambton College of Applied Arts and Technology	Cyber Infrastructure Specialist
Joginder Singh	Master in Computer Application (MCA)	Lambton College	Big Cloud Specialist

Cultural Activities: 2019-20

Award / Medal	National / International	Activities	Student Name
Second Position at Theatrix - Stage Play by Paigam - Theater Society	National	Participation at Annual Cultural Fest (IIT)	Vishnupriya Chopra

Second Position at Theatrix- Stage Play by Paigam - Theater Society	National	Particiaption at Annual Cultural Fest (IIT)	Anshul Pradhan
First Position at Fashion Walk	National	Annual Cultural Fest- Oasis'19 (BITS Pilani)	Rajiv
Third Position in Art Exhibition	National	Abhivyakti'19 Art Exhibition DTU	Aashna

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Online Debate on "Role of Industrial Interenet of Things"	30-04-2020	60	Dr. Sonia Duggal, Assistant Professor, Faculty of Computer Applications
SMAC (Social Mobile Ananlytics Cloud) Technologies and its Future	05-03-2020	70	Faculty of Computer Applications in association with ACM
Technical club activity on "Virtual Reality and Gaming World: World of PubG"	10-02-2020	50	Dr. Sonia Duggal, Assistant Professor, Faculty of Computer Applications
Tech-Vibes 2019	15-10-2019	40	IEEE, Delhi Section
Group Discussion on "Data is the new Science; Big data holds the answers"	23-09-2019	50	Dr. Sonia Duggal, Assistant Professor, Faculty of Computer Applications

Academic Achievements

Student's Publications:

Paper Title	Author Details	Journal /Conference Title
Challenges in Cyber Crime and Security	Shaveta Bhatia, Harshit Popli, Mitali Jain	International Journal of Engineering and Advanced Technology (IJEAT), Vol 9, Issue 7, 1279-1283
Visual Cryptography	Deepak Choudhary, Anurag Bhardwaj, Sachin Sharma	International Journal of Grid and Distributed Computing, Vol 13, Issue 1, 2200-2211

Deep-fake: An Overview	Chadha Anupama, Kumar Vaibhav, Gupta Mayank, Kashyap Sonu	Intenational Conference on Computing, Communications and Cyber Security
A study on SEO tools and techniques for website	Parveen Kumar, Akshay Gautam, Deepak Mathpal, Sachin Sharma	International Journal of Disaster Recovery and Business Continuity, Vol 11, Issue 1, 2937-2948
License Plate Recognition System using Open CV & Py Tesseract	Chadha Anupama, Kumar Vaibhav, Gupta Mayank, Kashyap Sonu	CSI Journal of Computing
Speech Recognition System: A Review	Rohit Pahwa, Hari Om Tanwar, Sachin Sharma	International Journal of Future Generation Communication & Networking
Smart Dustbin for smart cities using IoT	Shreya Bhardwaj, Bhavya Bansal, Sana Shahid, Sachin Sharma	International Journal of Future Generation Communication & Networking
Challenges in Face Detection and Recognition techniques	Ravinder Kumar, Rahul Sajwan, Paveen Jha, Sachin Sharma	International Journal of Innovative Technology and Exploring Engineering
COVID-19 Precaution: Research and Its Application	Pranshu Sharma, Anupriya Jain	International Journal of Psychosocial Rehabilitation
Search Engine Optimization Tools Techniques – A Review	Bageesh, Paresh, Muskan, Anupriya Jain	International Journal of Grid and Distributed Computing
Study on Data Mining and it's Techniques	Himanshu Sanger, Sonu Sharma, Lalit Rawat & Anupriya	International Journal of Disaster Recovery and Business Continuity
IOT based Noise Control Clock	Akshay, Deepak, Anupriya Jain	International Journal of Future Generation Communication and Networking
Phishing Attack	Komal Chauhan, Saurav Kumar, Jyot, Anupriya Jain	International Journal of Future Generation Communication and Networking

Student's Awards:

Name of the event	Name of the Award / Medal	Team / Individual	Inter / University / State / National / Inter-national	Name of the student	Student ID number
Annual Cultural Fest-Oasis'19 (BITS Pilani)	First Position at Fashion Walk	Team	National	Rajiv	18-FCA-MCA(L)-022

Abhivyakti'19 Art Exhibition DTU	Third Position	Team	National	Aashna	17- FCA-BCA-001
Particiaption at Annual Cultural Fest (IIT-Guwahati)	Second Position at Theatrix- Stage Play by Paigam-Theater Society	Team	National	Vishnupriya Chopra	19-FCA-BCA-035
Particiaption at Annual Cultural Fest (IIT-Guwahati)	Second Position at Theatrix- Stage Play by Paigam-Theater Society	Team	National	Anshul Pradhan	17-FCA-BCA-017

Faculty Achievements:

Faculty / Members: Awards & Recognitions: 2019-20

Name of Faculty Member	Awards-Recognition
Neha Gupta	Invited Session Chair for International Conference on Innovative Computing and Communication -2019 (ICICC) held at Shaheed Sukhdev College of Business Studies, Delhi. (23-02-2020)
Shaveta Bhatia	Invited Session Chair for International Conference on System Modelling simulation and Intelligent Computing, ABES Engineering college, Ghaziabad. (5^{th} - 6^{th} March, 2020)
Shaveta Bhatia	Professional Membership of Computer Society of India, Membership Number-F8001807. (2019 - 2020)
Shaveta Bhatia	Invited Resource Person, Two Day National Conference on Innovative Research in Language, Science and Management, held at DAV Centenary College, Faridabad. (12-10-2019)
Saket Kumar Choudhary	Certificate of appreciation for being a Resource Person in 2 days workshop on "Introduction to Python" at Ramanujan Centre for Applied Mathematics and Research (14^{th} -15^{th} Oct, 2019)
Priyanka Sharma	Professional Membership Association for Computing Machinery (ACM)-4511629 (01-01-2020)
Rashmi Agrawal	Invited Keynote Speaker at Research Development Association's International Conference, Research Development Association, Jaipur, Rajasthan. (27^{th} – 28^{th} July, 2019)
Rashmi Agrawal	Certificate of Achievement and Honorary Membership of Indian Engineering Teachers Association. (23^{rd} Sep 2019 - 22^{nd} Sep 2020)
Rashmi Agrawal	Invited Keynote Speaker during 4^{th} International Conference on Research in Intelligent and Computing in Engineering - 2019, HANOI University of Industry. (8^{th} - 9^{th} Aug 2019)
Rashmi Agrawal	Invited Session Chair during 5^{th} International Conference on Research in Intelligent and Computing in Engineering -2020, Thu Dau Mot University, Vietnam. (3^{rd} - 4^{th} June 2020)
Rashmi Agrawal	Invited Session Chair during International Conference on Innovative Computing and Communication - 2020 at Shaheed Sukhdev College of Business Studies, New Delhi. (21^{st} - 23^{rd} Feb., 2020)

Sachin Sharma	Member - Computer Science Teachers Association and Internet Society. (15-03-2020)
Parul Gandhi	Certificate of Appreciation for being a Resource Person, by Chandigarh Group of Colleges. (30th March, 2020 to 3rd April, 2020)
Parul Gandhi	Invited Speaker in International Conference on Recent Trends and Innovation in Multidisciplinary Research at IEC University, Baddi, Himachal Pradesh. (14-03-2020)

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP - Workshop - Conference Attended	Duration	
		Date (From)	Date (To)
Priyanka Sharma	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Anupama Chadha / Pankaj	National Conference on Innovation Research in Language, Science & Management	11-10-2019	12-10-2019
Anupama Chadha / Pankaj	FDP on Android Programming	02-01-2020	04-01-2020
Anupama Chadha-Pankaj	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Sonal Pathak	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Sonia Setia	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Rashmi Agrawal	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Chitra Jalota	STTP on Effective Teaching	15-07-2019	19-07-2019
Neerja Negi	FDP on Advanced Data Science & its Applications	22-06-2020	26-06-2020
Parul Gandhi	FDP on Big Data Analytics	03-02-2020	07-02-2020
Parul Gandhi	FDP on GPU Programming using CUDA	10-02-2020	14-02-2020
Parul Gandhi	FDP on Latest Wireless and Computing Technologies	14-04-2020	18-04-2020
Parul Gandhi	FDP on Climate change, Disaster and Pandemic Management: Technological Interventions for Sustainable Development	20-04-2020	24-04-2020
Anupriya Jain	Faculty Development Program on Post-Pandemic Computational Sciences: Challenges and Opportunities	22-06-2020	28-06-2020
Neha Gupta	Online FDP on Blockchain	20-04-2020	24-04-2020
Sachin Sharma	Faculty Development Program on Post-Pandemic Computational Sciences: Challenges and Opportunities	22-06-2020	28-06-2020

Board of Faculty			
1	Dr. S.S. Tyagi	Professor and Dean - FCA	Chairman
2	Dr. Shaveta Bhatia	Professor & Head, Dept. of Computer Applications	Member
3	Dr. Parul Gandhi	Professor, Dept. of Computer Applications	Member
4	Dr. Sonal Pathak	Associate Professor, Dept. of Computer Applications	Member
5	Ms. Neerja Negi	Assistant Professor, Dept. of Computer Applications	Member
6	Dr. C.K. Nagpal	Professor, Deptt of Computer Science & Engg YMCA University of Science & Technology, Faridabad	External Member
7	Dr. Nanhay Singh	Prof and Head CSE Department, Ambedkar Institute of Advance Communication Technologies and Research	External Member

Board of Studies			
1	Dr. Shaveta Bhatia	Professor & Head Dept. of Computer Applications	Chairperson
2	Dr. S.S.Tyagi	Professor and Dean - FCA	Member
3	Dr. Rashmi Agarwal	Professor, Dept. of Computer Applications	Member
4	Dr. Parul Gandhi	Professor Dept. of Computer Applications	Member
5	Dr. Anupriya Jain	Associate Professor, Dept. of Computer Applications	Member
6	Dr. Sonia Duggal	Associate Professor. Dept. of Computer Applications	
7	Ms. Mridula batra	Assistant Professor, Dept. of Computer Applications	Member
8	Mr. Sidharth Verma	Assistant Professor, Dept. of Computer Applications	Member
9	Dr. Afsar Alam	Prof and Dean School of Engg, Science and Technology, Jamia Hamdard Univ, New Delhi.	External Member
10	Mr Sidharth Das	President and Co-Founder, Stratemis Pvt Ltd, Gurgaon.	External Member

3.5 FACULTY OF MEDIA & HUMANITIES

Departments

1. Department of Journalism and Mass Communication

2. Department of English

Admission Status:

Name of the Faculty	Departments	Student Intake		Total Admissions	
		UG	PG	UG	PG
Faculty of Media Studies and Humanities	BA - Journalism and Mass Communiction (BJMC)	75		68-70	
	BA (Hons) English	60		52	
	MA - Journalism and Mass Communiction (MJMC)		10		06
	MA - English		20		18
	PG Diploma in Advertising & Public Relations		10		6-3

Faculty of Media & Humanities (FMeH) 2019-20

List of Faculty Members:

Sr. No.	Name of the Faculty Member	Designation	Department
1	Maithili Ganjoo	Professor	Media Studies
2	Manoj Raut	Associate Professor	Media Studies
3	Abhishek Kumar Singh	Associate Professor	Media Studies
4	Suman Kumari	Associate Professor	Media Studies
5	Manisha Rathaur	Associate Professor	Media Studies
6	Dhiraj Arya	Assistant Professor	Media Studies
7	Diksha Bhashkar Bhatia	Assistant Professor	Media Studies
8	Pooja Gahrotra	Assistant Professor	Media Studies
9	Gaurav Shukla	Assistant Professor	Media Studies
10	Ankita Bharti	Assistant Professor	Media Studies
11	Somya Sharma	Assistant Professor	Media Studies
12	Rahul Joshi	Assistant Professor	Media Studies
13	Mithali Mohanty	Assistant Professor	Media Studies
14	Geetika Vashishata	Assistant Professor	Media Studies

Sr. No.	**Name of the Faculty Member**	Designation	**Department**
1	Shivani Vashist	Professor	English
2	Sujata	Associate Professor	English
3	Jyoti Sharma	Associate Professor	English
4	Suchitra Vashisth	Associate Professor	English
5	Dinesh Kumar Gautam	Associate Professor	English
6	Swati Chauhan	Associate Professor	English
7	Tripti	Assistant Professor	English
8	Jayashree Hazarika	Assistant Professor	English

Departments at a Glance:

1. *Department of English*

A. Thrust Area

- Research on diverse areas like Diaspora writings, Feminism, Post colonial Literature, Indian English Novels, Confessional Poetry, Mythology, Modern and Post Modern Literature

- UG and PG programs running with a robust and extensive syllabus

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Career Options for Students of English	45
Just Grab the Opportunity Open Before You"- A Talk on Career Opportunity for the Young Graduates	50
Group Discussion – Gearing up for Job Interview	20
Career Counselling – Students' career related Queries	35

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution Joined	Admitted to (Name of Programme)
Ginika Aggarwal	Bachelor of Arts (Hons) - English	Institute of Teacher's Educations	Bachelor of Education
Jasmine Joice	Bachelor of Arts (Hons) - English	Amity University	Bachelor of Education
Mehnaaz Rehman	Bachelor of Arts (Hons) - English	Jamia Millia Univeristy	M A English
Palak Gupta	Bachelor of Arts (Hons) - English	Amity University	Master of Business Administration
Ambika	Bachelor of Arts (Hons) - English	Chandigarh University	Master of Business Administration
Jyotsna Chaudhary	Bachelor of Arts (Hons) - English	Manav Rachna International Institute of Research and Studies, Faridabad	MA English
Shivangi Jain	Bachelor of Arts (Hons) - English	Manav Rachna International Institute of Research and Studies, Faridabad	MA English
Pooja Saini	Bachelor of Arts (Hons) - English	Manav Rachna International Institute of Research and Studies, Faridabad	MA English
Niyati Sharma	Bachelor of Arts (Hons) - English	Manav Rachna International Institute of Research and Studies, Faridabad	MA English

Divyani Sharma	Master of Arts - English	Manav Rachna International Institute of Research and Studies, Faridabad	Doctorate of Philosophy
Manbir Singh	Master of Arts - English	Manav Rachna International Institute of Research and Studies, Faridabad	Doctorate of Philosophy
Riya Tanwar	Master of Arts - English	Manav Rachna International Institute of Research and Studies, Faridabad	Doctorate of Philosophy
Chinar Khatri	Bachelor of Arts (Hons) - English	Manav Rachna International Institute of Research and Studies, Faridabad	MA English
Himanshi Bhadana	Bachelor of Arts (Hons) - English	Manav Rachna International Institute of Research and Studies, Faridabad	MA English

Student's Awards:

Details	Award	National / International	Name	Roll No.
IIT Kharagpur	First Position in SF Idol	National	Kundan Ranbir	17-FMeH-BA-ENG-053

Cultural Activities: 2019-20

Award / medal	National / International	Activities	Student Name
First Postion at S. F.Idol – IIT Kharagpur - Solo Music	National	S. F. Idol Particiaption at IIT- Kharagpur	Kundan Ranveer
First Position	National	International Institute of Hotel Mamagement	Kundan Ranveer

Students qualifying in State/ National / International Level examinations during the year: 2019-20

Name	Roll No	Exam Cleared	Registration No.
Manbir Singh	18-FMEH-MA(ENG) - 006	NET	HR0551000200

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Poster Making Competition: Life during Lockdown	30-06-2020	41	Dr. Tripti Tyagi, Assistant Professor, Department of English
Group Discussion on Corona Virus	19-02-2020	18	Dr. Jayashree Hazarika, Assistant Professor
Dramatic Presentation of Scenes through the Looking Glass	12-02-2020	33	Dr. Jyoti Sharma, Associate Professor
Literary Quiz on the Twentieth Century in British Literature	05-02-2020	39	Dr. Tripti Tyagi, Assistant Professor
Skill Enhancement Presentations on Environment	03-02-2020	29	Department of English
Group Presentation on English Literature down the Ages	13-11-2019	35	Department of English

Academic Achievements

Faculty Achievements:

Number of books and chapters in edited volumes / published:

Name of the teacher	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International
Shivani Vashist	The UNPR Electronics and Communication Engineering dented Voices of Subalterns in Amitav Ghosh's Novels	"Resistance and Assimilation: Voices of the Subalterns"	International Conference on "Resistance and Assimilation: Voices of the Subalterns"	International
Shivani Vashist	Voice of the Voiceless: A Critical Study on the issue of Untouchability and Gender Inequality	"Resistance and Assimilation: Voices of the Subalterns"	International Conference on "Resistance and Assimilation: Voices of the Subalterns"	International
Shivani Vashist	Plight and Protest of Tess and Nora: A Study of Women in Patriarchal Society	International Conference on Women's Empowerment, Laws, Feminism, Gender	International Conference on Women's Empowerment, Laws, Feminism, Gender	International

	Women in Haryana Politics	Discrimination, Gender Space and Women's Leadership: Issues and Challenges in 21st Century	Discrimination, Gender Space and Women's Leadership: Issues and Challenges in 21st Century	
Shivani Vashist	Exploration of Subaltern Consciousness In the Novel Dahan: The Burning of Suchitra Bhattacharya"	"Resistance and Assimilation: Voices of the Subalterns"	International Conference on "Resistance and Assimilation: Voices of the Subalterns"	International
Jyoti Sharma	Crisis of Identity: The Pivotal theme Hinging Lowell's Skunk Hour and The Dolphin"	"Resistance and Assimilation: Voices of the Subalterns"	International Conference on "Resistance and Assimilation: Voices of the Subalterns"	International
Jayashree Hazarika	"The Socio-Cultural Identity of Subalterns through the Works of Devdutt Pattanaik"	"Resistance and Assimilation: Voices of the Subalterns"	International Conference on "Resistance and Assimilation: Voices of the Subalterns"	International
Jayashree Hazarika	"Sashi Deshpande's Ideology and the Subaltern Term"	"Resistance and Assimilation: Voices of the Subalterns"	International Conference on "Resistance and Assimilation: Voices of the Subalterns"	International
Sujata	"An Ear to the unheard subalterns: A Comparative Study of Mulk Raj Anand's Untouchable and Arundhati Roys The God of Small Things	"Resistance and Assimilation: Voices of the Subalterns"	International Conference on "Resistance and Assimilation: Voices of the Subalterns"	International
Sujata	"Speaking for the Voiceless: Carrying Forward The Legacy of Kabir in Kazi Nazrul 's The Rebel"	"Resistance and Assimilation: Voices of the Subalterns"	International Conference on "Resistance and Assimilation: Voices of the Subalterns"	International

Sujata	"The Passive 'New Woman' in William Carols Williams Poems"	"Resistance and Assimilation: Voices of the Subalterns"	International Conference on "Resistance and Assimilation: Voices of the Subalterns"	International
Sujata	"Unheard Voices of Women in Indian Mythology: Exploring the Plight of Sita and Shakuntala""	"Resistance and Assimilation: Voices of the Subalterns"	International Conference on "Resistance and Assimilation: Voices of the Subalterns"	International

Faculty members: Awards & Recognitions: 2019-20

Name of Faculty Member	Awards-Recognition
Shivani Vashist	Best Researcher Award - SRM Institute of Science & Technology, Ramapuram Campus, Chennai. (5-10-2019)

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Shivani Vashist	22nd General Congress of ICLA at University of Macau, China	29-07-2019	02-08-2019
Shivani Vashist	FDP on Language in the Time of COVID-19	25-06-2020	30-06-2020
Swati Chauhan	FDP on Advanced English for Academic Delivery in Specific Stream	08-06-2020	12-06-2020

EVENTS ORGANISED: 2019-20

Title	From	To
International Conference - Resistance and Assimilation: Voices of the Subalterns	30-01-2020	30-01-2020
Workshop on Gender Equality and Women's rights	11-03-2020	11-03-2020

2. Department of Journalism & Mass Communication

Thrust Area:

The Department of Journalism and Mass Communication established in 2007 offers courses at Bachelor, Post graduate and Doctoral levels, in Media Studies with focus on Journalism and Mass Communication including Advertising, Public Relations and Corporate Communication, Film production, Social Media Design and Development Communication. The Department has an in-house TV studio, Community radio station and dedicated labs to train students in the latest AR, MR and VR innovations that are impacting the news and entertainment industry. These media labs have state-of-the-art equipment and latest software to provide hands-on training to design and produce for different media like print, radio, television and video production.The Department has robust research capabilities, research project on development communication, and sponsored workshops.

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Anchor and its Responsibilities	40
Is Media Losing Its credibility: The challenges of being heard	45
Career Prospects: Journalism in the Times of Covid-19	46
Career Counseling on 'Experiential Marketing'	40
Challenges in Media Industry for Beginners	40
Job Opportunities in Media Industry	87
Expert Lecture on Maintaining Strong Career in MNC's with help of Financial Management	87

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
V Jay Shankar	Bachelor of Journalism & Mass Communication	Indira Gandhi National Open University	MA Journalism & Mass Communication
Yogesh Sejwal	Bachelor of Journalism & Mass Communication	Manav Rachna International Institute of Research and Studies, Faridabad	MA Journalism & Mass Communication
Rishu Pal	Bachelor of Journalism & Mass Communication	Manav Rachna International Institute of Research and Studies, Faridabad	MA Journalism & Mass Communication

Ayush Bhardwaj	Bachelor of Journalism & Mass Communication	Indira Gandhi National Open University	MA Journalism & Mass Communication
Swapnil Choudhary	Bachelor of Journalism & Mass Communication	Indira Gandhi National Open University	MA Journalism & Mass Communication
Bhoomi Kathuria	Bachelor of Journalism & Mass Communication	JC Bose YMCA University of Science & Technology	MA Journalism & Mass Communication
Anshul Bhardwaj	Bachelor of Journalism & Mass Communication	JC Bose YMCA University of Science & Technology	MA Journalism & Mass Communication

Student's Awards: 2019-20

Award- medal	National-International	Activities	Student Name
Second Position at Theatrix-Stage Play by Paigam- Theater Society	National	Particiaption at Annual Cultural Fest (IIT)	Ashish Kumar
Second Position at Theatrix-Stage Play by Paigam- Theater Society	National	Particiaption at Annual Cultural Fest (IIT)	V Jay Shankar
Second Position at Theatrix-Stage Play by Paigam- Theater Society	National	Particiaption at Annual Cultural Fest (IIT)	Yateen Kumar
Second Position at Theatrix-Stage Play by Paigam- Theater Society	National	Particiaption at Annual Cultural Fest (IIT)	Tushar Kaushik
First Position at Fashion Walk	National	Annual Cultural Fest-Oasis'19 (BITS pilani)	Srida
First Position at Street Dance	National	Annual Cultural Fest-Thomso'19 (IIT Roorkee)	Deepak Sharma
First Position at Street Dance	National	Annual Cultural Fest-Thomso'19 (IIT Roorkee)	Gaurav Sansanwal
Second Position at Battle of Bands	National	Annual Cultural Fest-VIPS 2019	Aryaman
First Position Winner at Mono Act	National	Stagers by Operose	Parth Sharma

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)

Awareness on the Role of Yoga in enhancing Immunity in times of COVID-19	20-06-2020	40	Department of Journalism & Mass Communication
Online Streaming services affecting the TV Industry	05-02-2020	40	Dr. Geoffrey Davies, University of Westminster, UK
Understanding on FM Broad Casting	26-11-2019	60	R J Abhishek, Radio Mirchi
Vaad-vivaad Intra University Competition	30-09-2019	50	Department of Journalism & Mass Communication
Bhasha - The Language of Television	18-09-2019	43	Dr. Harish Chander Burnwal, Vice President, Blue Craft Digital Foundation
Cinema Quiz	18-09-2019	47	Department of Journalism & Mass Communication
Adobe Indesign Workshop	17-09-2019	45	Mr. Umesh Kumar, Senior Graphic Designer NavBharat Times
'Abhimanch'- A Theatre Workshop	21-08-2019	120	Department of Journalism & Mass Communication

Academic Achievement:

Faculty Awards & Recognitions:

Faculty Name	Details
Dr. Manisha Rathaur	Invited Session Chair at National Seminar (Legacy of Dr. B.R. Ambedkar in Media: Analysis and Impact) Central Government Kalindi College. (20th Aug. 2019)
Dr. Maithili Ganjoo	Invited Resource Person to deliver a master class on Consumer Behavior, Manipal Institute of Communication in online mode (3rd Nov. 2020)

EVENTS ORGANISED: 2019-20

Title	From	To
Training on 'FM Broadcasting'	26-11-2019	26-11-2019
Workshop on 'The Role of Social Media in Intercultural Communication and Public Diplomacy'	13-01-2020	13-01-2020

FDPs attended by faculty members: 2019 - 20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Maithili Ganjoo	FDP on Artificial Intelligence	22-05-2020	26-05-2020
Maithili Ganjoo	National Workshop on Interdisciplinary	08-06-2020	12-06-2020

	Research Methodology, ICT Applications & Innovations in Teaching Learning Process		
Manoj Raut	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Abhishek Kumar Singh	FDP on Artificial Intelligence	22-05-2020	26-05-2020
Somya Sharma	FDP & MDP on Academic Enhancement on Research Methodology	26-06-2020	29-06-2020
Somya Sharma	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Mithali Mohanty	FDP & MDP on Academic Enhancement on Research Methodology	26-06-2020	29-06-2020
Mithali Mohanty	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Geetika Vashishata	FDP & MDP on Academic Enhancement on Research Methodology	26-06-2020	29-06-2020
Geetika Vashishata	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Suman Kumari	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020

3.6. FACULTY OF MANAGEMENT STUDIES

1. Department of Management Studies
2. Department of Hotel Management

Admission Status:

Name of the Faculty	Programme	Student Intake		Total Admissions	
		UG	PG	UG	PG
Faculty of Management Studies	Masters in Business Administration (MBA)		150		101-96
	B.Sc. Hospitality and Hotel Administration	45		42	

Faculty of Management Studies (FMS) 2019-20

List of Faculty Members:

Sr. No.	Name of the Faculty Member	Designation	Department
1	Sanjay Srivastava	Professor	Management
2	Rajat Gera	Professor	Management
3	Anil Sarin	Professor	Management
4	Amit Seth	Professor	Management
5	Anindita Chatterjee Rao	Professor	Management
6	Deepti Dabas Hazarika	Professor	Management
7	Surbhi Kapur	Professor	Management
8	Bhavesh Prakash Joshi	Professor	Management
9	Priyanka Singh	Associate Professor	Management
10	Farhat Mohsin	Associate Professor	Management
11	Gautam Srivastava	Associate Professor	Management
12	Meghna Chhabra	Associate Professor	Management
13	Amandeep Dhaliwal	Assistant Professor	Management
14	Stuti Sahni	Assistant Professor	Management
15	Shilpa Arora	Assistant Professor	Management
16	Gunjan Kathuria	Assistant Professor	Management
17	Sahil Malik	Assistant Professor	Management
18	Ridhi Khattar	Assistant Professor	Management

Sr. No.	Name of the Faculty Member	Designation	Department
1	Sushil Kumar Saluja	Professor	Hotel Management
2	Nandini Srivastava	Professor	Hotel Management
3	Narender Suhag	Associate Professor	Hotel Management
4	Rekha Maitra	Associate Professor	Hotel Management
5	Kunal	Assistant Professor	Hotel Management
6	Ritika Singh	Assistant Professor	Hotel Management
7	Syed Najmus Saqib	Assistant Professor	Hotel Management
8	Bakul Govil	Assistant Professor	Hotel Management
9	Nikita Tomar	Assistant Professor	Hotel Management
10	Prachi	Assistant Professor	Hotel Management

Departments at a Glance:

1. Department of Management Studies

Thrust Area

- Sustainable Business Practices
- Women Entrepreneurship
- Student Skill Enhancement
- Project based-Peer Learning
- Industry-Global Outreach

Academic Achievements

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Scenario Planning for Budding Managers Post COVID 19	62
Orientation Session for Selection of Specialization for Successful Career	91
Career and Role of a Publicist in Managing Corporate Communications in Healthcare Sector	6
Career Path for Bridging Gap between the Industry and Academia	84
Career Opportunities in Solid Waste Management Sector	88
Expert Session on Creativity and Entrepreneurship as a Career Choice	86
Expert talk on Retail and Consumer Behavior for a Successful Marketing Career	87
Expert Lecture: MBA and Career	74
Expert Lecture: Understanding People for Life and Career	66
Expert Lecture: On How to be Corporate Warriors for Career Growth	69
Session for Employabiity under current Education System : Industry Sessions for career Guidance	89

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)

International Webinar - The Business of e - Sports	24-04-2020	32	Mr Loknath Char; Sports Business Strategist and Consultant
Importance of Sports	28-02-2020	42	Ms. Ridhi Khatter, Assistant Professor, Management & Studies
Panel discussion on Adoption of Technology	10-03-2020	26	Ms. Ridhi Khatter, Assistant Professor, Management & Studies
Expert Lecture on use of IT for Global Markets	17-02-2020	56	Prof. Nimay Kalyani, Head- International Relations (South Asia) at the Faculty of Business and Law (FBL) , University f Newcastle Australia
Session on Online Radio - The New Way of Listening to Music	07-02-2020	45	RJ Bhavna Sharma, from Radio Manav Rachna 107.8, Mr. Nitesh Shankar, AGM, Career Skills & Chairperson
Awareness on Digital Marketing Skill	29-01-2020	55	Ms. Priyanka Gera CEO, Aprobacian & Team from Ducat

Student's Achievments:

Publications:

Title of Paper	Authors	Student Author	Journal Name / Conference	Year
Women Entrepreneuship - Challenges in the Present Competitive and Digital Era	Neha Bhardwaj, Shilpa Arora, Gunjan Shrivastava	Neha Bhardwaj	International Journal of Innovative Sciences and Research Technology	2019-20
Review of Health Insurance in India	Neha Bhardwaj, Shilpa Arora	Neha Bhardwaj	Our Heritage	2019-20
Employee Satisfaction in Public Sector Units in Emerging Economies	Priyanka Rani, Amandeep Dhaliwal	Priyanka Rani	Tathapi	2019-20
The Rise of e-sports: How it Changed the World?	Weing Kham Chakhap	Weing Kham Chakhap	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Mere access is not Enough, Bridging the Second Level Digital Divide in India	Amit Sharma, Rumi Ray and Manu Sharma	Amit Sharma, Rumi Ray and Manu Sharma	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th - 25th, 2020)	2019-20
A Study on the Changing Facet of Indian Infrastructure Industry	Bhavesh Prakash Joshi, Ashish Pansari and Mayank Jain	Ashish Pansari and Mayank Jain	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20

Study on Customer Satisfaction In Banking Sector	Anjali Gupta, Ambika Dixit, Sakshi Sharma Sakshi Seth	Anjali Gupta, Ambika Dixit, Sakshi Sharma Sakshi Seth	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Global Warming	Kajal Singh, Bhavya Sharma, Jatin Bindal, Prashant Gautam	Kajal Singh, Bhavya Sharma, Jatin Bindal, Prashant Gautam	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Neuro Marketing	Nishita Garg, Nipun Gupta, Mansi Gupta, Sachin Bhardwaj, Rajat Mangla, Ashish Pansari	Nishita Garg, Nipun Gupta, Mansi Gupta, Sachin Bhardwaj, Rajat Mangla, Ashish Pansari	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
An Exploratory Study of the Mompreneur Phenomenon: The way ahead	Yashika Vatsa and Amandeep Dhaliwal	Yashika Vatsa	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Indian technology Market : Development sustainability and Future growth	Raghu Jee	Raghu Jee	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
A study on Current Development in Education Center In india	Sher Mohammad, Mayank Garg, Krishan Tewatia, Lakshay Jit Singh	Sher Mohammad, Mayank Garg, Krishan Tewatia, Lakshay Jit Singh	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Speedy Innovation	Priyanka Verma, Tarun Kushwaha and Sahil Malik	Priyanka Verma, Tarun Kushwaha	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Failure (Donot Feel Bad about Unfulfilled Dreams)	Nancy Singh, Jasmin Kaur, Kratika Gupta, Piyush Phogat Himanshi Sharma	Nancy Singh, Jasmin Kaur, Kratika Gupta, Piyush Phogat Himanshi Sharma	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Conflict Management	Manpreet Yadav, Jyoti Yadav, Prarit Saxena, Varun Malik	Manpreet Yadav, Jyoti Yadav, Prarit Saxena, Varun Malik	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Motivation and effective Performance of Academic Staff in Higher Education	Praveen Sharma, Udit Kumar, Deepak Kumar Singh and Shefali Saxena	Praveen Sharma, Udit Kumar, Deepak Kumar Singh and Shefali Saxena	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Creativity assessment among students	Yukti Gambhir, Priya Dalal, Chandrika Kumari, Ashish Goyal and Nidhi Baghel	Yukti Gambhir, Priya Dalal, Chandrika Kumari, Ashish Goyal and Nidhi Baghel	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20

Fostering Innovation	Divya Rustagi, Divyanshi, Neetu, Vibhav, Vardaan	Divya Rustagi, Divyanshi, Neetu, Vibhav, Vardaan	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Agriculture	Vikas Kumar Jha, Vidhusha, Abhilash, Himani	Vikas Kumar Jha, Vidhusha, Abhilash, Himani	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Innovation in Banking sector A case study of HDFC Bank	Neha Bhardwaj, Meghna Chhabra, Shilpa Arora	Neha Bhardwaj	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Study on Customer Satisfaction in Banking Sector	Anjali Gupta, Ambika Dixit, Sakshi Sharma and Sakshi Seth	Anjali Gupta, Ambika Dixit, Sakshi Sharma and Sakshi Seth	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Intrinsic and Extrinsic motivation	Vishal Yadav, Prince, Shubham Sharma, Pawan, Satish Abrol	Vishal Yadav, Prince, Shubham Sharma, Pawan, Satish Abrol	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
A Study on Stress Management among Youth	Simran Kaur, Vikas Dalal and Monika Yadav	Simran Kaur, Vikas Dalal and Monika Yadav	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
An Exploratory Study of factors for Delhi-NCR as a medical tourism Destination	Dikha Gupta, Deepti Dabas, Jigyasa, Rohit, Rajeev, Vishal	Dikha Gupta, Jigyasa, Rohit, Rajeev, Vishal	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Study on the Emotion Health of Women	Mayank Jain, Sourav Singh, Eshan Saraf and Priyanka Gera	Mayank Jain, Sourav Singh, Eshan Saraf and Priyanka Gera	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Use of Social Media Lower-Self Esteem of Individual	Shikha Raut, Tanya Jindal, Anjali Dagar and Ruchi Ojha	Shikha Raut, Tanya Jindal, Anjali Dagar and Ruchi Ojha	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Reading Habits and its importance in the present digital era	Jyotsna Sharma, Harsimran Kaur, Poonam Sharma and Shivangi Agarwal	Jyotsna Sharma, Harsimran Kaur, Poonam Sharma and Shivangi Agarwal	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20
Customer Satisfaction of Home Appliances	Shagun, Naman, Monika, Shivani, Achala	Shagun, Naman, Monika, Shivani, Achala	Conference: MRCON: Building Sustainable Competitive Edge (Feb. 24th – 25th, 2020)	2019-20

Faculty members: Awards & Recognitions: 2019-20

Name of Faculty Member	Awards-Recognition
Bhavesh Prakash Joshi	Special Invitee for Conclave on Redefining Management Research in India, ICSSR, New Delhi. (17-02-2020)
Bhavesh Prakash Joshi	Invited Session Chair for Technical Session at 11th National Conference (NACCMAR 2020) at Apeejay School of Management, Dwarka, New Delhi. (06-03-2020)
Deepti Dabas Hazarika	Invited resource person for Technical Session at National Conference on Business and Management at Haryana School of Business, Guru Jambheshwar University of Science and Technology. (6th - 7th Feb, 2020)
Amandeep Dhaliwal	Invited Speaker to deliver Lecture on "Scope of Marketing an d Enhancing the Marketing Skill of Small Farmers" (06-03-2020)
Farhat Mohsin	Appreciation letter for being a panelist for discussion on the topic "New Age Marketing Strategies vs Traditional Marketing Strategies" during the Annual Technical Fest. (11-02-2020)
Meghna Chhabra	Awarded Grant of Rs. 10 Lakh for Project: Antecedents Leading to Capacity Building of Women Entrepreneurs: A Study with Reference to Women Entrepreneurs from Delhi-NCR. (08-07-2019)
Meghna Chhabra	Invited Session Chair for Technical Session -"International Conference on Happiness Performance Management in Modern Globalised Business Scenario" at Rukmini Devi Institute of Management Studies. (21st & 22nd Dec., 2019)
Ridhi Khattar	Letter of Gratitude for being a Resource Person at Faculty Development Program on "Contemporary issues in Management Accounting and Performance Management" at Graphic Era Hill University, Dehradun. (30th -31st Jan, 2020)
Ridhi Khattar	Invited Resource person during Faculty Development Program on Contemporary issues in Management Accounting at Manipal University, Jaipur. (07-02-2020)
Priyanka Singh	Invited Speaker to deliver Lecture on "Marketing Panel Discussion" during the Webinar on "Crafting Transformative Information" under Plantech Media House. (19-06-2020)
Priyanka Singh	Invited Speaker for delivering Lecture on "Digital Marketing and Social Networking" during the Sessions under *Kaushal Setu*- Connecting Teachers and Students, Shri Vishwakarma Skill University. (11-05-2020)
Rajat Gera	Invited Speaker to deliver a Lecture on "Evaluation of Linkages of Perceived Service Quality with Customer Loyalty related Behavioural Intentions in Retail Banking" during 12th International Conference on Management and Service Science (MASS 2019) at Guilin China (26th -28th October, 2019)

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Bhavesh Prakash Joshi	FDP on Business Strategies for the VUCA World	22-02-2020	29-02-2020
Stuti Sahni	FDP on Business Strategies for the VUCA World	22-02-2020	29-02-2020
Shilpa Arora	FDP on Business Strategies for the VUCA World	22-02-2020	29-02-2020
Amandeep Dhaliwal	FDP on Business Strategies for the VUCA World	22-02-2020	29-02-2020
Deepti Dabas Hazarika	FDP on Business Strategies for the VUCA World	22-02-2020	29-02-2020

Priyanka Singh	FDP on Business Strategies for the VUCA World	22-02-2020	29-02-2020
Meghna Chhabra	Qualitative Research Using NVivo	13-04-2020	17-04-2020
Farhat Mohsin	FDP on Business Strategies for the VUCA World	22-02-2020	29-02-2020
Anindita Chatterjee Rao	FDP on Business Strategies for the VUCA World	22-02-2020	29-02-2020
Gautam Srivastava	FDP on Business Strategies for the VUCA World	22-02-2020	29-02-2020
Surbhi Kapur	FDP on Business Strategies for the VUCA World	22-02-2020	29-02-2020
Ridhi Khattar	FDP on Business Strategies for the VUCA World	22-02-2020	29-02-2020
Sahil Malik	FDP on Business Strategies for the VUCA World	22-02-2020	29-02-2020

EVENTS ORGANISED: 2019-20

Title	From	To
Workshop on Qualitative Research using Nvivo	08-11-2019	08-11-2019
Workshop on Behavioral Finance	29-09-2019	29-09-2019
Round Table: Solid Waste Management and Social Entrepreneurship	14-10-2019	16-10-2019
Training Session on Nvivo and e-views	16-01-2020	18-01-2020
FDP on Business Strategies for the VUCA World	22-02-2020	29-02-2020
Training Session on Teaching with Cases	21-05-2020	21-05-2020
Workshop on Redefining Management Research in India	10-06-2020	10-06-2020

2. *Department of Hotel Management Studies*

Thrust Area

- Experiential Learning
- Entrepreneurship
- Industry exposure through visits
- Culinary competitions
- Visits to exclusive hospitality events

Future Planning

- Better Integration of Restaurant with the Kitchen.
- Organise Hospitality Conferences and Workshops in our University.
- Participate for Culinary Competitions.
- Research and Innovation for Faculty and Students.

Academic Achievements

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Nikita Tomar	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Ritika Singh	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Prachi	FDP on Personal Leadership Course	04-05-2020	06-05-2020
Prachi	International Webinar on Role of Academicians and Tourism & Hospitality Professionals in Post Covid Scenarios	04-06-2020	05-06-2020
Prachi	Webinar on Hospitality & tourism Post Covid 19 - Opportunities & Challenges	09-06-2020	13-06-2020

EVENTS ORGANISED: 2019-20

Title	From	To
Workshop on International Housekeeping Week	09-09-2019	13-09-2019
FDP on Basics of Research Methodology	20-02-2020	20-02-2020
Workshop on Sommelier in collaboration with Algonquin College, Canada	13-05-2020	13-05-2020
Workshop on Event Management in collaboration with Algonquin College, Canada	14-05-2020	14-05-2020
Workshop on Food & Nutrition Management in collaboration with Algonquin College, Canada	15-05-2020	15-05-2020

3.7 FACULTY OF BEHAVIORAL & SOCIAL SCIENCES

Department:

- Applied Psychology
- Economics

Admission Status:

Name of the Faculty	Programme	Student Intake		Total Admissions	
		UG	PG	UG	PG
Faculty of Behavioral and Social Sciences	BA - B.Sc. Applied Psychology	60		51	
	BA (Hons) Economics	30		26	
	BA Liberal Arts	15		09	
	Bachelor of Liberal Arts	15-10		9-1	
	MA - M.Sc. - Applied Psychology		25		23
	MA - Economics		10		07
	Master of Social Work		10		06

Faculty of Behavioral & Social Sciences (FBSS) 2019-20

List of Faculty Members:

Sr. No.	Name of the Faculty Member	Designation	Department
1	Chavi Bhargava Sharma	Professor	Applied Psychology
2	N.K. Chadha	Professor	Applied Psychology
3	Kaushlendra Mani Tripathi	Associate Professor	Applied Psychology
4	Anandajit Goswami	Associate Professor	Applied Psychology / SPS
5	Jayant P V Sundaresan	Assistant Professor	Applied Psychology
6	Shatarupa Chakraborty	Assistant Professor	Applied Psychology
7	Ashna Gupta	Assistant Professor	Applied Psychology
8	Swati	Assistant Professor	Applied Psychology
9	Bhavyanshi Gupta	Assistant Professor	Applied Psychology
10	Pratichi Majumdar	Assistant Professor	Applied Psychology / SPS
11	Prashant Chaudhary	Assistant Professor	Applied Psychology / SPS
12	Charu Tayal	Assistant Professor	Applied Psychology / SPS
13	Nipuna Singh	Assistant Professor	Applied Psychology
14	Nandini Biswas	Assistant Professor	Applied Psychology

Sr. No.	Name of the Faculty Member	Designation	Department
1	Nimai Dass	Associate Professor	Economics
2	Preeti Singh	Assistant Professor	Economics
3	Shaveta Sachdeva	Assistant Professor	Economics
4	Priya Vij	Assistant Professor	Economics

Departments at a Glance:

1. Department of Applied Psychology

Thrust Area

- Counselling
- Research
- Training

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of Institution Joined	Admitted to (Name of Programme)
Mahima Pilwan	B.A. (Applied Psychology)	Amity University	Master of Arts (Psychology)
Manya Uberoi	B.A. (Applied Psychology)	Geroge Brown College	Ausitm and Behavioural Science
Mona Bhati	B.A. (Applied Psychology)	Amity University	Master of Arts (Psychology)
Sushmita Dindwal	B.A. (Applied Psychology)	Indira Gandhi National Open University	Master of Arts (Psychology)
Tanya Walecha	B.A. (Applied Psychology)	Algonquin College	Human Resource Management
Muskan Arora	B.A. (Applied Psychology)	Punjab University	Master of Arts (Psychology)
Reetika Monga	B.A. (Applied Psychology)	Amity University	Master of Arts (Psychology)
Sakshi Bhowmik	B.A. (Applied Psychology)	Indira Gandhi National Open University	Master of Arts (Psychology)
Akshima	B.A. (Applied Psychology)	Maharishi Dayanand University	Diploma in Guidance & Counseling
Himani Khatter	B.A. (Applied Psychology)	Amity University	Master of Arts (Psychology)
Srinjoy	B.A. (Applied Psychology)	Amity University	Master of Science (Clinical Psychology)
Deepak	B.A. (Applied Psychology)	Manav Rachna International Institute of Research and Studies, Faridabad	Master of Business Administration
Nivedita Mirgan	B.A. (Applied Psychology)	Chandigarh University	Master of Arts (Clinical Psychology)
Rahul Verma	B.A. (Applied Psychology)	Chandigarh University	Master of Arts (Clinical Psychology)

Cultural Activities:2019-20

Award / Medal	National / International	Activities	Student Name
Best Exhibiters Award	National	Participation at Shri Ram College of Commerce	Ria Aggarwal
Best Exhibiters Award	National	Participation at PGDAV	Ria Aggarwal
First Position at Fashion Walk	National	Annual Cultural Fest-Oasis'19 (BITS Pilani)	Divyansha
First Position at Fashion Walk	National	Annual Cultural Fest-Oasis'19 (BITS Pilani)	Medhavani
First Position at Street Dance	National	Annual Cultural Fest-Thomso'19 (IIT Roorkee)	Varsha
Third Position in Art Exhibition	National	Abhivyakti'19 Art Exhibition DTU	Ria Aggarwal
First Position in Fashion Show	National	Annual Cultural Fest Rawal Institutions RawFest 2K20	Divyansha

Academic Achievement:

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Swati	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Anandjit Goswami	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020

Students Awards:

Name of the event	Name of the Award / Medal	Team / Individual	Inter / University / State / National / Inter- national	Name of the student	Student ID number
Participation at Shri Ram College of Commerce	Best Exhibiters Award	Team	National	Ria Aggarwal	17-fbss-ba(app)psy - 020
Abhivyakti' 19 Art Exhibition DTU	Third Position	Team	National	Ria Aggarwal	17-fbss-ba(app)psy - 020

2. Department of Economics

Thrust Area

- Research
- Development and Consultency

Academic Achievement:

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Webinar on Future Prospects in Degree of Economics	44

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Priyanka Chadha	Bachelor of Arts (Hons) - Economics	Punjab University, Chandigarh	MA Economics
Siddhi Arora	Bachelor of Arts (Hons) - Economics	Maharishi Dayanand University	Bachelor of Education
Akshit Uberoi	Bachelor of Arts (Hons) - Economics	Fanshawe College London	Insurance & Risk Management
Jatin Taneja	Bachelor of Arts (Hons) - Economics	Berlin School of Economics & Law	International Economics

Students qualifying in State/ National / International Level examinations during the year: 2019-20

Name	Roll No	Exam Cleared	Registration No.
Shantanu Rtra	16-FCBS-BA(ECO)-005	IELETS	K0110712
Vageesh Ahuja	16-FCBS-BA(ECO)-008	IELETS	N5484633
Akshit Uberoi	17-FBSS-BA(ECO)-002	IELETS	L9863101

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date from	Date to
Shaveta Sachdeva	FDP on Managing Online classes and Co-Creating MOOCS: 2.0	18-05-2020	03-06-2020
Shaveta Sachdeva	Workshop on Statistical Package for the Social Science (SPSS)	25-05-2020	31-05-2020
Priya Vij	FDP on Managing Online classes and Co-Creating MOOCS: 2.0	18-05-2020	03-06-2020
Priya Vij	Workshop on Research Methodology on BEFSI Sector	08-06-2020	12-06-2020

3.8 FACULTY OF ARCHITECTURE & DESIGN

Department:

- Architecutre & Design

Admission Status:

Name of the Faculty	Programme	Student Intake	Total Admissions
		UG	UG
Faculty of Architecture & Design	Bachelor of Architecture (B.Arch)	40	10
	B.Sc.-Interior Design	40	31-30

Faculty of Architecture & Design (FAD) 2019-20

List of Faculty Members:

Sr. No.	Name of the Faculty Member	Designation	Department
1	Sanjeev Gupta	Professor	Architecture & Design
2	Sanjay Surya	Professor	Architecture & Design
3	Dinesh Bhardwaj	Professor	Architecture & Design
4	Vishal Prabhakar	Associate Professor	Architecture & Design
5	Saket Jain	Associate Professor	Architecture & Design
6	Dharmendra Bhogal	Assistant Professor	Architecture & Design
7	Javed Sarosh Zaidi	Assistant Professor	Architecture & Design
8	Anika Singh	Assistant Professor	Architecture & Design
9	Hitesh Kumar	Assistant Professor	Architecture & Design
10	Deepti Gaur	Assistant Professor	Architecture & Design
11	Shabeena	Assistant Professor	Architecture & Design
12	Smriti Saigal	Assistant Professor	Architecture & Design
13	Nida hassan	Assistant Professor	Architecture & Design
14	Deepesh Jai Singh	Assistant Professor	Architecture & Design
15	Ishita Jindal	Assistant Professor	Architecture & Design
16	Jyoti Sharma	Assistant Professor	Architecture & Design

Departments at a Glance:

1. Faculty of Architecture & Design

Thrust Area

- Architectural History and Theory
- Seismic considerations for Buildings
- Hospital Architecture
- Sustainable Design and Urbanism
- Energy Efficient Architecture
- Design of Learning Environments
- Architectural Education
- Vernacular Studies

Department of Interior Design

Thrust Area

- Socially relevant Innovation
- Eco-friendly Lighting Solutions
- Sustainable Design.

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Career Prospects in Urban Scenarios for Architect and Designers	22
Role of Architect in Nation Building	22

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of Institution Joined	Admitted to (Name of Programme)
Divya Tyagi	Bachelor of Science – Interior Design	Manav Rachna International Institute of Research and Studies, Faridabad	MS Interior Design
Neha Yadav	Bachelor of Science – Interior Design	Manav Rachna International Institute of Research and Studies, Faridabad	MA Interior Design

Students qualifying in State / National / International Level examinations during the year: 2019 - 20

Name	Roll No	Exam Cleared	Registration No.
Tushalika Shishodia	1-14-FPA-BARCH-1-019	GATE	AR20S38010296
Banashree Garai	1-14-FPA-BARCH-1-005	GATE	AR20S33004191

FDPs attended by faculty members: 2019 -20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Sanjay Surya	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Anika Singh	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Shabeena	FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Nida Hasan	Coursera certification on Teaching Indian Architectural History	11-05-2020	15-05-2020
Nida Hasan	FDP on Architectural Exploration: Past to Present	22-07-2019	26-07-2019

EVENTS ORGANISED: 2019-20

Title	From	To
FDP on Design of Hospitals	04-01-2020	08-01-2020

Board of Faculty			
1	Dr. M K Soni	Professor & Dean – FAD	Chairperson
2	Prof. Sanjay Kumar Surya	Professor and Head, Department of Architecture and Design	Member
3	Prof. (Col.) Sanjeev Gupta	Professor, Department of Architecture and Design	Member
4	Mr. Hitesh Kumar	Assistant Professor, Department of Architecture and Design	Member
5	Ms. Smriti Saigal	Assistant Professor, Department of Architecture and Design	Member
6	Prof. Manoj Mathur	Professor, School of Planning & Architecture, New Delhi (H-No 8002, Sector C-8, Vasant Kunj New Delhi-110070)	External Member
7	Dr. Neerja Lugani Sethi	Professor, University School of Arch and Planning, Dwarka, Delhi	External Member

Board of Studies			
1	Prof. Sanjay Kumar Surya	Professor and Head, Department of Architecture and Design	Chairperson
2	Prof. (Col.) Sanjeev Gupta	Professor, Department of Architecture and Design	Member
3	Prof. Dinesh Bhardwaj	Professor, Department of Architecture and Design	Member
4	Ms. Shabeena	Assistant Professor, Dept of Architecture and Design	Member
5	Ms. Smriti Saigal	Assistant Professor, Department of Architecture and Design	Member
6	Prof. Manoj Mathur	Prof. School of Planning & Architecture New Delhi (H-No 8002, Sector C-8, Vasant Kunj New Delhi-110070)	External Member
7	Dr. Neerja Lugani Sethi	Professor, University School of Arch and Planning, Dwarka, Delhi	External Member

3.9 FACULTY OF DENTAL SCIENCE

Department of Dental Science

Admission Status:

Name of the Faculty	Programme	Student Intake	Total Admissions
		UG-PG	UG-PG
FDS	Bachelor of Dental Surgery (BDS)	100	87
	Master of Dental Surgery (MDS)	09-15	09-15

Faculty of Dental Science (FDS) 2019-20

List of Faculty Members:

Sr. No.	Name of the Faculty Member	Designation	Department
1	Arundeep Singh	Director Principal	Conservative Dentistry
2	Dax Abraham	Professor	Conservative Dentistry
3	Pankaj Dhawan	Professor	Prosthodontics
4	Piyush Tandan	Professor	Prosthodontics
5	Sridhar Kannan	Professor	Orthodontics
6	Nitin Arora	Professor	Orthodontics
7	Shveta Sood	Professor	Pedodontics
8	Shivani Aggarwal	Professor	Oral Pathology
9	Manish Bhargav	Professor	Oral Pathology
10	Pooja Palwankar	Professor	Periodontology
11	Ashim Aggarwal	Professor	Oral Surgery
12	Jyoti Kiran Kohli	Professor	Human Anatomy
13	Alpa Gupta	Reader	Conservative Dentistry
14	Shivam Singh Tomar	Reader	Prosthodontics
15	Ashish Kumar Singh	Reader	Orthodontics
16	Naresh Sharma	Reader	Pedodontics
17	Nipun Dhalla	Reader	Periodontology
18	Ruchi Pandey	Reader	Periodontology
19	Sumit Bhateja	Reader	Oral Medicine& Radiology
20	Meena Jain	Reader	Public Health Dentistry
21	Amit Mohan	Reader	Oral Surgery
22	Kumar Rakshak Anand	Reader	Oral Surgery
23	Anupama V.Betigeri	Reader	Physiology
24	Shakila Mahesh	Reader	Microbiology
25	Anjana Goyal	Reader	Biochemistry
26	Reena Doomra	Reader	Pharmacology

27	Savita Bansal	Reader	General Pathology
28	Midur Kumar Sharma	Reader	General Medicine
29	Pratul Priyadarshini	Reader	General Surgery
30	Manju Singh	Reader	Anesthesia
31	Sucheta Jala	Lecturer	Conservative Dentistry
32	Kamineni Mohana Pratima	Lecturer	Conservative Dentistry
33	Divyesh Mehta	Lecturer	Prosthodontics
34	Mansi Nautiyal	Lecturer	Prosthodontics
35	Abhita Malhotra	Lecturer	Orthodontics
36	Akshara	Lecturer	Pedodontics
37	Anchal Varshney	Lecturer	Oral Pathology
38	Hitesh	Lecturer	Oral Pathology
39	Lipika Gopal	Lecturer	Periodontology
40	Neha Aggarwal	Lecturer	Oral Medicine & Radiology
41	Tamanna Soni	Lecturer	Oral Medicine & Radiology
42	Nisha Yadav	Lecturer	Public Health Dentistry
43	Puneet Chahar	Lecturer	Public Health Dentistry
44	Akanksha Monga	Lecturer	Public Health Dentistry
45	Dimple Arora	Lecturer	Oral Surgery
46	Gargi Madiwale	Lecturer	Oral Surgery
47	Sohel Sikdar	Lecturer	Physiology
48	Mahesh	Lecturer	Physiology
49	Souvik kar	Lecturer	Microbiology
50	Hafiz Kalam Uddin	Lecturer	Microbiology
51	Madhu Kumari	Lecturer	Biochemistry
52	Adleena Asna	Lecturer	Biochemistry
53	Vikrant Solanki	Lecturer	Pharmacology
54	Dheeraj	Lecturer	Pharmacology
55	Rajesh Bhalla	Lecturer	General Pathology
56	Laishraam Subhasini Devi	Lecturer	General Pathology
57	Kamal Satyarthi	Lecturer	Human Anatomy
58	Sakshi Jaiswal	Lecturer	Human Anatomy
59	Anshu Bhargav	Lecturer	Human Anatomy
60	Lekh Ram	Lecturer	Human Anatomy
61	Gagan Sandhir	Lecturer	Human Anatomy
62	Mrinal Arora	Lecturer	General Medicine
63	Jaswinder Kaur	Lecturer	General Medicine
64	Satnam Singh Rana	Lecturer	General Surgery
65	Swati Anghotra	Lecturer	General Surgery
66	Sunny	Lecturer	General Surgery
67	Himanshu Goyal	Lecturer	Anesthesia

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Prospects of Clinical and Non Clinical Dental Studies Abroad	30
Dentistry Options Abroad	54
Dentistry Abroad : Explore Opportunities near South East Asia	81
Various Prospects of Settling in UK	56
CEDEES Program II in association with MRDC	42
Orientation Lecture	39

Student progression to higher education in percentage during the year: 2019-20

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Milandeep Singh	Bachelor in Dental Surgery	ITS Greater Noida	MDS (Conservative and Endodontics)
Rohit Ahuja	Bachelor in Dental Surgery	Subarti Dental College Meerat	MDS (Conservative and Endodontics)
Sanskriti	Bachelor in Dental Surgery	AB Shetty Memorial Institute of Dental Sciences, Mangalore	MDS (Orthodontics)
Pooja nagpal	Bachelor in Dental Surgery	Government Dental College & Hospital, Simla	MDS (Oral Medice And Radiology)
Megha Chalana	Bachelor in Dental Surgery	Shree Guru Gobind Singh Tricentenary, Gurgaon	MDS (Conservative and Endodontics)
Vaibhav Malhotra	Bachelor in Dental Surgery	School of Dental Science, Sharda, Greater Noida	MDS (Oral and Maxillofacial Surgery)
Ayush Dixit	Bachelor in Dental Surgery	CODS Davengeree	MDS (Orthodontics)
Shubhaani	Bachelor in Dental Surgery	Manav Rachna Dental College	MDS (Prosthodontics)
Nandini Sharma	Bachelor in Dental Surgery	All India Institute of Medical Science	M.Sc. - Anatomy
Sahil Dabbas	Bachelor in Dental Surgery	University of Canada, West-Vancouver	Master in Business Administration
Ashima Tyagi	Bachelor in Dental Surgery	Subarti Meerat	MDS (Pedodontics)
Nivea	Bachelor in Dental Surgery	KD Dental College Mathura	MDS (Prosthodontics)
Samrin Aliya	Bachelor in Dental Surgery	Sudha Rustagi College of Dental Sciences & Research, Faridabad	MDS (Conservative and Endodontics))
Tanya Malhotra	Bachelor in Dental Surgery	Shree Guru Gobind Singh Tricentenary, Gurgaon	MDS (Prosthodontics)
Priyanka Bhugra	Bachelor in Dental Surgery	Adesh Institute of Dental Sciences & Research, Bhatinda	MDS (Conservative and Endodontics))
Triparna	Bachelor in Dental Surgery	Sudha Rustagi College of Dental Sciences & Research, Faridabad	MDS (Orthodontics)
Tanya Kakkar	Bachelor in Dental Surgery	Sudha Rustagi College of Dental Sciences & Research, Faridabad	MDS (Pedodontics)

Kunal Bedi	Bachelor in Dental Surgery	I P Dental College	MDS (Conservative and Endodontics)
Urvashi Kapoor	Bachelor in Dental Surgery	Indian Institute of Health Management Research , Jaipur	MBA Hospital and Health Management
Manya Mittar	Bachelor in Dental Surgery	Indian Institute of Health Management Research, Jaipur	MBA Hospital and Health Management
Aditi Gulati	Bachelor in Dental Surgery	Indian Institute of Health Management Research, Jaipur	MBA Hospital and Health Management
A Mehta	Bachelor in Dental Surgery	University of Birmigham	Master of Public Health FT
Akshita Sharma	Bachelor in Dental Surgery	Indian Institute of Health Management Research, Jaipur	MBA Hospital and Health Management
Prity Kumari	Bachelor in Dental Surgery	Indian Institute of Health Management Research, Delhi	Post Graduate Diploma in Hospital Management
Brinda Khanna	Bachelor in Dental Surgery	University of Alberta	Master of Public Health
Priya Khatri	Bachelor in Dental Surgery	Griffith University	Masters in Global Public Health
Anjali Masih	Bachelor in Dental Surgery	Indian Institute of Public Health, Hyberabad	Master of Public Health
Abhishek Gupta	Bachelor in Dental Surgery	Fairleigh Dickinson University	Masters of Administrative Science
Advika Rawal	Bachelor in Dental Surgery	Kings College, London	Master of Public Health

Cultural Activities: 2019-20

Award- medal	National / International	Activities	Student Name
First Position at Fashion Walk	National	Annual Cultural Fest- Oasis'19 (BITS Pilani)	Sahil
First Position in Rang De Chhatri	National	TIDE 2020, ARSD College Festival	Simran Dhawan
First Position in Character Sketching Competition	National	VIBRATIONS 2020, Shivaji College Festival	Simran Dhawan
First position in Group Dance	National	Dental Health Utsav, MAIDS 2019	Sahil Kwatra, Shivani Yadav, Abeer
First Position in Fashion Show	National	Annual Cultural Fest Rawal Institutions Raw Fest 2K20	Amisha
First Position in Fashion Show	National	Annual Cultural Fest Rawal Institutions Raw Fest 2K20	Sahil Negi

Students qualifying in State/ National / International Level examinations during the year: 2019-20

Name	Roll No	Exam Cleared	Registration No.
Abhishek Gupta	2014-BDS-06	IELETS	L8810229
Amit kumar Luhach	2014-BDS-08	IELETS	T9000398
Brinda Khanna	2014-BDS-25	IELETS	Z3539996

Brinda Khanna	2014-BDS-25	GRE	8841508195856040
Prity Kumari	2013-BDS-63	MAT	945281
Nandini	2013-BDS-55	AIIMS-MSC	8616005
Sanskriti	2014-BDS-82	NEET	1955218409
Ashima	2014-BDS-20	NEET	1955218306
Nivea	2014-BDS-63	NEET	1955208869
Megha Chalana	2014-BDS-49	NEET	1955208815
Ashalata Roy	2014-BDS-19	NEET	1955219072
Riddhi Sidmukh	2014-BDS-75	NEET	1955219676
Tiparna	2014-BDS-98	NEET	1955208850
Shikha	2014-BDS-87	NEET	1955208870
Pooja Nagpal	2014-BDS-65	NEET	1955218277
Hitesh	2014-BDS-37	NEET	1955219323
Priyanka Bhugra	2014-BDS-71	NEET	1955208502
Milandeep	2014-BDS-52	NEET	1955219349
Tanya Malhotra	2014-BDS-95	NEET	1955219398
Neha	2011-BDS-58	NEET	1955208638
Ayush	2014-BDS-22	NEET	1955220019
Rohit Ahuja	2014-BDS-78	NEET	1955218731
Lan James	2014-BDS-44	NEET	1955219144
Medha	2014-BDS-47	NEET	1955200069
Mehak	2014-BDS-45	NEET	1955208609
Vishal	2014-BDS-100	NEET	1955209351
Samrin	2014-BDS-81	NEET	1955208539
Prateek	2014-BDS-66	NEET	1955219169
Vaibhav Malhotra	2013-BDS-94	NEET	1955208679
Subhaani	2014-BDS-89	NEET	1955216403
Rishabh	2014-BDS-77	NEET	1955219149
Digjeet	2014-BDS-28	NEET	1955218450
Umang	2014-BDS-99	NEET	1955208651
Tanya Bhatia	2014-BDS-94	NEET	1955219471
C J Vivek	2014-BDS-26	NEET	1955218661
Sushant	2014-BDS-92	NEET	1955208892
Kunalbedi	2013-BDS-39	NEET	1955218298
Manya Mittar	2013-BDS-46	NEET	1955219045
Manya Mittar	2013-BDS-46	NEET	GDPI-2020-188
Urvashi Kapoor	2013-BDS-92	UMAT	GDPI-2020-282

Faculty members: Awards & Recognitions: 2019-20

Name of Faculty Member	Awards / Recognition
Shivani Aggarwal	Certificate of recognition as reviewer for Current Dental Research Journal. (17-10-2019)
Dax Abraham	Invited Speaker to deliver a lecture on the topic "Biomechanical Preparation uses Rotary Files" at Clove Dental. (18-09-2019)

Dax Abraham	Invited Speaker to deliver a lecture on the topic "Obturation techniques & Endodontic Retreatment" at Clove Dental. (13-11-2019)
Ashim Aggarwal	Invited session Chair at 10th Annual Conference of Punjab State Chapter - Association of Oral and Maxillofacial Surgeons of India, Amritsar, Punjab. (3rd - 4th Feb, 2020)
Kumar Rakshak Anand	Invited Keynote Speaker in 2nd continued Dental Education on Basal Implants, organized by Indian Dental Education. (12-10-2019)
Kumar Rakshak Anand	Invited speaker to deliver a lecture during the 10th Annual Conference of Punjab State Chapter - Association of Oral and Maxillofacial Surgeons of India, Amritsar, Punjab. (04-02-2020)
Meena Jain	Invited Reviewer for British Dental Journal Open (16-11-2019)
Meena Jain	Editorial Board Member - EC Clinical & Experimental Anatomy Journal. (29-11-2019)
Meena Jain	Invited Reviewer for Pharmacological Reports (26-09-2019)
Pooja Palwankar	Invited Chairperson at the Scientific session, Integrate-2019, New Delhi. (3rd - 4th Aug, 2019)
Manish Bhargav	Invited Chairperson for Scientific presentation at 17th National Conference of Indian Association of Forensic Odontology held at Maulana Azad Institute of Dental Sciences, New Delhi. (21st -22nd Sep., 2019)
Sumit Bhateja	Invited Chairperson for Scientific presentation during 18th National Triple O Symposium and 4th International Oral Pre-cancer and Oral Cancer Conference held at Maulana Azad Institute of Dental Sciences, New Delhi. (6th -8th March 2020)
Sridhar Kannan	Invited Speaker to deliver Lecture during North Zone Orthodontic PG convention at Jamia Millia Islamia, New Delhi. (27th - 29th Sep., 2019)
Sridhar Kannan	Invited Chairperson for the North Zone Orthodontic PG Convention at Jamia Millia Islamia, New Delhi. (27th - 29th Sep., 2019)
Lipika Gopal	Invited Speaker at the Third International World Dental and Oral Health Congress 2019, London, UK, (13-07-2019)

Faculty Book Chapters:

Author Details	Book Chapter Details	National / International
Dr Sumit Bhateja	A Concise Textbook of Forensic Odontology	International
Dr Piyush Tandan	Finish Lines in Prosthodontics	International
Dr Divyesh Mehta	Finish Lines in Prosthodontics	International
Dr. Pooja Palwankar	Future of Genetic Studies and its Implication in Periodontology	International
Dr. Ruchi Pandey	Future of Genetic Studies and its Implication in Periodontology	International
Dr. Pankaj Dhawan	Modern Concepts of Aesthetic Dentistry	International
Dr Pankaj Dhawan	3D Printing in Prosthodontics: Prosthodontic Applications	International
Dr Pankaj Dhawan	Peri-Implantitis- Management and Prosthodontic Considerations	International
Dr Pankaj Dhawan	Bone Physiology and Regeneration	International
Dr. Divyesh	Modern Concepts of Aesthetic Dentistry	International
Dr. Piyush Tandan	Temporo-mandibular Joint and its Musculoskeletal Disorders	International
Dr. Piyush Tandan	3D Printing in Prosthodontics: Prosthodontic Applications	International

Dr. Mansi Nautiyal	Temporo-mandibular Joint and its Musculoskeletal Disorders	International
Dr. Shivam Singh	Biomaterials	International
Dr. Sridhar Kannan	Detrimental effects of Orthodontic Treatment	International
Dr. Nitin Arora	Detrimental effects of Orthodontic Treatment	International
Dr. Ashish Singh	Detrimental effects of Orthodontic Treatment	International
Dr. Sumit Bhateja	A Concise Textbook of Forensic Odontology	National
Dr. Sumit Bhateja	ABO Blood groups & Oral pre-malignancies - A Clinical study in selected Indian Population	International
Dr. Ashim Aggarwal	Principles of Perioplastic Surgery (Chapter)	National
Dr. Ashim Aggarwal	Preorthodontic Osseous Surgery(Chapter)	National
Dr. Shivani Aggarwal	Biologic Consideration (Chapter)	National
Dr. Lipika Gopal	Block's Disinfection, Sterilization, and Preservation-Chapter - Oral mucous membrane	International
Dr. Pooja Palwankar	Evidence based Periodontal therapy	International

FDPs attended by faculty members: 2019-20

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date (From)	Date (To)
Ankur Sharma	FDP on Research Methodology	05-08-2019	09-08-2019
Pooja Palwankar	FDP on Research Methodology	05-08-2019	09-08-2019
Meena Jain	FDP on Research Methodology	05-08-2019	09-08-2019
Ruchi Pandey	FDP on Research Methodology	05-08-2019	09-08-2019
Nisha Yadav	FDP on Research Methodology	05-08-2019	09-08-2019
Nipun Dhalla	FDP on Research Methodology	05-08-2019	09-08-2019
Nipun Dhalla	FDP on Conduct of Survey	09-03-2020	13-03-2020
Akanksha Monga	FDP on Research Methodology	05-08-2019	09-08-2019
Nitin Arora	FDP on Research Methodology	05-08-2019	09-08-2019
Ashish Singh	FDP on Research Methodology	05-08-2019	09-08-2019
Ashish Singh	FDP on Conduct of Survey	09-03-2020	13-03-2020
Shveta Sood	FDP on Research Methodology	05-08-2019	09-08-2019
Shveta Sood	FDP on Conduct of Survey	09-03-2020	13-03-2020
Pankaj Dhawan	FDP on Research Methodology	05-08-2019	09-08-2019
Shivani Aggarwal	FDP on Research Methodology	05-08-2019	09-08-2019
Naresh Sharma	FDP on Research Methodology	05-08-2019	09-08-2019
Dax Abraham	FDP on Research Methodology	05-08-2019	09-08-2019
Dax Abraham	FDP on Conduct of Survey	09-03-2020	13-03-2020
Shivam Singh Tomar	FDP on Research Methodology	05-08-2019	09-08-2019
Lipika Gopal	FDP on Research Methodology	05-08-2019	09-08-2019
Lipika Gopal	FDP on Conduct of Survey	09-03-2020	13-03-2020
Sucheta Jala	FDP on Research Methodology	05-08-2019	09-08-2019
Sucheta Jala	FDP on Conduct of Survey	09-03-2020	13-03-2020
Kumar Rakshak Anand	FDP on Research Methodology	05-08-2019	09-08-2019
Kumar Rakshak Anand	FDP on Conduct of Survey	09-03-2020	13-03-2020
Anchal Varshney	FDP on Conduct of Survey	09-03-2020	13-03-2020
Tamanna Soni	FDP on Conduct of Survey	09-03-2020	13-03-2020
Kapila	FDP on Conduct of Survey	09-03-2020	13-03-2020

Divyesh Mehta	FDP on Conduct of Survey	09-03-2020	13-03-2020
Savita	FDP on Conduct of Survey	09-03-2020	13-03-2020
Reena Doomra	FDP on Conduct of Survey	09-03-2020	13-03-2020
Shakila Mahesh	FDP on Conduct of Survey	09-03-2020	13-03-2020
Ashim Aggarwal	FDP on Conduct of Survey	09-03-2020	13-03-2020
Meenakshi Sharma	FDP on Conduct of Survey	09-03-2020	13-03-2020

EVENTS ORGANISED: 2019-20

Title	From	To
Retreatodontics - Towards the Betterment and Beyond	10-10-2019	10-10-2019
Tooth Fairy: A New Paradigm shift by Stem Cells	15-10-2019	15-10-2019
Laser Therapy in Dentistry	12-6-2019	12-6-2019
Conduct of Survey: From Topic to Methodology	09-01-2020	13-02-2020
TADS Amplifying Orthodontic Anchorage	14-01-2020	15-01-2020
Aesthetic Restorations: Style Italiano way	11-02-2020	11-02-2020
Dentistry abroad: Explore opportunities near South East Asia	13-02-2020	13-02-2020
Sinus Lift Implant Surgery in association with Osstem Pvt Ltd.	14-02-2020	14-02-2020
Relevance & Practice of Tobacco-cessation in times of COVID	30-05-2020	30-05-2020

Manav Rachna Dental College, Faculty of Dental Sciences has grown over the years and has maintained its Position as a leading force in all the three facets of Dental Healthcare, Provision of Dental Care to Patients, Research and Medical Education. Manav Rachna Dental College is the only NAAC 'A' Grade accredited Institute in Haryana. The College has been adjudged by the Outlook best College Survey as 22nd best College among all Government and Private dental Colleges of India in 2019. It has been placed at 24th Rank by the India Today best College Survey 2019. Our growth story of past years has been one of pride; humility and constant strive for excellence.

Manav Rachna Dental College's roadmap to future is guided by its vision of becoming a worldwide leader in Dental Education and Public Health Clinical Practice, with a passion to care for the underserved; and its mission to embark upon innovations in Oral Health Education, Research and service to improve quality of life of the community it serves. On this path, we have made significant strides over the past year. In this report, I would mark our positions of achievement in academic excellence, social and community healthcare, research and development and at the end, I would talk about our Impact.

Academic Excellence:

Manav Rachna Dental College strives for excellence in academics and providing its students best of education for preparing them as good dental surgeons of tomorrow. We have been developing our curriculum according to, as well as beyond the recommended Dental Council curriculum in order to provide an enhanced learning opportunity for students. We have introduced new teaching-learning methods in our pedagogy.

- Best patient care can be provided only by treating the patient as a whole rather than treating individual pathologies. This involves a lot of interdisciplinary coordination. In order to enhance a multidisciplinary learning atmosphere, we have introduced inter-departmental

seminars for students, wherein they work in coordination with each other for improving patient outcomes.

- Vertical integration includes students from different years, starting from first year BDS to MDS students, working on the same clinical or public health problem. This helps the students to appreciate the integrity of their part of course in the complete patient care scenario.

- Clinico-pathological seminar for post-graduate students is another key area where we move beyond the DCI curriculum to provide value-added learning opportunity. Through this, our students are able to get an insight about pathological changes leading to clinical manifestations in the patients and how the diagnosis has to be established as a continuum of clinical and pathological changes.

- Peer guided learning is one of the important feature of our teaching-learning process. In addition to the guidance obtained through faculty members, MRDC tags students with senior students for hand-holding and helping in academic endeavors.

- We acknowledge that the students need to be close to community, as it is the community in which they have to work after graduating. Additionally, working at community level also provides an opportunity to learn and practice leadership skills as well as trust and empathy. Therefore, we have introduced a post-graduate community training program in first year of MDS course.

- Manav Rachna Dental College's flagship mentoring program is a unique process where vertical and horizontal mentorship is provided to each student, whereby a dedicated mentor helps the student achieve academic and professional goals.

- We have also introduced soft-skills classes for undergraduate students to help them improve communication and interpersonal skills. These skills are important for a doctor in practice as well as in social sphere as community leader in healthcare.

In 2019, we admitted our first batch under Manav Rachna International Institute of Research and Studies. With this batch, we have introduced a number of additions to the curriculum.

- CGPA grading system has been introduced to make the results more aligned to International standards.
- Research innovation catalyst classes have been introduced starting from First year BDS to inculcate culture of Research in undergraduate students.
- Elective courses for improved multidisciplinary understanding have been made part of teaching - learning process.

Our results in the past years reflect our culture and ethos. We have obtained 100% result for our BDS courses for the past year. This is the result of our continuous striving towards providing individual attention towards our students. MRDC is proud to have a student teacher ratio of 4:1, which means that we are able to provide highly personalized mentoring for our students.

Manav Rachna Dental College follows a tradition of keeping abreast with the latest advancements and technology in the field of dentistry and healthcare. We believe that dentistry is a dynamic Art and Science. A part of quality education involves imparting knowledge and skills to both students as well as the faculty members about the latest offering in the domain. Therefore, we have a great emphasis on Continuing Dental Education and Faculty Development. We hold regular Continuing Dental Education (CDE) programs and Faculty Development Programs (FDPs) to meet this goal. Our programs are conducted by experts in the relevant fields of learning. We have conducted more then 70 CDE programs in the past five years. These programs are conducted by the departments and are available to the students and faculties of MRDC.

Social Health Initiatives

Ignited with desire by our founder visionary to provide best possible healthcare for poor and undeserved members of the society, the institution makes an all-out effort to provide consultancy to socially and Economically Weaker Sections of the Society. Treatment Camps are organized for Orphanages, Old Age Homes, Physically and intellectually challenged Individuals, including various other stratum of Society. To spread the oral hygiene messages, the college organizes Dental health education camps in the villages and slum areas.

In the year 2019-20, about 225 Camps were organized in various sections of community. In association with Dr. O. P. Bhalla Foundation, we regularly hold free dental treatment Camps during the Month of April - June every year. Over 50 free dentures were delivered to the poor in the year 2019. Our flagship public health dentistry programs over the years have been instrumental in improving the community dental health.

Here is a brief about some of our important programs and work done under social and community health initiatives.

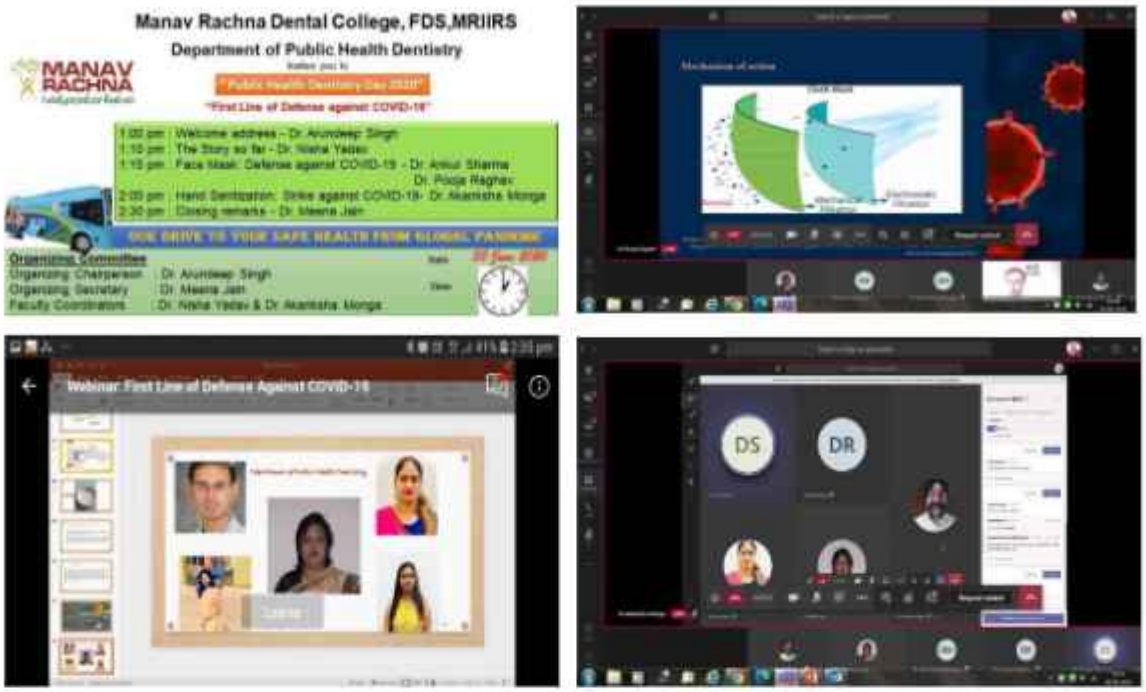
- "Faridabad Smiles" is a flagship program run by Manav Rachna Dental College in order to improve oral health of the rural and underprivileged community.
  A series of six Dental check-up Camps, two camps daily for 3 days a week are conducted under this program. The patients are screened for diseases of the mouth, are treated on subsequent visits to MRDC which are facilitated through provision of free transport facility. The treatment is provided to these patients at special affordable rates. The program started in 2016 and is in its fourth year of running.

- Women Health and Hygiene Drive, Warm NGO and O.P Bhalla Foundation on 19th July 2019 - Interns and faculty from Department of Public Health Dentistry, Manav Rachna Dental College participated in event by Warm Foundation and Dr OP Bhalla foundation for the distribution of Sanitary Pad, under largest drive in Govt. Girls school, Mohna benefitting more than 450 girls and women of Mohna village. Interns, also performed Nukkad Natak on Menstrual Hygiene and Hand Washing. **The event was recorded by India book of records.**

- Under Anangpur Anganwadi Village intiated Hygiene Program (Code-617) & Dental camp held on 23-07-2019. 38 children out of total 41 screened were referred to Anangpur Peripheral Center and MRDC for expert Opinion. Children were screened along with Anangwadi staff and Health Education also provided to them. Children were taught how to wash your hands properly.

- Dr. O.P Bhalla and Rotary Club Blood Donation Camp- 1392 units of blood was collected during the **Mega Blood Donation** Camp.

- Public Health Dentistry Day 2020 was celebrated on 23rd June 2020 through online platform of Microsoft teams by conducting a webinar - "First Line of Defence against COVID-19" for the students & faculty of MRIIRS University as well as General Public. The aim was to create awareness regarding Face Masks & Hand Sanitization. The event was attended by more than 250 participants from different professions. We received positive feedback from various participants.



- **Webinar on Dentistry Post COVID-19 by Dr. Juan Yepes COVID-19 awareness and prevention on May 28th , 2020**

- **Dental Camp Raahgiri, Tigaon- A screening and awareness camp was conducted at Rahgiri Anaj Mandi Tigaon Faridabad on Dec. 15th 2019**

- Dental Camp at Sant Rajinder Ashram - A screening, awareness Camp was held at Sant Rajinder Ashram, Faridabad on Nov 27th, 2019.

- A free denture delivery program is organized each year at Manav Rachna Dental College, where needy patients are provided dentures free of cost. This occurs on the sidelines of Dr. O. P. Bhalla free dental treatment drive, which is conducted during months of March to May each year. Under this drive, free dental treatment is provided for basic treatment as per the need of all walk-in patients at MRDC.

- A weekly dental treatment outreach activity is conducted at Mohna village on every Friday by Manav Rachna Dental College. The community centre run by Dr. O. P. Bhalla Foundation is used as the venue for the conduct of this outreach program and mobile dental van is utilized for free treatment provision to the Patients. Village residents of Mohna and surrounding villages utilize this facility.

- **Free Hepatitis Vaccination Drive (Jan 16th, 2020) -** Manav Rachna Dental College conducted a free Hepatitis vaccination and education drive in January 2020. The vaccination drive was conducted in collaboration with Institute of Liver and Billiary Sciences, New Delhi. The vaccination was provided free of cost to all the students, staff members and support staff of Manav Rachna University.

- A "No Tobacco" drive is launched each year by Manav Rachna Dental which coveres various awareness activities, personalized tobacco-cessation counseling to the masses, various competitions including poster making competition and slogan writing competition etc. The drive culminates with a 'No-Tobacco Rally and Walkathon' in Faridabad on 31st May each year.

- Mega Treatment Camp at Earth Savior Foundation, Bandhwari – Manav Rachna Dental College organized a dental treatment camp at Bandhwari Village on 12-2-2020 in collaboration with Earth Savior Foundation. Earth Savior Foundation is an internationally recognized NGO working for upliftment of the lesser privileged individuals. Its main aim is to look after homeless and abandoned senior citizens, rescue mentally disabled people look after deprived families and save the environment.

- Manav Rachna Dental College has worked on various women upliftment activities in past years. This includes activities on women hygiene including lectures, street plays, distribution of sanitary pads and health talks in community.

- Mega treatment Camp at Supreme Court of India - Department of Public Health Dentistry, Manav Rachna Dental College, Faculty of Dental Sciences, conducted a dental check-up and treatment camp at the Supreme Court of India on February 14th, 2020. The camp was conducted in collaboration with Medanta Hospital, Gurgaon and Rotary Club of Delhi (Mid West).

- School Oral Health Camps have been organized by MRDC in various schools of Delhi-NCR region including Faridabad, Noida, Delhi and Gurgaon. Screening and treatment for school children and dental health education is provided to all the school students. The schools include both Government and Privately owned Institutions.

- Distribution of COVID-19 awareness posters (01-09–2020): Manav Rachna Dental College started distribution of COVID-19 awareness posters and pamphlets among the patients coming to the OPD, to make them aware of proper preventive measures against COVID-19 as well as the instructions to be followed in the OPD.

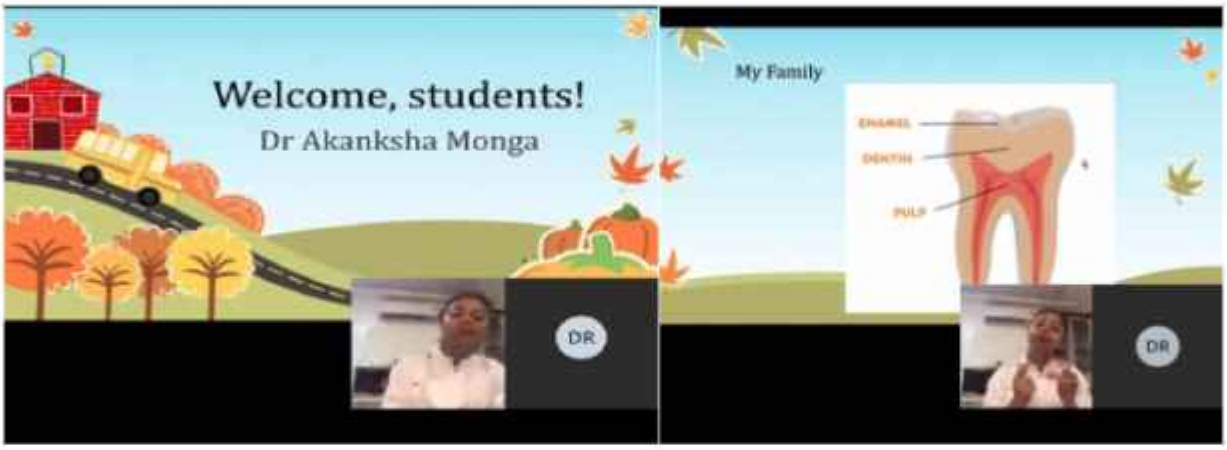
- COVID-19 awareness for Paramedical Staff (18-03-2020): At the beginning of pandemic, department of Public Health Dentistry faculty conducted awareness program for paramedical staff and support staff of MRDC where health education about COVID 19 was given and preventive measures were explained and demonstrated.

Arrays of activities and social health programs have been organized by MRDC for improvement of oral health of special populations that include geriatric population, vulnerable groups and specially-abled populations. These include:

- Old Age Homes.
- Orphanages
- Residential and educational facilities for intellectually disabled, and
- Economically weaker populations.

Oral Health Education for MRIS school children

MRDC conducted oral health education drive with online oral health education sessions for students of Manav Rachna International Schools. The drive included interactive talks about oral hygiene maintenance as well as presentations for children and their parents.



Manav Rachna Dental College is also involved in public health activities for general health in addition to dental public health activity. These include public health work pertaining to common issues in the society.

- MRDC has been involved in a yearly Blood Donation Camp with an aim of improving availability of blood for blood transfusions.
- Integrated Health Promotion Program was developed and conducted by MRDC in villages of Tilpat and Palla. The program aimed at improving health related attitudes and practices among BPL households through activation of housewives towards health of their family and their own health.

Additionally, MRDC has also participated in social initiatives like:

- Anti terrorism pledge
- Swacch Bharat Initiative
- Free bus shuttle for Patients

- Tree plantation drives

Research and Development

Manav Rachna Dental College is firmly footed in a culture of research and development. Both the faculty and students of MRDC are actively engaged in research activities. The research conducted at MRDC is focused on improving patient outcomes and care processes and procedures. A significant amount of epidemiological research is also being conducted at MRDC to understand oral diseases and their associated factors in better way. There has been a significant increase in the number of publications affiliated to MRDC, last year. This has been possible due to an increased thrust and support for research and development work by the Institutional management authorities.

In the year 2019-20, the faculty has published 75 research papers in various National and International peer reviewed Journals. These include publications in various prestigious Journals indexed in Pubmed, Scopus, Web of Science and other indexing databases.

There is also a huge amount of emphasis on conduct and planning of student based research. It is important to involve students in research and train students to plan and conduct researches and answer the overarching problems in their fields. Therefore Manav Rachna Dental College has started Research and Innovation Catalyst course for the undergraduate students to promote understanding of research planning and conduct. Additionally, post graduate students are actively involved in research, thesis writing and publication of scientific papers. There have been about 24 publications from undergraduate students in the past year, based on conduct of both primary and secondary research.

International collaboration is an important part of promotion and improvement of research and development. Department of Public Health Dental College is conducting a collaborative research on health related behavior change with School of Public Health, Jackson State University, USA. The authors have already come-up with two research papers out of this research collaboration.

Innovation is crucial to growth of any intellectual and scientific domain. Therefore, MRDC actively promotes a culture of innovation and entrepreneurship.

There were two active innovation projects which have obtained innovation grant from Department of Science and Technology (DST):

- Pinaca Connected Tooth Brush Project got funding this year.
- Synsalus Technomed project which is underway for process automation in healthcare.

Impact

The impact of development and excellence is implicit in the benefits derived by the society and the world as a whole, and very subtly on one's own development. Social impact of MRDC has been visible through the number of patients and the ever increasing geography of impact in its healthcare outreach activities. Dental check-up Camps of Manav Rachna Dental College directly benefit about 12,000 patients this year. The indirect impact is much higher. The number of patients benefitted by treatment at MRDC stands at around 1 lakh patients this year and is set to increase next year.

Apart from the social impact, the intellectual impact of MRDC on development of the scientific corpus and fraternity of dentistry has been huge. Contribution to the literary corpus of the fraternity is an important impact of an academic institution. Faculty members at MRDC have published textbooks or contributed to chapters in over 25 books. These books range from basic sciences to clinical procedures in dentistry. Many of our faculty members have authored books that extensively cover highly specialized procedures and current paradigms in management of oral and dental diseases. These have been published by International publishers as well as well known National publication houses. Sharing experiences and expertise at National and International level

conferences is another area where an academic institution affects the professional discourse and its impact on humankind. Faculty members from Manav Rachna Dental College have been invited to share their views and expertise at various National and International level conferences. Peer review is considered to be a benchmark in ensuring scientific rigor and relevance of published contents in Journals. Our faculty members have been invited to conduct peer review for prestigious PubMed indexed or Scopus indexed journals. These include Journals of high repute in medical as well as dental specialities.

Our students have settled in India and abroad as dental surgeons and healthcare professionals. Many of them are self employed and have their own practices. Our students belong to various parts of the country and have settled in their native places where they are placed successfully. Many of our students have opted to study or settle abroad.

- Many of our students have been placed in Manav Rachna Dental College as faculty members. Dr. Neha Aggarwal, Dr. Sucheta Jala, Dr. Akshara Singh, Dr. Phalguni Sharma, Dr. Vaibhav Malhotra are some of the students who have been placed at MRDC as faculty members.

- A number of undergraduate students of MRDC choose to pursue post-graduation in their own college. Dr. Tushar Kohli, Dr. Anamika Sharma, Dr. Garima, Dr. Chirag Sharma, Dr. Arushi, Dr. Pooja are some names, who are currently pursuing post graduation from MRDC.

- Dr. Namrata Jain has been placed as Manager at GSK pharmaceuticals.
- Dr. Shveta Chalana has been placed at Sirona Dental.
- Dr. Aman Sachdeva and Dr. Namrata Dalal are working at Clove Dental.
- Dr. Prateek and Dr. Jugpriyana Kohli are working with National Health Services, England.
- Dr. Tensin Passang and Dr. Tenzin Namsel have completed their Master of Public Health from University of Sheffield, England.
- Dr. Nitish Gaur has completed Master of Science in global healthcare at University of Coventry and is placed as a lecturer.
- Dr. Tandeep Malhotra pursued higher education at the State University of New York, USA.
- Dr. Princy Bhardwaj is pursuing higher education from Columbia University.
- Dr. Makshita Luthra is currently placed with Mayo Clinics at USA.
- Dr. Amitoch Kohli completed his Master in Public Health from Emory University, USA.
- Dr. Reena Sharma and Dr. Rahul Singh are presently pursuing higher education from Tata Institute of Social Sciences, Mumbai.
- Dr. Radhika Chibber is pursuing higher studies from McGill University, Canada.
- Dr. Asneth Singh is pursuing higher education from St. Lawrence College, Canada.

CHAPTER-4

ACADEMIC CALENDAR

Manav Rachna International Institute of Research & Studies (Deemed to be University) Academic Calendar 2019-20:

Academic Calendar AY 2019-20

MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES
(Deemed to be University)
NAAC "A" Grade Accredited Institution
Academic Calendar - Odd Semester - Academic Year 2019-20

ACTIVITIES	FET			FCA		FCBS		FAS		FMehH		FBSS		FMS				FHD	
														MBA		MHA			
	1st year	2nd year and 3rd year	4th year	1st year	2nd year and onwards	1st year	2nd year and onwards	1st year	2nd year and onwards	1st year	2nd year and onwards	1st year	2nd year and onwards	1st year	2nd year and onwards	1st year	2nd year and onwards	1st year	2nd year and onwards
Total Teaching Days	107 Days	93 Days	75 Days	105 Days	93 Days	105 Days	93 Days	105 Days	93 Days	105 Days	93 Days	105 Days	93 Days	107 Days	93 Days	105 Days	93 Days	105 Days	93 Days
Total No. of Holidays	9 Days	9 Days	7 Days	9 Days	9 Days	9 Days	9 Days	9 Days	9 Days	9 Days	9 Days	9 Days	9 Days	9 Days	9 Days	9 Days	9 Days	9 Days	9 Days
Net Teaching Days	98 Days	85 Days	68 Days	96 Days	87 Days	96 Days	93 Days	96 Days	84 Days	96 Days	93 Days	96 Days	93 Days	98 Days	85 Days	96 Days	87 Days	96 Days	93 Days
Registration/Reconfirmation of Academic Session	08-07-2019	29-07-2019	26.08.2019	28-07-2019	29-07-2019	28-07-2019	29-07-2019	29-07-2019	29-07-2019	08-07-2019	29-07-2019	22-07-2019	23-07-2019	13-07-2019	01-08-2019	03-07-2019	20-07-2019	28-07-2019	28-07-2019
Orientation Programme	08-07-2019 to 26-07-2019	29-07-2019 to 06-07-2019		06-07-2019 to 28-07-2019	29-07-2019 to 06-07-2019	19-07-2019 to 28-07-2019	01-07-2019 to 06-07-2019	29-07-2019 to 28-07-2019	01-07-2019 to 06-07-2019	08-07-2019 to 28-07-2019	29-07-2019 to 06-07-2019	22-07-2019 to 29-07-2019	23-07-2019 to 30-07-2019	13-07-2019 To 03-08-2019	05-08-2019 to 05-08-2019	03-07-2019 to 19-07-2019	20-07-2019 to 30-07-2019	28-07-2019 to 28-07-2019	26-07-2019 to 30-07-2019
Sessional Examination -III	11-06-2019 to 17-06-2019		Not Required	11-06-2019 to 17-06-2019		11-06-2019 to 17-06-2019		11-06-2019 to 17-06-2019		11-06-2019 to 17-06-2019		11-06-2019 to 17-06-2019		20-06-2019 to 05-07-2019		21-06-2019 to 17-06-2019		21-06-2019 to 17-06-2019	
Date by which Marks of 1st Sessional Examination to be Uploaded on ERP after Scaling Enabled Answer Books	06-19-2019		Not Required	04-12-2019		04-19-2019		04-12-2019		04-06-2019		06-28-2019		10-07-2019		04-19-2019		04-06-2019	
Sessional Examination 2nd	18-11-2019 to 23-11-2019			18-11-2019 to 23-11-2019		18-11-2019 to 23-11-2019		30-11-2019 to 23-11-2019		18-11-2019 to 23-11-2019		18-11-2019 to 23-11-2019		25-11-2019 to 30-11-2019		18-11-2019 to 23-11-2019		18-11-2019 to 23-11-2019	
Date by which Marks of 2nd Sessional Examination to be Uploaded on ERP after Scaling Enabled Answer Books	28-11-2019			28-11-2019		28-11-2019		28-12-2019		28-11-2019		06-11-2019		09-12-2019		28-11-2019		28-11-2019	
Final Submission of Particulars/ Diaries	25.11.2019 to 25.11.2019			25.11.2019 to 25.11.2019		25.11.2019 to 25.11.2019		24.11.2019 to 25.11.2019		25.11.2019 to 25.11.2019		25.11.2019 to 28.11.2019		02.12.2019 to 06.12.2019		25.11.2019 to 03.11.2019		25.11.2019 to 25.11.2019	
End of Semester	05-11-2019			29-11-2019		05-11-2019		29-11-2019		05-11-2019		08-11-2019		06.12.2019		29-11-2019		05-11-2019	
Submission of Final Internal Marks Report to CoE	06-12-2019			06-12-2019		06-12-2019		06-12-2019		06-11-2019		06-12-2019		11.12.2019		06-12-2019		06-12-2019	
Practical Examination	09-12-2019 to 06-12-2019			09-12-2019 to 06-12-2019		09-12-2019 to 06-12-2019		09-12-2019 to 09-12-2019		09-11-2019 to 06-11-2019		09-11-2019 to 08-11-2019		09.12.2019 to 11.12.2019		09.12.2019 to 09.12.2019		09.12.2019 to 12.12.2019	
Submission of Final/Practical Marks Report to CoE	11-12-2019			11-12-2019		11-12-2019		14-12-2019		13-11-2019		11-12-2019		16.12.2019		16.12.2019		16.12.2019	
Preparatory Leave	07-12-2019 to 10-12-2019			07-12-2019 to 10-12-2019		07-12-2019 to 10-12-2019		11-12-2019 to 11-12-2019		07-12-2019 to 10-12-2019		07-12-2019 to 10-12-2019		10.12.2019 to 16.12.2019		11.12.2019 to 23.12.2019		12.12.2019 to 12.12.2019	
Theory Examinations	11-12-2019 to 04-01-2020			11-12-2019 to 04-01-2020		11-12-2019 to 04-01-2020		16-12-2019 to 04-01-2020		11-12-2019 to 04-01-2020		11-12-2019 to 04-01-2020		17.12.2019 to 04-01-2020		18.12.2019 to 04-01-2020		16.12.2019 to 04-01-2020	
Showing of Sessional Answer Books	Within 10 working Days of Last End Semester Exam																		
Declaration of Final Result	Within 15 working Days of Last End Semester Exam																		
Commencement of New Semester (EVEN)	06-01-2020																		
List of Holidays	08/7 Guru Purnima* 12th August 2019 (Monday), Independence Day 15th August 2019 (Thursday), Rakshabandhan 15th August 2019 (Thursday), Janmashtami 24th August 2019 (Saturday), Mahatma Gandhi's Birthday 2nd October 2019 (Monday), Maha Navami 7th October 2019 (Monday), Dussehra 8th October 2019 (Tuesday), Karwa Chauth 17 October 2019 (Thursday), Diwali (Deepavali) 27th October 2019 (Sunday), Vishwakarma Day 28th October 2019 (Monday), Bhaiyadooj 29th October 2019 (Tuesday), Guru Nanak's Birthday 12th November 2019 (Tuesday), Christmas 25th December 2019 (Wednesday)																		

Note: During Sessional Examination days, classes shall be held after the conduct of sessional test on everyday.

Dean-Academics, MRIIRS

Academic Calendar AY 2019-20

MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES

(Deemed to be University under section 3 of UGC Act, 1956)

NAAC "A" Grade Accredited

Academic Calendar - Even Semester - Academic Year 2019-20

ACTIVITY	UET	PEA		IMS	FAHT		FMHS	FPHS	PMS		FAH
	1st year to 3rd year	All Semester except MBA 2nd & 3rd IV Sem	MCA and BSc IT (Final year)		All Programmes except the mentioned semester	BSc IV&VI Sem Semester			BBA	MBA	
Total Teaching Days	66 Days	66 Days	52 days followed by Industrial Training	66 Days	88 Days	50 days followed by Industrial Training	85 Days	85 Days	90 Days	85 Days	85 Days
Total No. of Holidays	4 Days	4 Days		4 Days	4 Days		4 Days	4 Days	4 Days	4 Days	4 Days
Net Teaching Days	62 Days	62 Days		62 Days	84 Days		81 Days	81 Days	86 Days	81 Days	81 Days
Registration of Courses	upto 05-03-2020	upto 31-01-2020	upto 06-01-2020	upto 06-01-2020	upto 10-03-2020	upto 06-01-2020	upto 06-01-2020	upto 06-01-2020	upto 06-01-2020	upto 06-01-2020	upto 06-01-2020
Commencement of Academic Sessions/classes	07-01-2020	03-03-2020	07-01-2020	07-01-2020	07-01-2020	07-01-2020	07-01-2020	07-01-2020	07-01-2020	07-01-2020	07-01-2020
Sessional Examination-1st	29-02-2020 to 08-03-2020	29-03-2020 to 05-03-2020	03-03-2020	29-02-2020 to 06-01-2020	29-02-2020 to 06-01-2020	03-03-2020	29-01-2020 to 06-01-2020	29-02-2020 to 06-03-2020	29-02-2020 to 06-03-2020	29-02-2020 to 06-03-2020	29-02-2020 to 06-03-2020
Date by which Marks of 1st Sessional Examination to be Uploaded on ERP after showing Evaluted Answer Books	12.01.2020	13.03.2020	06-03-2020	12.01.2020	12.01.2020	09-03-2020	12.01.2020	12.02.2020	12.01.2020	12.01.2020	12.01.2020
Sessional Examination-2nd	23-04-2020 to 25-04-2020	20-04-2020 to 25-04-2020	09-03-2020	23-04-2020 to 25-04-2020	23-04-2020 to 25-04-2020	09-03-2020	23-04-2020 to 25-04-2020	20-04-2020 to 25-04-2020	20-04-2020 to 25-04-2020	20-04-2020 to 25-04-2020	27-04-2020 to 29-05-2020
Date by which Marks of 2nd Sessional Examination to be Uploaded on ERP after showing Evaluted Answer Books	30-04-2020	30-04-2020	20-03-2020	30-04-2020	30-04-2020	20-03-2020	30-04-2020	30-03-2020	30-04-2020	30-04-2020	30-04-2020
Continuation of Semester Classes	27-04-2020 to 30-04-2020	27-04-2020 to 02-05-2020	30-03-2020 to 13.05.2020 followed by Industrial Training	27-04-2020 to 30-04-2020	27-04-2020 to 30-04-2020	03-03-2020 to 13.05.2020 followed by Industrial Training	27-04-2020 to 02-05-2020	27-04-2020 to 30-04-2020	27-04-2020 to 30-04-2020	27-04-2020 to 30-04-2020	27-04-2020 to 30-04-2020
End of Semester	02-05-2020	02-05-2020	02-05-2020	02-05-2020	02-05-2020	02-05-2020	02-05-2020	02-04-2020	07-05-2020	02.05.2020	30-04-2020
Notification of Ineligibility Students on the basis of Attendance	02.05.2020	02.05.2020	04-05-2020	02.05.2020	02.05.2020	04-05-2020	02.05.2020	02.05.2020	05-05-2020	02.05.2020	02.05.2020
Submission of final internal Marks Award to COE	06-05-2020	06-05-2020	23-03-2020	06-05-2020	06-05-2020	23-03-2020	06-05-2020	06-05-2020	13-05-2020	06-05-2020	06-05-2020
Practical Examinations	04-05-2020 to 07-05-2020	04-05-2020 to 07-05-2020	23-03-2020 to 27-03-2020	04-05-2020 to 07-05-2020	04-05-2020 to 11-05-2020	23-03-2020 to 27-03-2020	04-05-2020 to 07-05-2020	04-05-2020 to 07-05-2020	NA	04-05-2020 to 07-05-2020	04-05-2020 to 11-05-2020
Submission of Final Practical Marks Report to CoE	12-05-2020	12-05-2020	03-04-2020	12-05-2020	12-05-2020	03-04-2020	12-05-2020	12-05-2020	NA	12-05-2020	12-05-2020
Preparatory Leave	08-05-2020 to 11-05-2020	08-05-2020 to 11-05-2020	30-03-2020 to 31-03-2020	08-05-2020 to 11-05-2020	12-05-2020 to 16-05-2020	30-03-2020 to 31-03-2020	08-05-2020 to 11-05-2020	08-05-2020 to 11-05-2020	08-05-2020 to 12-05-2020	08-05-2020 to 11-05-2020	12-05-2020 to 15-05-2020
Theory Examinations	12-05-2020 to 11-06-2020	12-05-2020 to 13-06-2020	01-04-2020 to 06-04-2020	12-05-2020 to 11-06-2020	13-05-2020 to 11-06-2020	01-04-2020 to 06-04-2020	12-05-2020 to 11-06-2020	12-05-2020 to 11-06-2020	13-05-2020 to 12-06-2020	13-05-2020 to 11-06-2020	13-05-2020 to 11-06-2020
Summer Vacations / Training	12-06-2020 to 26-07-2020 (For students)	13-06-2020 to 26-07-2020 (For students)		12-06-2020 to 26-07-2020 (For students)	12-06-2020 to 26-07-2020 (For students)		12-06-2020 to 26-07-2020 (For students)	12-06-2020 to 26-07-2020 (For students)	13-06-2020 to 26-07-2020 (For students)	12-06-2020 to 26-07-2020 (For students)	12-06-2020 to 26-07-2020 (For students)
Showing of Evaluted Answer Books	Within 10 working Days of last End Semester Exam										
Declaration of Final Result	Within 15 working Days of Last End Semester Exam										
Commencement of New Semester	27-07-2020										
List of Holidays	Republic Day - 26th January (Sunday), Maha Shivratri - 21st February (Friday), Holi -10th March (Tuesday), Ramnavmi-2nd April (Thursday), Mahavir Jayanti-6th April (Monday) Note: These holidays are subject to notification by Central Govt. of the University										

Note: During Sessional Examination days, classes shall be held after the conduct of sessional test on everyday.
The Central Activity calendar shall be revised from time to time in the course.

Dean - Academics (BAS/IAS)

CHAPTER-5

FACILITATION UNITS OF THE UNIVERSITY

5.1 Internal Quality Assurance Cell (IQAC)

Activities of IQAC during the Academic Year 2019-20:

FDPs/SDPs conducted by IQAC

- **Faculty Empowerment Program (Communication & Attitude building), Multiple Session** 6th July to 30th Nov 2019. Resource: Mr. Nitesh and Team- A series of sessions under this program helped the faculty members to groom their overall personality and to improve teaching learning process through effective communication.

- **Smart Office & Data Management Training** (6th July, 2019) Resource: Mr. S. Sen, GM IT, MRIIRS and Team. Selected Teaching and non-teaching staff of MRIIRS to undergo this training. The perception is to make them able to use IT tools more efficiently.

- **FDP on IPR & Research Methodology** (6th July, 2019) - Faculty members would be able to design their product-based research modules. They were also made aware about the types of researches that can be filed as patents. The intent was to spread awareness of Intellectual Property Rights in India.

- **FDP on Effective Teaching in association with NITTTR, Kolkata** (15th July - 19th July, 2019) - A group of 21 faculty members attended the FDP on effective teaching. The participants would be able to inculcate the best practices of effective teaching in their respective courses and study programmes.

- **Faculty Empowerment Program, New Techniques in Pedagogy** (20th July, 2019) Resource: Dr. Rashee Singh, Dr. Savita Sharma and Dr. Ritu Sharma, Education Dept, MRU- Vivid hands on activities, brain storming discussions and interactive use of digital media made the participants ponder upon relevance of having scientific approach towards the process of classroom teaching-learning through Bloom's Taxonomy. Organized FDP was perceived by the participants to be very engaging, informative and extremely relevant in the light of contemporary focus on the topic.

- **Session on SPSS** (20th July, 2019) Resource: Dr. Mahak Sharma, AP, Deptt of N&D, FAS- A hand-on session on usage of SPSS was conducted for faculty members. Attendees would be able to use SPSS for statistical analysis.

- **Session on the Power of Public Speaking** (20th July, 2019) Resource: Ms. Diksha Bhatia, Manager, Events - An interactive session was conducted to make faculty members witness and experience the public speaking sessions.

- **Session on Research Awakening & Methodology** (20th July, 2019) Resource: Dr. Y.K. Awasthi, Associate Professor, ECE, FET- Faculty members were given insight of key steps to write an effective research paper and identify their research statements.

- **Training on Central Print Management and troubleshooting** (24th - 25th July and 29th July 2019) Resource: Mr. S. Sen and team, GM IT, MRIIRS - Training was conducted for selected teaching and non-teaching members to make them understand and use Central Print Management facility.

- **User training on Kyocera management server and quota allotments, user management** (26th July, 2019) Resource: Mr. S. Sen, GM IT, MRIIRS and team - Closed user training on Kyocera management server and quota allotments, user management was also conducted for selected teaching and non-teaching members.

- **Workshop on structuring course outcomes as per Bloom's Taxonomy** (2nd Aug., 2019) Resource: Ms. Rachna Misra, MRIIRS - A very interactive workshop was conducted for HoDs and curriculum coordinators. Attendees were able to understand the levels of Bloom's taxonomy to further apply the knowledge for designing of course outcomes.

- **Worklife Balance Holistic Development & Team Building** (3rd Aug., 2019) Resource: Dr. Shobha Srivastava, DR-MRIIRS, Dr. Gurjeet Chawla, Associate Dean - (DSW) - A participative session was conducted for around 17 faculty members. They were able to understand that the biggest benefit of a holistic approach isn't just about mental development, but it encompasses psychological, social and emotional growth.

- **Workshop on Networking Protocols** (3rd Aug., 2019) Resource: Mr. Alphish Dhengre, Networking Engineer, Network Bulls, Gurgaon: A group of 18 faculty members and students attended the workshop. Attendees were able to perform Network configuration and visualization on the Packet Tracer network starting from creating MAC address to configure the complete network and evaluate the performance of simulated network.

- **STC on 'Image and Signal Processing using Scilab' in collaboration with NITTTR, Chandigarh (5th Aug. - 9th Aug., 2019) -** Resource: Dr. Maitreyee Dutta and her team, NITTTR, Chandigarh - A group of 16 faculty members and research scholars attended this five day long short term course on Image and Signal Processing using Scilab. Attendees were able to use this open source platform very efficiently for their image processing projects.

- **One day workshop on Ishikawa for Quality Control (1st Feb., 2020) -** One day workshop on Ishikawa for Quality control was conducted on Feb. 01st, 2020 for Head of the Departments of MRIIRS and respective Department Academic Committee members. A total of 51 participants attended the workshop. Attendees were able to understand the importance of quality initiatives and monitoring their effective implementation via Ishikawa quality tools for continuous improvement.

- **Malcolm Baldrige Model for Quality Assurance in Universities (15th Feb, 2020) -** A total of 64 participants attended an interactive workshop on Malcolm Baldrige Model for Quality Assurance in Universities on Feb 15, 2020. Participants were able to understand the importance of alignment of strategies with the organization's objectives for overall performance improvement of any organization.

- **Expert talk on 'Teaching-Learning Pedagogical Techniques' (20th Feb., 2020**) Resource: Prof. Avinash Chandra Pandey (Director, IUAC-Inter University Accelerator Center, New Delhi) - This interactive session was attended by more than 25 faculty members including VC, PVC, Registrar and Deans - Directors of MRIIRS and MRU. Attendees were able to understand the impact of problem based learning with the help of showcased case studies.

- **STC on 'Research-Oriented Project Work' in association with NITTTR Chandigarh** (24th - 28th Feb, 2020) - Resource persons were from NITTTR Chandigarh - A total of 57 Participants from MRIIRS, MRU and Amity University attended the STTP with full vigour and learnt about the various facts related to "Research Oriented Project Work". Various experts from Academia as well as Practitioners in the field of Electronics, Civil, Mechanical and other engineering branches delivered their lectures on various aspects of Research and project work i.e. Research Project Management, Research and Industrial Project Funding. Various case studies related to Robotics, IoT, Electroics, Civil, Mechanical, Open source software were presented and discussed.

- **Research Gate etc. (29th Feb 2020)** - A total of 96 faculty members and HoDs of the faculty of Engineering and Technology, attended the program. Faculty members were briefed about importance of research profile on various research-based portals. They would be able to create accounts on Research portals: Google Scholar, Elsevier, WoS, and Research Gate etc.

- **FDP on Quality Assurance and Sustenance in Higher Education Institutions (2nd – 6th March)** One week FDP on Quality Assurance and Sustenance in Higher Education Institutions was conducted from April 02nd – 06th, 2020. It was attended by a total of 46 participants. The FDP was focused on Roles and functions of IQAC, deployment of policies and procedures and effective participation of stakeholders for Quality sustenance.

- **Orientation workshop on Revised Accreditation Framework of NAAC (7th March, 2020)** A total of 65 participants including Deans & Directors of all faculties of MRIIRS, HoD's of all departments of MRIIRS along with one NAAC representative from each department, attended the workshop. Attendees were able to understand the various qualitative and quantitative metrics of criteria –I, II & VI.

- **Orientation workshop on Revised Accreditation Framework of NAAC (13th March 2020)-** A total of 63 participants including Deans & Directors of all faculties of MRIIRS, HoD's of all departments of MRIIRS along with one NAAC representative from each department, attended the workshop. The workshop was focused on creating awareness about Revised NAAC Accreditation Process. Attendees were able to understand the whole process of NAAC assessment including SSS.

- **FDP on "Heating, Ventilation & Air conditioning" sponsored by AICTE-ISHRAE** (2nd March - 6th March 2020) - A five day long Faculty Development Programme on Heating, Ventilation & Air conditioning (HVAC) sponsored by ISHRAE-AICTE was successfully conducted. A total of 2.50lacs grant is received (before tax) from ISHRAE-AICTE. The FDP programme received an overwhelming response from all 34 participants. Participants were able to understand about concepts of Rationalized Chiller Selection by Thermal Energy Storage, Evaporative Cooling System and Ducting Design, Thermal Design and Analysis of Counter Flow Cooling Towers, Thermal Insulation of Buildings, Alternative Sources of Energy, Cold Chain and its Applications and Design, Criteria-Equipment Selection and Smoke & Indoor Air Quality Management. This was followed by a Visit to BRY Air Asia Pvt. Ltd. Gurgaon.

- **Session on 'Online Engagement of Students through Microsoft Teams (**17th March 2020) Resource: Mr. Sen GM IT, MRIIRS- Around 17 faculty members attended the exposure session to understand about Microsoft Teams as collaborative suite, Microsoft Teams for conducting remote class room, Microsoft team share point for collaborative document preparation and editing wit version management, Microsoft Teams Streams to host videos online , SharePoint portal for hosting departmental and personal web page and Organizing meetings.

- **Training sessions on MS Teams for online teaching** (21st - 23rd March, 2020) Resource: Ms. Isha Porwal, Program Manager Office 365 Adoption Program, InfiSpark- A series of training sessions were conducted to shift the conduct of academic class from contact mode to ICT mode since March 23rd 2020 onwards amidst this pandemic Covid-19. The sessions were organized first for senior management including Deans, Directors and HoDs (21st March 2020, Participants- 65). The second set of series was organized for coordinators identified for creations of Teams - channels as per different semesters and programmes and faculty members (22nd March 2020, Participants-245). The third set of series was conducted for leftover faculty members and non-teaching staff to make them understand the usage of MS-Teams for teaching, conducting meetings and FDPs (23rd March 2020, Participants-220)

- **Workshop on 'Bloom's Taxonomy from Examination Perspective'** (9th April, 2020) Resource: Dr. Sanjay Srivastava (VC, MRIIRS) - A total number of 104 faculty members including Deans, Directors and HoDs of MRIIRs attended this session. Attendees would be able to design question papers to assess different Bloom's level.

- **Workshop on 'Online Assessment Methodologies'** (20th April, 2020) Resource: Dr. Sanjay Srivastava (VC, MRIIRS) and Dr. I. K. Bhat (VC, MRU) - More than 100 faculty members including Deans - Directors and HoDs of MRIIRs attended this session. Attendees were made aware about the possible online assessment methodologies that would help them in assessing students enrolled in their respective courses.

- **Expert talk on COVID-19**: Spreading Facts not Fears, in association with FDS, MRIIRS (23rd April, 2020) Resource: Dr. Shakeela Mahesh and Dr. Meena Jain, MRDC- The session was attended by more than 100 faculty members. They were able to understand the Microbiology and Spread, Clinical features& diagnostic tests of COVID-19, role of Hand Hygiene and use of masks, Home quarantine guidelines, Do's and Don'ts for Senior Citizens followed by Guidelines on disinfection of common public places including offices.

- **Session on Use of Microsoft Team Platform for conduct of online examination** (24th April, 2020) Resource: Dr. Naresh Grover-Dean Academics MRIIRS, Dr. Brijesh-HoD IBM Programmes and Dr. Rashima Mahajan- Associate Professor, CSE- This session was organized for all faculty members of MRIIRS to make them aware about the process involved in creating and assigning password protected question papers on Microsoft Teams Platform for conduct of online examination. Faculty members would be able to create and assign question papers while maintaining all the norms as conveyed by CoE, MRIIRS.

- **Panel Discussion-Post Lockdown: Is the Economy heading towards Recession or Great Depression** (24th April, 2020) Panelists: Dr. V K Mahna, Professor Emeritus & Advisor IQAC; Prof. Monika Goel; Dr. R K Arya, Dr. Anil Sarin, Dr. Rajat Gera- The purpose of this panel discussion was to find out some solutions to cope up with the hurt economy. Effective suggestions and strategies were discussed and further actions were forecasted. It was attended by around 40 participants.

- **Session on Some Salient Aspects of The Indian Governance Mechanism: Prashanik Tantra** (16th May, 2020) Resource: Dr. V K Mahna, Professor Emeritus and Advisor IQAC, MRIIRS- More than 100 faculty members including Deans-Directors and HoDs of MRIIRs attended this session. Attendees were made aware about the Indian Governance framework that would help them to correlate the constituents of the University's internal mechanisms, committees responsible for the implementation of the best practices of corporate governance.

B. IQAC Meetings

During the year 2019-20, IQAC meetings for all the **four** quarters were held in which representatives of all stakeholders including experts from industry were invited.

C. Major Quality Initiatives Undertaken

Several quality initiatives were undertaken during the year as per pre-planned Quality Calendar prepared for the purpose.

a. Regular quarterly meeting of Internal Quality Assurance Cell (IQAC) were held during the year.

b. Feedback from various stakeholders were collected in the form of Student Course Feedback, Student Feedback, Alumni Feedback, Employer Feedback, and Faculty Feedback. Response from various stakeholders analyzed and action taken, wherever required.

c. Participated in NIRF under the category of Engineering, Management, and Overall Ranked 164 for Engineering and under 151 to 200 for Overall Category. QS I-Gauge Gold Rated and 5 Star Rated Institutes.

d. Successful Establishment of Local Chapter of NPTEL-SWAYAM at MRIIRS.

e. Successful Establishment of Nodal Centre of Virtual Labs, IIT Delhi at MRIIRS.

f. Successful Establishment of Remote Centre for Global National Knowledge Network (NKN) under the expression of interest (EOI) between ECE-FET, MRIIRS and ICT Academy Malaviya National Institute of Technology, Jaipur.

g. Introduction and Implementation of Vertical Mentoring System.

h. Academic and Administrative Audit (AAA) got conducted for all the departments of the University by including members from IQAC, External member and one representative from the concerned Department.

i. ISO Certification for the following units - departments of the University: Library, Examination, Training and Placement Cell under process.

More than 30 SWAYAM-NPTEL certifications were earned by faculty members during AY 2019-20:

- **Dr. Suresh Kumar and Ms. Veena Tayal**: 'Accreditation and Outcome Based Learning' (8 weeks, Aug-Nov 2019)
- **Dr. Abhilasha Shourie:** 'Nanotechnology in Agriculture' (8-weeks, Aug-Oct 2019)
- **Dr. Rashima Mahajan**: 'Introduction to Internet of Things' (12-weeks, July-Oct 2019) and 'Industry 4.0 and Industrial IoT' (12 weeks, Jan-April 2020)
- **Dr. Indu Kashyap and Ms. Rachna:** 'Introduction to Machine Learning' (8 weeks, Aug-Nov 2019)
- **Dr. Shilpa S. Chapadgaonkar**: 'Computer Aided Drug Design' (8 weeks, Jul-Sep 2019) and 'Biostatistics and Design of experiments' (8 weeks, Jan-March 2020)
- **Dr Sabiha Imran: '**Academic Writing' (15 weeks, July-Dec 2019)
- **Dr. Sunita Bansal:** 'Sustainable Materials and Green Buildings' (12 weeks, July-Oct2019) and' Maintenance and Repair of Concrete Structures' (12 weeks, Jan-April 2020)
- **Dr. Mahak Sharma:** 'Introduction to Biostatistics' (8 weeks, July-Sep 2019)
- **Dr. Upasana Yadav:** 'Functional Foods and Neutraceuticals' (15 weeks, July-Oct 2019) and 'Food Microbiology and food safety' (15 weeks, Jan-May 2020)
- **Dr. Seema Verma, Dr. Meeta Singh and Dr. Deepa Bura**: 'Data Mining' (8 weeks, Feb-April 2020)
- **Dr. Shelja Sharma**: 'Cloud Computing' (8 weeks, Jan- March 2020)
- **Dr. Poonam Nandal and Ms. Srishty Jindal:** 'Introduction to Machine Learning' (8 weeks, Feb-April 2020)
- **Dr. Rosy Madan, Dr. Poonam Tanwar, Ms. Pinki Sagar and Ms. Neha Batra: '**Data Science for Engineers' (8 weeks, Feb-April 2020)
- **Dr. Madhumita Kathuria: '**Deep Learning' (8 weeks, Feb- April 2020)
- **Ms. Shobha Tyagi:** 'Introduction to Blockchain Technologies and Introduction' (8 weeks, Feb-April 2020)
- **Ms. Rashmi Rameshwari:** 'Speaking Effectively' (8 weeks, Jan-March 2020) and 'Bioinformatics: Algorithm and Applications' (12 weeks, Jan-April 2020)
- **Dr. Soma Patnaik: '**Biostatistics and Design of experiments' (8 weeks, Jan-March 2020)
- **Dr. Vijay Kumar:** 'Introduction to Machine Learning' (12 weeks, Jan-April 2020), 'Basic Linear Algebra' (8 weeks, Feb-April 2020) and 'Linear Algebra' (12 weeks, Jan-April 2020)
- **Dr. Meghna Chhabra:** 'Understanding Design Thinking and People-centered Design' (4 weeks, Feb- March 2020)

Noteworthy Achievements:

Grants from AICTE to Conduct STTPs

Manav Rachna International Institute of Research & Studies was granted approval by AICTE to conduct following STTPs under AQIS 2018-19.

- 34-65-385-RIFD-STTP-Policy-1-2018-19 Dated 12 Dec, 2019: **Rs 348166/-** sanctioned to EEE Dept for 03 Online STTPs on Recent Trends in Industrial Automation
- 34-65-386-RIFD-STTP-Policy-1-2018-19 Dated 12 Dec, 2019: **Rs 221666/-** sanctioned to CSE Dept for 02 Online STTPs on Artificial Intelligence and Machine Learning
- 34-65-387-RIFD-STTP-Policy-1-2018-19 Dated 12 Dec, 2019: **Rs 388333/-** sanctioned to ECE Dept for 04 Online STTPs on Internet of Things for Emerging Engineering Applications

EVENTS ORGANISED: 2019-20

Title	From	To
Training Program on Smart Office & Data Management	01-07-2019	06-07-2019
Session on IPR & Research Methodology	01-07-2019	06-07-2019
Short Term Course on 'Effective Teaching' in collaboration with NITTTR	15-07-2019	19-07-2019
Faculty Empowerment Program: New Techniques in Pedagogy.	20-07-2019	20-07-2019
Workshop on the usage of SPSS	20-07-2019	20-07-2019
Session on The Power of Public Speaking	20-07-2019	20-07-2019
FDP on Research Awakening & Methodology	20-07-2019	20-07-2019
Training on Central Print Management and trouble shooting for staff members	24-07-2019	25-07-2019
Closed user training on Kyocera management server and quota allotments, user management.	26-07-2019	26-07-2019
User Training on newly implemented central printing mechanism training for staff members	29-07-2019	29-07-2019
Microsoft office 365 Training for staff members	08-01-2019	08-01-2019
Workshop on Structuring course outcomes as per Bloom's Taxonomy for Quality sustenance in Teaching Learning	08-02-2019	08-02-2019
FDP on Worklife Balance: Holistic Development & Team Building	08-03-2019	08-03-2019
Workshop on Networking Protocols	08-03-2019	08-03-2019
STC on 'Image and Signal Processing using Scilab' in collaboration with NITTTR, Chandigarh	08-05-2019	08-05-2019
Training Program for IC Engine Lab equipment Usage and Maintenance	27-09-2019	27-09-2019
Session on 'An endeavour to enhance pedagogical delivery'	28-11-2019	28-11-2019
Training program on Soft Skills for non-teaching staff	30-11-2019	30-11-2019
Training Program for Mechanical Workshop Equipment Usage and Maintenance	12-07-2019	12-07-2019
One day workshop on Ishikawa for Quality Control	02-01-2020	02-01-2020
Malcolm Baldrige Model for Quality Assurance	15-02-2020	15-02-2020
Session on Teaching Pedagogy and Learning Outcome Attainment Techniques	20-02-2020	20-02-2020
Workshop on Creating accounts on Research portals: Google Scholar, Elsevier, WoS, Research Gate etc.	29-02-2020	29-02-2020
FDP on Quality Assurance and Sustenance in Higher Education Institutions	02-03-2020	06-03-2020
Workshop on Revised Accreditation Framework of NAAC (Part-I)	07-03-2020	07-03-2020
Workshop on Revised Accreditation Framework of NAAC (Part-II)	13-03-2020	13-03-2020
Orientation Workshop on 'Online Engagement of Students through Microsoft Teams'	17-03-2020	17-03-2020
Orientation Training Program on MS Teams for online teaching	21-03-2020	23-03-2020

Workshop on Revised Accreditation Framework of NAAC (Part-III)	04-04-2020	04-04-2020
Workshop on 'Bloom's Taxonomy from Examination Perspective for Quality sustenance	09-04-2020	09-04-2020
Orientation Workshop on 'Online Assessment Methodologies'	20-04-2020	20-04-2020
Orientation Workshop on Use of Microsoft Team Platform for conduct of online examination	24-04-2020	24-04-2020
Workshop on CO attainment and analysis: A Quality Benchmark in Outcome Based Education	20-06-2020	20-06-2020

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Quantitative Aptitude I	03-01-2020	1038	Farhaz Khan (Sr. Trainer), Career Development Centre
Quantitative Aptitude III	03-01-2020	1124	Richa Sharma (Manager), Career Development Centre
Infogain Training Session - Aptitude & Reasoning Development	04-09-2019	10	Richa Sharma (Manager), Career Development Centre
Infogain Training Session - Interview Skills	04-09-2019	10	Namrata Kapur (Manager), Career Development Centre
Pre Placement Crash Course - Aptitude & Reasoning	05-08-2019	203	Farhaz Khan (Trainer), Career Development Centre
Pre Placement Crash Course - Employability Session	05-08-2019	203	Nitesh (AGM), Nitin Jain (Asst. Manager), Monika (Trainer), Career Development Centre
Pre Placement Crash Course - Practice Test	05-08-2019	203	Career Development Centre
Pre Placement Crash Course - Verbal Ability Test(VAT)	05-08-2019	203	Monika (Trainer), Career Development Centre
Langauge Lab Training	13-01-2020	355	Career Development Centre in association with VISIONet Info Solution Pvt Ltd

5.2 Corporate Relations and Career Management Centre (CRCMC)

Corporate Relations and Career Management Centre has two significant wings, viz. 'Career Deevlopment Centre (CDC)' & 'Corporate Resource Centre (CRC)'

CDC is the learning and training arm of Manav Rachna International Institute of Research Studies which looks after the skill enhancement requirements of students. Whereas, CRC helps in getting the students placed.

CDC operates on the following philosophy -

- Do intelligent self-assessment with an objective of exploring personal attributes (skills, values, strengths, motivations, etc.)
- Explore opportunities in the market and make informed career decisions
- Identify and bridge industry academia gap
- Create a compelling action plan (help in to create effective Resume, Covering - Letter as well as preparation for Personal Interview etc.)
- To mentor students to get placed in the company of their choice

CDC is accorded with the profound responsibility of enhancing employability skills of the students – an aspect that has taken as much prominence as the technical know "how" in the corporate world. We impart training in Personality Development, Communication & Soft Skills, Verbal Ability, and Quantitative & Reasoning Aptitude, spread across semesters, as an embedded part of every course available at MRIIRS.

Employability Training, Assessments & Preparation for placement

CDC has also tied up with leading skills assessment platforms to foster detailed Training Need Analysis of the students. These assessments evaluate students on various employability skills. Crash courses and industry specific trainings are conducted before the start of the placement season so that the students are better equipped to handle placement opportunities.

Coaching and Mentoring Aptitude & Personality Development

The Dept. provides extensive process oriented and activity driven training on Personality Development, Business English, Business Communication and Aptitude Development. These trainings are delivered in two formats – Regular Semester coaching and Crash courses.

Program Structure	
First Year	Professional Communication, Communication
Second Year	Aptitude, Reasoning, Personality Development & Communication Skills
Third Year	Aptitude, Reasoning, Personality Development
Fourth Year	Employability Augmentation – Cognitive, Group Discussion & Personal Interview
Crash Course	Company Specific Programs on Aptitude, VAT, GD & PI

Curriculum & Delivery Approach

Curriculum Design & Development

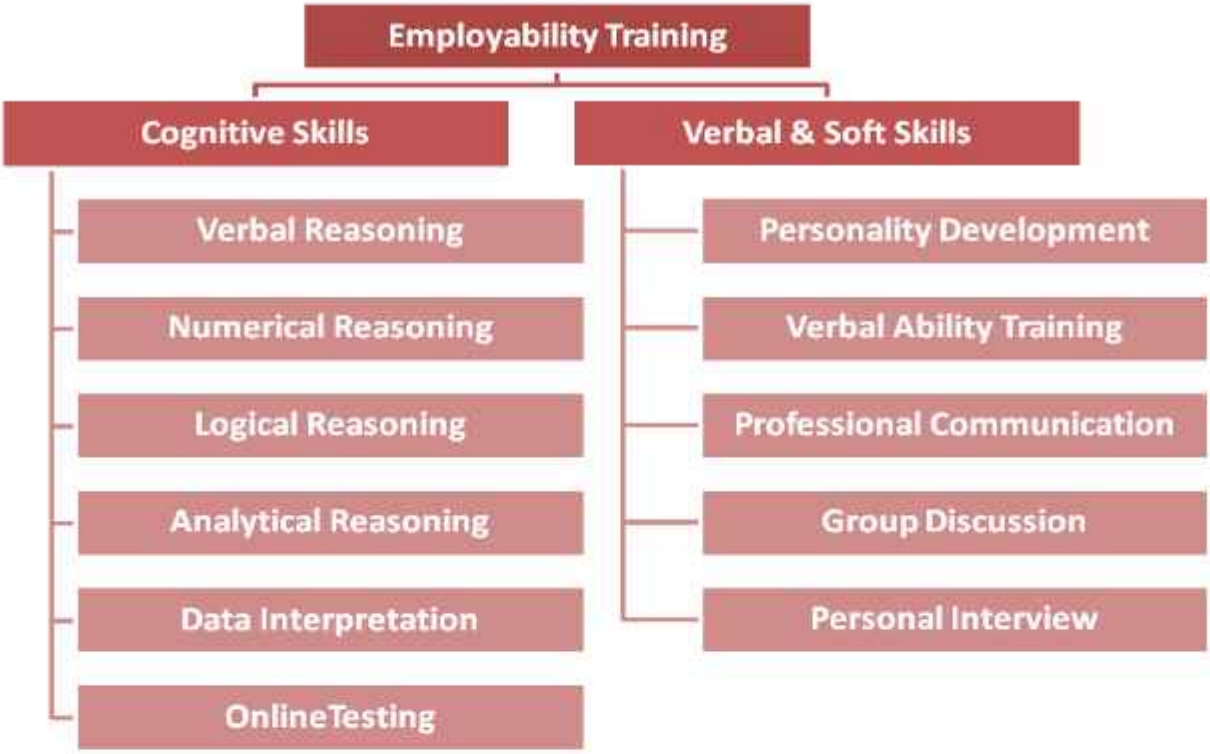
- Focus: To bridge Industry – Academia Gap
- Consultation with Industry Experts, Students, Employers and Faculties
- Revision of Curriculum as per latest Industry requirements
- Linked to description of learning outcomes & quality assurance taking into account Bloom's Taxonomy

Delivery Approach

- Customized Training Plans for various programmes
- Extra hand holding to weak students
- Quizzes & Events
- Case Study Analysis
- Self paced learning
- Experiential Learning
- Video Based Learning
- Use of technology & software to support learning

Teaching Aids

- Handbooks
- Power Point Presentation
- Online Mock Tests
- Online Assignments
- Audio-Visual Aids
- Case Studies



Communication Gym

Communication is the life blood of any transaction, that takes place in the world and hence communication ability is the most sought-after non-academic skill by employers all over the World – irrespective of the industry or the job profile. Whether it is about being able to grasp what is being taught in the class, or appearing for an interview during recruitment or amalgamating well in a workplace, a person with appreciable communication skills is often seen surpassing his counterparts with lesser degree of interaction capabilities.

Manav Rachna in collaboration with **Vision Net** devised an integrated, one-of-its-kind Language Lab for providing its students state of the art facilities to make communication enhancement exercises engaging and fun filled. This language Lab called the "Communication Gym" is equipped with interactive software that helps in providing individualized teaching to students, depending on their capabilities.

The Communication Gym **uses a unique blend of Trainer-Led and Self-Led Learning**. This methodology exposes the learner to both real-life scenarios and situational learning using simulation techniques, coupled with cutting-edge technology and multimedia rich content. Manav Rachna is proud to bring this feature to its students and ascertain that it will help them to gain, the much required edge in this competitive World.

Zenith – CDC's Rewards & Recognition Programme

Zenith is an event which marks the culmination of every academic semester. Meritorious students from all the departments are felicitated to further augment their learning endeavor. The mega event is conceptualized and executed in intellectual incubation by team CDC.

Placements

Corporate Resource Centre at Manav Rachna is one of the facilitating units of Manav Rachna Educational Institutions (MREI), which engages with the industry and strives constantly for expanding the industry-academia interface. It is a fond dream of every student undertaking a professional course, to get a job offer through Campus placements. Fulfilling these dreams of the students has been a constant endeavor of Corporate Relations team at Manav Rachna.

In addition, the team keeps abreast with the needs of the job market during its interaction with the industries and provide valuable input to the teaching faculty regarding the market relevant skills so as to prepare our students to become more employable, equipped with market ready skills.

In an effort to streamline the placement process we make use of an 'Online Registration Portal' for Campus placement. All the students of final year who are interested for placement have to register on portal. It helps us to identify the eligible students for a particular Campus drive based on the criteria provided by recruiting company.

The Team plays an important role in shaping the careers of students - down from the time of their induction and orientation to leading them to summer internships, mid-term projects, etc. and guiding them till the time of their final placements and even beyond that. We bring the Industry and academia close to provide need - based education and organization support. We organize corporate guest lectures and industry interaction.

Despite the nationwide lockdown imposed in March 2019, MRIIRS witnessed over 170+ organizations, across sectors.

The first time recruits include: 3 Pillar Global, Add Pushup, Mohan Energy Corporation, Code Nation, Commvault, Mahindra Comviva, Cavission, Lido Learning, Guardian, Mom's belief, Optum and many more. Regular recruite for 2019-20 batch include: IBM, TCS, Infogain, NIIT Technologies, Yamaha Motors, Motherson Sumi Infotech, HSBC, Tata Steel, Nokia, Polymedicure, Kotak Life Insurance, Quovantis Technologies, Sonalika Tractors, To The New and many more

This year highest salary package for the 2019-20 batch has gone up to Rs 16.50 LPA by Times Internet.

Students benefited by career counseling and guidance for competitive Examinations: 2019-20

Activity Description	No. of Participants
Scheme of Civil Services Examination by UPSC	55
Preparation Strategy for Recruitment by Haryana Public Commission	62
Guidance for Competitive Exam & Career Counselling	125
Career under Defence Services through CDS Examination by UPSC	88
Interaction Session on Career Pathways	60
Career Prospects in Urban Scenarios for Architect and Designers	51

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Awareness on Telecommunications and Wireless services	13-03-2020	15	Mr. Ravi Gupta Manager - HR Bharti Airtel Limited
Transaction Banking Services and Merchant Banking Services	06-03-2020	91	Mr. Vineeth Talent Acquisition Federal Bank
Awareness of Customer Services to Meet Identified Targets	13-02-2020	25	Mr.Tarun Mehrotra, Talent Acquisition, Retail. Amazon
Awareness on Application Development and Maintenance	05-02-2020	14	Ms. Kanika, Noducuo Software Solutions
Business Development and Trading Services in India	24-01-2020	12	Ms. Muskaan Mahajan Sr. Executive-HR Aroma Engineering
Online and Offline Schooling and Curricula	22-01-2020	41	Ms. Charu Seth Senior Manager Extramarks Education India Pvt. Ltd.
Awareness on Manufacturing and Marketing of Finished Products	16-01-2020	37	Ms. Charu Khullar Manager HR, Tata Steel
Awareness on Transform Business to Digital Enterprise	14-01-2020	29	Ms Sonam Singh F13-Tech
Awareness on Solar Electrification	07-01-2020	5	Ms. Ninu Raina Manager - HR Mohan Energy Corporation
Awareness on Data Protection and Data Management	24-12-2019	58	Mr. Shashwat Manager - HR Commvault Systems

Awareness on Mobility Solutions and Outsourcing Management	10-12-2019	18	Ms. Richa Asthana Manager - HR Craterzone Pvt. Ltd.
Awareness on Banking and Financial Services	09-12-2019	18	Mr. Sachin Pandey, IT Project Manager, IT- HSBC Technology
Awareness on Quality of Healthcare to Mankind	05-12-2019	10	Ms. Nidhi Sharma HR - Manager, Polymedicure
Awareness on Product Engineering and Emerging Technologies	29-11-2019	22	Ms. Prerna Rajan HR Damco Solutions
Intelligent Technology for Agri. Solutions	19-11-2019	33	Mr. Akash Saxena DGM-HR Sonalika International Tractors
Session on Financial Confidence Plan for Retirement	19-11-2019	38	Ms. R Savitri Lead -Talent Acquisition Guardian Life Insurance Company of America
Awareness on Programmable Logic Controllers	05-11-2019	36	Mr Ashu Nagpal HR Koyo Electronics
Awareness on Artificial Intelligence and Cloud Computing	01-11-2019	27	Ms. Deepika HR - Manager Thinksys Software Pvt Ltd
Awareness on Mobile Patforms for Testing, Monitoring and Diagnostics	22-10-2019	38	Ms. Kajol Gupta Manager-HR Cavisson System
Awareness on Cloud Computing	18-10-2019	68	Mr. Shankar Asst Manager HR My Operator
Awareness on Cloud-based Call Management System	16-10-2019	68	Mr. Shankar Asst Manager HR My Operator
Innovative Solutions for Administrators - Healthcare Payments and Claims Processing	18-10-2019	14	Mr. Amitabh Chandel Sr. Executive- HR CXC Infotech
Audit Services to Public and Private Entities	16-10-2019	31	Ms. Vijeta HR - Talent Acquisition & Generalist Crowe Horwath
Patent Research and Analysis	15-10-2019	40	Ms. Monika Ahuja, HR - Manager Expert Lancing
Awareness on Software development and Data Intelligence	15-10-2019	68	Ms. Shilpi Agarwal Manager-HR Contata Solutions
Analytics & Reports & Inventory Management System	01-10-2019	54	Pooraa HR (A division of Indiamart)

Awareness on Customer Service Operations Globally	30-09-2019	66	Ms. Anupma Rajput Sr Executive HR NovelVox Softwares
Awareness on How to Structure Project Timelines	24-09-2019	163	Mr. Rajat Bansal, Head - HR, Quovantis Technologies
Awareness on Hospitality Management Technology	20-09-2019	106	Ms. Ritika Sood, HR, Cvent
Compensation and benefits in Indian Educational Technology (EdTech)	19-09-2019	176	Ms. Pooja Prakash HR, Lido Learning
Awareness on Online Courses to Develop Online and Technology based Programmes	17-09-2019	160	Mr. Altamash Senior Executive, HR Jaro Group
Awareness on Engineering Business Outcomes	16-09-2019	96	Ms. Aneesh Jain, HR Manager, IT., NIIT Technologies
Awareness on Innovative and customized solutions for Web Applications	13-09-2019	53	Mr. Abhimanyu Ex2 Solutions
Awareness on Digital Platforms and Products with Cloud and Data	12-09-2019	42	Ms. Preetika Maulika, Senior Executive-HR, IT, To The New
Awareness on Software Product Development and Mobile Applications	10-09-2019	33	Ms. Sheetal Malhotra, Manager, Software. 3 Pillar Global
Awareness on Engineering Business Outcomes	06-09-2019	104	Ms. Neelima Trehan, Campus Lead, IT, Infogain
Awareness on Digital skills and cloud applications	04-09-2019	42	Ms. Dipannita Sur, Recruitment Specialist, IT, Maven Wave
Awareness on Network of Innovation - IoT & Digital Engineering	13-08-2019	65	Mr. Shivasish Sarangi, Campus lead,IT

Prominent Recruiters: (AY2019-20)

Prominent Placements 2019 – 2020 Batch:

Company Name	CTC (Rs LPA)	No. of selected Students
Times Internet	Rs 16.50 LPA	1
HSBC Technology India	Rs 15.00 LPA	1
Jaro Group	Rs 12.00 & Rs 5.88 LPA	5
Extra Marks	Rs 12.00 LPA	1
Lido Learning	Rs 10.00 LPA	3
BlueStack	Rs 8.50 LPA	1
Lido Learning	Rs 8.00 LPA	1
Cognizant	Rs 7.19 LPA	1
Caeli Innovations	Rs 8.00 - Rs 7.00 LPA & 6.00 LPA	3
Freecharge Payment technologies	Rs 6.77 LPA	1
To The New	Rs 6.75 LPA	1
Maruti Suzuki	Rs 6.60 LPA	2
Indusind Bank	Rs 6.50 LPA	1
IBM	Rs 6.12 LPA	1
Jinigram	Rs 6.00 LPA	1
Volvo Eicher Commercial Vehicles	Rs 5.50 LPA	1
E&Y	Rs 5.50 LPA	1
Hike Education	Rs 5.40 LPA	1
eTeam Infoservices	Rs 5.16 LPA	1
IBM	Rs 5.10 LPA	1
My Operator	Rs 5.00 LPA	1
Hiveloop Logistics	Rs 5.00 LPA	1

TATA
TATA CONSULTANCY SERVICES
NIIT
technologies
Trust us to find the way
NOKIA
IBM
GrapeCity
TATA STEEL
Indus Valley Partners
HSBC
YAMAHA
DRISHTI
NEWGEN
HDFC BANK
hp
MavenWave
VVDN
TECHNOLOGIES
nagarro
IndiGo
KRISHNA
DRISHTI
infogain
MARUTI SUZUKI
BYJU'S
The Learning App
Reliance
Jio
jaro education
IndusInd Bank
VLCC
SLIMMING | BEAUTY | FITNESS
FOR MEN AND WOMEN
IBS
MACAWBER
Career Launcher
POLYMED
Medical Devices
Capgemini
Deloitte.
JTEKT
amazon
moglix
SONALIKA
INTERNATIONAL

wipro
Cognizant
EY
VOLVO
EICHER
kotak
Kotak Mahindra Bank
SAMSUNG
comviva
oppo
AIS
Asahi India Glass Ltd.
FEDERAL BANK
YOUR PERFECT BANKING PARTNER
adpushup
TOPPER
LEARNING
Get More Marks
SANMAR
CINDA
vivo
ACCOLITE
NTT DATA
CONTATA
SOLUTIONS
MOODY'S
Justdial
India's No.1 local search engine
IDFC FIRST
Bank
Extramarks
amazon
JBM
Group
Our milestones are touchstones
BT
cvent
TO THE NEW
DXC.technology
EVEREST
FRANCHISE INDIA
Ideas for Tomorrow
Dr Shikha's
NUTRIHEALTH
accenture
Indiabulls
kotak
Life Insurance
Agilent
Trusted Answers
CEASE
FIRE

MANAV RACHNA
Congratulations
Somya Dwivedi
Student of B.Tech (CSE), FET
for being selected with
HSBC | Technology
of an Annual Package of
Rs. 15 Lac

MANAV RACHNA
PLACEMENT HIGHLIGHT
Congratulations
SAYEM UDDIN KHAN
MRIIRS
for getting placed in
CONTATA SOLUTIONS
Manav Rachna Corporate Relations & Career Management Centre

MANAV RACHNA
PLACEMENT HIGHLIGHT
Congratulations
ABHINAV GUPTA
BARDHA RAJPUT
MRIIRS
for getting placed in
Extramarks
Salary Package : 12.04 LPA
Manav Rachna Corporate Relations & Career Management Centre

MANAV RACHNA
Placement Highlight
Congratulations
AYUSH SRIVASTAVA
SURAJ MAKKAR
VANSH TARA
Students of B.Tech
for getting placed in
LiDO
Annual Package : Rs.10 Lakh

MANAV RACHNA
Placement Highlight
Congratulations
EKANSHI KUMAR
MOHIT KHANNA
JATIN TOKAS
Students of B.Com, FCBS, MRIIRS
for getting placed in
wipro

MANAV RACHNA
PLACEMENT HIGHLIGHT
Congratulations
POOJA SHARMA
MRIIRS
for getting placed in
NIIT technologies
Manav Rachna Corporate Relations & Career Management Centre

5.3 International Education Center

IEC is a constituent facilitation unit of Manav Rachna International Institute of Research and Studies (MRIIRS), formerly Manav Rachna International University (MRIU) which primarily looks after all matters relating to initiation, development, establishment and sustenance of relationships and tie-up with Foreign Education providers and their representatives in India and abroad. With its global outlook and reach, MRIIRS has much to offer in the way of learning opportunities both inside and outside the classroom at Post Graduate, Under Graduate & Doctorate level in a truly international environment. It aims to develop and sustain viable, strong and long-term International relations in the field of education that is sure to benefit the students. The major role of IEC is to enhance MRIIRS's International image on local and International Platform, to explore new relationships; to establish communications with International Education organizations and providers and also to explore avenues to attract students from abroad, so as to live up to the University name truly. The areas of International Cooperation include:

- Exchange of undergraduate and graduate students;
- Exchange of faculty and staff members;
- Joint research and consultancy activities;
- Participation in seminars and academic meetings;
- Exchange of academic materials and other information;
- Special short-term academic programs and projects;
- Cooperation in curriculum development
- Collaboration in international seminars and conferences
- Cooperation in quality assurance
- Collaboration in education export

The International Education Centre also endeavors to explore and develop potential Partners for joint ventures in India and Abroad. Besides, it arranges Foreign Faculty for Guest Lectures at MRIIRS and tie ups for International Accreditations and Recognition. The University has entered into partnerships and tie ups with various foreign universities and institutes across globe including USA, UK, Australia, Canada, Finland, New Zealand, Kyrgyzstan, Argentina, Turkey, Vietnam and many more. We at MRIIRS, take it as our additional responsibility towards our International students, as large numbers of foreign students join our University every year. Keeping in mind the same we have formed an International Students Welfare Committee run by experienced professionals with a well rounded global exposure to attend to the foreign student's personal, administrative and academic matters-issues-problems in the University- be it at the time of their induction at the time of joining or thereafter during their stay as the students of MRIIRS. The University authorities leave no stone unturned in developing and coordinating activities to create and enhance a globally aware and culturally diverse educational environment especially for the foreign students. The University provides a single window service facility to all its international students through the International Education Centre, IEC.

5.4 Manav Rachna Innovation and Incubation Centre (MRIIC)

MRIIC is a seminal initiative of MREI and is dedicated to Founder Visionary Dr. O.P. Bhalla whose dream was to encourage research, innovation and entrepreneurship to help the students to develop their professional entrepreneurial ability and aptitude of setting up their own enterprises. It has been established with a view to cater to the needs of students and faculty members who are inclined towards research, innovation and novel ideas.

The Centre through its various activities encourages both engineering and non-engineering students across various departments to develop innovative and creative business ideas, which, in the subsequent stages are incubated to convert into successful enterprises. The Centre is instrumental in coordinating entrepreneurial education so that they develop necessary background to take up viable and feasible start-up ventures. The Centre regularly organizes business plan competitions through which meritorious projects are identified and selected for direct support.

Industrial Collaboration: Technology is growing rapidly in the current Era and to keep the student up to date to the industry needs, it is necessary to bring the industry onboard with the academics. To impart the skill-set of the Industry to the fresh graduates, these tie-ups play an important role. Some of the major tie-ups are as follows:

S.No	Academic Collaboration	Type of Collaboration	Activities Done
1.	EdGate Technologies-Texas Instruments	The collaboration is done to benefit the students so as to bridge the gap between the academia and industry and provide latest technology in the field of Electronics.	Participation of Students in TI Analog Maker Competition, Open Book TI Contest, Regular Workshops on TI Microcontrollers
2.	Microchip	The collaboration is done to provide training to the students on Microchip platforms.	
3.	Intel	The collaboration is done to provide latest technology in the field of IOT and also sharing the knowledge to the students on INTEL platforms	Several Workshops for students and faculty have been conducted on IOT and multiple projects have been developed by students
4.	Cogenda	The collaboration is done for developing Research projects in the field of VLSI	Training has been conducted for Students in VLSI Domain
5.	TechB	The Collaboration is done to help students to create 3D Models for Rapid Prototyping of the Projects	Training and Workshops have been done for students and various 3D Models have been developed.

International and National Competition: It is important to recognize the talent and skills of the student. And for this purpose we encourage them to participate in International / National Competitions wherein they can showcase their Innovations. Some of the notable awards and competitions won by our students are listed here –

Awards and Recognitions

- **AICTE Vishwakarma Award: Halestein Foodlabs won third prize in AICTE-Vishwakarma Award 2019 (**worth Rs. 21000/-)
- **Cisco Global Problem Solver Challenge 2020: Project CAELI-** An automated Anti-Pollution and Drug delivery mask for Asthmatic Patients. Won People's Choice (10K USD) and India Impact People's Choice Award (5K USD)
- **Microsoft Imagine Cup 2019: Project CAELI:** An automated Anti-Pollution and Drug delivery mask for Asthmatic Patients. Prize Money won 40K USD
- **Mitsubishi Electric Cup 2020-** Team Eco Warriors won the most popular Team award in Mitsubishi Electric Cup 2020 with project entitled "The Plastic Salvager".
- **IIT Mandi Catalyst -** A Technology Business Incubator 2020 - Won the 3 stage competition: Selected for 3 months residential program for further exploring their idea D-Check and got seed funding of 1.5 lacs.
- **National Convention - Research & Innovation in Science and Technology,** Organized by University of Petroleum and Energy Studies - Won 2nd position for Project Global Intuitive Crash Avoidance, at National Convention - Research & Innovation in Science and Technology, Organized by University of Petroleum and Energy Studies
- **IBM ICT Day-** Got Third Position for Project Future Innovative Technology (FIT) based Suitcase.
- **Faridabad Industry Association**: **Project Competition -** Won 3rd position in FIA 2019 for Project: Affordable e-Car Simulators and Won 2nd position in FIA 2019 for Project: IoT based Health Monitoring System using Arduino.
- **Featured in The Better India-**
  - **Pariyayantra: An Air Pollution Mitigation Project**
  - **Face Protection Shield designed by the team of Makershala (TechnoPlanet- a startup incubated at Manav Rachna)**
  - **A Sensor based Smart Switch System that can be operated without any physical touch or contact.**
- **Riddhi Bhardwaj (Student M.Sc. Biotech, MRIIRS) - Qualified Dec. 2019 CSIR JRF NET with 99.4 percentile**
- **Paper Presentation at Oxford University, UK-** Ms. Avneet Kaur Bhatia, PhD Scholar from Dept. of Journalism and Mass Communication presented her research paper on 'Feminist Reflections in Contemporary Punjabi Cinema' at Oxford University, UK
- **Best Trainee at The Oberoi, Gurgaon -** Mr. Prateek Chandel (Student of Hotel Management) was awarded as the Best Trainee at the Oberoi, Gurgaon. During his 20 weeks of Industrial Training, he got 13 appreciation letters from various departments of the hotel.
- **Star Alumni**- Mr. Sanchit Sood (Student of B. Tech Biotechnology, Batch 2015-19) qualified GATE 2019 with All India Rank 0f 110 (score 630). He also qualified JNU-CEEB with AIR-3 and IIT - JAM (BT). Currently, he is pursuing his Masters in BioTechnology from IIT - Kharagpur.

Manav Rachna International Institute of Research and Studies
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TheBetterIndia features the innovation by Manav Rachna students: Caeli -- a light-weight, portable and Bluetooth enabled anti-pollution mask for those who are asthmatic and for chronic obstructive pulmonary disease (COPD) patients.

Team Caeli has recently bagged People's Choice ($10,000) and India's Impact People's Choice ($5,000) Award at Cisco Global Problem Solver Challenge...

Read more here about the product:

Training Programs and Workshops: Training of the students is an integral part of their Engineering Journey because they need to learn the latest technology used in the Industry. So, to train the students on these technologies, regular training programs and workshops are being conducted by MRIIC and its Industry Partner's. Some of the domains that are covered under these are as follows –

- VLSI Designing and Verification
- 3D Printing
- Android App Development
- Web Development
- Embedded System Development using Microcontroller (MSP430, Arduino, AVR, ARM)
- IOT (Internet of Things)
- Embedded System Development using Raspberry Pi and Intel Platform.

I'M A FUTURIST
I'M AN ACHIEVER
I'M AN IDEATOR

5.5 Manav Rachna International Institute of Research & Studies Alumni Association

Established in February 2013, under Manav Rachna Vidyanatariksha Foundation, Manav Rachna International Institute of Research & Studies Alumni Association is a strong Alumni Network of socially responsible and skilled individuals, who share the Manav Rachna heritage. The Alumni Association has taken numerous initiatives to build a robust alumni community which guides and mentors students to take up research projects and thesis to support global change. Alumni association organizes Alumni Corporate Classroom Lectures, Seminars, Workshops and Alumni Meets. These activities and Events go a long way in bridging the gap between the students and Alumni and help them to take forward the Innovation race.

Number of Alumni Events Conducted from 1st July 2019 to 30th June 2020		
S. No.	**Faculty**	**No. of Events Conducted**
1	FET	2
2	FAHS	4
3	FCA	1
4	FMS	1
5	FMeH	3
6	FCBS	6
7	FAD	0
8	FBSS	2
	Total	**19**

List of Alumni Events conducted during 1st July 2019 – 30th June 2020:

Conducted Alumni Activities						
Sl. No.	**Faculty**	**Institute**	**Date**	**Title**	**Total Participation**	**Chief Highlights - Alumni Involved**
1	FET	MRIIRS	10-07-2019	Alumni Interaction	12	Mr Nikil Mudgal
2	FET	MRIIRS	23-05-2020	Alumni Lecture	7	Mr. Brijesh Kumar
3	FAHS	MRIIRS	05-10-2019	Retrace Alumni meet	125	Alumni from Nutrition & dietics and Physiotherapy Department
4	FAHS	MRIIRS	12-07-2019	Alumni Talk	96	New Opportunities in the Era of Nutrition by Ms. Priya Mann & Mr. Likesh Rajput
5	FAHS	MRIIRS	18-09-2019	Alumni Talk	55	Current Opportunities in the field of Nutrition by Ms. Mansi Rajput
6	FAHS	MRIIRS	21-08-2019	Alumni Talk	55	Holistic Nutrition approach by Ms. Surbhi Gandhi

7	FCA	MRIIRS	04-09-2019	Alumni Interaction Session	55	Essential Skills required to Succeed as an Entrepreneur by Ms. Disha Verma
8	FMS	MRIIRS	31-08-2019	RUBRAU – Alumni Meet 2019		2009-11 Batch Alumni Meet
9	FMeH	MRIIRS	06-09-2019	Alumni Talk	69	Ms. Sonali Ahuja
10	FMeH	MRIIRS	01-11-2019	Alumni Interaction	22	Dr. Gunjan Oberoi
11	FMeH	MRIIRS	29-06-2020	Alumni Connect Activity	22	"How to stay positive in Covid Times" by Khushbo Lahary and Chavi
12	FCBS	MRIIRS	11-02-2020	Alumni Lecture	27	Importance of Insurance Sector by Ms. Vaani Taneja
13	FCBS	MRIIRS	09-08-2019	Alumni connect Activity	35	Ms. Aditi Malhotra
14	FCBS	MRIIRS	20-10-2019	Alumni connect Activity	18	"Preparation of competitive exams" by Ms. Riya Gupta
15	FCBS	MRIIRS	20-10-2019	Alumni connect Activity	36	Connect to Corporate" by Mr. Jatin Bhagat
16	FCBS	MRIIRS	20-10-2019	Alumni connect Activity	46	"Entrepreneur Journey" by Ms. Manya Adhlakha
17	FCBS	MRIIRS	31-01-2020	Alumni Interaction	27	"Importance of Developing Personality and Communication Skills" by Mr. Jatin Bhagat
18	FBSS	MRIIRS	11-08-2019	Alumni Interaction Session	31	Ms. Akshita Dewan
19	FBSS	MRIIRS	23-08-2019	Alumni Interaction Session	45	"Careers in Psychology" by Ms. Sanchita Singh

Meetings held during academic year (July 2019 – June 2020):

S. No.	Description	Date
1	Executive Council Meeting	18-12-2019

5.6 STUDENT FACILITATION CENTRE

Established in October 2018, the Student Facilitation Centre (SFC) complements the services available on campus and is the first point of contact for prospective as well as enrolled students for most of their general queries during their academic life at Manav Rachna.

Vision: To make the academic journey of Manav Rachna students smooth at/during Campus.

Mission: To bring one stop solution to all students' needs – a single window clearance system that allows student to seek resolution of issues without unnecessary liaison.

Goal: A strong connects between students, management and relevant stakeholders through transparent and conducive communication channels.

Objective: To ensure a seamless admission process, continuous student engagement and effective problem resolution for all the students in Campus.

Modus Operandi: Front Desk at E-Block becomes the first point of contact for prospective as well as enrolled students. The centre connects the student to the end decision making competent authority on the matter or obtains the final decision (or resolution) eliminating the need for multi party liaisoning by the student himself/ herself.

Requests accepted: The requests entertained include, but not limited to:

S. No.	Category	Details
1.	Admission & Procedural Queries	The University admissions is a multi-stage process including the filling up of Admission Form, Entrance Exam, Creation of merit list, displaying of results on website, Physical counseling before culminating in the final admission to the institution of choice. All admission and counseling related queries are handled by SFC.
2.	Academic Queries	Few broad categories under the cell: • Classroom Experience • Administrative / Attendance Recording Procedure • Concerns about Grades or other Academic Assessments • Specific Curricular issues • Criteria of evaluation under the Program • Faculty member's actions that seem not to be consistent with the highest ideals of our community • Re-application for the Examination For all procedures that are handled in the campus, preliminary we attempt to resolve issues on an informal and educational basis, ensuring that those who are involved understand each other's point of view, before moving towards more formal procedures of redressal. In every situation, we seek to address issues in a timely manner at the most immediate level available, before moving up to higher levels of authority and responsibility.

3.	Financial Requests	The unit caters to the Centralized & Decentralized Finance Facilities that provides assistance in fee Collection, Estate, Student Welfare, Housing facility fee, Board of Sports, Revaluation fee, Examination fee & others. Students can reach out to us for: • Student Education Loan Facility. • Delay in Fee submission. • Student Fee Concession (Dealt on a case to case basis) • Rebates / Grant for specific purposes
4.	Housing Facilities	Few broad areas where SFC office can be reached for: • Shared Living • Cleanliness, Health & Feminine Hygiene • Dining • General Services and Laundry facilities • Security The entire housing facility is maintained by professional housekeeping and maintenance agencies having vast exposure in the corporate climate.
5.	Examination Aids	The student can seek aid from the '*Student Facilitation Centre*' for any assistance in the following areas of the examination: • Revaluation and Verification of Marks • Reassessment of Answer Book • Academic Grievances • Administrative Grievances • Supplementary Examinations
6.	General Queries	In case the right point of contact is not known for any query, raised by a scholar, S/he is welcome to contact SFC and may seek right guidence.
7.	Campus Tours	The Admissions Facilitation Centre also organizes Campus tours to acquaint the parents & prospective students with the facilities offered at Manav Rachna. Various faculty members are also available to guide and explain the highlights to the visitors. In addition, special help to integrate International Students into campus life is available.

Additional Activities: The centre undertakes the following activities on a regular basis to augment its vision:

S. No.	Activity	Detail
1.	Manav Rachna Scholars	The Scholarship holders of the fresh batch are felicitated in a glorious ceremony that formally inducts them as Manav Rachna Scholars.
2.	Scholar Engagement Program	100% scholarship holders are called for Regular interaction and assigned small projects to assist central departments.

3.	Scholar Interaction	Meeting with scholarship beneficiary for brainstorm ideas for improvement of services and opportunities available to students on campus.
4.	Class Representative Meet	For exchange of thoughts with students at large and for dissemination of information to the students
5.	Parent Engagement	SFC organizes Parent Orientation sessions at the commencement of the Academic Year

SFC is readily available to students and parents via mobile (Call, SMS and Whatsapp) services at +91 730381 9911 / +91 730382 9911 and email sfc@manavrachna.edu.in

CHAPTER-6

INFRASTRUCTURAL FACILITIES

6.1 Dr. O.P. Bhalla Central Library

Dr. O.P. Bhalla Central Library and its constituent Departmental Level Libraries and Faculty Libraries strengthened the research and academic outreach during the period FY 2019-20.

It strengthened the Library Services, Collection and Resources by adding 8945 volumes of print books. The library renewed the subscription to IEEE's ASPP collection in addition to renewal of online databases namely, ASME, ASCE, J-Gate Engineering and Technology, J-Gate Social and Management Sciences, Ebsco DOSS, Ebsco Discovery Solution, Ebsco Academic eBooks Collection, Ebsco Art and Architecture databases, Anti-Plagiarims Software, Turnitin, SPSS Analysis Tool and institutional membership of Developing Library Network (DELNET) and the American Library, New Delhi.

The collection strength of the library as of June 30, 2018 is as below:

2019-20:

Year	2019-20					
Headers	Existing		Newly Added		Total	
	No.	Value (Rs.)	Added	Value (Rs.)	Total	Value (Rs.)
Text Books	119569	44102423	311	116625	119880	44219048
Reference Books	22531		44		22575	
Journals	76	323520	76	323520	76	323520
e-Books	184697	4621875	184697	4621875	184697	4621875
e-Journals	42151		42151		42151	
Digital Database	16		16		16	
CD & Video	4391		35		4426	
Library Automation	Libsys	313290		313290		313290
Magazine	21	108717	21	108717	21	108717
Newspaper	20	58598	20	58598	20	58598

Library Portal	library.mriirs.edu.in
Library Online Catalog	libopac.mrei.ac.in
Single Window Discovery Solution	http://central/library.MRIIRS.edu.in/single/window/search/for/all/library/resources/
Remote Access to the Library Resources	http://MRIIRSelibrary.centralindia.cloudapp.azure.com:2048/login

Strengthened the National Digital Library Initiative by promoting enrollment of Manav Rachna Associates and Students to National Digital Library.

National Convention on "Emerging Trends in Medical Information and Technologies" was organized on March 2nd to 4th, 2020 @ Dr. O.P. Bhalla Central Library. The objective of the convention was to provide opportunity for academicians, health science professionals, librarians and researchers to engage in discussion based on issues related to the dynamic and challenging world of medical information management. The convention aims to provide a platform to get acquainted with latest developments and trends in the health science information and related technology management.

Library extended hours are from 8:00 a.m. to 10:00 p.m. (Monday to Saturday) and 9:00 a.m. to 5:00 p.m. on Sunday during the end semester examination December 2019.

Team - Library

6.2 IT Cell

MRIIRS has a dedicated Information and Communication Technology (ICT) Cell, which provides IT and Communication support to all the Faculties and Staff. The Cell plans, organizes & maintains all ICT equipment and campus wide networks for all the university departments / faculties. An in-house repair facility ensures that downtime is kept to the minimum. Indirectly, it contributes to optimal teaching learning process, besides ensuring a very high satisfaction level for the students and control on avoidable expenditures. MRIIRS has subscribed to Comprehensive Cloud based EMS from M/s IcloudNxt, Pune that is a UMS (University Management System) which provides integrated solution to enhance and digitize the processes like Admissions, Transport, Hostel and students' academic life cycle management operations in the university. Students' attendance integrated with SMS and Email system, is used to inform parents / guardians about any default in attendance system of the pupil. The automation process includes online application for admission, conduction of assessment / admission test, preparation of merit list, allotment of batches and seats, collection of fee, etc. The process of ongoing need based development on Campus Management System is planned for timetable, such as student's attendance, and administrative functions like HRMS, Payroll, Finance and Accounting, Purchase and Inventory, Facilities Management etc. Some of these modules are already in process and tested successfully. A blended Learning Management System ensures comprehensive academic support to the students in the form of study material consisting of lesson plans, class notes, assignments, stimulations, animations, assessment exercises etc.

This Year the University is emphasizing on "Swayam" and "MOOCS" implementation within the University. Central IT department is in process of hosting a in-house web site which will provide all the information about the IT policies, acceptance of complaints and individual will be able to see the status of their complaints. Moreover, this will have a facility of Micro-Blogging Site and will have departmental pages for broadcasting the departmental happenings. This will eventually bring an end to the need and the process of the mass mailing system.

The detail of ICT facilities available at MRIIRS during the period under report are given below:

- The University deploys excellent IT Infrastructure in carrying out activities like academic delivery, administration and services.
- The concept of Green Computing piloted with Central Library.
- Desktops; Laptops; Printing facility:
- Internet access through DHCP
- Firewall: Fortinet
- Multiple Wi-Fi Access Points: From Campus network and more than 120 paid services through Reliance JIO and Airtel
- LAN facility (HP Procurve, HP POE, 3COM, Dlink, Cisco).

- Prominent Applications softwares: IBM Rational Seed, STADD PRO, Digsilent, RTOS, VLSI Design Tanner Tool Pro, Xilinx ISE 13.1, OR-CAD Engg. Suite, MATLAB, Simulink with various tool boxes, Lab View, Catia, Pro-E, Quark Express, Adobe Creative, Corel Draw, Sony Sound Forge, Prolog. MX roads, Microsoft Projects
- The total University Campus is covered under an agreement with Microsoft for Campus agreement for compliance of the licenses to avoid any Software piracy.
- LCD-LED Projectors
- In-house Troubleshooting & Repair Centre.
- Dish Satelite system connected with classroom projectors for MOOCS and Swayam the initiative by Govt of India for collaborative and enhanced training by the Indian premium institutes

6.3 Healthcare Facilties

A wide range of health and welfare services are available at Manav Rachna Campus. The University has a well-equipped dispensary for first aid and minor medical services. The University has a qualified doctor and nursing staff on the Campus to take care of the medical emergencies. The University also has two State-of-the-Art, well equipped ambulances to cater to any exigencies, thus ensuring highest medical safety for the faculty and the students alike. Besides having the First- Aid room in the Campus and separate sick bays for boys and girls, there is a State-of-the-Art Out Patient Department of Physiotherapy. The medical consultant of University is available for consultation during the specified hours on all working days.

Other facilities are as under:

ICICI Lombard General Insurance - Group Accident Policy Cover for all Employees - Students - Contractual Employees.

Asian Hospital - Tie up offers discount on Medical Facilities (All Employees & their Dependents & Students included). Discounts can be availed after showing I card.

Metro Hospital - Tie up offers discount on Medical Facilities (All Employees & Students of MRIIRS included). Discounts can be availed after showing I card.

6.4 Sports Infrastructure

Sports Facilities:

Indoor Sports Arena: MRIIRS has wonderful Indoor Sports Arena in the area of 7000 Square feet at 'Q' block basement with the facilities of One Badminton Court, 8 T.T Tables, 3 Billiards Tables , 3 Pool Tables & Indoor Gym. This sports arena is open to all the Manav Rachna Students and Hostellers from 8.00 AM to 8.00 PM.

Shooting Range : Newly developed Shooting Range sports arena constructed in 'Q' Block Basement in which two 10 Mtr. Fully A.C Shooting Ranges, one is having 13 Manual Target and second is known to be final range having 8 SIUS electronics targets with Monitors. And also having all the modern facility for shooters as well as for spectators, including locker rooms modern wash rooms, exercise area, etc.

Cricket Ground: The Cricket Ground in Campus is located in front of 'K' & 'L' Block. This 40 x 40 meters lush green ground is equipped with flood lights and has 2 well maintained turf pitches.

Squash Court: The Squash Court is located at 'A' Block 2nd Floor. This is equipped with lights & A.C facilities. The court is 9.75 meter long, **6.4 meter** wide, with a height of 5.64 meter. Other sports facilities available are as Carrom & Chess boards along with Pool table.

Volleyball Courts: Volleyball Court with flood lights is located in front of 'B' Block of MRIIRS Campus. It is also available for all the Manav Rachna Students & Hostellers since Morning till Evening.

Basketball Courts: There are 3 Basketball Courts in MRIIRS Campus. One Basketball Court is in front of 'E' & 'F' Block & one Basketball Court with flood lights is in front of 'B' Block & one Basketball Court with flood lights is in front of International Boys Hostel. It is also available for all the Manav Rachna Students & Hostellers since morning to evening.

Soccer Ground: We have a newly laid wonderful facility of Modern Soccer Ground (80 Mtr. X 50 Mtr.) between 'Q' Block & Staff Quarters .

Shooting Range – 2: We have a newly Laid wonderful 25mtrs. & 50mtrs. Shooting Range facility at Staff Quarters MRIIRS Campus. It was inaugurated by Sh. Kiren Rijiju, Sports Ministry, Govt of India on 19th January 2021 at Manav Rachna International Institute of Research and studies. The Hon'ble Union Minister for Sports Sh. Kiren Rijiju inaugurated a first-of-its-kind 25 mtr and 50 mtr convertible shooting range at the Manav Rachna Campus.

6.5 Other Student Support Systems-Facilities

Cafeteria and Canteens are common hangouts for students in educational institutions. MRIIRS Campus has many Cafeteria and Canteens, which provide various food items in a hygienic environment, keeping in mind varied taste of the students. Some of the popular Café and Canteens are given as under: Needs Supermart (International Boys Hostel), the latest addition to MRIIRS Campus is Subway outlet and Hush Food court with multiple eatery options.

CHAPTER – 7

RESEARCH AND DEVELOPMENT

Research plays a significant role in the process of conceptual thinking, learning and innovation. With the path-breaking innovations in both its curriculum & research, the Institution is rapidly gaining a legendary reputation globally. These Clusters provide technology and innovation support whereas Incubation helps the students to develop practical business models as startups or spin offs to become student entrepreneurs for working towards Government of India policy of "Make in India".

We live in a knowledge-driven economy, where Research and Development has become the key to sustainable economic growth, creating in the process, a competitive edge. Also, research in a University is everlasting, unending contribution to society and the mankind. The production of theoretical knowledge and integrated experiential findings are the two main aspects of research activities. The outcomes which are constantly augmented, corrected and revised is a natural corollary, but the huge data base created and the published material built by researcher-writers is indeed appreciable. This serve as an index to the functioning of a reputed academic institution and also showcases the quality expression of its scholarly activities.

MRIIRS has aptly and genuinely carved its indomitable position as a research-driven institution. This fact is well testified by MRIIRS being conferred with the National Education Excellence Award 2018 for being the "Best Knowledge Creation and Innovation University", and its getting the laurel of being the "Best University in Innovation & Research' at the 2nd National Education Summit & Awards 2017. Prior to that MRIIRS was felicitated with 'ASSOCHAM - National Education Excellence Award 2016 for the 'Best University for promoting Industry-Academia Interface', National Education Excellence Award 2015 for the 'Best University serving Social Cause' and National Education Excellence Awards 2014 for the "Best Private University Promoting Research & Innovation"

Across its 20-year journey with many milestones to its credit, MRIIRS has taken on the challenge of yielding applicable knowledge and dedicating itself towards several path breaking Research and Development initiatives. Since inception, MRIIRS has been striving to develop into an institution of excellence in education and research, in consonance with the contemporary and future needs of India through meaningful education, quality research and technological innovations. Research Programme at MRIIRS has evolved from the initial focus on fundamental research to vital contributions to fundamental, experiential and empirical research in various academic disciplines and interdisciplinary areas. This shift has been gradual without any major impediment. It has yielded the desired objective of the creation of a viable, socially relevant research outputs. The endeavor is for the creation and continual expansion of this research temperament. The prime objective is to have strong focus on generation of original ideas and thoughts which thereupon would be connected with empirical works of subject-oriented researches in Sciences, Social Sciences, Humanities, Management, Technology and other disciplines offered by the University as areas of probe and investigation from time to time and shall subsume out-of-box thinking and innovation. This is further

extrapolated to solution findings to social problems. Our research programme has practical import component which also sets in an important ingredient of social outreach and service.

There is always a time when the academicians are countered with statement that active research would take away the focus from teaching but it is important to believe that Good Teaching is a natural byproduct of Good Research and quality of research improves when faculty members are engaged in research as they would share latest developments with their students and would also make them understand newer ways of application of theory. Such faculty also prepares a good workforce for future who can be the game changers and not just the ones who look for lucrative packages.

In addition to offering formal Undergraduate and Post-graduate Programs, the MRIIRS actively encourage its faculty and students to undertake in house and sponsored research and consultancy projects in order to strengthen the research and innovation profile of the Institution. Presently, institution is actively engaged in research in several areas of Engineering, Basic and Applied Sciences, Management, Literature, Physiotherapy, Nutrition & Dietetics, Health, Energy and Environment, Manufacturing, Sports Rehabilitation etc. More recently, the Institution has created a 'Research and Innovation' culture at the Undergraduate level through Innovation & Incubation at MRIIC. **Also, to ignite young minds towards Research Innovation Catalyst (RIC) has been introduced at UG Level as a course with two credits from 2019.**

7.1 Research Ecosystem

MRIIRS is committed to research and innovation as a central part of its mission. This stems from firm belief in creative thinking and creating better human beings. As a practice, Research & Innovation Clusters (RICS), Research Incubator (RI), Business Incubator (BI), Intellectual Property Rights (IPR) Cell and Centres Of Excellence (CEs) which have been established to bridge the gap between theory and practice. This enables the students to improve their skills and do quality research even at undergraduate level in collaboration with academic Partners and Industries for the benefit of Society.

The Institutions have thirty academic departments, one Research Incubator (RI), Research & Innovation Clusters (RICs), one Business Incubator (BI), one dedicated IPR Cell and Centers of Excellence (CEs).

7.2 Research Publications

It is important for any University to participate in the creation as well as the transmission of knowledge. The Western universities have been the centre of knowledge networks and the means of knowledge dissemination such as journals and scientific publication.
In the operation side, journals and scientific publications are not only the centre of latest knowledge dissemination but also act as essential links for the seasoned academicians to keep abreast on the development in their area and implicitly facilitate academicians with contemporary knowledge to be imparted to their students. Such deep-rooted importance on

creation and transmission of knowledge has put scholarly publication as one of the most common performance indicators for most universities globally.

The number of publications has been one of the measurement values in the performance evaluation for higher education academicians. Over the years, the obligation to publish has amplified from not just getting published but also on getting published in high quality journal whereby the quality ranking is determined by publication categories. Publication that is recognized through peer review process signifies the legitimate platform for the research content to be discussed, challenged, referred and criticized by the community of the academia.

Authors who are mostly researchers and academicians must be capable of not only presenting their findings and claims but also capable of supporting and defending the proposed knowledge. The academic communities embrace such culture of open knowledge discussion and this practice is vital in giving direction to the knowledge progression. Moving on from being a platform meant for knowledge discussion, publication has now become one of the most important performance indicators for Indian academician. "Publication count is an indicator of research productivity and is used to rank faculties and academic institutions ascertain author's productivity or the publication productivity of research groups" and hence MRIIRS has necessitated that Scopus, WOS and ISI journals are included as the target for publication and also offer rewards to the authors in forms of 'seed money' or research grants for published research articles.

MRIIRS has made sufficient headway in promoting and providing a research culture for its students and faculty. They are generously encouraged to pursue research and innovation in Research Cluster labs and Centre of Excellences under its Research Innovation and Incubation Centre. The Institution has to its credit, over 6074 research publications in International and National Journals and Conferences. This includes 869 papers listed in the Scopus database and many in Web of Science and SCI. More than 711 book chapters with 38 book chapters indexed in Scopus have been authored by faculty members. MRIIRS was awarded funding of Rs. 2.87Crores for setting-up New Generation Innovation and Entrepreneurship Development Centre (NewGen IEDC) under National Initiative for Developing and Harnessing Innovation during 2017 and is in the third year of the Project. NIESBUD has empanelled MRIIRS under Pradhan Mantri Yuva Yojna for training, consultancy and research in order to promote Entrepreneurship. A research project for capacity building of women entrepreneurs was awarded by ICSSR with funding of Rs.10,00,000/- in the year 2019. Another research project for conducting study with probable technological solution on water-logging in Faridabad City has been awarded by DST, GoI with funding of Rs 68 Lakhs in the year 2020. Several other research projects, sponsored projects, consultancy projects are going on at the Campus.

Research Publication 2019-20

Title of paper	Name of the author(s)	Name of Journal	Year of publication
Laughter through the ages: Role of Comedy Films in Shaping Bollywood	Maithili Ganjoo	Global Media Journal, Manipal Academy of Higher Education	2020

Influence of Advertising appeal on Buying Behaviour with Reference to Cosmetic Brands	Maithili Ganjoo	International Journal of Psychosocial Rehabilitation	2020
Role of Information Technology on Organization effectiveness through Human Resources Management	Farhad Hassanzada, Anindita Chaterji	International Journal of Business and Management Invention	2020
RSM modelling and Investigation of Hybrid Metal Matrix Composite during EDM operation	Gurpreet Singh Matharou, Basanta Kumar Bhuyan	Wesleyan Journal of Research	2020
Particulate Matter and NOx Reduction Techniques for Internal Combustion Engine: A Review	Devena Vashist, Manu Bina	Journal of institution of Engineers Series C	2020
Dry sliding wear characterization of SGM-boron carbide hybrid polymer matrix composite	Sunny Bhatia, Sabah Khan, Surjit Angra	Polymers and Polymer Composites	2020
Parametric optimization of EDM processes for Aluminum hybrid metal matrix composite using GRA-PCA approach.	Gurpreet Singh Matharou, Basanta Kumar Bhuyan	International Journal of Mechanical and Production Engineering Research and Development	2020
A review on mechanical and tribological characterization of boron carbide reinforced epoxy composite	Sunny Bhatia, Surjit Angra, Sabah Khan	Advanced Composite Materials	2020
Cfd Analysis of Biodiesel Blends and Combustion using Ansys Fluent	Shivanshu Dixit, Arvind Kumar, Suraj Kumar, Nitin Waghmare, Harish C. Thakur, Sabah Khan	Materials Today: Proceedings - Journal – Elsevier	2020
Two Wheeler Turbocharger: A Review	Gurpreet Singh Matharou, Nitin Waghmare	International Journal of Research and Analytical Reviews	2020
Ranking of Stabilizer to stabilize - solidify dredged Soil as a highway construction Material	Anjali Gupta, Srijit Biswas, V. K. Arora	Materials Today-Proceedings	2020
Physico-Chemical Characterization of Stabilized MSW of an Okhla Landfill	Sonal Saluja, Arun Gaur, Kafeel Ahmad	Materials Today-Proceedings	2020
Construction Vendor Selection using Multi-criteria decision Making: A Review	Rishabh Pratap Singh, Sadiqa Abbas	International Journal of Creative Research Thoughts	2020

Assessment of Safety Practices of Construction Workers using Analytical Hierarchy Process: A Review	Divyam Singh, Sadiqa Abbas	International Journal of Creative Research Thoughts	2020
Investigation on the Strength behaviors of Red Mud based PCM Mortar	Gift Pon Lazarus D, Sunita Bansal	IIOAB	2020
Comparative Studies of Steel Member with different Country Code	Khushnood Ahmad Khan, Aftab Alam, Sukhbir Singh Mann	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2020
Validation of Low Cost Sensors for Measuring Pm-10 concentration at Two sites in Delhi NCR	Shashi Tiwari	Sensors	2020
Urban, Water and Sustainable Environment Approaches	Vijay Dahiya, Sadiqa Abbas	International Journal of Advanced Science and Technology	2020
Implementation of OFDM System using Image Input for AWGN Channel	Pratima Manhas, M. K. Soni	Innovations in Computer Science and Engineering	2020
Novel High Functionality Fault Tolerant ALU	Shaveta Thakral, Dipali Bansal	Telecommunication Computing, Electronics and Control (Telkomnika)	2020
Manav Rakshak: Device to help maintain Social Distancing	Abhiruchi Passi, Devdutt	International Journal of Engineering and Advanced Technology	2020
Role of Artificial Intelligence in Speech Recognition	Abhiruchi Passi, Mohit Rath, Madhusudan	Compliance Engineering Journal	2020
An Automated prepaid Electric Vehicle charging Point System	Abhiruchi Passi, Parth Sarthi, Ritu	International Journal of Advanced Science and Technology	2020
Review Paper on DRONE Delivery: Unmanned Aerial Vehicle	Pratima Manhas, Rahul Singh, Yuvansh, Amit Kumar	International Journal of Advanced Science and Technology	2020
Advanced Hybrid Intelligent Model and Algorithm for De-regulated Electricity Market	Y K Awasthi	Australian Journal of Electrical and Electronics Engineering	2020
Dual-Band Microwave Sensor for Investigation of Liquid Impurity Concentration using a Metamaterial Complementary Split-Ring Resonator	Y K Awasthi	Journal of Electronic Materials	2020
High Diversity Gain MIMO-Antenna for UWB Application with WLAN Notch Band Characteristic including Human Interface Devices	Y K Awasthi	Wireless Personal Communications	2020

High Diversity Gain Super-Wideband Single Band - Notch MIMO Antenna for Multiple Wireless Applications	Y K Awasthi	IET Microwaves, Antennas & Propagation	2020
Congestion reduction under IPFC based deregulated electricity market using AKH algorithm	Y K Awasthi	Journal of Physics: Conference Series	2020
Profit based Unit Commitment problem solving using Hybrid CUCKOO - GWO Algorithm	Y K Awasthi	Journal of Physics: Conference Series	2020
Automatic Water Sprinkler System	Prerna, Shivam, Ritick, Sakshi	Compliance Engineering Journal	2020
Multiple Master Communication in AHB IP using Arbiter	Hitanshu Saluja, Naresh Grover	I.J. Engineering and Manufacturing	2020
Roadblock of Quality Education and its Avoidance	Shaveta Thakral, Pratima Manhas, Jyoti Verma	Solid State Technology	2020
Improved Ant Colony optimization for Quantum Cost Reduction	Shaveta Thakral, Dipali Bansal	Bulletin of Electrical Engineering and Informatics BEEI	2020
Reliability Analysis and Power Quality improvement Model using Enthalpy based Grey Wolf Optimizer	Y K Awasthi, Niharika Thakur, A S Siddiqui	Springer - Energy Systems	2020
Analytical Methods for GSR Detection to Establish Mystery of Disguise of Crime Scene: Comparative Study	Y K Awasthi, Shivani Yadav, Leena Kumari, Ravinder Chauhan, Ruchita Pal	International Journal of Medical Toxicology and Legal Medicine	2020
Ultra-thin Wideband Polarization Insensitive Metasurface Absorber for Aviation	Y K Awasthi, Yogita Khanna	Springer - Journal of Electronic Materials	2020
High Isolation and High Gain Super-wideband (0.33-10THz) MIMO Antenna for Terahertz Applications	Y K Awasthi, Gaurav Saxena, Priyanka Jain	Elsevier - Optik	2020
Security Issues in Cognitive Radio Networks	Aman Sanghi & Jyoti Verma	Solid State Technology	2020
Performance Analysis with differential Evolution Optimization for moving Object detection using back ground Subtraction	Sudhir Dagar, Geeta Nijhawan	International Journal of Advanced Research in Engineering and Technology (IJARET)	2020
A Systematic Review on Machine Learning: Its Challenges and Applications	Shivam Gupta, Prerna Kakkar, Ritick Sethi Sakshi Sharma	Compliance Engineering Journal	2020
Modern Agriculture Practices: Microwave Solution	Vimlesh Singh, Priyanka Bansal, Sunita Verma, Sarthak Singhal, P K Singhal	Plant Archives	2020

A Comprehensive Study on Automated Vehicle Collision System using IOT in Vehicular Environment	Pratima Manhas, Monika	International Journal of Advanced Science & Technology	2020
Comparative Analysis of Positive Output Super Lift DC-DC Luo Converters	Richa Khera/Adlakha, Anita Khosla, Dheeraj Joshi	Indonesian Journal of Electrical Engineering and Computer Science	2020
Grid-Connected Photovoltaic System Stability Enhancement using Ant Lion Optimized Model Reference Adaptive Control Strategy	Pankaj Negi, Yash Pal, Leena G	Differential Equations and Dynamical Systems	2020
Centralized and decentralized AGC schemes in 2-area interconnected Power System considering Multi Source Power Plants In each area	Nizamuddin Hakimuddin, Anita Khosla, Jitender Garg	Journal of King Saud University - Engineering Sciences	2020
Integration Schemes for Hybrid Generation Systems	Ashish Grover, Anita Khosla, Dheeraj Joshi	International Journal of Innovative Technology and Exploring Engineering	2020
Review on Challenges and Issues in Smart Grid	Ragib Fasih Khan, Deepanshu Singh, Praveen Nadar, Lakshay Sharma, Neha Chaudhary	Mukt Shabd Journal	2020
Design and Simulation of 20MW photovoltaic Power Plant using PV System	Ashish Grover, Anita Khosla, Dheeraj Joshi	Indonesian Journal of Electrical Engineering and Computer Science	2020
Wireless Floor Cleaner	Amit Verma, Amrinder Kaur	Compliance Engineering Journal Volume 11, Issue 7, 2020	2020
Mitigation of Magnetising in Rush Current in Three – Phase Power Transformer	Mudita Banerjee, Anita Khosla	Indonesian Journal of Electrical Engineering and Computer Science	2020
Enhancing Fault Tolerance of Cloud Nodes using Replication Techniques	Mridula Dhingra, Neha Gupta	International Journal of Recent Technology and Engineering	2020
An Algorithm for Finding the Optimal Path in Basis Path Testing using GABVIE Model	Seema Sharma, Shaveta Bhatia	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020
Comparative Study on Ant Colony Optimization (ACO) and K-Means Clustering Approaches for Jobs Scheduling and Energy Optimization Model in Internet of Things (IoT)	Sumit Kumar, Vijena Kumar Solanki, Saket Kumar Choudhary, Ali Selamat, Ruben Gonzalez Crespo	International Journal of Interactive Multimedia and Artificial Intelligence	2020
Corpus Augmentation for Neural Machine Translation with English-Punjabi Parallel Corpora	Simran Kaur Jolly, Rashmi Agrawal	International Journal on Emerging Technologies	2020

A Hybrid user Centric Approach for efficient Web Service Selection	Neerja Negi, Satish Chana	International Journal of Information Retrieval Research (IJIRR)	2020
An Algorithm for evaluating Variation of Crossover and Mutation operator in Genetic Algorithm (GAVCOMO)	Seema Sharma, Shaveta Bhatia	International Journal of Scientific & Technology Research	2020
Non-dyadic Wavelet Decomposition for Sensory Motor Imagery EEG Classification	Poonam Chaudhary, Rashmi Agrawal	Brain-Computer Interfaces	2020
Current Trends in e-Learning	Raj Kumar, Shaveta Bhatia	International Journal of Scientific &Technology Research	2020
Web Service Classification based on Non-functional Parameters using Vote based Classifier	Neerja Negi, Poonam Chaudhary, Satish Chana	Journal of Discrete Mathematical Sciences and Cryptography	2020
A study on attacks in Mobile Ad-hoc Networks	Kavita Arora, Kavita, Vishal Jain	International Journal of Advanced Science and Technology	2020
Efficient Web Service Selection Approaches: A Review	Neerja Negi, Satish Chana	International Journal of Advanced Science and Technology	2020
The Approach of Identifying Fake Identity by using Hybrid Ant Neuro- Fuzzy Clustering based Method	Anupriya Jain, Seema Sharma	International Journal on Emerging Technologies	2020
Proximity Tracing Method to reduce Community Spread of COVID 19	Sonia Duggal, Anupriya Jain	International Journal on Emerging Technologies	2020
Efficient Query Keyword Interpretation for Semantic Information Retrieval	Sonia Setia, Jyoti, Neelam Duhan	IIOAB Journal	2020
Challenges in Cyber Crime and Security	Shaveta Bhatia, Harshit Popli, Mitali Jain	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020
Effect of supervised and unsupervised algorithm for Cross Domain Sentiment Analysis	Vaishali Arya, Rashmi Agrawal	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020
View of Statistical Research of e-Learning acceptance that is Transforming the Face of Education	Priyanka Sharma, Minal Garg, Taranbeer Singh	International Journal of Advanced Science and Technology	2020
An Introductory Review on Big Data and distributed delay Framework of Neuron Model	Vishwadeepak Singh Baghela, Saket Kumar Choudhary, Sunil Kumar Bharti	Journal of International Academy of Physical Sciences	2020

Frequencies and Lights Affecting IoT Devices	Shaveta Bhatia, Rishi Singh, Raas Khanna, Madhur Gupta, Vaishnavi Kaushik	International Journal of Engineering and Advanced Technology (IJEAT)	2020
Software Reusability of Object-Oriented Systems using Data Mining Techniques	Bharti Bisht, Parul Gandhi	IJRTE	2020
Strategic Consumer Approach towards Boeing 737 Max Planes	Anil Sarin	International Journal of Scientific & TechnologyResearch	2020
Coronavirus Disease (COVID-19): Spread, Awareness and Strategic Containment	Anil Sarin	Journal of Communicable Diseases	2020
Evolving Role of Healthcare Professionals In Fostering Green HRM	Sonam Yadav Anindita Chatterjee	Studies in Indian Place Names	2020
A Study on Efficient Management of Homosexual Employees in Indian Organizations	Nishul Singh Anindita Chatterjee	Studies in Indian Place Names	2020
The Effect of Information Technology on Human Resource Management and Organization Growth	Farhad Hassanzada and Anindita Chaterji	Studies in Indian Place Names	2020
Mobile App Usage and Adoption - A Literature Review,	R Gera, P Chadha, V Ahuja	International Journal of Electronic Business,	2020
Predictors Patron's of Green Food Product Purchase Behaviour	Samriti Mahajan, Rajat Gera and Animesh Singh	CLIO An Annual Interdisciplinary Journal of History,	2020
Saving Preferences and Demographic Variables Of Investors: A Relationship Study	Ashima Saxena and Bhavesh P. Joshi	Global Journal of Enterprise Information System	2020
Gender differences in Financial Behaviour Biases and Investment Decisions	Ashima Saxena and Bhavesh P. Joshi	Studies in Indian Place Names	2020
Determinants of College Teachers' Happiness: A Comprehensive Review	Ajay Bhatia, Farhat Mohsin	Journal of Critical Reviews	2020
Changing Business Operations in Disruptive Times – A Review Paper	Gopal Sahai, Amit Seth	International Journal of Advance Science and Technology	2020
Identifying VUCA Factors in a Pandemic Era - A Framework Focused on Indian IT Industry	Mitika Nangia & Farhat Mohsin	Journal of Critical Reviews	2020
Current Practices and Challenges of Performance Management System in Higher Education Institutions: A Review	Jyoti & Farhat Mohsin	Journal of Critical Reviews	2020

Measuring Happiness of University Teachers during Challenging Times	Ajay Bhatia, Farhat Mohsin	International Journal of Advanced Science and Technology	2020
Corporate Social Responsibility - Impact and Outcome Approach: Emerging Challenges	Prof. Nand L. Dhameja & Farhat Mohsin	MAIMS Journal of Management	2020
Workforce Analytics: Need of the Modern Organisation	Nandini Srivastava & Farhat Mohsin	International Journal of Psycho-social Rehabilitation	2020
Corporate Governance Deviance: A Case Study of Infosys	Anindita Chatterjee Rao, Deepti Dabas Hazarika	South Asian Journal of Business and Management Cases	2020
Heritage Marketing in India: An Evolving Paradigm	Stuti Sahni, Deepti Dabas Hazarika	GIS Business	2020
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Arthrobacter strains from industrial Polluted soil and its Oxidative Potential of Choline Oxidase Gene	Lokesha S., Ravi Kumar Y.S., Gaur S., Sujan Ganapathy P.S., Arjun H.M., Gaur P.	Journal of Pure and Applied Microbiology	2019
Carbon nanotubes: Evaluation of toxicity at biointerfaces	Mohanta D., Patnaik S., Sood S., Das N.	Journal of Pharmaceutical Analysis	2019
Bioremediation options for heavy metal pollution	Kapahi M., Sachdeva S.	Journal of Health and Pollution	2019
Studies on the impact of abiotic and nutritional factors on mycelial growth and sporulation of alternaria brassicae causing blight in Indian mustard	Gupta S., Didwania N.	International Journal of Scientific and Technology Research	2019
Phytoremediation of Indoor Pollution- A Mini Review	Pinky Sharma, Pushpa C Tomar, Shilpa S. Chapadgaonkar	World Journal of Pharmaceutical Resarch	2019
A Systematic Review of Conventional and Advanced Approaches for the Control of Plant Viruses	Kapila Kumar, Priyanka Chauhan, Kajal Singla, Mamta Rajbhar, Anjali Singh, Nilanjan Das	Journal of Applied Biology & Biotechnology	2019
Cumin (Cuminum Cyminum L.): Chemical Constituents And Therapeutic Potential.	Divya Sharma, Seema Yadav and Nidhi Didwania	Ambient Science	2019
Cryopreservation Technique: A Powerful Tool For Long Term Preservation Of Endangered Medicinal Plants.	Pushpa, Nidhi Didwania	Ambient Science	2019
Therapeutic Potential of Family Oleaceae in Ageing Associated Disorders	Prerna Sharma and Abhilasha Shourie	Ambient Science	2019
Influence of Jasmonic acid on Flavonoid Production in Glycyrrhiza glabra Callus Cultures	U. Vijayalakshmi and Abhilasha Shourie	Ambient Science	2019
A Pharmacological Review on Tinospora cordifolia-A Medicinal Herb	Anuradha Gautam, A Singh, Kapila Kumar	International Medical Journal	2019
Yeast extract mediated elicitation of anti-cancerous compounds licoisoflavone B, licochalcone A and liquirtigenin in callus cultures of Glycyrrhiza glabra	U. Vijayalakshmi and Abhilasha Shourie	BioTechnologia	2019

Natural Chemoprotectants For Mitigating The Side Effects Of Cancer Chemotherapy	Monu, Pushpa C. Tomar, Shilpa S. Chapadgaobakar	Ambient Science	2019
Epidiolex: A Cannabis Derived Drug For Pain Relief.	Charu Rajpal, Akansha Kanaujia and Pushpa C. Tomar	Medicinal Plants: International Journal of Phytomedicines and Related Industries.	2019
Origin And Identity Of The Brokpa Of Dah-Hanu, Himalayas–An Nry-Hg L1A2 (M357) Legacy	Adikarla Syama, Varadarajan Santhakumari Arun, GaneshPrasad ArunKumar, Ray Subhadeepta, Kai Friese, Ramasamy Pitchappan, Genographic Consortium	Annals of human biology	2019
Role Of Bacteriocin In Tackling The Global Problem Of Multi-Drug Resistance: An Updated Review	K.L.R Bonhi and Sabiha Imran	Bioscience Biotechnology Research Communications	2019
Anti-Cancer Therapy Of Curcumin Alone And In Combination With Temozolomide	Deepika Tripathi and Sabiha Imran	Ambient Science	2019
i Generation and Handwritten Communication: A study of Gen Z or post-millennials	Krishna Pandey	International Journal of Research, Culture Society	2019
Contemporary existence of mean world syndrome in Indian Television: A study of reality based crime shows	Ankita Bharti	Universal Review	2019
Goods and services tax: Future opportunities and challenges	Rahul Joshi	IUJ Journal of Management.	2019
Shreen- An Unsaid Truth: A Mono-Act"	Jayashree Hazarika	The Criterion: An International Journal in English	2019
A Saga Of Oppression And Liberation In Bapsi Sidhwa's The Pakistani Bride	Shivani Vashist	LangLit	2019
Cultural Clash And East West Encounter In Anita Desai's Bye Bye Blackbird.	Ishrat Fatma,Shivani Vashist	European Academic Research	2019
"Poetic Retelling of Fairy Tales in Anne Sexton's Transformations	Jyoti Sharma	LITERARY ENDEAVOUR	2019
"The Contemplation of Barbarism on Untouchables: Reevaluation of Anand's debut Novel Untouchable"	Reema Devi, Sujata	International Journal of English Language, Literature and Humanities (IJELLH)	2019
Sharatchandra's Devdas vis-a-vis- its Cinematic Adaptations in Hindi	Sujata	International Journal of Social Science and Humanities Research,	2019

Conflicts And Adjustments In The Major Works Of Shashi Deshpande	Sujata	Asian Journal of Social Sciences & Humanities (AJSSH)	2019
Transgressing Boundaries: Struggle of Kalo in Bhabani Bhattacharya's Novel He Who Rides a Tiger	Swati Chauhan	IJMER	2019
Journey of the women of Indian Diaspora: A study of Anita Desai's Novels	Swati Chauhan	Research Journal Of English (RJOE)	2019
Tendency of Escapism in the Poetry of Keats, Wordsworth, Shelley and Coleridge: a critical study	Swati Chauhan	IOSR Journal Of Humanities And Social Science (IOSR-JHSS)	2019
Dreamland versus Nativeland in Anita Desai's Bye Bye Black Bird,	Shivani Vashist	Langlit: An International Peer-Reviewed Open Access Journal.	2019
Understanding the buying behaviour of parents: A study with respect to purchasing of baby care products	Neha Wadhawan, Amit Seth	Journal of Emerging Technologies and Innovative Research	2019
A case study of sales promotion strategies in KESHAR enterprises	Swati Watts, Teena Hassija, Umang Mittal	Review of Research	2019
"Understanding the buying behavior of parents: A study with respect to purchasing of baby care products"	Neha Wadhawan	Journal of Emerging Technologies and Innovative Research	2019
"A Study of Consumer Awareness on Indian Railways Tourism Products"	Arkaja Garg and Jayender Verma	A Journal Of Composition Theory,	2019
Role of Internal Controls, Auditing and Accounting Standards in Prevention and Detection of Frauds"	Jayender Verma	Journal of Emerging Technologies and Innovative Research	2019
Major Issues in Implementation of International Accounting Standards (IAS) and International Financial Reporting Standards	Jayender Verma	Journal of Emerging Technologies and Innovative Research	2019
Consumption Of Sanitary Napkins & Effect On Environmental Sustainability	Aparna Prashant Goyal, Preeti Chhabra, Ratika Agrawal	IPASJ International Journal Of Management(IIJM)	2019
Consumer Protection Act, 1986 and Roll of businesses to avoid consumer grievances	Teena Hassija	International Journal of Emerging Technologies and Innovative Research	2019

Safeguarding Organizations in India Against Cybercrime - The Corporate Frauds & Crimes Survey	Aparna Prashant Goyal, Geetu Singal	International Journal of Research in Humanities, Arts and Literature	2019
Analysis of Fraud Detection and Prevention Strategies in the Indian Public Sector	Aparna Prashant Goyal, Geetu Singal	International Journal of Applied Engineering Research	2019
Predictive Modelling to Assess Groundwater Pollution and Integration with Water Quality Index	Ratika Agrawal, Preeti Chhabra, Aparna Prashant Goyal, Sanjay Shrivastav	International Journal of Engineering and Advanced Technology	2019

7.3 Book / Chapters: 2019-20

Shivani Vashist	The Unprecedented Voices of Subalterns in Amitav Ghosh's Novels	Resistance and Assimilation: Voices of the Subalterns
Shivani Vashist	Voice of the Voiceless: A Critical Study on the Issue of Untouchability and Gender Inequality	Resistance and Assimilation: Voices of the Subalterns
Shivani Vashist	Plight and Protest of Tess and Nora: A Study of Women in Patriarchal Society	International Conference on Women's Empowerment, Laws, Feminism, Gender Discrimination, Gender Space and Women's Leadership: Issues and Challenges in 21st Century
Shivani Vashist	Women in Haryana Politics	International Conference on Women's Empowerment, Laws, Feminism, Gender Discrimination, Gender Space and Women's Leadership: Issues and Challenges in 21st Century
Shivani Vashist	Exploration of subaltern consciousness in the Novel Dahan: The burning of Suchitra Bhattacharya"	Resistance and Assimilation: Voices of the Subalterns
Jyoti Sharma	Crisis of Identity: The Pivotal Theme Hinging Lowell's Skunk Hour and the Dolphin"	Resistance and Assimilation: Voices of the Subalterns
Jayashree Hazarika	The Socio-Cultural Identity of Subalterns through the Works of Devdutt Pattanaik	Resistance and Assimilation: Voices of the Subalterns
Jayashree Hazarika	Sashi Deshpande's Ideology and the Subaltern Term	Resistance and Assimilation: Voices of the Subalterns
Sujata	"An Ear to the unheard Subalterns: A Comparative Study of Mulk Raj Anand's "Untouchable" and Arundhati Roy's The God of Small Things	Resistance and Assimilation: Voices of the Subalterns
Sujata	Speaking for the Voiceless: Carrying Forward the Legacy of Kabir in Kazi Nazrul 's The Rebel	Resistance and Assimilation: Voices of the Subalterns
Sujata	"The Passive 'New Woman' in William Carols Williams Poems"	"Resistance and Assimilation: Voices of the Subalterns"
Sujata	"Unheard Voices of Women in Indian Mythology: Exploring the Plight of Sita and Shakuntala""	"Resistance and Assimilation: Voices of the Subalterns"
Arunangshu Mukherjee	Exploration driven Groundwater Management Plan for Karst dominated Small Isolated Geological Basin of Central Indian Craton	International Symposium KARST 2018 – Expect the Unexpected
Shaveta Bhatia	Internet of Things and Location Based Services	

Neha Gupta	Bayesian Network for Development of Expert System in Pest Management	
Neha Gupta	Security and Privacy Issues of Blockchain Technology	
Neha Gupta , Rashmi Agrawal	Application and Techniques of Opinion Mining	
Sakshi Jolly, Neha Gupta	Understanding and Implementing Machine Learning Models with Dummy Variables with Low Variance	International Conference on Innovative Computing and Communication (ICICC) 2020
Chitra Mehra, Rashmi Agrawal	Feature Selection and Academic Performance Prediction: A Study	International Conference on Innovative Computing and Communication (ICICC) 2020
Robin Swamy, Anupriya Jain, Prasenjit	A New Approach for Analyzing Human Body Temperature	6th International Conference on Computing for Sustainable Global Development (INDIACom)
Simran Kaur and Rashmi Agrawal	Building English - Punjabi Parallel Corpus for Machine Translation	International Conference on Innovative Computing and Communication (ICICC) 2020
Poonam Chaudhary and Rashmi Agrawal	Orthonormal Wavelet Transform for Efficient Feature Extraction from Sensory Motor Imagery based Electroencephalogram Signals	International Conference on Innovative Computing and Communication (ICICC) 2020
Devender Bhushan and Rashmi Agrawal	The Internet of Things: Looking beyond the hype	
Poonam Chaudhary, Rashmi Agrawal	Brain Computer Interface: A New Pathway to Human Brain	
Rashmi Agrawal, Simran Kaur Jolly	Big Data and Machine Learning for Evaluating Machine Translation	
Rashmi Agrawal	Technologies for Handling Big Data	
Devender Bhushan and Rashmi Agrawal	Security Challenges for Designing Wearable and IoT Solutions	
Parul Gandhi Jyoti Pruthi	Data Visualization Techniques: Traditional Data to Big Data	
Parul Gandhi Jyoti Pruthi	Internet of Things in Business Transformation: Developing an Engineering and Business Strategy for Industry 5.0	
Naveen Kumar, Devendra Vashist	Design Analysis of Two Wheeler Silencer for improved Noise and Emission Reduction	International Symposium on Fusion of Science and Technology (ISFT-2020)
Shagufta Jabin & J. K. Kapoor	Role of Polyelectrolytes in the Treatment of Water & Wastewater	
Vijay Kumar, Jyoti Chawla, Rajeev Kumar	Reducing Clinical Laboratory Footprints on the Environment with Intuitionistic Fuzzy Distance Measure (Chapter)	

Rajnish Saxena Arti Saxena Vijay Kumar	Wheeler connecting Rod Design and Analysis by FEM	
Deepak Kumar Vinod Kumar, Pooja Khurana	Mathematical models on communicable diseases	
Kumari Neeta Shukla, Devi Singh and R. S. Pandey	Growth of Ion Cyclotron Waves in Saturnian Magnetosphere in the Presence of Parallel AC Field for Ring Distribution	AIP Conference Proceedings
Rashmi Srivastava, Hitendra K. Malik and Devi Singh	Low Frequency Dust Acoustic Waves and Instabilities in a Multi-Component Plasma	AIP Conference Proceedings
Neeraj Kumari and Devi Singh	Leadership Styles and its Impact on Employees' Organizational Commitment (Book)	
Dr. Abhilasha Shourie	Cyanobacteria as a Source of Biofertilizers for Sustainable Agriculture in Book Title: Advances in Cyanobacterial Biology	
Gupta S., Didwania N., Srinivasa N	Role of Biofertilizers in Biological Management of Fungal Diseases of Pigeonpea [(Cajanus Cajan) (L.) Millsp] in Springer book volume on "Management of Fungal Pathogens in Pulses-Current status and Future Challenges".	
Pushpa and Nidhi Didwania	Biotechnological Techniques for Plant Disease Detection in Book Title: Biotechnology for Plant Disease Diagnostics and Management.	
Swati Jain and Dr. Pushpa C. Tomar	Awakening the Consciousness and Conscience towards Plastic in Book Titled: Fundamentals of Plastic Waste Management	
Kapila Kumar and Prachie Sharma	Phytoproteomics: A New Approach to Decipher Phytomicrobiome relationships in Book entitled: Phytomicrobiome Interactions and Sustainable Agriculture	
Sanjay Gupta	Remedial measure prevent from Global Ocean Water Rise or fall by Minimizing Subsidence & Hydropower	International Conference on World Water Day : Opportunity and Challanges
Anjali Gupta	Optimal Municipal Solid Waste Management of a City in North India	2nd International Conference on Applied Science and Engineering
Rashima Mahajan, Pragya Gupta	Handbook of Research on the Internet of Things Applications in Robotics and Automation, IGI Global - Technology and Engineering	Implementation of IoT in Healthcare
Neha Garg, Kamlesh Sharma	Handbook of Research on Emerging Trends and Applications of Machine Learning, IGI Global - Technology and Engineering	Machine Learning in Text Analysis

Jain, R., Kashyap, I.	Data Management, Analytics and Innovation(2020)	Energy-Based improved MPR Selection in OLSR Routing Protocol
Shobha Tyagi	The Open Organization Guide for Educators	Open Education has a POSSE
Deepa Bura, Amit Choudhary	Critical Approaches to Information Retrieval Research	Enhancing Information Retrieval System using Change-Prone Classes
Charu Virmani, Anuradha	Recent Advances in Intelligent Systems and Smart Applications	Internet of Things and Cyber Physical Systems: An Insight
Monika Goyal, Mrinal Pandey	Data Science and Analytics (2020)	Towards Prediction of Energy consumption of HVAC plants using Machine Learning
Ochin Sharma	Data Science and Analytics (2020)	A Novel Activation Function in Convolutional Neural Network
Shweta Bali, Shyam Sunder Tyagi	Data Science and Analytics (2020)	Experimental Analysis of Convolutional Neural Networks & Capsule Networks for Image Classification
Vrinda, Rosy Madaan, Komal Kumar Bhatia, Surbhi Bhatia	Understanding the Role of Emotional Intelligence in usage of Social Media	10th International Conference on Cloud Computing, Data Science & Engineering
Sonali Gupta, Payal Gulati, Surbhi Bhatia, Rosy Madaan	An Automatic Approach to Music Recommendations based on Individual Personality Traits	International Conference on Innovative Computing and Communication
Ramesh Chandra Sahoo, Sateesh Kumar Pradhan, Poonam Tanwar	HopNet based Associative Memory as FC Layer in CNN for Odia Character Classification	10th International Conference on Cloud Computing, Data Science & Engineering

Aditya Verman, Vishrant Khanna, Poonam Tanwar	Design of Blockchain system for a Real Estate (A Revolution)	5th International Conference on Cyber Security & Privacy in Communication Networks
Simple Sharma, Seema Verma	Optimizing Website effectiveness using various SEO Techniques	7th International Conference on Signal Processing and Integrated Networks
Kamlesh Sharma, Shobhit Mangla, Animesh Singh	Smart System: IoT for voice-enabled Gas Pumps at Petrol Pumps	2nd International Conference on ICT for Digital, Smart, and Sustainable Development
Shweta Bali, S. S.Tyagi	Evaluation of Transfer Learning Techniques for Classifying Small Surgical Dataset	10th International Conference on Cloud Computing, Data Science & Engineering
Monika Goyal, Mrinal Pandey	Exploratory Analysis of Machine Learning Techniques to predict Energy Efficiency in Buildings	8th International Conference on Reliability, Infocom Technologies and Optimization
Ritika Bateja, Sanjay Kumar Dubey, Ashutosh Bhatt	Providing Patient Centric Healthcare to Diabetic Patients using D-Care Recommender System	3rd International Conference on Advanced Informatics for Computing Research
Ritika Bateja, Sanjay Kumar Dubey, Ashutosh Bhatt	Leveraging latest developments for delivering patient centric healthcare to diabetic patients	8th International Conference on Reliability, Infocom Technologies and Optimization
Kautsav, Swati, Priyanka, Poonam Tanwar, Brijesh Kumar	Facial Expression recognitions to predict Emotions	IEEE, International Conference on Engineering and Management,2020
Manisha Vashisht, Brijesh Kumar	A Survey Paper on Object Detection Methods in Digital Image Processing	International Conference on Computer Science, Engineering and Applications

ShivamTanwar, Pronika Chawla, Rosy Maadan and Preet Bhadana	Authentication of Face using Matlab	International Conference on Communication and Electronics Systems (ICCES 2020).
Sonakshi Khosla, Dhutima Malla, Ishank Dua, Deepa Bura, Pronika Chawla	"Nutri-Mental" —An Android Application for Personal Health And Nutrition Management	International Conference on Communication and Electronics Systems (ICCES 2020).
Raghav Chhabra, Uday Vohra, Vishrant, Aditya, Poonam Tanwar, Brijesh Kumar	The Next Gen Election : Design and Development of E-Voting Web Application	International Conference on Communication and Electronics Systems (ICCES 2020).
Anshu, Poonam Tanwar	Deep Analysis of Autism Spectrum Disorder Detection Techniques	IEEE, international Conference on Engineering and Management, 2020
Karan Chaudhary, Sahil Yadav, Tanishq Singh, Dhruv Yadvanshi, Monika Garg	Ensuring Privacy in Big Data	ICDAM 2020
Ekta Soni, Rashima Mahajan	MRI Image Compression using Asymmetric Wavelet Analysis	Advanced Informatics for Computing Research (2019)
Neemo Dhar	Public Relations & Corporate Communication	
Parul Wasan	Rediscovering Gandhi: Humanizing Science & Technology - Some Case Studies	
Parul Wasan	Managing Sustainability in the Hospitality and Tourism Industry Paradigms and Directions for the Future	Sustainable Technology in Hospitality Industry: Some Future Directions
Parul Wasan	Employees and Employers in Service Organizations	What motivates the millennials: A Perspective
Parul Wasan	Hospitality Marketing and Consumer Behavior	Managing Technologies for Consumer Engagement

Suresh Chandra Nayak	Repositioning Folklore and Indigenous Knowledge Systems	Value of Collecting and Archiving Folklore in Tribal Zones: A Study of Odisha
Rahul Joshi	Semantic Analysis of Politicians Tweets with Special reference to Punjab Assembly Elections	Role of Media in Strenghthening Society and Democracy
Sahil Malik, Anindita, Shilpa	Strategies for Business Sustainability in a Collaborative Economy	3W1H Approach to Understand the Millennial Generation
Rajat Gera, Shilpa Arora, Sahil Malik	Human Capital and People Management in the Tourism Industry	Emotional Labor in the Tourism Industry: Strategies, Antecedents and Outcomes
Samriti Mahajan and Rajat Gera	Global Business Strategies for Sustainability, Driving Business excellence through Digital Transformation	Determinant Factors Influencing Green Purchase Intention of Millennials in Delhi-NCR
Suman Sarkar, Bhavesh P Joshi	Recent Advances, Innovations and Challenges in Business and Research	
Stuti Sahni	Marketing World Heritage Sites: A Comparative Study of Delhi & Agra	NA
Amandeep Dhaliwal	Global Business Strategies for Sustainability, Driving Business Excellence through Digital Transformation	A Comprehensive Review of Research on Success Factors of Entrepreneurial Women Globally
Amandeep Dhaliwal	Management Practices in Asia: Case Studies on Market Entry, CSR, and Coaching	Schneider Electric India Private Limited: The CSR Dilemma
Gurseen Rakhra	Bioactive Peptides and Carbohydrates from Natural Products: A Source of Functional Foods and Nutraceuticals	
Upasana Yadav	Oleogels: A Healthier alternate to Saturated Fats in Food Products	UGC sponsored nation al conference on food safety, nutrtional secutiry and sustainibility

M Sneha Nair	Studies on the overall quality characteristics of Paneer with Fennel Seed Powder Extract	UGC sponsored nation al conference on food safety, nutrtional secutiry and sustainibility
M Sneha Nair	Development of Bottle Gourd Burfi with Jamun Leaves	UGC sponsored nation al conference on food safety, nutrtional secutiry and sustainibility

Sponsored Research: 2019-20

Faculty member awarded with the fellowship	Details of the Award	Date of Award	Awarding Agency
Dr Sarita Sachdeva, Dr Abhilasha & Dr Nidhi Didwania	Eco Next Talent Hunt for Eco Smart Youth Leadership and Competence Development of Young Change Makers based on Eco Eureka and E3 Next Training in Rural and Urban Haryana	08-03-2019	NCSTC, DST, GoI
Dr Sarita Sachdeva, Dr D. K. Chadha, Dr A. Mukherjee	Establishment of Wash Innovation Lab (WIL) under Innovation Hub for Urban Water, Sanitation and Hygiene	03-05-2018	National Institute of Urban Affairs (NIUA) sponsored by USAID
Dr A Mukheerji and Mudit Mishra	Communicating Science through Model Water and Eco-Health Clinic for Quality of Life	08-03-2019	NCSTC, DST, GoI
Aarushi Bhatia & Dr Sumit Bhateja	Panoramic Radiography - A Diagnostic Markers for early detection of Stroke	11-06-2020	ICMR
Dr Meghna Chhabra	Antecedents Leading To Capacity Building of Women Entrepreneurs in Delhi-NCR	09-09-2019	ICSSR-IMPRESS Project
Dr Abhilasha Shourie, BT, FET	Micorpropoagation of Commiphora wighti and production of guggulsterones	23-12-2019	M/s. CL Educate Ltd
Dr Anjali Gupta & Dr, Sunita Bansal, FET	Studies on the influence of Industrial Effulent on Geotechincal Properties of Cohesive Soil	23-12-2019	M/s. CL Educate Ltd
Dr Poonam Tanwar, CSE , FET	Design and Development of an application for managing the inventory, predicting and planning the material requirement	23-12-2019	M/s. CL Educate Ltd

Dr Ashish Grover & Dr Anita Khosla EEE, FET	Smart Building using IOT and TLC	12-03-2020	M/s. CL Educate Ltd
Dr M Raza Rizvi, PT, FAHS	To study the yo-yo intermittent recovery test (level 1) and change of direction ability test in Football Players	12-03-2020	M/s. CL Educate Ltd
Dr Anindita Chatterjee & Dr Deepti Dabas, FMS	Sustainable Development: Initatives in Higher Education	12-03-2020	M/s. CL Educate Ltd
Dr Sarita Sachdeva, Dr Nidhi Didwania, Dr Abhilasha Shourie	Bioformulation- A Novel Ecofriendly Solution against Fungal Pathogens in Tomato	25-09-2017	Indian Oil Corporation through Ministry of Petroleum, GOI
Dr Divya Sanghi	Effect of Microwave Radiations on Nutrient Value of Food Products	15-04-2020	Parsons Nutritionals Pvt Ltd
Dr Divya Puri & Dr Manu Solanki	Devlopment of Biodegradable Pacakaging Film to Prevent Microbial Spoilage of Food Products	15-04-2020	Parsons Nutritionals Pvt Ltd
Dr Mahak & Dr Nidhi	Hearbal Treatment of Kidney Stones by Kalanchoe Pinnata	15-04-2020	Parsons Nutritionals Pvt Ltd
Dr Rashmi & Dr Sarita	Water Quality Assessment of Tube Wells of Pali Village	24-07-2019	AMBA Engg. Pvt. Ltd
Ms. Seema Mahtoo	Improving Performance of Boiler System	08-07-2019	AMBA Engg. Pvt. Ltd
Mr. Sushant Sharma	Design Analysis and Generation of Tool Path for Passenger Aircraft Front Spar Centre	11-12-2019	EC Blades Tools (P) Ltd
Mr. Prateek Mittal	Design Analysis and Generation of Tool Path for Passenger Aircraft Front Spar (LH)	11-12-2019	EC Blades Tools (P) Ltd
Mr. Dain Thomas	Design Analysis and Generation of Tool Path for Passenger Aircraft Front Spar (RH)	11-12-2019	EC Blades Tools (P) Ltd
Ms. Seema Mahtoo	Design Analysis and Generation of Tool Path for Precision Machining of Ball Pins using 2-Axis Programming	11-12-2019	EC Blades Tools (P) Ltd
Ms. Jimmy Mehta	Design Analysis and Generation of Tool Path for Precision Machining of Aircraft Flange using 2-Axis Programming	11-12-2019	EC Blades Tools (P) Ltd
Dr Rajender Kumar	Design Analysis and Generation of Tool Path for Precision Machining of Aircraft Socket using 2-Axis Programming	11-12-2019	EC Blades Tools (P) Ltd
Dr Basant Bhuyan	Design Analysis and Generation of Tool Path for Passenger Aircraft Front Spar Centre	11-12-2019	EC Blades Tools (P) Ltd

Dr Manoj Nayak	Heat Treatment Solution of Front Spar Centre	11-12-2019	EC Blades Tools (P) Ltd
Dr Devender Vashist	Design Analysis and Generation of Tool Path for Passenger Aircraft Front Spar (LH)	11-12-2019	EC Blades Tools (P) Ltd
Dr Manoj Nayak Mr. Arun Gaur	Heat Treatment Solution of Aircraft Front Spar Centre (LH)	11-12-2019	EC Blades Tools (P) Ltd
Mr.Dain Thomas Mr. Sachin Marwah	Design Analysis and Generation of Tool Path for Passenger Aircraft Front Spar (RH)	11-12-2019	EC Blades Tools (P) Ltd
Mr.Vishal Mr. Sunny Bhatia	Heat Treatment Solution of Passenger Aircraft Front Spar (RH)	11-12-2019	EC Blades Tools (P) Ltd
Dr Manoj Nayak & Dain D. Thomas	Design Analysis and Generation of Tool Path for Precision Machining of Ball Pins Using 2-Axis Programming	11-12-2019	EC Blades Tools (P) Ltd
Mr. Joydeep Chakroborty	Heat Treatment Solution of Ball Pins	11-12-2019	EC Blades Tools (P) Ltd
Mr. Pankaj Shakkarwal	Design Analysis and Generation of Tool Path for Precision Machining of Aircraft Flange using 2-Axis Programming	11-12-2019	EC Blades Tools (P) Ltd
Ms. Jimmy Mehta	Heat Treatment Solution of Aircraft Flange	11-12-2019	EC Blades Tools (P) Ltd
Mr. Rajender Kumar	Design Analysis and Generation of Tool Path for Precision of Aircraft Socket	11-12-2019	EC Blades Tools (P) Ltd
Mr. Sushant Sharma	Heat Treatment Solution of Aircraft Socket	11-12-2019	EC Blades Tools (P) Ltd
Dr Virender Narula Mr. Vinay Kumar	Design Analysis and Generation of Tool Path for Precision Machining of Aircraft Bracket using 2-Axis Programming	11-12-2019	EC Blades Tools (P) Ltd
Mr. Dinesh Chawla & Mr. Arun Gaur	Heat Treatment Solution of Aircraft Bracket	11-12-2019	EC Blades Tools (P) Ltd
Dr Priyanka Singh	Re-structuring and Organization Development	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Dr Bhavesh Prakash Joshi,	International Trading Practices	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Dr Priyanka Singh	Social Media Markeing and Growth	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Dr Bhavesh Prakash Joshi,	Talent Management	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)

Dr Amandeep Dhaliwal	Career Planning and Growth	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Dr Farhat Mohsin	Leadership and Team Building	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Dr Amandeep Dhaliwal	Data Analytics, Artificial Intelligence and Business Growth	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Ms Shilpa Arora	Employee Attitude and Customer Delight	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Ms. Shilpa Arora, Dr Anindita Chatterjee Rao, Mr Gautam Srivastava	Emerging Trends in Supply Chain Management	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Dr Amandeep Dhaliwal	Business Analytics and Organisation Development	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Dr Amit Seth & Dr Surbhi Kapoor	Strategic Human Resource Mangement	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Dr Meghna Chhabra & Dr Amit Seth	Strategic Mangement and Policy Making	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Dr Bhavesh Prakash Joshi, Dr Deepti dabas Hazarika, Dr Riddhi Khattar	Export & Import Documentation	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Dr Narinder Tanwar and Neha Wadhawan	Effective Policy Framework for fostering Entreprenuership Eco system in Indian Education System	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Dr Anjali Singh , Dr Priyanka Srivastava	An overview on the Sustainable e-Waste Management System in India	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Dr Rakesh Arya & Dr Urvashi Sharma	Migration as a proxy for Multi dimensional poverty in Uttar Pradesh and Bihar	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Dr Rakesh Arya & Arun Vashisht	Study of Distress faced by MSMEs in Faridabad and Palwal District	28-08-2019	Distribution Logistics Infrastructure Private Limited (DLI)
Ms. Shilpa Arora, Dr Farhat Mohsin	Export and Import Documentation	20-03-2020	Virtus Export & Imports Pvt Ltd
Dr Priyanka Singh, Dr Anindita Chatterjee Rao	Leadership Development & Succession Plannning	20-03-2020	Virtus Export & Imports Pvt Ltd
Dr Riddhi Khattar, Dr Bhavesh Prakash Joshi	Fund Flow Analysis	20-03-2020	Virtus Export & Imports Pvt Ltd

Dr Anindita Chatterjee Rao	Organization Development	20-03-2020	Virtus Exports & Imports Private Limited
Dr Farhat Mohsin	Incentives and Compensation	20-03-2020	Virtus Exports & Imports Private Limited
Dr Deepti Dabas Hazarika	Digital Marketing and Branding	20-03-2020	Virtus Exports & Imports Private Limited
Dr Farhat Mohsin	Payroll Services Emerging Trends	20-03-2020	Virtus Exports & Imports Private Limited
Dr Anindita Chatterjee Rao,	Coaching and Counselling for Employees	20-03-2020	Virtus Exports & Imports Private Limited
Ms Shilpa Arora	Business Development	20-03-2020	Virtus Exports & Imports Private Limited
Dr Deepti Dabas Hazarika	Business Evaluation	20-03-2020	Virtus Exports & Imports Private Limited
Ms. Preeti Saini	Effect of Inclined Treadmill Walking on Hamstring and Tibialis anterior in People with Low back Pain	20-03-2020	Virtus Exports & Imports Private Limited
Mr. Shobhit Saxena	Effect of Proprioceptive Neuromuscular Facilitation Neck Pattern and Suboccipital Release in Tension Type Headache	20-03-2020	Virtus Exports & Imports Private Limited
Mr. Shishir Nigam	Association of Core Muscles Strength & Hip External & Internal Muscles Strength with Performance Parameters of Elite Badminton Players	20-03-2020	Virtus Exports & Imports Private Limited
Ms. Vandana Garg	Influence of Social Media on Eating Behaviour of School going Children	20-03-2020	Virtus Exports & Imports Private Limited
Ms. Ankita Sharma	Assessment of consumption pattern of Vitamin D fortified food in young adult women.	20-03-2020	Virtus Exports & Imports Private Limited
Sonal Pathak, Kavita Arora	Machine Learning in Healthcare	20-03-2020	Virtus Exports & Imports Private Limited
Neerja Negi, Sunita Joshi	Smart Kitchen using IoT	20-03-2020	Virtus Exports & Imports Private Limited
Sunita Joshi, Neerja Negi	IoT in Agriculture	20-03-2020	Virtus Exports & Imports Private Limited
Dr Sadiqa Abbas	WQI Development of Industrial Area Faridabad	19-02-2020	EGIS INDIA CONSULTING ENGINEERS P LTD

Ms. Sonal Bhugra	Analysing the Real Time Factors of Traffic congestions and proposed a solution for Shankar vihar to Kalkaji Metro Station	19-02-2020	EGIS INDIA CONSULTING ENGINEERS P LTD
Dr Sunita Bansal	Design for M 40 and M 50 Grade Concrete for an Industrial Structure in Noida	19-02-2020	EGIS INDIA CONSULTING ENGINEERS P LTD
Mr Aftab Alam	Technical Services for Preparation of the Tender	19-02-2020	EGIS INDIA CONSULTING ENGINEERS P LTD
Ms. Smriti Saigal & Dr Sunita Bansal	Design for Installation of e-Toilets	19-02-2020	EGIS INDIA CONSULTING ENGINEERS P LTD
Dr Sadiqa Abbas	Assessment of Waste Management Practices of an Academic Institute	19-02-2020	EGIS INDIA CONSULTING ENGINEERS P LTD
Ms. Sonal Bhugra	Construction Design of e-Rickshaw Stands	19-02-2020	EGIS INDIA CONSULTING ENGINEERS P LTD
Ms. Anjali Gupta	Urban Graphic Design in Campus	19-02-2020	EGIS INDIA CONSULTING ENGINEERS P LTD
Ar.Anika Singh	Design for Net Zero Energy Campus Building	19-02-2020	EGIS INDIA CONSULTING ENGINEERS P LTD
Dr Farhat and Dr Anandita	Role of Social Media in Driving Engament and Colaboration among Stakeholders	19-02-2020	EGIS INDIA CONSULTING ENGINEERS P LTD
Dr Poonam Tanwar, Dr Rody Madaan, Dr Parul Gandhi	Design of AI Pervasive Model to Deliver customized Sales Assortment Recommendations	08-11-2019	LAVA International Ltd
Dr Ashish Grover, Dr Savita Sindhu	Management of Smart Phone Battery efficiently and its technical Analysis	08-11-2019	LAVA International Ltd
Ms. Shewta Sharma , Ms. Simple Sharma	Design and Devlopment of Self-adaptive feature extraction and quality Image Processing and assesment for smart phone devices.	08-11-2019	LAVA International Ltd
Dr Nitasha Soni, Ms. Shewta Sharma	Developing a Smartphone as a Point-of-Care Device for Convenient Medical Diagnosis.	08-11-2019	LAVA International Ltd
Dr Supriya Panda, Dr Indu, Ms. Rachna Behl	VR- Enabled Classrooms.	08-11-2019	LAVA International Ltd
Dr Savita Sindhu, Dr Ashish Grover	Touch screen issues in LAVA mobiles	08-11-2019	LAVA International Ltd
Dr Charu Virmani, Dr Monika Garg	Automated AI based Customer Service Inquiry Resolution System	08-11-2019	LAVA International Ltd

Dr Umesh Datta, Dr Abhiruchi Passi	To Design a Fast Charging portable Plate for Mobiles and Tabs	08-11-2019	LAVA International Ltd
Dr Rosy Madaan, Dr Poonam Tanwar	Churn prediction system	08-11-2019	LAVA International Ltd
Dr Suresh Kumar, Priyanka Grover	Child's Behavior detection using Mobile App	08-11-2019	LAVA International Ltd
Dr Deepa Bura, Shweta Sharma	Design and Development of Mobile App for Agriculture	08-11-2019	LAVA International Ltd
Dr Indu Kashyap, Pronika Chawla	Design and Development of Chat bot for enhanced Customer Satisfaction	08-11-2019	LAVA International Ltd
Dr Krishan Kumar, Pinki Sagar	Mobile App for Event Management	08-11-2019	LAVA International Ltd
Ranjeeta Mittal, Dr Rosy Madaan	Application for tracking usage pattern during study hours for students.	08-11-2019	LAVA International Ltd
Dr Meeta Singh, Romisha Arora	Design and Devlopment of Tracking app for elderly People	08-11-2019	LAVA International Ltd
Dr Poonam Katyal	App for detection Malware	08-11-2019	LAVA International Ltd
Dr Charu Virmani, Dr Nitasha Soni	Analysisng the Security Threats during Transactions	08-11-2019	LAVA International Ltd
Shefali Singhal, Arun Kumar	Communicate Health Information through Mobile Phone	08-11-2019	LAVA International Ltd
Simple Sharma, Pinki Sagar	Design the customized Mobile Application as per user needs	08-11-2019	LAVA International Ltd
Dr Supriya P. Panda, Rachna Behl	Optimizing Device Power Heating Issues	08-11-2019	LAVA International Ltd
Dr Kamlesh Sharma, Dr Tanvi Gupta	Creation and testing of usability of an Oral and Dietary Health Mobile Application	08-11-2019	LAVA International Ltd
Dr Savita, Monika Shah	LavaPay Wallet: A Wireless Payment Wallet.	08-11-2019	LAVA International Ltd
Dr Supriya P. Panda, Rachna Behl,	Designing a Solution for Improving Performance through Memory Management	08-11-2019	LAVA International Ltd
Dr Kamlesh Sharma, Dr Tanvi Gupta	Mobile App for self Management of Diabetes	08-11-2019	LAVA International Ltd
Dr Poonam Tanwar, Dr Amit Chugh	ML based Disease Daignosing Application	08-11-2019	LAVA International Ltd
Dr Monika Garg,Shobha Tyagi	Mobile app for Employee Location Tracking	08-11-2019	LAVA International Ltd
Neha Garg, Arun Kumar	Android Forensics: Automated data collection and reporting from a Mobile device	08-11-2019	LAVA International Ltd

Dr Kritika Soni, Neha Batra	Mobile App to track the Parents health status and putting the reminders for Medicines and regular Health Checkups	08-11-2019	LAVA International Ltd
Srishty Jindal, Sunita Virmani	Detection of change in Mental pressure and inform friends (selected) from phone list	08-11-2019	LAVA International Ltd
Shefali Singhal, Dr Savita	Mobile Phones to increase motivation for Learning.	08-11-2019	LAVA International Ltd
Simple Sharma, Pinki Sagar	Mobile app to track the Diet and Fitness Goals	08-11-2019	LAVA International Ltd
Dr Meeta Singh, Poonam Katyal	Design and Devlopment of Emotion Detection using Face recognition	08-11-2019	LAVA International Ltd
Dr Poonam Nandal, Priyanka Grover	Driver Drowsiness Detection using Mobile Camera	08-11-2019	LAVA International Ltd
Rachna Behl, Ranjeeta Mittal	Enhancing Picutre quality through Edge Detection Methods	08-11-2019	LAVA International Ltd
Charu Virmani, Deepa Bura	An AI based chat bot to service customer request	08-11-2019	LAVA International Ltd
Dr Suresh Kumar, Dr Urvashi Chugh	Key Logger for Lava Mobiles	08-11-2019	LAVA International Ltd
Dr Krishan Kumar, Pinki Sagar	Design a mobile application for restricting the access of mobile gaming app beyond the time slot.	08-11-2019	LAVA International Ltd
Dr Indu Kashyap, Pronika Chawla	An AI Based Search Voice Assistant for Lava Mobiles	08-11-2019	LAVA International Ltd
Dr Meeta Singh, Poonam Katyal	Design and Devlopment of Movement enabled Music feature of Mobile Phone	08-11-2019	LAVA International Ltd
Dr Poonam Nandal, Priyanka Grover	A Study and Overview of the Mobile App Development Industry and comprative study of the existing features and Utilities	08-11-2019	LAVA International Ltd
Rachna Behl, Ranjeeta Mittal	Enhancing Picutre quality through edge detection methods	08-11-2019	LAVA International Ltd
Charu Virmani, Deepa Bura	An AI based recommender system to generate wishlist	08-11-2019	LAVA International Ltd
Madhumita Panda, Shweta Sharma	Build an Android application to generate caption for captured images	08-11-2019	LAVA International Ltd
Dr Monika Garg, Shobha Tyagi	A voice enabled system to control Electronic Equipments in Homes	08-11-2019	LAVA International Ltd
Neha Garg, Dr Amit Chugh	Build an Android Application for step counter	08-11-2019	LAVA International Ltd
Dr Kritika Soni, Neha Batra	A mobile application for mood liftup on the basis of browsing history	08-11-2019	LAVA International Ltd
Srishty Jindal,Sunita Virmani	Design of Mood Detection Mechanism using text done by user on social media	08-11-2019	LAVA International Ltd

Dr Prashant Dixit, Monika	Can Mobile Phone can be used as router, in case of absentia of Infrastructure, means Local Mobile network without Sim Card?	08-11-2019	LAVA International Ltd
Dr Narinder Tanwar and Neha Wadhawan	Effective policy Framework for fostering Entreprenuership Eco system in Indian Education System	08-11-2019	LAVA International Ltd
Dr Anjali Singh, Dr Priyanka Srivastava	An overview on the Sustainable e-Waste Management System in India	08-11-2019	LAVA International Ltd
Mr. Sandeep Srivastava	Efficient Battery Back-up for Inverters for efficient Power Supply	14-12-2019	Mohit Minerals Ltd
Dr Kalpana Varshney	Alternatives to Thermocol disposables	14-12-2019	Mohit Minerals Ltd
Dr Shagufta Jabin Dr Rajeev Kumar	Treatment of waste water of sugar Industry	14-12-2019	Mohit Minerals Ltd
Dr Sarvesh Kumar	Development of Dye Sensitized Solar Cells based on Green Materials	14-12-2019	Mohit Minerals Ltd
Dr Devi Singh Dr Neeraj Kumari	Study of Industrial Noise Pollution	14-12-2019	Mohit Minerals Ltd
Dr Vijay Kumar & Dr Arti Saxena	Decision Support System for Newly Appointed Practitioners for the Diagnosis of Common Diseases in Rural Health Care Centres	14-12-2019	Mohit Minerals Ltd
Dr Deepak Kumar Dr Pooja Khurana	Advancement of Mathematical Model for Analysis of Air Quality	14-12-2019	Mohit Minerals Ltd
Neha Gupta, Dr Rashmi Agrawal	Bayesian Belief Network (BBN) approach for Mobile based Decision Support service in Tomato Pest Management	14-12-2019	Mohit Minerals Ltd
Kavita Arora, Sonal Pathak	Machine Learning in Farming	14-12-2019	Mohit Minerals Ltd
Vishawjyoti, Neha Gupta	Optimized Test case Execution Technique	14-12-2019	Mohit Minerals Ltd
Sonia Duggal, Anupriya Jain, Sachin Sharma	Wako Student: IoT Monitoring system	14-12-2019	Mohit Minerals Ltd
Seema Sharma, Anupriya Jain, Sonia Duggal	e-authentication system	14-12-2019	Mohit Minerals Ltd
Rajkumar, Parul Gandhi	Analysing effectiveness of distance measuring techniques for Recommender System	14-12-2019	Mohit Minerals Ltd
Anupama Pankaj Shaveta Bhatia	Design & development of efficient techniques in Data Mining	14-12-2019	Mohit Minerals Ltd
Parul Gandhi, Dr Rashmi	Design and development of software quality model using Hybrid approach	14-12-2019	Mohit Minerals Ltd
Ms Ankita Bharti	Television on Demand: Emergence of OTT Platforms	14-12-2019	Mohit Minerals Ltd

Ms Krishna Pandey Dr Suman Kumari	High Definition Broadcasting: A study of Viewers from Haryana	14-12-2019	Mohit Minerals Ltd
Ms Mitali Mohanty Ms Ankita Bharti	Analysing Print Media in Rural India	14-12-2019	Mohit Minerals Ltd
Dr Suman Kumari	Analysing Media Affinity among Youth of District Faridabad, Haryana	14-12-2019	Mohit Minerals Ltd
Mr. Rahul Joshi	VFX in Films: Case study of Bahubali (The Beginning)	14-12-2019	Mohit Minerals Ltd
Ms. Mithali Mohanty	Understanding the Female Viewership of Non-Cricket Sports Leagues in India	14-12-2019	Mohit Minerals Ltd
Nida Hasan	Water Harvesting Project	14-12-2019	Mohit Minerals Ltd
Ms. Smriti Saigal	Bus Depot Redesign	14-12-2019	Mohit Minerals Ltd
Nida Hassan & Smriti Saigal	Green facades	14-12-2019	Mohit Minerals Ltd
Ms. Shabeena	Geospatial Services	14-12-2019	Mohit Minerals Ltd
Dr Sunita Bansal & Smriti Saigal	Sculpture - Design, Installation, Maintainance	14-12-2019	Mohit Minerals Ltd
Dr Meghna, Dr Sujata	The Triumph of Totalitarianism from the Communist USSR to the Democracies of the Post Truth Era: An Analysis of Orwell's Political Prophetism in the Animal Farm:	14-12-2019	Mohit Minerals Ltd
Dr Bhavesh, Dr Sujata	A Comparative Study of Gender Roles in the Victorian and the Early Modern Times with Special Reference to Hardy's Tess of the d'Urbervilles and Ibsen's A Doll's House.	14-12-2019	Mohit Minerals Ltd
Dr Manu Solanki	Assessment of Microbial contamination in Aseptic manufacturing Environments	27-09-2019	Blue Circle Organics Pvt. Ltd.
Dr Abhilasha Shourie	Isolation of Bioactive compounds from Vegetable waste	27-09-2019	Blue Circle Organics Pvt. Ltd.
Dr Sabiha Imran	Antimicrobial study of bacteriocin isolated from Polluted Water	27-09-2019	Blue Circle Organics Pvt. Ltd.
Dr Rashmi Rameshwari	To study Gut microbiome and its Interactions	27-09-2019	Blue Circle Organics Pvt. Ltd.
Dr Kapila Kumar	Detection Biosensor for Pollutants	27-09-2019	Blue Circle Organics Pvt. Ltd.
Dr Kapila Kumar	Protein Interaction Analysis for HBV	27-09-2019	Blue Circle Organics Pvt. Ltd.
Ms. Prachie	Hepatitis 'B' viral determination of Novel targets	27-09-2019	Blue Circle Organics Pvt. Ltd.

7.4 Government - Industry Funded Research Projects

It is often said that the best place to invest money in a Society is to invest in educating the next generation, obviously in order to secure the future. Doing research is important because it contributes to enhance Knowledge, Development and Improvement etc. People who teach can do research in order to improve their competence, teaching and learning process. Also, research is important in our everyday life as it builds the graphic vision of Life and ultimately the very Philosophy of all subjects. Hence here at Campus faculty members are encouraged to indulge in research and Consultancy work for their Growth.

- A Research Grant of more than INR 1.16 crore has been received during 2019-20 for various Research Projects and setting-up Research and Development facilities at MRIIRS, which includes:

  - Project grant under ICSSR-IMPRESS 3615 scheme: Antecedents Leading to Capacity Building of Women Entrepreneurs: A Study with reference to Women Entrepreneurs from Delhi NCR.

7.5 Innovation

In today's increasingly globalised world, it is important to make learning and education a holistic experience beyond classroom academics. Keeping this in mind, Indian universities are introducing various elements of approach to "innovation concept" in teaching to give students all-round development and growth.

University is the original cultivator of true learning and the green house that nurtures talent and creativity. The dynamics between a teacher and students define the essence of Learning. A great teacher can transform the brick-and-mortar confinement and take students on a Journey of pure learning, responding to their doubts and instilling an environment of curiosity and interactivity. Hence, to optimize the learning experience, schools and colleges in India are heading to embrace innovative methods in teaching, installing the latest educational technology and encouraging teachers to be more creative than ever, leading to birth of orientation towards bringing in "Innovation" in students via idea pitching and development of prototype.
Here's a glimpse of some of the notable innovative projects developed by students of MRIIRS with their teacher mentors, who in togetherness, are trying out to make learning effective, engaging, and a fun:

- **AICTE Vishwakarma Award- Halestein Foodlabs won third prize in AICTE-Vishwakarma Award 2019 (**worth Rs. 21000/-)
- **Cisco Global Problem Solver Challenge 2020: Project CAELI-** An automated Anti-Pollution and Drug delivery mask for Asthmatic Patients. Won People's Choice (10K USD) and India Impact People's Choice Award (5K USD)
- **Microsoft Imagine Cup 2019: Project CAELI:** An automated Anti-Pollution and Drug delivery mask for Asthmatic Patients. Prize Money won 40K USD
- **Mitsubishi Electric Cup 2020-** Team Eco Warriors won the most popular Team award in Mitsubishi Electric Cup 2020 with project entitled "The Plastic Salvager".

- **IIT Mandi Catalyst -** A Technology Business Incubator 2020 - Won the 3 stage Competition: Selected for 3 months residential program for further exploring their idea D-Check and got seed funding of 1.5 lacs
- **National Convention-Research & Innovation in Science and Technology,** Organized by University of Petroleum and Energy Studies- Won 2nd position for Project Global Intuitive Crash Avoidance, at National Convention - Research & Innovation in Science and Technology, Organized by University of Petroleum and Energy Studies.
- **IBM ICT Day -** Got Third Position for Project Future Innovative Technology (FIT) based Suitcase
- **Faridabad Industry Association**: **Project Competition -** Won 3rd position in FIA 2019 for Project: Affordable e-Car Simulators and Won 2nd position in FIA 2019 for Project: IoT based Health Monitoring System using Arduino.
- **Featured in The Better India-**
  - **Pariyayantra: An Air Pollution mitigation Project**
  - **Face Protection Shield designed by the team of Makershala (Techno Planet- a startup incubated at Manav Rachna)**
  - **A sensor based smart switch system that can be operated without any physical touch or contact.**
- **Riddhi Bhardwaj (Student MSc Biotech, MRIIRS)-Qualified Dec 2019 CSIR JRF NET with 99.4 percentile**
- **Paper Presentation at Oxford University, UK-** Ms. Avneet Kaur Bhatia, PhD Scholar from Dept of Journalism and Mass Communication presented her research paper on 'Feminist Reflections in Contemporary Punjabi Cinema' at Oxford University, UK

Patent: 2019-20

Patent Application No.	Status of Patent (Published/ Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name
201611040143	Granted	Dr. Dipali Bansal & Ms. Neena Godara	Mobile Home Based Biogas Digester	Manav Rachna International Institute of Research and Studies
202011019359	Published	Dr. Rosy Madaan	Electronic Vehicle Identification System	Manav Rachna International Institute of Research and Studies
202011015852	Published	Dr. Swati Watts	Automatic Sanitized the Elevator Key Inside Outside Surface and Air	Manav Rachna International Institute of Research and Studies
326252-001	Published	Dr. Rosy Madaan , Dr. Surbhi Bhatia, Dr. Rashima Mahajan,	Goggle With Speed Indication	Manav Rachna International Institute of Research and Studies

201941044768	Published	Dr. Rosy Madaan	The Remort Health Monitoring System with Wireless Sensors and IoT through Multivariate Medical Data	Manav Rachna International Institute of Research and Studies
201711018914	Published	Devendra Vashist, Manu Bindra	Spiral Duct Particulate Matter Seperator for Internal Combustion Engines	Manav Rachna International Institute of Research and Studies
201711018934	Published	Dr. Meeta Singh, Dr. Poonam Nandal, Dr. Deepa Bura, Srishty Jindal, Sujit Roy	Call Swapper in Mobiles	Manav Rachna International Institute of Research and Studies
WO2019161049	Published	Dr. Pradeep Kr. Varshney	Fabrication of Non-Enzymatic Sensor based on Pt-Pvf or Au-Pvf or Ir- Pvf On Amodified Pt Electrode or Determination of Glucose	Manav Rachna International Institute of Research and Studies
1201805595	Published	Dr. Rashima Mahajan	Printing System that Reuses Print Media	Manav Rachna International Institute of Research and Studies
WO-2020-089933	Published	Dr. Nidhi Didwania & Dr. Sarita Sachdeva	Bio-pesticide Oil Formulation	Manav Rachna International Institute of Research and Studies

7.6 Consultancy 2019-20

A Consultancy worth more than INR 1.41 crore was undertaken by faculty members of MRIIRS during AY 2019-20 for various projects including:

- Porch Design at Tilyar Lake Rohtak
- Structural Audit of Overhead Tank situated at Tikona Park, NIT Faridabad
- Hydrogeological Survey Aquifer Monitoring in Barmer, Rajasthan of Cairn Oil and Gas Vedanta Ltd
- Industrial Training on Advanced iQ-R Setup
- AMIE Section-B Practical Training & Evaluation Summer Session
- Optimization of Hydraulic boom maintenance schedule for increased productive time
- Nutrition & Dietetics Solution
- Physiotherapy Solutions
- Consultancy on technical framework of GST Portal to claim Interstate (CGST+ SGST) Refund
- MDP Finance Modelling Budget and Planning using EXCEL
- M/s. KMR Transport
- CL Educate
- SG Global
- Parsons Nutritionals Pvt Ltd
- In-Situ De-Salination using ISP System Installation in saline Aquifer from Maharani Innovative Paints, Prithla, Palwal.
- Solid Waste Management at Rakhigarhi from Indian Trust for Rural Heritage and Development (ITRHD)
- Corporate Training.

S. No.	Name of the Consultant (s) department	Name of Consultancy project	Consulting/ Sponsoring Agency
1	Dr. Deepti Dabas Hazarika- Management Studies	Analysis of the Real Estate Industry	Royal Buildmart Pvt. Ltd.
2	Dr. Devendra Vashisht- Auto	Devicing maintenance Schedule for optimized available Working time of hydraulic boom.	Genesis Technobuild Pvt. Ltd., New Delhi
3	Sarita Sachdeva, Abhilasha Shouri, Sadiqua Abbas	Solid Waste Management at Rakhigarhi	Indian Trust for Rural Heritage and Development (ITRHD)
4	Dr. Anjali Gupta	Structural Audit of Overhead tank situated at Tikona Park (Auto Market), NIT, Faridabad	Municipal Corporation Faridabad
5	Dr. Anjali Gupta	Structural Design of Porch at Tilyar Lake, Rohtak	Haryana Tourism

6	Devendra Vashisht	Optimization of Hydraulic boom maintenance schedule for Increased Productive time	Genesis Technobuild Pvt. Ltd., New Delhi
7	Mehak Sharma	Various clients for Nutirition & Dietetics Solution	Nutirition & Dietetics Solution
8	MRDC	Dental Services	OPD Services in Dental
9	Dr Meena Jain, MRDC	Supreme Court of India, New Delhi	Scaling Treatment for Legal Personnels
10	Dr Meena Jain, MRDC	Rotary Club Green, Faridabad	Dental Hygiene for School Children under 12 years
11	Dr Meena Jain, MRDC	Rotary Club Midwest Delhi	Cognisence of Dental Health in School Children
12	Preeti Saini	Various clients for Physiotherapy Solutions	Physiotherapy Solutions
13	Prof. Sanjeev Gupta	Consultancy for Electrical Execution Work	Brij India Architect
14	Dr. Monika Goel	Technical framework of GST portal to claim Interstate (CGST+ SGST) Refund	Romco Offset
15	Dr. Anita Khosla-Electrical and Electronics Engineering	Industrial Training on Advanced iQ-R Setup	Mitsubishi Electric India
16	Dr. Anita Khosla-Electrical and Electronics Engineering	AMIE Section-B Practical Training & Evaluation Summer Session	Associate Member of Institution of Engineers. (AMIE) by Institution of Engineers (INDIA)
17	Dr. Anita Khosla-Electrical and Electronics Engineering	AMIE Section-B Practical Training & Evaluation Winter Session	Associate Member of Institution of Engineers. (AMIE) by Institution of Engineers(INDIA)
18	Dr. Monika Goel, Commerce	Financial Modelling Using Excel	Al Rowat Qatar
19	Dr. Amandeep Dhaliwal	Emotional Intelligence	Corporates-TCS, Hero Motocorp etc.
20	Achin Kumar, Dikshant Jatwani and Team	Sports Science Services for training camp, Strenght and Conditioning Training Sessions, Sport Science services	NATIONAL RIFLE ASSOCIATION OF INDIA

Details of Revenue generated from Corporate Training by the institution during the year are provided as below:

Name of the Consultant(s) Department	Title of the Programme	Agency seeking training	Revenue generated (in Rupees)
Dr. Anita Khosla-Electrical and Electronics Engineering	Industrial Training on Advanced iQ-R Setup	Mitsubishi Electric India	104,000

Dr. Anita Khosla-Electrical and Electronics Engineering	AMIE Section-B Practical Training & Evaluation Summer Session	Associate Member of Institution of Engineers.(AMIE) by Institution of Engineers(INDIA)	316,800
Dr. Anita Khosla-Electrical and Electronics Engineering	AMIE Section-B Practical Training & Evaluation Winter Session	Associate Member of Institution of Engineers. (AMIE) by Institution of Engineers (INDIA)	288,000
Dr. Monika Goel, Commerce	Financial Modelling Using Excel	Al Rowat Qatar	54,750
Dr. Amandeep Dhaliwal	Emotional Intelligence	Corporates-TCS, Hero Motocorp etc.	711,009
Achin Kumar, Dikshant Jatwani and Team	Sports Science services for training camp, Strenght and Conditioning Training Sessions, Sport Science Services	National Rifle Association of India	10,500,000

7.7 Research Incubator

As an integral part of student's growth in research and development, MRIIRS is proudly carrying out student driven research programme at B. Tech Level from Past few years. Since its launch at 2016, Research Incubator programme remains thoroughly focused and dedicated towards yielding several path-breaking research and innovation activities.

Number of start-ups incubated on Campus Matured as Limited Liability Partnership				
Incubation Centre	**Team Members**	**Sponsored By**	**Name of Start-up**	**Nature of Start-ups**
NewGen IEDC Manav Rachna	Kashish Kohli, Prince	DST, NSTEDB, GOI	F.A.C.T.S (Formerly KD TECH)	COVID 19 crowd management system, Prototype Development
NewGen IEDC Manav Rachna	Kashish Kohli	DST, NSTEDB, GOI	Crowd Management	Smart Devices for managing the Crowd to help fight the Pandemic
NewGen IEDC Manav Rachna	Ashish Jha, Pankaj Baid, Eklavya	DST, NSTEDB, GOI	Traya Tech	Sanitization Gloves for Industries
MRIIC	Ayush Mohan, Kartik Rampal	Registered as Pvt. Ltd. Firm	M/s. Tackyon Motors Sports Pvt. Ltd.	In Design and Development of Electric Scooter
NewGen IEDC Manav Rachna	Simran Kaushik	DST, NSTEDB, GOI	Smart Tee	IoT based traffic management, Prototype
NewGen IEDC Manav Rachna	Raushan Kumar	DST, NSTEDB, GOI	Farms book Solutions	Agriculture & Crop growth, Prototype
NewGen IEDC Manav Rachna	Puneet Dutta	DST, NSTEDB, GOI	Attaware biodegradable	Edible cutlery, Prototype
NewGen IEDC Manav Rachna	Devender Kaushik	DST, NSTEDB, GOI	ParkInn	Smart Parking Lots
NewGen IEDC Manav Rachna	Animesh Singh, Shobhit, Vaibhav Ahlawat	DST, NSTEDB, GOI	Jugal beats	Community Platform for upcoming Musicians and Artists
NewGen IEDC Manav Rachna	Rohan Dhawan and Himanshu Garg	DST, NSTEDB, GOI	Orchard India	Economical harvestor attachments with specially designed trailer

NewGen IEDC Manav Rachna	Priyanka Gera	DST, NSTEDB, GOI	Medical Tourism	An integrated platform for all medical requirements sought by foreign travellers in India
NewGen IEDC Manav Rachna	Dhruv Rohatgi	DST, NSTEDB, GOI	One Touch	Smart Switches and IOT solutions for Domestic Applications
NewGen IEDC Manav Rachna	Parul, Mukul, Deepak	DST, NSTEDB, GOI	Bliss Board	Smart and portable Bliss Board (braille board) for blind people to interact well with their smartphones and communicate well on social media handles.

7.8 Business Incubator

Manav Rachna Business Incubator (MRBI) is nurturing and overseeing innovation and entrepreneurship at Manav Rachna Campus. With a rich tradition of incubation through bodies such as the NewGen Innovation and Entrepreneurship Development Centre has also pioneered innovation with groups such as the E-cell, MRBI will leverage these experiences and give entrepreneurship a stronger push as well as serve to coordinate and promote Innovation-driven activities at the Institute. MRIIRS has been granted financial support of Rs. 2.87 Crores from DST-NESTEDB, Govt. of India for setting up of a Manav Rachna New Generation Innovation and Entrepreneurship Development Centre (MRNewGen-IEDC) in the Campus to nurture student- entrepreneurial ventures. It's physical working space is more than 5000 sq. feet area with latest amenities including internet, Wi-Fi, conference rooms, multimedia projector, pantry, and recreational area. Each startup incubated at Campus, receives funding of Rs. 2.5 Lakhs for the developmental work alongwith recurring grant. Several startups have been incubated last year. Some of the notable incubated startups of Manav Rachna students under the banner of MRBI, are given below:

Techno Planet Lab Pvt. Ltd. This is a company working in education space to develop new age tools, technologies and programs to create engaging K-12 learning experiences with an ultimate objective to revolutionizing education. In 21st century, technological advancements are rapidly disrupting industries with new trends evolving like self-driving cars; digital shopping; virtual worlds; life on mars. Envisioning how these disruptions will play out in our children's lives opens up a whole lot of new questions, and necessitates paradigm shifts in how we are thinking about education today. Our offering for Atal Tinkering Lab is based on creating an environment that promotes the participants to dream, the equipment allows them to tinker, the curriculum enables them to structure their thinking and the Innovation League allows them to challenge themselves. They offer equipments and solutions to setup the Atal Tinkering Labs as envisioned by NITI Aayog. www.http:--technoplanetlab.com.

1. **HyFn Games Pvt. Ltd.** The mission of HyFn games is to create games of science fiction genre. Besides the obvious entertainment that games provide, they also create the base for young people to learn. This learning happens automatically while playing the game. Their flagship product "SpaceTrap-3D" was launched on PlayStore in 2017. Besides game development, HyFn Games has also ventured into the field of Virtual Reality bagging projects like Campus Walkthroughs for various companies.They plan to work in the field of Artificial Intelligence and augument reality in upcoming future.
   Team: Rakesh Sethi, Yugank Rastogi, Mudra Rastogi, Vishang Jad, Adhiraj Mathur, Shaurya Singh.
   Stage: The Company is running smoothly having a good number of Projects in Hand.

2. **Parimukh Innovations Pvt. Ltd.** Team of engineers from various background and expertise took the problem of Air Pollution and other environmental problem to be tackled with engineering products. Our environment is in continuous havoc like situation and if we don't give our attention to this our future generation will be suffered, it's the time when technology has to be created and implemented to protect our city lives. Team Parimukh is catering this, with their knowledge and experience from different sector they have already developed and offering *PARIYAYANTRA* Air filtration system and working on different technologies as well.

3. **Tricho Agronica Pvt. Ltd. Tricho Agronica Pvt Ltd**, the Start-Up has received a grant of Rs 172 lacs under Indian Oil Startup Scheme (IOSUS), a "Start-up India" initiative announced by Prime Minister Shri Narendra Modi. The vision of the company is to provide Lab to Land- an eco-friendly approach. It aims to promote, develop and provide eco friendly products and technologies in safer, cost effective and sustainable manner. Keeping these perspectives in view the company has designed its first bio formulation product 'Bio elixir' which is a remedy for bull's eye pathogen at low cost. The synergistic effect of the bio elixir constituents has the capability to increase systemic resistance in plants. It is the bio fertilizer and a bio fungicide formulation. It is a non-chemical based formulation to reduce disease of tomato plant combining with features for enhancing soil structure and fertility, maintaining soil biological activities and promoting plant growth & biomass.

Total of twenty five (25) start-ups have been funded and are already in place under New Gen IEDC Funding Scheme. Fifteen (15) new start-ups have been shortlisted under this scheme for funding during AY 2019-20 in the following areas:

- Herbal Eating: Nutrifresh
- Mobile application for foreign patients seeking affordable medical treatment in India: Medical Travels
- Managing platform for musicians and clients: Jugal Beats
- Smart Parking Solutions: ParkIn
- Smart economical harvesters with specially designed trailers for farmers: Orchard India

- Home automation: Helix smart labs
- Smart and portable Bliss Board (braille board) for blind people to interact well with their smartphones and communicate well on social media handles: Bliss Board
- Nano material water treatment
- Mushroom Cultivation: Organic Farm Fresh
- Smart Dental Cleaning: Pinaca
- E-Commerce platform for small retailers: Vads Creation
- Game development: Lanista Gaming
- Mobile App for the Metro travellers: Travel gram
- Mobile Application for travellers: Metro masti
- Smart water sprinkler for domestic and commercial usage: Automated Water Sprinkler

7.9 Centres of Excellence (CEs)

Under the aegis of MRIIRS, following Centres of Excellence (CEs) are established in collaboration with reputed industries for enhancing the training & research skills of MR students:

1. **Mitsubishi Centre of Excellence** This efforts to provide high quality trained manpower to the industry, Manav Rachna has always believed in imparting qualitive education that is customized to suit industry's demands. In pursuance of this aim Mitsubishi Electric India (MEI) and MRIIRS have joined hands to establish Mitsubishi Factory Automation Lab. The Mitsubishi Factory Automation Lab, is a new addition in EEE department of FET and has been set up to provide training, seminars, demonstration to students / faculty of FET, MRIIRS with a view to develop their skills in automation technology. Mitsubishi Electric India Pvt Ltd, a company incorporated under Companies Act, 1956, Head Office at DLF Cybercity, Gurgaon has signed MOU with MRIIRS under its Corporate Social Responsibility (CSR) initiative for spreading awareness about automation amongst young Indian engineers & to contribute to the Indian market through its products & technologies. The Mitsubishi Factory Automation Lab comprises of IQR training setup (2 Nos.) and Fx PLC Kit. IQR training set up is a comprehensive unit including PLC CPU, GOT, Series inverter, servo amplifier, servo motor and XY plotter. Recently the lab facilities have been upgraded by inclusion of SCADA software sponsored by Mitsubishi. This set up is based on latest technology currently utilized by leading giants like Honda & Suzuki. In near future many more companies are likely to adopt the same technology. Our students are undergoing training on these kits and this enhances their employability prospects. The launch of this Lab marks a new chapter in Manav Rachna's endeavour to provide a natural synergy between academia and Industry and to provide a more practical orientation to the engineering education being imparted at the University.

Mitsubishi Cup - 2019 has been hoisted by Mitsubishi Centre of Excellence of Manav Rachna International Institute of Research and Studies, Faridabad.

2. **Automotive Training & Research Centre (Honda Motors)**

The Department of Automobile Engineering in association with Honda Motorcycle and Scooter India Private Limited (HMSI) has opened a centre for Automotive Training & Research. In this association, HMSI has provided technology support for setting up training and research infrastructure for students. This association has provided a platform to students of Mechanical, Automobile, Electronics & Electrical branches to take up research projects in emerging areas in association with HMSI. Research areas are focused on improving efficiency of engines, alternative sources of energy with improved design features of vehicle & its components. This Automotive Training & Research also offer short-term courses for two-wheeler technicians and high-end courses for executives of HMSI. The offered courses provide hands on training on servicing of two wheelers with their fault diagnosis and rectification. This also updates the frequently changing technological advancement in the auto sector of senior executives of HMSI and their associates. Till date 15 such programmes are conducted for different groups where in 250 students were imparted training. The Centre of Excellence not only aids enhance employability prospects of the students, but also impart skills for self-employment.

3. **Sports Science Centre (MR-SSC)** The vision of centre is to establish a flagship Centre of Excellence in India that will provide Sports Science and Rehabilitation facilities to support elite level athletes, in professional sport, at the international level, and grass root youth elite level with the primary goal of enhancing India's sporting performance and yield of Medals at the Commonwealth and Olympic level, the International World games and the Asian Games. MRSSC has a variety of expert health professionals and academicians. The team consisting of academics and applied sports rehabilitators, Physiotherapists, Sports Physiologists, Sports Nutritionists and Allied Health professionals aims to provide a wide variety of in-depth support and services to both high performance athletes as well as aspiring athletes who wish to improve their performance. We also provide lifestyle management, fitness training and health and well-being support for all individuals.
This Centre is equipped with top class facilities in terms of state-the-art equipment and it provides services related to Sports physiotherapy and rehabilitation, Sports Psychology, Physiology, Sports nutrition, Sports performance analysis, Biomechanical analysis, Personalized Training, Pilates, Zumba etc. Olympians including Ronjon Sodhi, Gagan Narang, name a few associated with CSSR. They work directly with ISSR team to ensure that our strategic plan is perfect for supporting both Olympic standard athletes & junior athletes as they develop from the grass root level.

To mention about few athletes who brought laurels and were trained by MRSSC:

- **Naveen Dagar (Athletic):** Qualified for Asian Games 2018 to be held in Jakarta by winning Gold in the Men's 3000m steeplechase during the 58th National Inter-State Athletics Championships.
- **Annu Raj Singh (Shooter):** Along with Heena Sidhu won the gold medal in Women's Pairs 10 metre air pistol at the 2010 Commonwealth Games. She also won Bronze medal in 10 m Air Pistol Individual event in 2017 Commonwealth Shooting Championship in Brisbane.
- **Sarthak Gandhi (Table Tennis):** Won Silver Medal in the men's singles event at the 2017 International Table Tennis Federation (ITTF) Challenge Seamaster Nigeria Open in Lagos.
- **Kush Chugh (Badminton):** Won Bronze in U-17 Doubles Badminton in Khelo India
- **Annie Jain (Swimmer):** Won Gold in Khelo India in 50m Breast Stroke; 100m Freestyle, 4x100m Medley Relay.
- **Rudra Krishna Singh (Archery):** Won Gold in 50 m sub junior category of Archery at 3rd National Inter State Sports Championships 2018-19.

4. Advanced Water Technology & Management Centre of Excellence
Currently, around half of all urban dwellers live in cities and almost 10 percent of urban dwellers live in mega-cities. As cities around the world experience this exploding growth, the need is to ensure these to expand sustainably, to operate efficiently and to maintain a high quality of life for residents, becomes even greater than it is today. This is where the concept of smart cities came into the picture. The term "smart cities" is trending amongst governments, urban planners and even the private sector to address the projected demands

of cities in the future. Making cities smarter to support growth is emerging as a key area of focus for governments and the private sector alike. Smart cities are about to make huge investments to uplift the infrastructure, economy, energy efficiency, and nevertheless environment. Smart cities encompass six important sectors that need to work in unison to achieve a common goal of making a city more livable, sustainable and efficient for its residents. These sectors are smart energy, smart integration, smart public services, smart mobility, smart buildings, and smart water. One of the most critical factors for the growth and sustenance of a smart city is its water system. The term "smart water" points to water and wastewater infrastructure that ensures this precious resource - and the energy used to transport it - is managed effectively. It is equally impertinent that we make our Earth and Water resources burden less and persistent. With this background, Centre for Advanced Water Technology & Management (CAWTM) has been setup at MR Campus which comprises Scientists, Technocrats, Professionals, Academicians, Members of RWAs, etc as Manav Rachna consortium.

- **Wash Innovative Lab (WIL):** The Centre has been allocated Wash Innovative Lab (WIL) supported by USAID involving a funding of Rs.20 Lacs to undertake various activities pertaining to Water, Sanitation and Hygiene Sector. For this tri-party agreement has been implemented with Municipal Corporation, Faridabad (MCF), National Institute of Urban Affairs (NIUA) and MRIIRS.

- **Cairn, Oil & Gas** is the largest private crude oil producer in India. It is vertical of Vedanta Limited, which has contributed ~ 27 percent to India's domestic crude oil production in FY 2017-18. It has engaged Centre for Advance Water Technology & Management, MRIIRS for consultancy services, as the centre has expertise and also has knowledge of CGWA compliances. This was through limited tendering process and the whole project is entitled as "Hydro Geological Survey for Aquifer Monitoring in Barmer Area, Rajasthan" with contract value of INR, 1,67,80,023/- (Rupees One Crore Sixty Seven Lakh Eight Thousand and Twenty Three only) inclusive of taxes.

- **Maruti Suzuki Foundation, Gurgaon:** The Centre has received another important consultancy from Maruti Suzuki Foundation, Gurgaon for improving water management prospects as knowledge partners, being 10 villages adopted by Maruti Suzuki India Limited covereage Manesar to start with village KHOH has been taken into consideration amongst the 10 villages adopted. The financial outlay for KHOH village is Rs. 6.40 lacs out of total project outlay of Rs.15 Crore.

Other research related milestones are:

- **Air Quality Monitoring Lab:** This Lab supported by DST, GoI is established at MRIIRS. The deteriorating air quality in an around Delhi - NCR is a matter of grave concern with contaminants in the atmosphere affecting people's health. To compare the air quality of indoor and outdoor air environment and to provide a good learning research environment to students, the 'Air Quality Monitoring Lab' has been set up at Manav Rachna Campus by Department of Civil Engineering, Faculty of Engineering and Technology (FET), MRIIRS to understand the aerosol chemistry in Delhi NCR region.

- **MRIIC -Annual Technical Events** Celebrating the spirit of innovation and research amongst the future leaders of tomorrow, INNOSKILL-an annual technical event offers a platform to the young tech-geeks to showcase their creativity and ingenuity in a bevy of riveting games and challenges. Venturing Out-of-Box and competing head to head in a bid to unfurl their passion and interests in aero-modeling, engineering, Lego race championships and more.

- **IBM Centre of Excellence** This centre has been created in the Campus in collaboration with IBM which is a well-known multinational conglomerate. It has worldwide business in Computer Hardware - Software, IT Services and IT Consulting. IBM has tied up with MRIIRS to jointly offer B.Tech-Computer Science & Engg. programs with specialization in Cloud Computing, Business Analytics & Optimization, IT Infrastructure Management and Cyber Security & Forensics. IBM shall provide LMS, Train the Teacher Programme, Student Projects, Expert Lectures, Industry connectivity for students and teachers to enable them to experience the live IT Environment. The arrangement helps students to acquire domain skills in the most advanced areas of IT and preferential placements by IT Companies. Students enrolled in this programme have access to an online Eco-system Platform namely Innovation Center for Open Standards enabling them to access course material, discussion forums, student projects, Industry mentors and news-clips.

IBM students enrolled in these programs undertake live projects developed by IBM- other IT majors under the mentorship of industry experts and go for industry visits in software development and testing centers. They also attend one week extensive training program at Bangalore in IBM facilities of their own cost in which hands on training shall be provided by IBM and other IT company experts. IBM also issue certificates for various modules after successful completion in addition to the MRIIRS degree. The Programs in association with IBM lead to big increase in job opportunities and industry readiness for the students. This centre helps in extending ongoing effort to expand and strengthen student skills and understanding of big data and analytics in order to meet the growing demand for highly skilled analytics workers.

CHAPTER 8

STUDENTS ACHIEVEMENTS AND ACTIVITIES

8.1 Examination Result

The University has adopted semester-based study programmes and credit system of evaluation for examination of all courses. The Programme wise result of final semester held in May 2019 are tabulated below:

Programme	No. of Final Year Students Appeared for ESE	No. of students Passed ESE	**Pass Percentage**
B.Sc.(N&D)	55	49	89.09
BPT	76	71	93.42
MND	41	37	90.24
MPT	24	23	95.83
B.Sc (IT)	22	18	81.82
MCA	33	31	93.94
BCA	101	88	87.13
BBA (BANKING)	36	26	72.22
B.COM (H)	78	68	87.18
B.COM (H) I.I.	36	31	86.11
BBA (G)	84	60	71.43
BBA (G) IB	40	22	55.00
M. Com	9	9	100.00
B.TECH (AE)	2	0	0.00
B.TECH (AU)	16	14	87.50
B.TECH (BT)	59	57	96.61
B.TECH (CIVIL)	62	45	72.58
B.TECH (CSE)	135	119	88.15
B.TECH (CSE) (BAO)	28	23	82.14
B.TECH (CSE) (CC)	113	91	80.53
B.TECH (CSE) (CSF)	57	50	87.72
B.TECH (CSE) (GG)	16	11	68.75
B.TECH (ECE)	42	41	97.62
B.TECH (EEE)	8	6	75.00
B.TECH (EEE) ES	15	14	93.33
B.TECH (MECH)	91	74	81.32
B.TECH (MECH) (I.I.)	22	21	95.45

M.TECH (BT)	4	4	100.00
M.TECH (VLSI)	1	1	100.00
M.TECH (PSED)	2	2	100.00
M.TECH (CE) (CN)	2	0	0.00
M.TECH (STRU ENGG)	6	6	100.00
M.TECH (Cons. Mgmt.)	5	4	80.00
M.TECH (TE)	2	2	100.00
M.Sc (BT)	17	15	88.24
BA (JMC)	51	40	78.43
MA (JMC)	10	9	90.00
BA (ENG)	34	33	97.06
MA (ENG)	7	6	85.71
PGD (APR)	3	3	100.00
B.Sc. (HHA)	36	13	36.11
MBA	98	95	96.94
BA (PSY)	27	22	81.48
MA (PSY)	16	14	87.50
BA (ECO)	13	11	84.62
MSW	1	1	100.00
B Sc. (ID)	32	24	75.00
B. Arch	22	18	81.82

8.2 Placements

Corporate Resource Centre at University engages with corporate and enables the students to fulfill their dreams of getting a job offer through Campus placements. The centre offers excellent infrastructure supports at every stage of the placement processes, down from arranging pre-placement talks, written test, group discussion, interviews etc. CRC manages ongoing relationships with leading corporates to provide guidance on latest trends, and employment and training opportunities by initiating Industrial visits, Industrial training & corporate lectures etc. It engages with the industry and constantly strives for expanding the industry-academia interface. The team plays an important role in shaping the careers of the students, down from their induction and orientation to the Campus for initiating summer internships, mid-term projects, etc. and guiding them till their final placements and even after that.

In addition, team keeps abreast with the needs of the job market during its interaction with the industries and provide valuable input to the teaching faculty regarding the market relevant skills, to equip our students with market ready skills to help to retrieve more employment opportunity. In an effort to streamline the placement process, an 'Online Registration Portal' for Campus placement is used. All the students of final year who are interested for placement have to register on portal. It helps in identifying the eligible students for a particular Campus drive based on the criteria provided by recruiting company.

Some of the eminent recruiters including TCS, Accenture, IBM, HCL Technologies, NIIT Technologies, Infogain, Sony India, Monark, Sterling tools, Yamaha Motor Solutions, Samsung, Quovantis, Amazon, Adobe, British Telecom, CINDA, Deloitte, Convergys, SSP, ederal Mogul, Krishna Maruti, HP, Indogo, JBM, Rothenberger, Naukri.com, PNB Housing and the likes

Details of Department wise - Placements for the Acadeic Year 2019-20, tabulated below:

1. Department of Management Studies:

S.No	Company Name	MBA	Campus type
1	Acxiom Consulting	1	In Campus (FET)
2	Aries Petro India Traders	1	Self Placed
3	AR mature construction Pvt Ltd	1	Self Placed
4	ASPN infratect Pvt Ltd	2	Self Placed
5	Befikr.in	6	Off Campus
6	Bharti Airtel	1	In Campus
7	Blue Jay Finlease Limited (ZipLoan)	1	Self Placed
8	Concorde	1	Self Placed
9	Crowe Horwath IT Services LLP	1	In Campus
10	Cyber Media	1	Off Campus
11	DNJ INFOTECH	1	Self Placed
12	Durga Auto Product	1	Self Placed
13	ENSO LOGIC COMMERCE	1	Self Placed

14	Entab Infotech Pvt. Ltd	1	Self Placed
15	Expert Lancing	1	In Campus
16	Extramarks Education India Pvt. Ltd.	2	In Campus
17	Franchise India Holdings Ltd.	1	Off Campus
18	Globiva Services Pvt Ltd	1	Self Placed
19	Hike Education	2	Self Placed
20	Hindustan Recruiters	8	In Campus (FET)
21	J.L. GUPTA & CO.	1	Self Placed
22	JARO EDUCATION	4	In Campus
23	JINDAL TRANSPORT SERVICE	1	Self Placed
24	LEONITE LABS	5	Self Placed
25	Lido Learning	1	In Campus
26	My Operator	1	In Campus
27	OASIS RESOURCE MANAGEMENT PVT LTD	1	Self Placed
28	OSM Projects Pvt. Ltd	1	In Campus (FET)
29	OYSTER INDIA MEDICAL TOURISM	1	Self Placed
30	Religare Health	1	Off Campus
31	Research Panel Investment Advisers	2	In Campus (FET)
32	RG STONE HOSPITAL'S	1	Self Placed
33	SAI SHREEJA CARS PVT LTD	1	Self Placed
34	Sarvodaya Hospital	2	Self Placed
35	Shivam Print Pack	1	Self Placed
36	SPEFL-SC	1	Self Placed
37	TalForce Services Pvt. Ltd	1	Self Placed
38	TARA INSTITUTE	1	Self Placed
39	TENALI HOSPITALITY	1	Self Placed
40	Think & Learn (Byju's)	3	Self Placed
41	To The New	2	In Campus
42	TradeIndia	4	Self Placed
43	Varite	2	In Campus (FET)
44	Vishal Gupta and associates	1	Self Placed
45	Workalongg business solutions	1	Self Placed
Grand Total		**76**	

2. Faculty of Allied Sciences:

S.No	Company Name	Grand Total	Campus type
1	Action Medical Institute	1	Self Placed
2	ACTIVE CARE AND REHABILITATION CLINIC	1	Self Placed
3	Apollo Hospital	1	Self Placed
4	Aurogreen Health Pvt Ltd	1	Self Placed
5	Ayaksham Physiotherapy Clinic	1	Self Placed
6	BL Kapur Memorial Hospital	1	Self Placed
7	CARE FOR U WELLNESS CENTRE G.K. DELHI	1	Self Placed
8	CK Birla Hospital	1	Self Placed

9	DELHI ORTHO AND SPINE CLINIC, RAJOURI GARDEN	1	Self Placed
10	Fortis Escorts Hospital	1	Self Placed
11	GET WELL MEDICENTRE FARIDABAD	1	Self Placed
12	HCL Healthcare	1	Self Placed
13	Healthians	10	Self Placed
14	HealthifyMe	1	Self Placed
15	IBS Hospitals	1	Self Placed
16	iEnergizer	1	Self Placed
17	IndusInd Bank	1	Self Placed
18	Lybrate	1	Self Placed
19	Max Healthcare	1	Self Placed
20	MAX Hospital	1	Self Placed
21	Mom's belief	4	Self Placed
22	MomKidCare	1	Self Placed
23	MRIIRS	2	Self Placed
24	MRSSC	1	Self Placed
25	Newage Rehabilitation	1	Self Placed
26	Optum	2	Self Placed
27	Optum (United Health Group)	5	Self Placed
28	OrthoCure	2	In Campus
29	Ozone India	1	Self Placed
30	Qi Spine	5	In Campus
31	Sarvodaya Hospital	1	Self Placed
32	Spring Midos Hospital	1	Self Placed
33	Teerthanker Mahaveer Univeristy	1	Self Placed
34	Vedic Hospital	1	Self Placed
35	Yash Physiotherapy and Sports Injury Clinic	1	Self Placed
	Higher Studies	44	Self Placed
	Entrepreneurship	2	
Grand Total		**104**	

3. Faculty of Computer Applications:

S.No	Company Name	Grand Total	Campus type
1	F13.Tech	1	In Campus
2	Aglasem EduTech Pvt. Ltd	1	In Campus
3	Amazon	2	In Campus
4	Arachnomesh Technologies Pvt. Ltd.	1	Self Placed
5	Authbridge	1	Self Placed
6	Bharti Airtel	2	In Campus
7	BluOne	1	Self Placed
8	Collabera	3	In Campus
9	Deloitte	1	Off Campus

10	Franciscan Solutions Pvt. Ltd	1	Self Placed
11	Global Logic	5	Self Placed
12	HCL Techologies	1	Off Campus
13	I-Energizer	1	Self Placed
14	Isourse Technologies pvt ltd	1	Self Placed
15	Lido Learning	1	In Campus
16	Mynd Integrated Solutions	1	Self Placed
17	Nityo Infotech Services	1	Self Placed
18	Research Panel Investment Advisers	8	In Campus
19	Sage Group	1	In Campus
20	Solicon	5	Self Placed
21	Sourcing Valley	1	In Campus
22	Stratemis HR Technologies Pvt. Ltd.	1	Self Placed
23	TCS	6	In Campus
24	Tech Blue	1	In Campus
25	Tech Mahindra	2	In Campus
26	Times Internet	1	Self Placed
27	Varite	1	In Campus
28	VRA Logical Analyst	1	Self Placed
	Higher Studies	36	
	Entrepreneurship	1	
	Grand Total	**53**	

4. Faculty of Engineering and Technology:

S.No	Company Name	Grand Total	Campus type
1	3 Pillar Global	6	In Campus
2	Absolute Entertainment	1	Self Placed
3	Adecco India Pvt. Ltd	1	Self Placed
4	AIIMS, New Delhi	1	Self Placed
5	Air Force	1	Self Placed
6	Alankit Limited	1	Self Placed
7	AM ESI LLP	1	Self Placed
8	Amazon	11	In Campus
9	Amol Pharmaceuticals	1	Self Placed
10	Anacap Global	1	Self Placed
11	Ankita Enterprises	1	Off Campus
12	Appinventiv Technologies pvt Ltd	1	Self Placed
13	Applied Information Systems	1	Self Placed
14	AppNexus Technology	1	Self Placed
15	Aroma Engineering	1	In Campus
16	AskIITians	1	Self Placed
17	Asset Yogi	1	Self Placed

18	Astute Outsourcing Services	1	Self Placed
19	Axiva	1	Self Placed
20	Bandhan Bank	1	Self Placed
21	Bharti Airtel	8	In Campus
22	Binario Technologies Pvt. Ltd	2	In Campus
23	Blump Tech Pvt Ltd	1	Self Placed
24	Bristlecone(A Mahindra Group)	7	In Campus
25	CA ON Web Pvt Ltd	1	Self Placed
26	Caeli Innovations	3	Self Placed
27	Canal Valley Public School	1	Self Placed
28	Capgemini	4	off Campus
29	Cardiomac India Pvt Ltd	1	Self Placed
30	Cavisson Systems	7	In Campus
31	CheckDNA	1	Self Placed
32	Cloud Analogy	1	Off Campus
33	Cognizant	1	Off Campus
34	Collabera	16	In Campus
35	Concentrix	1	Self Placed
36	Contata Solutions	1	In Campus
37	Counsel India	1	Self Placed
38	Craterzone Pvt. Ltd	1	In Campus
39	Crowe Horwath IT Services LLP	2	In Campus
40	Cryoviva Biotech	1	Self Placed
41	Cubical Labs	2	In Campus
42	CXC Infotech	2	In Campus
43	Damco Solutions	5	In Campus
44	Deloitte	1	Off Campus
45	DNJ Infotech LLC	2	Self Placed
46	Durga Gears	1	Self Placed
47	Ecogas Impex Pvt. Ltd.	1	Self Placed
48	Embee Software	1	Off Campus
49	Ernst & Young	2	Self Placed
50	Escorts Kubota	1	Self Placed
51	EX Squared Solutions India Pvt Ltd	1	In Campus
52	Expert Lancing	8	In Campus
53	Extramarks Education India Pvt. Ltd.	1	In Campus
54	Extrieve Technologies Pvt Ltd	1	Self Placed
55	EYGBS India Pvt Ltd	3	off Campus
56	Ezetfs Solutions Pvt Ltd	1	Self Placed
57	F13.Tech	4	In Campus
58	FebTech Industries	1	Self Placed
59	Fidelis	1	Self Placed
60	Fidelity International	1	Self Placed
61	Flowserve India Controls Pvt Ltd	1	Self Placed
62	Future Generali	1	In Campus

63	Gateway Group	1	In Campus
64	Genes2Me	2	Self Placed
65	Genpact	2	Self Placed
66	GIIT Solutions	1	Self Placed
67	Ginger Monkey	1	Self Placed
68	Greatwits Services Pvt. Ltd.	1	Self Placed
69	Guardian Life Insurance Company of America	10	In Campus
70	Hallmark Global Technologies	1	Self Placed
71	Hand Trade Global	1	Self Placed
72	Harman Connected Services	1	Off Campus
73	HCL Technologies	4	Off Campus
74	HelixSmart Labs	1	Self Placed
75	Hike Education	1	Self Placed
76	Hiveloop Logistics	1	Self Placed
77	HSBC Technology India	1	In Campus
78	iAugmentor Labs (P) Ltd.	3	Off Campus
79	IBI Group	1	In Campus
80	IBM	8	In Campus
81	IDS Infotech	6	Self Placed
82	Ienergizer	1	Self Placed
83	IFB Industries Limited	1	Self Placed
84	IndiaMart Intermesh Ltd	1	Self Placed
85	Indigo	2	Off Campus
86	Indo Auto Tech ltd.	1	Self Placed
87	indxx.com	1	Self Placed
88	Infogain	9	In Campus
89	Infoity	1	Self Placed
90	Intellect Partners	3	In Campus
91	iPRIMED Education	1	Self Placed
92	Jaro Group	2	In Campus
93	Jay Ushin Limited	1	Self Placed
94	JBM	23	In Campus
95	Jinigram	2	In Campus
96	K.M.Publications	2	Self Placed
97	KMG IT Services	2	Self Placed
98	Kriti Hospital	2	Self Placed
99	Lab Technologies	1	Self Placed
100	Leonite Labs	1	Self Placed
101	Lido Learning	10	In Campus
102	Lido Learning	1	In Campus
103	Maruti Suzuki	1	Self Placed
104	Maruti Suzuki India Ltd	1	Self Placed
105	Masstige Solutions Pvt Ltd.	1	Self Placed
106	MATRIX PUBLICITIES & MEDIA INDIA PVT. LTD.	1	Self Placed
107	Maven Wave	2	In Campus

108	Metal Joints Pvt Lltd	1	Self Placed
109	MothersonSumi INfotech & Designs Limited	2	Off Campus
110	MotoBeans Productions Pvt. Ltd.	1	Self Placed
111	My Operator	2	In Campus
112	NextGen	1	Self Placed
113	NIIT Ltd	1	Self Placed
114	NIIT Technologies	15	In Campus
115	NW Overseas	9	In Campus
116	O.K. Auto Components Pvt Ltd	1	Self Placed
117	O.P Bhalla Foundation	1	Self Placed
118	Omics International	6	In Campus
119	Omnipresent Robot Tech	1	Self Placed
120	Optra Automation Pvt. Ltd	2	In Campus
121	OSM Projects Pvt. Ltd	1	In Campus
122	OYO	1	Self Placed
123	Paragon Ceramics	1	Self Placed
124	Parewalabs	1	Self Placed
125	PES Electrical Pvt Ltd	1	Self Placed
126	Phable(Terrals Technologies Pvt. Ltd)	4	In Campus
127	Poly Medicure Ltd	1	In Campus
128	Pristino Events	4	Self Placed
129	Programic Asia Pvt Ltd	1	Self Placed
130	QuikieApps Technologies	1	Self Placed
131	Quovantis Technologies	2	In Campus
132	R. K. Engineering Works	2	Self Placed
133	Regional Centre for Biotechnology	1	Self Placed
134	Sage Group	1	In Campus
135	SAL Automotive Limited	1	Self Placed
136	Sandoz Restaurants Pvt Ltd	1	Self Placed
137	SHASHANK ENGINEERING WORKS	1	Self Placed
138	ShepHertz Technologies Pvt.Ltd.	1	Self Placed
139	Shivalic Power Control Pvt. Ltd	5	In Campus
140	Shopclues network Pvt Ltd.	1	Self Placed
141	Sidereal Technologies	1	Self Placed
142	Skyline Airconditioning Engg	1	Self Placed
143	SM CREATIVE ELECTRONICS LIMITED	1	Self Placed
144	Sonalika International Tractors	1	In Campus
145	Sourcing Valley	8	In Campus
146	SPL Industries Ltd.	1	Self Placed
147	SPNN Business Services Pvt Ltd	1	Self Placed
148	SRC Textile	1	Self Placed
149	Staqo World pvt ltd	1	Self Placed
150	Sterling Tools	1	Self Placed
151	Tackyon MotorSports Pvt. Ltd.	1	Self Placed
152	Targus Technologies	1	Self Placed

153	TCS	24	In Campus
154	TCZ Consulting LLP	2	Self Placed
155	Team Lease	1	Self Placed
156	Tech Blue	7	In Campus
157	Tech Mahindra	8	In Campus
158	TechChefz	1	Self Placed
159	Techoon Software	1	Self Placed
160	Teleperformance	1	Self Placed
161	The Singareni Collieries company, Govt	1	Self Placed
162	Think & Learn (Byju's)	3	Self Placed
163	Tianyin Worldtech India Pvt. ltd	5	In Campus
164	Transmilo Trucking Solutions Pvt. Ltd.	1	Self Placed
165	Transweb Educational Services Pvt. Ltd	3	Off Campus
166	Travelboots Pvt. Ltd	4	Self Placed
167	Trident Information System Pvt Ltd	1	Self Placed
168	Varite	4	In Campus
169	Vedantu	1	Self Placed
170	Volvo Eicher Commercial Vehicles	1	Off Campus
171	Wioska Moldings Pvt. ltd	5	In Campus
172	Wipro Ltd	1	Off Campus
173	Xansar technologies	1	Self Placed
174	Yamaha Motor Solutions India Pvt. Ltd.	1	Off Campus
175	Yatinet	1	Self Placed
176	Zimozi Solutions	1	In Campus
177	Zyla Health	1	Off Campus
	Higher study	40	
	Entrepreneurship	31	
Grand Total		**504**	

5. Faculty of Media and Humanities:

S.No	Company Name	Grand Total	Campus type
1	Amar Ujala	1	Self Placed
2	Amazon	1	In Campus
3	Aon Consulting	1	Self Placed
4	Asma Traexim Private Limited	1	Self Placed
5	Clarity Communication	1	Self Placed
6	Concetrix	1	Self Placed
7	EigoPaathshala	1	Off Campus
8	Faces Cosmetics Pvt Ltd	1	Self Placed
9	Freelancer Social Media Executive	1	Self Placed
10	Greenroom Creative (Ombre Media Pvt Ltd)	1	Self Placed
11	iAugmentor Labs (P) Ltd.	2	Off Campus
12	KpopshopIndia	1	Self Placed
13	MD Niche Media Consultants	1	Self Placed

14	Pruoo Health Tech Private Limited	1	Self Placed
15	Teams online	1	Self Placed
	Highe studies	16	
	Entrepreneurship	1	
Grand Total		**33**	

6. Faculty of Commerce and Business Studies:

S.No	Company name	Grand Total	Campus type
1	Aston Carter	1	Self Placed
2	Benepik	1	Self Placed
3	Fab Impressions	1	Self Placed
4	Health Turtle	1	Self Placed
5	Height Events	1	Self Placed
6	IDFC Bank	1	Off Campus
7	Marris Disha	1	Self Placed
8	Mercedes Benz	1	Self Placed
9	Quality Councial of India (Management trainee)	1	Self Placed
10	Seekruit	1	Self Placed
11	Urban Company	1	Self Placed
	Higher studies	44	
	Grand Total	**55**	

7. Faculty of Behavioral & Social Science (FBSS)

S.No	Company name	Grand Total	Campus type
1	Bohra Neuro Psychiatric	1	Self Placed
2	Cashkaro.com	1	Self Placed
3	Holistic Health Centre	1	Self Placed
4	Mitron TV Pvt Ltd	1	Self Placed
5	Team Lease Services	1	Self Placed
6	The INCLEN Trust International	2	Off Campus
7	WhiteHat Jr	1	Self Placed
	Higher studies	14	
Grand Total		22	

8. Faculty of Architecture and Design

S.No	Company Name	Grand Total	Campus type
1	ADP Building Consultancy Private Limited	1	Self Placed
2	Akwatra Tradex Pvt Ltd	1	Self Placed
3	Arch Dream India	2	Self Placed
4	Archin Design	1	Self Placed
5	Artec INC	1	Self Placed
6	Blinx India (P) Ltd	1	Self Placed
7	One Digital	1	Self Placed
8	Rajiv Goyal Design	1	Self Placed
9	Reign O' Space	1	Self Placed
10	SJA Consultants	2	Self Placed
11	SRB Promoters Pvt Ltd	1	Self Placed
12	The Spaces- Interior and Architecture	1	Self Placed
13	Viroka Luce	1	Self Placed
	Higher studies	5	
	Entrepreneurship	1	
Grand Total		**21**	

9. Faculty of Hotel Management

S.No	Company Name	HM	Campus type
1	Ajman Hotel (UAE)	1	Self Placed
2	Millennium Place (UAE)	1	Self Placed
3	Ministry Of Manpower	1	Self Placed
4	Park Plaza	1	Self Placed
5	Radission Blu	1	Self Placed
6	Reach Promoters Pvt ltd	1	Self Placed
7	Satylboom	1	Self Placed
8	Slay Everyday	1	Self Placed
9	Team Lease	1	Self Placed
10	The Leela	1	Self Placed
11	Westin Hotels	1	Self Placed
12	Zero Gravity Hotel (UAE)	1	Self Placed
Grand Total		12	

8.3 Extra - Co –Curricular Activities

Manav Rachna Educational Institutions lay special emphasis on extra-Co Curricular Activities which is taken care by Students Welfare. It's a student care and supervision center that serves as a liaison between students and administration. Students Welfare closely works with students across all years to provide leadership, social, extracurricular & academic counseling programmes. It endeavors to develop the personality of the student in all spheres of life which it undertakes through various student- oriented programmes. It believes that given an opportunity, it will bring out the hidden talent of the students. It aims at promoting extra - curricular and developmental activities among students by identifying talented and interested students in the areas of Music, Dance, Literature, Fashion, Arts, Social Responsibility, Theatre, Photography, Health etc. and thereafter, nurturing their individual talent and giving them a supportive environment to plan and execute various activities in the said areas, thus making a major contribution towards their holistic development.

Students Welfare also work very closely with Accredited Bodies like AICTE and UGC for the programmes like Unnat Bharat Abhiyan, Ek Bharat Shrestha Bharat, Swacch Bharat Abhiyan Swachatta Pakhwada, FIT India Movement and many social initiatives like Anti ragging seminars, Human Rights Road Safety week and many more .It also shoulder responsibility towards society by active participation, awareness and creating mass movement for various social issues in association with National Service Scheme, Red Cross, Paryavaran Sanrakshan Gatividhi as well as very closely work with SPIC MACAY Manav Rachna Chapter - a Society for the Promotion of Indian Classical Music and Cultural amongst Youth.

As a part of co-curricular activity Students Welfare shares the responsibility of educational tours organized by various teaching departments. A large number of workshops and courses like, Youth Leadership Training Camps, Value-based Spiritual Course, Personality Development Camp, Youth Parliament, Students Talent Hunt, Documentary, Literary, Photography, Festivals celebration, Treasure Hunt, Talent Competitions for Faculty and Staff, Film and Book reviews, Debates and Declamations, Folk Dance competitions, etc. are organized. Annual Cultural Fest Resurrection consisting of many events of Music, Dance, Theatre, Literary, Fine Arts and Fashion is also organized during an academic session which aims in promoting rich culture and heritage of the country based on different folk dance and singing competitions of different states.
For students, it is a great way to understand the rich heritage of India and learn about the importance of various festivals. Along with enthusiasm and fun for the activities, qualities like sensitivity, creativity and togetherness are also inculcated in the student which truly enhances the joy and happiness of celebrating festivals.

Social Responsibility drives, Anti ragging seminars, Road Safety week, Street Plays, photography competitions, workshops and National Festivals like Independence Day, Republic Day are celebrated with patriotic fervor, year after year. A Techno- Management Fest, especially designed for the students of Engineering, Management and other technical Institutions, is also organized in association with various faculties of the University.

National Festivals like Independence Day, Republic Day are celebrated with patriotic fervor, year after year to promote ethics and values amongst students and faculty members. Celebrating festivals has become an integral part of learning and building a strong cultural belief. Other National festivals like Lohri, Holi , Baisakshi , Dusshera, Diwali, Navratri, Christmas Day, Teachers Day, Ekta Diwas, *Matrabhasha Diwas*, International Yoga Day, International Women's Day are celebrated with full zeal and enthusiasm which ties all students and faculty members from almost every religion, caste and community together. Celebrating these National and International Festivals brings together students and also provides an opportunity to learn more about different culture with many reasons to rejoice. Students get to learn about different festivals, the reason for the celebration and its significance. It not only provides an opportunity for students to respect but also provides them an opportunity to participate in events that are not their own. Participating in these festivals ensures that students get to showcase their talent and are exposed to the essence of festivals in various ways through street play, folk dance, poetry, declamation, singing, group discussions, fashion etc which promotes harmony among different sections of students, bridging the linguistic and regional barriers. This aims at promoting extra-curricular and developmental activities among students by identifying their talented and nurturing their individual talent and giving them a supportive environment to plan and execute various activities and thus making a major contribution towards their holistic development.

VARIOUS SOCIETIES / GROUPS

At Manav Rachna, students are spoilt for choice as there are as many as 9 Extra Curricular Groups that cater to varying interests. "Each of these groups provides students a platform to showcase their talents and channelize their energies. They also foster a sense of fellowship among students of different streams and give them a great sense of cohesiveness and belonging," Each of the groups provides students a conducive environment to plan and execute various activities, thus contributing to their holistic development and staying connected with members of similar interests. Here, we give you a look into their form & character:

Music Group "MRIDANG"- This group covers activities like solo, duet and group singing, jugalbandi, battle of bands, folk music, sufi, classical, Western music, instrumentals, parody etc. Students can also look forward to jamming sessions and music festivals.

Dance Group "MRIDAKSH"- This group has woven in solo and duet dance performances, group dance, Western dance (salsa, jazz, street etc.), traditional and folk dance competitions- festivals in its repertoire.

Literary Forum- This forum involves activities like debate and declamation, MUN, youth parliament, quiz and GK, poetry, article writing, book reviews, film reviews, literary festivals, TV anchoring and news reporting, panel discussions, storytelling competitions. There is enough to keep members busy.

Fine Arts Group "AAREKH"- This group brings out the artist in every student encouraging them to indulge in sketching, painting, clay modeling, pottery, cartoon and caricature making, tattooing, sculpture and rangoli. The Club plays an active role in the festival of arts, origami, etc.

Manav Rachna NSS Team- This team nurtures the activist in every student whereby they can take up ca uses like anti ragging awareness, environment, health and hygiene, sustainable

development, education for all, computers for all, language enhancement for housewives etc.

Theatrical Group "PAIGAM" - This group covers activities like nukkad nataks, drama, skits, standup comedy, mono acting, mimicry etc.

Fashionistas "AAIRA"- As the name signifies, this group is all about glamour and beauty, focusing its activities on hairstyling, beauty contests, ramp walks, best dress, crazy caps, fashion shows, display- tableau competitions, fancy dress, character display (based on an era, writings), etc.

Photography Group "BROWNIE"- This cluster pampers students' passion for photography, film making, video graphy and photo walks. Workshops by canon, theme based photography and exhibitions are also a regular feature.

MANAV RACHNA LIFE SKILL PROGRAMME (MRLSP)

To initiate and propagate the spirit of camaraderie and to provide a rich nurturing ground for honoring the life skills of students, Manav Rachna has introduced the concept of a close-knit family, that of a CLAN. Striving for achieving the common goal at MRIIRS, students are assigned to different Clans, irrespective of their belonging to any department or their infrastructural habitation in the University. There are 4 Clans, each represented by an environmental element and a mascot - The Air Falcons, The Water Sharks, The Forest Rhinos and The Wild Cats. There are five categories of activities to be looked after under every clan- Sports, Media, Literary, Cultural and ISR- Community Services.

THE ROLE OF THE CLANS- At the core, the Clan's role is to create more fervent connections at Manav Rachna, as well as to:

1. Facilitate an environment for students which promote academic excellence and improve personal development keeping the fun factor alive.
2. To promote friendship & respect amongst pupils.
3. To empower students and educator groups wherein they can collaborate in aiding the development of real-life skills.
4. To create a sense of responsibility, loyalty and tolerance towards seniors, peers and the parent institution.
5. To be able to harness the talent; the ability to arrive at consensus of views and the ideas coming from a larger number of students.
6. And finally, to create healthy competition. Manav Rachna has created a strong organizational structure for implementation of Manav Rachna Life Skills Programme (MRLSP) to ensure that this initiative is seriously conceptualized, driven and effectively executed across the University.

Details of major events during the Academic Year 2019-20 tabulated below:

S.No	Event	Date
1	Clan Introduction and Treasure Hunt under Induction Program- FET	11-07-2019
2	Clan Introduction and Treasure Hunt under Induction -NON FET	15-07-2019
3	Zumba Session- FET	17-07-2019
4	Music- Theater Audition - Non FET	18-07-2019
5	Fashion- Dance Audition - Non FET	19-07-2019
6	Dance- Theater Audition- FET	22-07-2019
7	Zumba Session- NON FET	23-07-2019
8	Fashion-Music Audition – FET	23-07-2019
9	Clan Introduction under Induction Program - MBA	19-07-2019
10	MR – FRESH FACE	26-07-2019
11	Independence Day Celebration- "Azadi 73"	13-08-2019
12	Chinese Delegation- Cultural Exchange Program	23-08-2019
13	Teachers Day Celebration	5-9-2019
14	SVEEP Program	11-9-2019
15	Activities under Swachta Abhiyaan 2020 by MHRD	21-9-2019
16	Village Visit for OFD- MHRD	25-09-2019
17	FBB- Campus Princess	28-9-2019
18	Vishbandu Diwas in association with Vivekananda Rock Memorial	4-10-2019
19	Resurrection- Annual Cultural Fest	7-11-2019 to 8-11-2019
20	Waste Management Roundtable Conference by MHRD	15-10-2019
21	Observance of National Unity Day	31-10-2019
22	MASH Project- "Orange the World: Generation Equality Stands Against Rape!	29-11-2019
23	Zumba- Bangra- Aerobics Class for Faculty	16-12-2019 to 28-12-2019
24	Christmas Celebration	24-12-2019
25	Workshop on "Latest Technique in Designing" in association with HP	08-01-2020
26	Lohri Celebration	13-01-2020
27	Observance of Swacchta Pakhwada	16-01-2020 to 31-01-2020
28	Swachh Action 2020- Visit to Village Mohna and Panehra Khurd by Dr.Shartughan Bhardwaj- Senior Faculty, MHRD	17-01-2020
29	Observance of National Voters Day	24-01-2020
30	Republic Day Celebration	26-01-2020
31	Cultural Evening at International Conference on Environment	31-01-2020

32	Grooming Session " Personality Enchancement"in association with Gillette	31-01-2020
33	Expert Lecture on Entrepreneurship Mindset at Faculty of Allied Health Science	05-02-2020
34	Workshop on My City My Pride- Smart City Project	07-02-2020
35	HT- Debate 2020- Delhi- NCR's Biggest Debate Competition	11-02-2020
36	Matarbasha Diwas	21-02-2020
37	Special Prayer Meet for Corona virus affected China- "Stay Strong China, We Are With You"	24-02-2020
38	Awareness Programs During COVID-19 in association with Red Cross Society, NSS and other government organisations	28-03-2020 to 31-12-2020
39	Breathe it Out, Monologue Event	20-04-2020 to 03-05-2020
40	QUARANTINE-O-ART: Online Art Competition	15-04-2020 to 20-04-2020
41	Debate- It Out: Finale	22-04-2020
42	International Yoga Day	15-06-2020 to 21-06-2020
43	Initiative to conserve rain water- Catch the Rain	30-06-2020
44	Awareness to protect mother earth	01-07-2020
45	Virtual Open Mic	04-07-2020
46	Observance of Guru Purnima	05-07-2020
47	Shandaar Shanivaar	25-07-2020
48	Online celebartion of Eid Mubarak	01-08-2020
49	Online celebartion Raksha Bandhan	03-08-2020
50	Acrylic Painting Workshop	09-08-2020
51	Celebration of Janamashtmi	12-08-2020
52	Celebration of Independence Day: "74th Azaadi"	15-08-2020
53	Plantation Drive under One Nation Paryavaran Sanrakshan Gatividhi	15-08-2020
54	Online Celebration of Ganesh Chaturthi	22-08-2020
55	Portrait Competition	11-08-2020
56	Observance of Onam	31-08-2020
57	Observance of National Nutrition Week	02-09-2020
58	Teachers Day Celebration	05-09-2020
59	Observance of International Peace Day	21-09-2020
60	Micro Training Session on Traffic Distancing- " Doori Hai Zaroori"	26-09-2020
61	Observance of Gandhi Jayanti	02-10-2020
62	Events under Fit India Freedom Run	15-08-2020
63	Observance of Indian Air Force Day	08-10-2020
64	Observance of World Student Day	15-10-2020

65	Community Awareness at Gurugram - Encouraging People for Plasma Donation	17-10-2020
66	Orientation Program for SPICMACAY-MANAV RACHNA FARIDABAD CHAPTER	25-10-2020
67	Observance of Diwali	14-11-2020
68	Observance of Samvidhan Diwas	26-11-2020
69	Observance of Indian Armed Forces Flag Day	07-12-2020
70	Christmas Celebration "Jingle Ball"	24-12-2020

Capacity development and skills enhancement initiatives / activities organised by department: 2019-20

Name of the capacity development and skills enhancement schemes	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies / consultants involved with contact details (if any)
Yoga Adhyaya	02-12-2019	30	Dr. Pooja Khurana Clan Chief, Water Sharks 9818161377
Workshop on One Week Celebration of World Environment Day	28-05-2020	20	Dr. Sonia Duggal Clan Chief, Air Falcons 8527821340
Workshop on Two weeks Yoga Training Program"	09-04-2020	20	Mr. Shishir Nigam Clan Chief, Water Sharks 9999261244
Workshop on One Week Awareness Program on Road Safety: Duty, Rights & Responsibility	12-02-2020	15	Dr. Sonia Duggal Clan Chief, Air Falcons 8527821340
Two Month -Mega Donation Progarm	02-12-2019	25	Mr. Shishir Nigam Clan Chief, Water Sharks 9999261244
Talk To Me: De-Stress Yourself	18-11-2019	25	Dr. Sonia Duggal Clan Chief, Air Falcons 8527821340
Technical Workshop on Vehicle Maintenance and Management	09-10-2019	25	Dr. Sonia Duggal Clan Chief, Air Falcons 8527821340
Awareness Program on Environment Sensitization: Open Defecation	04-10-2019	60	Mr. Shishir Nigam Clan Chief, Water Sharks 9999261244
One Week Counselling Program- Parvarish	19-09-2019	30	Dr. Sonia Duggal Clan Chief, Air Falcons 8527821340

Consciousness Program on Saving Environment on the Occasion of Celebration of 150th Birth Anniversary of Mahatma Gandhiji	09-08-2019	50	Mr. Shishir Nigam Clan Chief, Water Sharks 9999261244
Awareness Programs on Water Conservation	01-08-2019	60	Mr. Shishir Nigam Clan Chief, Water Sharks 9999261244
Three Month Program on One Student One Tree: Environmental Responsibilty	01-07-2019	70	Dr. Kalpana Varshney Clan Chief, Forest Rhinos- 9911191445

Extra curricular activities: 2019-20

Details of major events during the Academic Year 2019-20 is tabulated below:

Year	Date of event-competition (DD-MM-YYYY)	Name of the event-competition
2019-20	12-02-2020	8th MREI Girls Sports Meet 2020
2019-20	11-01-2020	13th Manav Rachna Corporate Cricket Challenge 2020
2019-20	27-01-2020	Intra College Tournament
2019-20	01-01-2020 & 02-02-2020	Sports workshop for FIT India Movement 2020
2019-20	01-01-2020 to 22-01-2020, 03-02-2020 to 08-02-2020, 04-02-2020 to 15-02-2020, 05-02-2020 to 22-02-2020, 06-02-2020 to 29-02-2020	Mini marathon for FIT India Movement 2020
2019-20	12-11-2019	All India Inter University Shooting Championship 2019-20
2019-20	24-02-2020	Students Cricket Tournament
2019-20	18-07-2019	Talent Hunt: Cultural Auditions during Induction Program
2019-20	26-07-2019	Manav Rachna Freshface: Personality and Talent Hunt
2019-20	13-08-2019	Aazadi 73- A Cultural Celebration on the occasion of Independence Day
2019-20	23-08-2019	Cultural Exchange Program with Chinese Delegation
2019-20	05-09-2019	Cultural Tribute to Teachers : Teacher's Day
2019-20	11-09-2019	Cultural Activities on Systematic Voters' Education and Electoral Participation program
2019-20	28-09-2019	FBB Campus Princess- Road to Miss India 2020 (Beauty Pagent)
2019-20	04-10-2019	Celebration of Universal Brotherhood Day: Cultural Unity
2019-20	07-11-2019	Resurrection- Annual Cultural Fest
2019-20	31-10-2019	Uniting the Nation: Unity in Cultural Diversity
2019-20	02-11-2019	Cultural Tribute to Sardar Vallabhai Patel: National Unity Day

2019-20	09-11-2019	"Orange the World": Generation Equality Stands Against Rape!
2019-20	16-12-2019	Learning Dancing Steps through Zumba , Bhangra and Aerobics
2019-20	24-12-2019	Music and Caroling on the Eve of Christmas
2019-20	13-01-2020	Cultural Celebrations on the occasion of Traditional Winter folk Lohri festival
2019-20	16-01-2020	Issues and Practices of Swachhata through different Performing Art Forms:Swacchta Pakhwada
2019-20	26-01-2020	Tribute to Country's Rich Cultural Heritage and Military Prowess:Republic Day Celebration
2019-20	31-01-2020	Cultural Meet at International Conference on Environment
2019-20	11-02-2020	Enhancing the Skill and Culture of Public Speaking
2019-20	21-02-2020	Celebrating Multilingual Cultural Heritage: Matrabhasha Diwas
2019-20	24-02-2020	"Stay Strong China, We Are With You"- Special Prayer Meet for Coronavirus affected China
2019-20	28-03-2020	Awareness Programs During COVID-19
2019-20	02-04-2020	Observance Ram Navami
2019-20	20-04-2020	Breathe it Out - An online Monologue Competition
2019-20	15-04-2020	QUARANTINE-O-ART (Online Art Competition)
2019-20	22-04-2020	Debate- It Out- An online debate competition
2019-20	14-04-2020	Observance of Ambedkar Jayanti
2019-20	25-05-2020	Observance of Eid- Ul Fitar
2019-20	15-06-2020	International Yoga Day

Life Skill:

S.No	Event	Date
1	Annual Program on Environment Sensitization - Open Defecation	01-07-2019
2	Three Month Program One Student One Tree: Plantation Drive	01-07-2019
3	Awareness Program on Water Conservation	01-07-2019
4	Annual Intensifying Photography Skill Development Program	01-07-2019
5	Consciousness Program on Saving Environment on the occasion of 150th Birth Anniversary of Gandhiji	01-07-2019
6	One Week Counselling Program - Parvarish	01-09-2019
7	One week Green Initiative Drive - Mega Plantation	10-09-2019
8	Technical Workshop on Vehicle Maintenance and Management	09-10-2019
9	One Day Development Program on Social and Creative Skills	16-10-2019
10	One Week Campaign- TALK TO ME, DE-STRESS YOURSELF	18-11-2019

11	Two months Mega Donation Drive -Toys-Books-Clothes-Jute Bags	01-12-2019
12	Student Life Skills to survive and thrive during Covid -19	01-02-2020
13	Awareness Program on Road Safety	12-02-2020
14	One Week Celebration of World Environment Day	05-06-2020
15	Two Weeks Yoga Training Program	21-06-2020
16	One week program on 'ONE NATION: PARYAVARAN SANRAKSHAN GATIVIDHI'	15-08-2020
17	One Week Celebration of Water: JALSA	01-10-2020

GLIMPSES OF STUDENT ACTIVITIES 2019-20

GLIMPSES OF STUDENT ACTIVITIES 2019-20

S.No	Year	Name of the Event	Level
1	2019-20	Second Position at Solo Singing Cometition at Lady Irwin College, Delhi University	National
2	2019-20	Second Position at Solo Singing Cometition at Sri Venkateswara College, Delhi University	National
3	2019-20	Third Position at Portrait Painting at B.R. Amedhkar University	National
4	2019-20	First Position at Indian Classical Solo at Mata Sundari College, Delhi University	National
5	2019-20	First Position at Semi- Indian Classical Solo at Mata Sundari College, Delhi University	National
6	2019-20	Third Position at Gazal at Mata Sundari College, Delhi University	National
7	2019-20	Best Exhibiters Award- Shri Ram College of Commerce	National
8	2019-20	Best Exhibiters Award at PGDAV	National
9	2019-20	First Prize at S.F. Idol Delhi NCR at Delhi University(Prelims)	National
10	2019-20	First Postion at S.F.Idol - IIT Kharagpur - Solo Music	National
11	2019-20	Second Position at Theatrix- Stage Play by Paigam- Theater Society at Annual Cultural Fest (IIT-Guwahati)	National
12	2019-20	First Position at Fashion Walk at Annual Cultural Fest- Oasis'19 (BITS PILANI)	National
13	2019-20	First Position at Street Dance at Annual Cultural Fest- Thomso'19 (IIT Roorkee)	National
14	2019-20	Second Position at BATTLE of BANDS- Annual Cultural Fest- VIPS 2019	National
15	2019-20	Winners at Vishbandutav Diwas in association with Vivekanada Rock Memorial	National
16	2019-20	Winner at Mono Act- Stagers by Operose	National
17	2019-20	Third Position at Abhivyakti'19 Art Exhibition DTU	National

8.4 Sports Activities

Manav Rachna Sports Academy is an unparalleled sports experience which offers sports to each enthusiast who believes in taking his-her sporting experience to a brand-new level. Whether a newcomer to the world of sports or one who wants to enhance one's sporting skills, Manav Rachna Sports Academy has all options open. With world-class infrastructure, best training teachers and sports clinics organized at frequent intervals by the world acclaimed trainers; this is a one-stop sports media for all sports lovers. MREI initiated MRSA to advance the cause of sports in the North India and also throughout India. The players participate in specifically designed structures as per their needs and experience intense practice sessions leading to development of their sporting techniques, courtesy our efficient coaches.

TEAM SPORTS

At MRSA, facilities exist in the field of Badminton, Table Tennis, Lawn Tennis, Chess, Carom, Basketball, Volleyball, Shooting, Swimming, Physiotherapy, Squash, Skating and Soccer. Many of sports facilities have been designed in consultation with leading brands like YONEX (for Badminton) and STAG (for Table Tennis). MRSA also includes under its wing the Manav Rachna Cricket Academy (MRCA) which was inaugurated by Cricket Legend Virender Sehwag on July 6, 2012. Besides the Manav Rachna School students, the Academy is open for the people of Faridabad in the evening. Inspired by MREI's legacy of excellence, MRSA continues to nurture sports talents among students from Nursery onwards and grows from strength to strength.

Details of major sports events during the Academic Year 2019-20 is tabulated below:

Activity	Level	Participants	Date
8th MREI Girls Sports Meet 2020	Inter College	350	12-02-2020
13th Manav Rachna Corporate Cricket Challenge 2020	Corporate	390	11th Jan to 20th December 2020
Sports workshop for FIT India Movement 2020	Inter College	60 Each	1st - 22-01-2020 2nd -27-02-2020
mini marathon for FIT India Movement 2020	Inter College	20 Each marathon approx	1st - 22-01-2022, 2nd - 01-02-2022, 3rd - 08-02-2022, 4th - 15-02-2022, 5th - 22-02-2022, 6th - 29-02-2022
All India Inter University Shooting Championship 2019-20	National	1400	12th to 15th November 2019
Intra College Tournament	Intra College	300	27th Jan to 29th Jan 2020
Students Cricket Tournament	Intra College	30	24-02-2020

8.5 Scholarship/Freeship

The MRIIRS offers Scholarships to students on the basis of marks/CGPA in the qualifying examination as per following criteria:

UG level Courses (Except B.Tech. Mechanical Engg. Industry Integrated)

90.00% & above	100% Tuition Fee Waiver
85.00% & above but below 90.00%	50% Tuition Fee Waiver
80.00% & above but below 85.00%	25% Tuition Fee Waiver

In case of B.Tech. Mechanical Engg. Industry Integrated:

90.00% & above	50% Tuition Fee Waiver
85.00% & above but below 90.00%	25% Tuition Fee Waiver

PG level Courses

80.00% & above	100% Tuition Fee Waiver
75.00% & above but below 80.00%	50% Tuition Fee Waiver
70.00% & above but below 75.00%	25% Tuition Fee Waiver

- For purpose of Scholarship-tuition fee waiver, the marks are not rounded off to the next higher figure and calculation of percentage of marks is made on the basis of eligibility subjects in the qualifying examination (same number of subjects).

- However, the students are required to pay other fees as applicable to the programme concerned. Such students is required to maintain a minimum SGPA of 7.0 in the subsequent (each) semesters without having compartment in any subject and also to maintain minimum 75% attendance in each semester, and failing in any of the above criteria results in withdrawal of awarded Scholarship.

- In addition, suitable free ship is available to high achievers in the field of sports, to the persons suffering with Thalassaemia Major, sons / daughters of Army Personnel who have been killed in war- terrorist attack, to physically handicapped students etc. on case to case basis.

- Candidates passing out from any of the Manav Rachna Educational Institutions and wards of faculty - staff member of any of the MREI are tom get one-time concession of Rs. 5000/- at the time of admission in any of the programs being offered at Manav Rachna International Institute of Research and Studies.

Merit Scholarship Other than Scholarship- Freeship

In order to motivate the students for better and sustained academic performance MRIIRS offers Merit Scholarship other than Scholarship- free ship enumerated below, for students securing first , Second and Third positions in the Odd & Even semester exams (based on the amalgamated SGPA-CGPA) every year for each programme being run at MRIIRS, as under:

First Position	25% of Tuition Fee or Rs. 25000/- which ever is less
Second Position	15% of Tuition Fee or Rs. 15000/- whichever is less
Third Position	10% of Tuition Fee or Rs. 10000/- whichever is less

The Following are the Guidelines for Granting these Merit Scholarships:

1. To offer First, Second and Third Position Scholarship, a Programme needs to have the strength of at least 90 students appearing in the Semester Exams. Otherwise only First topper would be getting the First Position Scholarship.
2. If the strength of a programme is 10 or less, no Scholarship would be awarded for that.
3. The student would be eligible to get benefitted for Tuition Fee Waiver only out of one criterion.

Student Staff & Alumni Welfare Fund (SSAWF)

1. The young and the budding talent in MREI should not go a begging for want of resources in the field of technical education and research in physical science, social science & any other topic of topical interest emerging in the environment. To fulfill the above vision, the MRVF has taken a conscious decision to muster financial resources in the name of Student Staff and Alumni Welfare Fund (SSAWF).

2. The SSAWF resources would be utilized for accomplishing the under mentioned objectives

   a. Rendering financial assistance to students, staff and alumni for research and higher studies in the interest of the overall well being of the under privileged and have knots of the society.
   b. To provide financial assistance- scholarship to needy students for continuation of their higher studies.
   c. To render assistance including ex-gratia payment to alumni for higher studies, during distress and any other contingencies.
   d. To honor MREI students, staff and alumni for their outstanding achievements in studies, profession, sports and entrepreneurship.
   e. To provide financial and other resources to families of MREI owing to any natural calamity such as earthquakes, floods etc.
   f. To provide financial support.

A scholarship to the tune of Rs. 2.94 crore was disbursed to 1002 beneficiaries during AY 2019-20.

CHAPTER 9

INSTITUTIONAL SOCIAL RESPONSIBILITY

Women and Gender Sensitization Committee (WGSC)
Action Plan AY (2019-20)

Keeping with the main objectives of Women and Gender Sensitization Committee (WGSC), to provide Equity, Equality and Empowerment to all the genders, the Committee has prepared the following activities/events for the year.

These activities aim to build up Public mobilization and a multi generational Campaign for Equality and Equity and promotion of behavioral change by emphasizing the positive masculinity and work towards a violence against Women and Children free society.

The following action plan aims to increase affirmative action and empowerment in the above areas.

Women and Gender Sensitization Committee

Action Plan 2019-20-Proposed Calendar of Activities

S. No	Schedule	Audience	Theme-Topics	Faculty	Coordinator-Faculty
1.	16th July 2019	New Batch of Students	Workshop on Gender Sensitization and Equity - Moving towards a New World	Orientation and Admission Team FET	Orientation and Admission Team
2.	24th July 2019	New Batch of Students	Awareness Talk on Breaking Gender Barriers - A New Way Forward	Orientation and Admission Team NON-FET	Orientation and Admission Team
3.	29th July 2019	Staff and Students	Group Discussion on the importance of Gender Sensitization & Equity for All	FMS	Dean-HOD FMS
4.	30th July 2019	Boys Hostellers	Workshop on Changing Gender Roles - A Society in Transition	University Administrative Office	Registrar Office
5.	31st July 2019	Girl Hostellers	Training Workshop on Women Safety	University Administrative Office	Registrar Office
6.	22nd Aug 2019	New Batch of Students	Awareness talk on Gender Awareness and You	MRDC	Principal MRDC
7.	14th Sept. 2019	New Batch of Students	Awareness talk on Gender Awareness and You	MRDC	Principal MRDC

8.	14th Oct 2019	Staff and Students	Screening of Movies - Role of Films in Women Empowerment - The Indian Case Study	FMeH	HOD Psychology
9.	29th Nov 2019	Students	MASH Project- "Orange the World: Generation Equality Stands Against Rape!	DSW	DSW
10.	10th Feb 2020	A- Faculty B- Administrative Staff C- Class IV Employees	Workshop on Gender, Patriarchy and Law	FBSS	HOD Economics
11.	11th March 2020	Staff and students	Group Discussion on Women's Rights & Gender Equality	DSW, Health Science & Nutrition	Dean & HOD FAS
12.	15th Jan 2020	Faculty of FDS	Group Discussion on Gender Sensitization - The importance of being considerate to others	MRDC	MRDC
13.	12th Feb 2020	Staff and students	Team and Leadership Activity - Girls Sports Meet	Sports Dept.	Director Sports
14.	6th March 2020	Staff and students	Film Festival Competition on PRAKRATI - The five Elements of the Feminine	FMEH	Dean-HOD FMEH

MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES
(Deemed to be University)

MRIIRS-WGSC-2019-170 **Dated: 01st June, 2019**

Women and Gender Sensitization Committee (WGSC)

From:	To:
Chairperson WGSC	All Dean's MRIIRS

Subject: WGSC Action Plan 2019-20 for necessary implementation

Please find attached herewith the action plan with calendar of activities planned by WGSC and approved by the Vice Chancellor to be conducted for AY 2019-20.

All the activities undertaken will have to be coordinated by respective Dean/HoD as mentioned against each activity. HoDs/Deans shall further designate one faculty coordinator and will take care of the logistics and submission of the report of the event through the designated faculty coordinator.

For your information and necessary action.

Thanks & Regards

Chairperson
WGSC

Enclosures: WGSC Action Plan 2019-20

CC:
1. VC,MRIIRS
2. PVC,MRIIRS
3. Registrar, MRIIRS
4. Dean Academics, MRIIRS

Manav Rachna International Institute of Research & Studies, along with creating excellence and professionalism, is dedicated to social causes and hence, is pleased to contribute to International philanthropy with the grand aim of improving the quality of life of people around. MRIIRS is committed to fulfilling its duty towards the Nation and the World by promoting the inclusive growth and development of society and its people and conserving the diversity of cultures, and protecting environment and the planet.

Manav Rachna International Institute of Research & Studies has been playing a pioneering role in building up the Institutional Social Responsibility since its inception in 1997 as Career Institute of Technology and Management. The Projects undertaken by MRIIRS include creating awareness about diseases such as Thalassemia, Haemophila, Mouth Cancer, Dengue etc. Various health check-up camps and blood donation camps have been organised. The institution, since its CITM phase, has been taking up various activities for the cause and benefit of the society, building up in the process, a sense of community and team work among teachers, students, faculty and staff.

Under the Institutional Social Responsibility MRIIRS undertakes development activities, research and training in the following fields: -

- **Education, Capacity building of people and Creating knowledge societies**
  It aims to provide global and regional leadership in education in order to strengthen education systems.
- **Protecting and Reviving our heritage and Fostering creativity**
  It endeavors to protect and safeguard the cultural and natural heritage. It supports, promotes and encourages creativity and hence, works towards sustaining our heritage and protect it for our future generations.
- **Sustainable Development and Environmental Protection**
  It focuses on reducing energy consumption, creates awareness about produce and use of sustainable clean and green energy. It also lays emphasis on conserving water, trees, and other natural resources.
- **Gender equality, Sexual and Reproductive Justice and Health Care**
  It aims to work towards gender equality and women empowerment in a multi pronged approach by awareness campaigns, capacity building, changing mindsets and perceptions of men and youth, and implementing programs and schemes for the cause.
- **Global, Physical, Psychological and Spiritual Health and Well-being**
  It takes steps towards achieving total health i.e. physical, mental, emotional and spiritual to improve the quality of life for the society as a whole.
- **Inclusion, Mainstreaming, Development, and Empowerment of sections of society who are marginalized, vulnerable and with special needs**
  It aims to bring together the marginalized section of the society or a group and works towards building an inclusive society where no one is left behind. It focuses on the vulnerable section of the society and tries to take them forward as a group.
- **Geriatric Healthcare and Well-being**
  It aims in working towards the welfare of elderly by training and empowering them for new employment. It also works towards their holistic health and well-being.

Our Initiatives

1. Swacch Bharat Abhiyaan

Swachh Bharat Mission: Under Swacthh Bharat Abhiyan initiated on 2nd October 2014, by our distinguished Prime Minister, Manav Rachna International Institute for Research and Studies took the responsibility of cleaning and maintaining the cleanliness at the Old Faridabad Railway Station and Shiv Mandir. The entire staff and students were provided with brooms and other cleaning aids. Everyone enthusiastically undertook the task of cleaning Sanjay Colony. The residents were also sensitized about necessary prerequisites for a healthy and hygienic lifestyle.

- Initiatives are taken up to keep the railway station clean- the housekeeping staff visits the station on weekly basis and cleaning is carried out.
- Twenty dustbins and one smart dustbin has been installed. When the smart bin is used a video clip is played which thanks the person for keeping the surroundings and railway station clean.
- Civil work has also been taken up at the platforms. The tasks of repair and painting has been carried out on and outside the railway station. Weekly cleaning is carried out by the University.

2. Cleanliness at Shiv Mandir

- In order to extend the efforts to continue with this grand vision, the initiative was taken to clean the Shiv Mandir, Sainik Colony, Faridabad. To fulfill the objective of Sustainable Development and Environmental Protection, cleanliness of the Mandir is done on a weekly basis by Manav Rachna International Institute for Research and Studies.

3. *Ek Mutthi Daan* (No one sleeps hungry)

***Ek Mutthi Daan* was initiated on 09-03-2014** with the objective to ensure that "**No one sleeps hungry**". The other objective of this initiative was to teach the students, staff and faculty "to share and to give as well as to help uplifting everybody". The collection of Rice - Wheat is taken from volunteers among students, staff and faculty members from all Faculties- Departments on rotation on monthly basis to be donated to the NGOs associated with us.

All the students and faculty contribute whole heartedly towards this cause and in the coming months we have plans to take this initiative even outside the Campuses, to the community so that even they everyone can participate in this cause of eradicating hunger and wastage.

4. MEGA BLOOD DONATION CAMP

- This is an annual event, and has been assisted by Lions Club of Faridabad and Rotary Club.
- Medical support and equipment are provided by an able team of doctors from B.K Hospital, Faridabad.
- This is a yearly event, organized in the month of September.

5. Health Camps

- Dental Health Camps
- Physiotherapy Camps
- Mental Health Camps

The students and Faculty of Dental Hospital, Faculty of Nutrition and Dietetics and Faculty of Behavioural Sciences visit the nearby villages and arrange health camps for the welfare and development of people. The camps are also arranged on request and wherever the need is felt.

5.1 Dental Camps

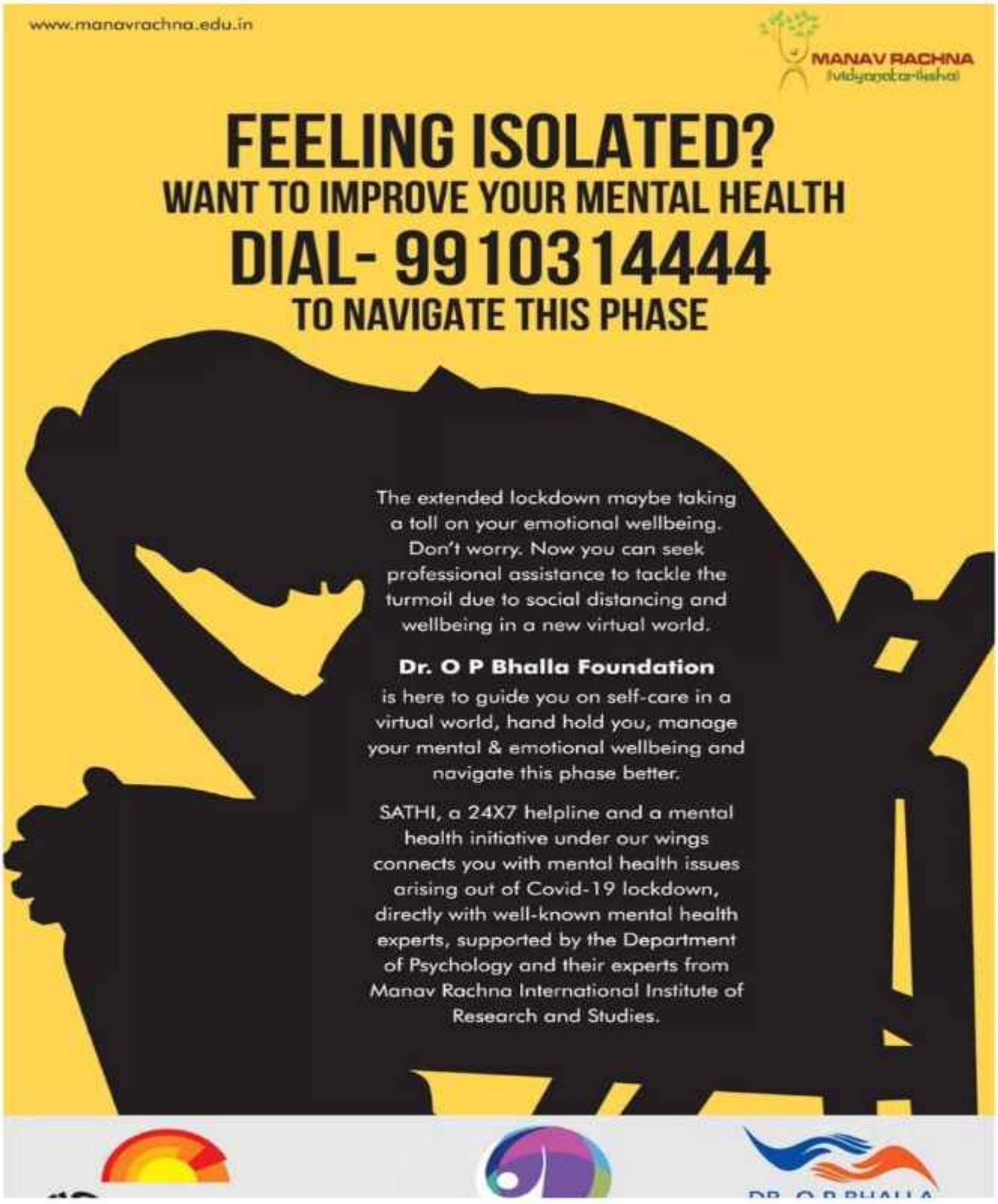
MONTH	AREA OF TREATMENT	NO. OF BENEFICIARIES
April 2019	Village Chhainsa + 26 venues	2025
May 2019	Village Tigaon + 19 venues	1051
June 2019	Village Mohna + 21 venues	569
July 2019	Village Deeg + 30 venues	1540
August 2019	Village Anangpur+ 25 venues	2622
September 2019	Sidhartha ashram+ 18 venues	1067
October 2019	Village Agwanpur+ 10 venues	739
November 2019	Village Mohna + 25 venues	987
December 2019	Sidhartha + 16 venues	1035
January 2020	Deeg+ 14 venues	864
February 2020	Sangam Vihar + 23 venues	825

5.2 Physiotherapy Camps

MONTH	AREA OF TREATMENT	NO. OF BENEFICIARIES
July 2019	Sanatan Dharam mandir nit fbd	30
August 2019	Sheows, Badarpur	100
September 2019	Gurudwara-Greenfields,	30

5.3 SATHI - A Mental Health Initiative

- It is supported by the department of Applied Psychology, MRIIRS and Dainik Jagran.
- The helpline was launched on 16th April 2020.
- A team of 5 experienced clinical psychologists headed by Dr Chavi Bhargava Sharma, which is trained in Emotional First Aid and Crisis Management, has been helping out the people who are stressed out due to the current pandemic.
- The team has already helped more than 400 people most of whom are elderly, students, housewives and young working women who were mostly suffering from Anxiety from Delhi NCR.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FEELING ISOLATED?
WANT TO IMPROVE YOUR MENTAL HEALTH
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TO NAVIGATE THIS PHASE
The extended lockdown maybe taking a toll on your emotional wellbeing. Don't worry. Now you can seek professional assistance to tackle the turmoil due to social distancing and wellbeing in a new virtual world.
Dr. O P Bhalla Foundation
is here to guide you on self-care in a virtual world, hand hold you, manage your mental & emotional wellbeing and navigate this phase better.
SATHI, a 24X7 helpline and a mental health initiative under our wings connects you with mental health issues arising out of Covid-19 lockdown, directly with well-known mental health experts, supported by the Department of Psychology and their experts from Manav Rachna International Institute of Research and Studies.

6. MEGA UNIFORM AND BOOKS DISTRIBUTION DRIVE

Dr O.P. Bhalla foundation did a Mega Uniform and books distribution drive in adopted 5 villages (Mohna, Panhera, Nariyala, Maujpur, Heerapur).

S. No	Village	Students Benefitted	Clothes Distributed	Books Distributed	Books donated to the library
1	Mohna	400	A Warm Blazer, a pair of Pants, a Shirt, Two pair of Socks, a Tie	800	80
2	Heeraur	113	Warm Jackets, a pair of Jeans, a shirt, two pair of socks, a tie	550	110
3	Panhera Khurd	515	Warm Pant - Skirts, Full Sleeves Shirts, Two pair of Socks and a tie	500	310
4	Nariyala	500	Warm jacket, full sleeves shirt, 2 pair of socks and a tie	540	330
5	Maujpur	80	Warm Jackets, jeans, full sleeves shirt, 2 pair of socks	450	80
6	Anangpur	200	Warm Jackets, Warm Pants, Full Sleeves Shirts, Socks,	400	300

7. Shoes Distribution drive in GHS Hirapur

- Under the aegis of Dr. OP Bhalla Foundation, we donated 113 Pairs of shoes for the students of GHS Hirapur.
- The students were very happy and thankful after receiving the pair of shoes.
- This activity was done in collaboration with Lakhani Armaan Ltd.

8. Environment Protection Campaign

Interactive sessions were conducted at various schools for awareness of Environment Protection.

S.No.	Zone	Date of Meeting	Venue
1.	Faridabad Old	11th November 2019	Grand Columbus School, Sector 16A, Faridabad
2.	NIT Faridabad	18th November	DAV School Sector 49, Sainik Colony, Faridabad
3.	Colleges and Universities	18th November	YMCA Auditorium
4.	Ballabgarh Zone & Rural Zone	25th November	Aggarwal Public School, Ballabgarh

9. "Share if you Care"

At MRIIRS, under the aegis of DR. O P Bhalla Foundation, our students are being provided with varied opportunities to contribute and develop the feeling of thoughtfulness and empathy.

MRIIRS took an initiative to begin to act and reinforce the values in the students by organising various CSR activities, wherein the students got an opportunity to spread awareness of being empathetic towards the lesser privileged people. The motive for the same was surely to develop the feeling of, **"SHARING IS CARING"**

10. Adoption of Old Age Home "*Guru Vishram Vridh Ashram*" by SHEOWS

Dr. OP Bhalla Foundation has adopted the old Age Home "Guru Vishram Vridh Ashram" to help and support the destitutes who suffered from Dementia, Alzeihmers, Schizophrenia and other psychological disorders through Psycho-cognitve interventions. Every month Rice and Daal collected through "Ek Mutthi Daan" is donated to SHEOWS as well. An eye checkup in association with Lion's club was organized.

11. Environment Protection Campaign

- On the occasion of World Environmental Day which was celebrated on 5th June 2020, an awareness drive was done by the Foundation for all the MREI Family. In this drive, we motivated people to adopt environment friendly ways to save Mother Earth. We gave them some handy tips which they can easily adopt.
- The benefits of PNG Crematorium were also shared with the entire MREI Family. An Oath Letter was also shared with everyone, with whom they can fill and take a pledge to save the trees not only while they live, but even after there departure.
- Many children were informed about the importance of trees. They were motivated plant trees and also take care of the existing ones.

12. Mega Project on Solid Waste Management

- "Solid Waste Management" Project at Rakhigarhi, Hisar was handed over to villagers on December 29th, 2019. This was a mega project wherein the entire process from collection to segregation to treatment and disposal was established and implemented by Manav Rachna Educational Institutions.
- Rakhigarhi, a village in Hisar District in the state of Haryana, and is the site of a pre-Indus Valley Civilization settlement going back to about 6500 BCE. Later, it was also part of the mature Indus Valley Civilisation, dating to 2600-1900 BCE.
- The SWM project was designed after an entire survey of the village so that their needs and problems could be understood. Dustbins were also deployed all over the village as per their suggestion and consent. A Bio-composter has been placed to treat wet waste and produce manure for their fields.

The project was funded by ITRDH, Delhi whose patron is Shri SK Misra ji, a renowned name in the field of Haryana Tourism.

13. Teacher On Call Program

- Teacher on call program was launched by Faridabad Education Council under the Umbrella of Dr. O.P. Bhalla Foundation on 25th April, 2020.
- A free service for the students of Government Schools of Faridabad District by a toll free number - 18008906006
- A movement to enhance the academics of the students of Government Schools of Faridabad with the highlight as
    - ✓ Students Registered – 10000
    - ✓ Schools benefitted – 65
    - ✓ Teachers associated 300+
- The 'Teacher on Call Program' by Faridabad Education Council had conducted a contest amongst the Students of Government School of Faridabad district. The top 5 students who made the maximum calls with genuine subject queries between September and October months were awarded with Cash Prize while top 15 students were given certificates of achievement. The First Prize was handed over to the student by Hon'ble Deputy Commissioner of Faridabad, Sh Yashpal Yadav Ji, I.A.S. The names of achievers are as below:
- Amit Kumar - GMSSSS Sec 55- Rs. 5100/-
- Prachi - GSSS Nariyala Rs. 2100/-
- Ravi Kumar- GSSS Agwanpur Rs. 1100/-
- Riya- GSSS Nariyala Rs. 500/-
- Sahil - GSSS Mohna Rs. 500/-

14. Adoption of Sparklife Foundation

Under the aegis of Dr. O.P Bhalla Foundation, we are supporting **SparkLife Foundation** which is a very noble initiative by Ms. Bhardwaj, in Faridabad (Sector-21), who operating from the basement of her house, conducts classes for students from Government schools every day. On a visit to her set up, we could feel the energy and passion among the students to learn and make a better future for themselve.

Student volunteers of the Dr O P Bhalla Foundation are supporting the Foundation by arranging teachers for some subjects. Our student volunteer Ms Vrinda Sharma visits the NGO everyday and through very innovative practices she makes the students learn subjects like Maths and Science. Ever since, her intervention the students have shown some very Positive results. She also helps the NGO arrange special festivals and has been inviting guests who have been very motivating and encouraging for the students.

15. Adoption of Mohna Village

The major issues of the village were addressed in the following areas:

- Infrastructure
- Education
- Dental Camps: Team goes everyday Friday and bus gets the patients on Wednesday.
- Computer center
- Establishment of a Skill Development Centre in Mohna Village - Computer skills classes, Library facility and training in vocational skills.

As per a weekly calendar, Faculty and students visit the Mohna village and also the school located. The impact of this initiative of Adoption of Mohna Village has been the upliftment of the residents of Mohna Village through all the programmmes. The Computer Classes have had enrollments of over 300 students, who are getting computer training. The Career Enhancement Programs are run on a weekly basis and are made available to over 300 participants. Both these two programs have been appreciated and found useful by the youth of Mohna Village. The Dental Clinics are run three times a week and have been very useful for the residents of Mohna Village for all their dental problems. The task of construction of toilets at the community center in Mohna has been completed.

Maintenance work undertaken in Mohna village in 2018:

- Plumbing work at the school for the toilets has been completed
- All toilets at the school have been renovated and tiles have been put up in all the7 toilets.
- Electrical wiring work in all the classrooms and outside has been done.
- The stairs and the boundary wall have been repaired

16. Adoption of Govt. Girls Higher Secondary School, Badshahpur by MRIS Gurgaon

The students as well as teachers take interest in engaging with the students through different activities.

17. Education-Skill Development

- Various Capacity Building Workshops for the Teachers, Staff and Students of Government Schools of Faridabad District have been organized from time to time to improve the quality of Education.
- The Workshops for Principals and Headmasters, Clerical staff and SMCs & Students (for Robotics) were organized on 24th May 2019, 25th May 2019, 20th December 2019 and 16th January 2020 respectively.

18. FUNDRAISING THROUGH DIWALI MELA 2019

Dr. O.P.Bhalla Foundation had a stall in Diwali mela 2019 which was a great success with a huge fund was raised.

19. Initiatives during Covid – 19

- A Special contribution of Rs 51 lacs has been made by the Chief Patron MREI to the CM Relief Fund which included a voluntary contribution of one day salary of all MREI faculty and staff along with contributions from the Management.
- We have made weekly donations of dry grains to the District Administration Faridabad to support the poor and needy. The details are as below:

S.No	Date	Unit	Number of People benefitted	Amount Collected (in Rs.)
1	04.04.2020	FET, MRIIRS	1000	53000
2	18.04.2020	MRIS 14, MRIS 21C and MRIS CW	900	50000
3	27.04.2020	MRU	500	29000
4	04.05.2020	MRIIRS	1000	75600
5	11.05.2020	MRIS 46, MRIS 51 and MRIS Noida	800	38576

20. Distribution of "Sanitizers" and "Masks" during Covid – 19 at the adopted Villages

Under the aegis of Dr OP Bhalla Foundation, 500 Sanitizers and 500 reusable 3-ply Cotton Masks were distributed for the Below Poverty Line (BPL) families of the adopted villages of Manav Rachna International Institute of Research and Studies. The material was handed over to the Gram Panchayat of the respective villages. The villagers were thankful for the donations. The beneficiary villages were Mohna, Heerapur, Nariyala, Panhera Khurd and Maujpur.

21. Installation of Contactless Automatic Sanitizers-Dispensers

- Dr. OP Bhalla Foundation in collaboration with Prayas Initiative held a mega donation drive of "Contactless Automatic Sanitizers / Dispensers" on 26th and 27th August, 2020. These dispensers were donated in all the adopted villages of Manav Rachna. The beneficiary villages were Mohna, Nariyala, Maujpur, Hirapur, Panhera Khurd, Pali, Ankheer, Anangpur, Mewla Maharajpur, Fatehpur Chandila.

- These machines will be used in the school Campus and will also be utilized at other open places of the village as per the requirement and advised by the village Sarpanch. Due to the ongoing family registrations which are venued in school Campuses, this donation drive will impact around 80,000 people in all the villages and will work on to ensure their safety when they will be in school Campuses for the same. Every village was happy to receive the CAS in such situation of ongoing pandemic and ensured that the safety of their villagers is on top priority.

22. Creating Awareness about Covid – 19 and Lockdown related Issues

- Radio Manav Rachna under the Guidance of Dr N. C. Wadhwa, Vice Chairman – Dr O. P. Bhalla Foundation, played various recordings, including one by Dr Wadhwa himself, to create awareness about the pandemic.
- The awareness related recordings are regularly being played by Radio Manav Rachna.
- Awareness about the PNG crematorium and its benefits was created amongst all MREI associates. All the cremations due to Covid-19 deaths in the last 2 – 3 months have been done at the PNG crematorium.

- "Make your Own Mask" drive was conducted by Clan Forest Rhinos, MRIIRS in association with the Foundation through a video on how to make the mask at home on 28th April 2020.
- An awareness video by the name of 'Protocols during Pandemic' was released by Clan Water Sharks, MRIIRS in association with the Foundation.
- Various awareness drives were done by the DSWs and Clans of both MRIIRS and MRU in association with the Dr O P Bhalla Foundation related to maintaining health and hygiene during Covid 19. Guidelines of Covid - 19 related precautions and symptoms were propagated.

23. Warm, A Sanitary Napkin Distribution Drive

- Distributed 14 thousand sanitary napkins to girls and village women in Government Girls' High School at Mohna village. It was the largest sanitary napkins distribution in the country, an attempt under the India Book of Records.
- This record was established by gynecologist Dr. Priyakshi Chaudhary and Dr. Arpita Jaiswal.

24. New Planned Initiatives

- To Undertake development activities at the District Child welfare home Faridabad.
- To set up sanitary napkins' kiosks at government girls' schools.
- To work towards polythene ban in Faridabad, beginning with Sainik Colony and MREI.
- To take Maitri to the community and conduct counselling and wellness and mental health sessions.

Details of Gender Equity Promotions Programmes organized during a year are listed as below:

Title of the programme	Date of conduct	No. of Participant	
		Female	Male
Workshop on Gender Sensitization and Equity - Moving towards a New World	16 .07. 2019	33	47
Awareness Talk on Breaking Gender Barriers - A New Way Forward	24.07. 2019	43	59
Group Discussion on the importance of Gender Sensitization & Equity for All	28.07. 2019	17	23
Workshop on Changing Gender Roles - A Society in Transition	30.07. 2019	0	22
Training Workshop on Women Safety	31.07. 2019	23	17
Awareness talk on Gender Awareness and You	22 .08. 2019	26	34
Screening of Movies - Role of Films in Women Empowerment - The Indian Case Study	14 .10.2019	20	25
"Orange the World": Generation Equality Stands Against Rape!	29 .11.2019	80	120
Workshop on Gender, Patriarchy and Law	10 .02.2020	52	68
Group Discussion on Women's Rights & Gender Equality	11 .03.2020	15	17
Group Discussion on Gender Sensitization - The importance of being considerate to others	15 .01.2020	21	19
Team and Leadership Activity - Girls Sports Meet	12 .02.2020	400	0
Film Festival Competition on PRAKRATI - The five Elements of the Feminine	6 .03.2020	44	64

Following Activities were Conducted for Promotion of Universal Values and Ethics

S. No.	Name of Event	Date		No. of Participant
		From	To	
1	Three Month Program on One Student One Tree - Plantation Progarm: Environmental Responsibility	01.07.2019	30.09.2019	70
2	Session on Professional Conduct (Faculty and Staff Induction Programme)	05.07.2019	05.07.2019	All faculty members
		05.07.2019	05.07.2019	Staff Members
3	Session on Students Conduct (Student orientation Programme)	16.07.2019	16.07.2019	221
		24-07-2019	24-07-2019	226
4	Session on Ethics in Cyber Crime & Cyber Law , Anti ragging & Gender Sensitization (Student orientation Programme)	16.07.2019	16.07.2019	221
		24.07.2019	24.07.2019	226
5	Interactive Session on Universal Human values and ethics (Student orientation Programme)	19.07.2019	19.07.2019	230
		25.07.2019 (Group2)	25.07.2019 (Group2)	293
6	Session on Water Conservation-Ethics for Healing Earth (Student orientation Programme)	18.07.2019	18.07.2019	226
		22.07.2019	22.07.2019	230
7	If plants could speak what would they say about their rights	31.07.2019	31.07.2019	30
8	Awareness Programs on Water Conservation	01.08.2019	31.09.2019	60
9	Rights abuses around the world- What can we do	02.08.2019	02.08.2019	28
10	Saving Environment on the Occasion of Celebration of 150th Birth Anniversary of Mahatma Gandhiji	09.08.2019	01.10.2019	50
11	Annual Awareness Programme on Code of Conduct and Quality for faculty and staff members	17.08.2019	17.08.2019	213
12	The rights of the Mentally ill- Stories from the Dark Side	30.08.2019	30.08.2019	40
13	Cultural Activities on Systematic Voters' Education and Electoral Participation program	11.9.2019	11.9.2019	50
14	Tolerance - Tolerating difference - A Myth or a reality	12.09.2019	12.09.2019	28
15	Celebration of Universal Brotherhood Day: Cultural Unity	4.10.2019	4.10.2019	40
16	Awareness Program on Environment Sensitization: Open Defecation	4.10.2019	4.10.2019	60
17	Being the voice of the voiceless - Animals too have rights	18.10.2019	18.10.2019	29
18	Uniting the Nation: Unity in Cultural Diversity	31.10.2019	31.10.2019	250
19	Human Rights - A Mirror to the Soul	01.11.2019	01.11.2019	40
20	Cultural Tribute to Sardar Vallabhai Patel: National Unity Day	02.11.2019	02.11.2019	50
21	Resurrection- Annual Cultural Fest	7.11.2019	8.11.2019	350

22	Celebration of Constitution Day	26.11.2019	26.11.2019	450
23	"Orange the World": Generation Equality Stands Against Rape!	29.11.2019	29.11.2019	200
24	70 Odd years and we still dont have right to Education,WHY?	29.11.2019	29.11.2019	30
25	Two Month -Mega Donation Progarm	02.12.2019	03.02.2020	25
26	Taking the Human Rights Temperature of your University	10.12.2019	10.12.2019	31
27	Music and Caroling on the Eve of Christmas	24.12.2019	24.12.2019	25
28	Cultural Celebrations on the occasion of Traditional Winter folk Lohri festival	13.01.2020	13.01.2020	50
29	Issues and Practices of Swachhata through different Performing Art Forms:Swacchta Pakhwada	16.01.2020	31.01.2020	280
30	The ladder of Torture - Claiming your Body from the Media	17.01.2020	17.01.2020	36
31	Observance of National Voters Day	24.01.2020	24.01.2020	200
32	Tribute to Country's Rich Cultural Heritage and Military Prowess:Republic Day Celebration	26.01.2020	26.01.2020	50
33	Cultural Meet at International Conference on Environment	31.01.2020	31.01.2020	50
34	Born Free Born Equal - We can make it happen	07.02.2020	07.02.2020	42
35	Workshop on One Week Awareness Program on Road Safety: Duty, Rights and Responsibility	12.02.2020	18.02.2020	15
36	Celebrating Multilingual Cultural Heritage: Matrabhasha Diwas	21.02.2020	21.02.2020	245
37	"Stay Strong China, We Are With You"- Special Prayer Meet for Coronavirus affected China	24.02.2020	24.02.2020	360
38	Observance Ram Navami	02.04.2020	02.04.2020	Awarness through Social Media Platforms
39	Workshop on Two weeks Yoga Training Program"	09.04.20	30.04.2020	20
40	Observance of Ambhedkar Jayanti	14.04.2020	14.04.2020	Awarness through Social Media Platforms
41	Observance of Eid-ul-Fitar	25.05.2020	25.05.2020	Awarness through Social Media Platforms
42	Workshop on One Week Celebration of World Environment Day	28.05.20	05.06.2020	20
43	International Yoga Day	15.06.2020	21.06.2020	350
44	Student Life Skills to survive and thrive during Covid -19: Social Responsibility	01.07.20	31.08.20	15
45	Observance of National Doctor's Day	01.07.2020	01.07.2020	Awarness through Social Media Platforms

46	Observance of Guru Purnima	05.07.2020	05.07.2020	Awarness through Social Media Platforms
47	Observance of Eid- Al Adha	01.08.2020	01.08.2020	Awarness through Social Media Platforms
48	Observance of Raksha Bandan	03.08.2020	03.08.2020	Awarness through Social Media Platforms
49	Observance of Birthday of Lord Krishna - Janmashtami Special	12.08.2020	12.08.2020	Awarness through Social Media Platforms
50	AAZADI 74- Independence Day Celebration	11.08.2020	11.08.2020	Awarness through Social Media Platforms
51	Fit India Freedom Run	15.08.2020	15.08.2020	Awarness through Social Media Platforms
52	Obervance of Ganesh Chaturthi	22.08.2020	22.08.2020	Awarness through Social Media Platforms
53	Observance of Onam	31.08.2020	31.08.2020	Awarness through Social Media Platforms
54	Observance of National Nutrition Week	02.09.2020	02.09.2020	Awarness through Social Media Platforms
55	Session on Student Code of Conduct by Registrar, MRIIRS	2.09.2020	2.09.2020	261
56	Session on Ethics of Using library resources	03.09.2020	03.09.2020	172
57		04.09.2020	04.09.2020	147
58	Celebration of Teacher's Day	05.09.2020	05.09.2020	15
59	Universal Human Values and Ethics (Student orientation Programme)	9.09.2020	9.09.2020	157
		10.09.2020	10.09.2020	153
		11.09.2020	11.09.2020	155
60	Observance of International Peace Day	21.09.2020	21.09.2020	Awarness through Social Media Platforms
61	Micro Training Session on Traffic Distancing- Doori Hai Zaroori A Nationwide Digital Campaign appealing for Traffic Distancing in association with NGO, Progarm Smart Progarm Safe	22.09.2020	22.09.2020	200

62	Micro Training Session on Traffic Distancing- Doori Hai Zaroori A Nationwide Digital Campaign appealing for Traffic Distancing in association with NGO, Drive Smart Drive Safe	26.09.2020	26.09.2020	175
63	One Week Program on Essence of Water: Jalsa"	01.10.20	07.10.20	30
64	Observing 150 years of Mahatma Gandhi	02.10.2020	02.10.2020	Awarness through Social Media Platforms
65	World Space Week	04.10.2020	04.10.2020	Awarness through Social Media Platforms
66	Celebrating our Air Pride- Observance on the ocassion of Indian Airforce Day	08.10.2020	08.10.2020	Awarness through Social Media Platforms
67	World Student Day	15.10.2020	15.10.2020	Awarness through Social Media Platforms
68	Ethical talk on "Managing Time and Targets" by BK Sonika Rajyoga Trainer IT Wing-RERF	17.07.2020	17.07.2020	45
69	Manch- Discussion Forum to celebrate Police Flag Day in association with Faridabad Police	24.10.2020	25.10.2020	80
70	Orientation Program for SPICMACAY-MANAV RACHNA FARIDABAD CHAPTER	24.10.2020	24.10.2020	Awarness through Social Media Platforms
71	Observance of Vigilance Week	27.10.2020	27.10.2020	Awarness through Social Media Platforms
72	Observance of Diwali	14.11.2020	14.11.2020	Awarness through Social Media Platforms
73	Observance of Constitution Day	26.11.2020	26.11.2020	Awarness through Social Media Platforms
74	Observance of Indian Armed Forces Flag Day	07.12.2020	07.12.2020	Awarness through Social Media Platforms
75	Observance of Vijay Diwas	16.12.2020	16.12.2020	Awarness through Social Media Platforms
76	Celebration of Christmas Day- Jingle Ball	24.12.2020	24.12.2020	10

Details of Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the Scheme	Organisation Unit/ Agency/ Collaborating Agency	Name of the activity	Number of teachers coordinated in such activities	Number of Students participated in such activities
Swacch Bharat Abhiyaan	Civil Engineering Department, MRIIRS	Construction of Toliet at Mohna Village	2	10
Awarness Programs During COVID-19	NSS unit of MRIIRS	Awarness Sessions, Awarness Programs via online mode in assocation with Red Cross Society, NSS	2	10
Donation Drive	Indian Red Cross Society	Covid Relief donation	2	100
Swacch Bharat Abhiyaan	NSS unit of MRIIRS	Swatchta Pakhwada	50	280
Ek Mutthi Daan, "No one Sleeps Hungry"	Dr. O.P Bhalla Foundation	Ek Mutthi Daan We donate dry grains to the needy NGOs to support and feed the poor	20	500
Gender Equity	Women and Gender Sensitization Committee, MRIU	Workshop on Gender Sensitization and Equity - Moving towards a New World	2	80
Gender Equity	Women and Gender Sensitization Committee, MRIU	Awareness Talk on Breaking Gender Barriers - A New Way Forward	2	102
Gender Equity	Women and Gender Sensitization Committee, MRIU	Group Discussion on the importance of Gender Sensitization & Equity for All	2	40
Gender Equity	Women and Gender Sensitization Committee, MRIU	Workshop on Changing Gender Roles - A Society in Transition	2	22

Gender Equity	Women and Gender Sensitization Committee, MRIU	Training Workshop on Women Safety	2	40
Gender Equity	Women and Gender Sensitization Committee, MRIU	Group Discussion on Women's Rights & Gender Equality	2	32
Swacch Bharat Abhiyaan	Dr. O.P Bhalla Foundation	Swacch Bharat Abhiyaan	10	18
Education Support	Dr. O.P Bhalla Foundation	Free Employability Skill classes-Mohna Community Center	10	26
Education Support	Dr. O.P Bhalla Foundation	Support and Remedial Classes-Mohna Government Girls School	8	18
Blood Donation	Rotary Club and Red Cross Society	Mega Blood Donation camps are organised every year	24	586
Hygiene program	Dr. O.P Bhalla Foundation	Donation of Sanitary Napkin	2	10
Donation Drive	Under Unnat Bharat Abhiyan (UBA) and O.P Bhalla Foundation	Sets of woolen clothes comprising of Jackets, Shirts, Pants, socks etc were distributed. to the students of Goverment schools of adopted villages.	2	4
Education Support	Under Unnat Bharat Abhiyan (UBA) and O.P Bhalla Foundation	Reference books for all the classes were distributed to the students of Governmet schools of adopted villages.	2	4
Saathi App	Dr. O.P Bhalla Foundation	Free psychological counselling is being provided over call	5	10
Health Camp	Dr. O.P Bhalla Foundation and Department of Nutrition & Dietetics and Physiotheraphy	Camp at Ashanand school	2	10
Health Camp	Dr. O.P Bhalla Foundation and Department of Nutrition & Dietetics and Physiotheraphy	Camp at Greenfield colony	2	10
Health Camp	Dr. O.P Bhalla Foundation and Department of Nutrition & Dietetics and Physiotheraphy	Camp at Anangpur Village,Harijan Choupal	2	10
Health Camp	Dr. O.P Bhalla Foundation and	Camp Shidh Naryan anagpur	2	10

	Department of Nutrition & Dietetics and Physiotheraphy			
Health Camp	Dr. O.P Bhalla Foundation and Department of Nutrition & Dietetics and Physiotheraphy	Camp at Sree ram model school,dakshta foundation	2	10
Health Camp	Dr. O.P Bhalla Foundation and Department of Nutrition & Dietetics and Physiotheraphy	Camp at Laxmi Naryan Mandir	2	10
Health Camp	Dr. O.P Bhalla Foundation and Department of Nutrition & Dietetics and Physiotheraphy	Camp at AP SENIOR seconadary school	2	10
Hygiene program	WARM NGO and Dr. OP Bhalla Foundation	Women health & Hygiene drive		15
Health Camp	Public Health Dentistry department	Dental Camp at Anganwadi Anangpur. Code 617	2	6
Health camps	Public Health Dentistry department	Dental Camp at Anganwadi Anangpur. Code 606	2	7
Health Camp	Public Health Dentistry department	Dental Camp at Panhera village	2	6
Health Camp	Public Health Dentistry and Dr. OP Bhalla Foundation	Dental Camp at Heerapur village	2	7
Health Camp	Public Health Dentistry department	Dental Camp at Arya Public School	2	6
Health Camp	Public Health Dentistry department	Dental Camp at Earth Saviour Foundation	2	6
Health Camp	Public Health Dentistry department	Dental Camp at Supreme Court of India	2	6
Health Camp	Public Health Dentistry department	Dental camp at Rahgiri NIT-5	2	7
Health Camp	Public Health	Denatl Camp at DDA Park Lal	2	6

	Dentistry department	Kuan		
Health Camp	Public Health Dentistry department	Consultancy treatment camp was organized at Govt. middle school Budhena with Rotary club green Faridabad	2	6
Health Camp	Public Health Dentistry department	Consultancy Camp conducted at Modern School, Vasant Vihar with Rotary Club Midwest Delhi	2	6

FINANCIAL STATEMENTS

Total Income & Expenditure at University Level for the Financial Year 2019-2020

Total Income (in Rs.)				Actual Expenditure (in Rs.)		
Fees	Govt.	Grants	Other Sources (Specific)	Recurring Including Salaries	Non Recurring	Special Project- Any other
979,767,365	3,474,986	22,737,547	98,928,071	979,608,500	309,259,286	---

Head wise Expenditure under PLAN and NON PLAN Scheme

Item	2019-20 (Rs. in Lacs)	
	Budget	Expenses
Infrastructural Built Up	*561.50*	2,742.67
Library	*95.00*	70.39
Laboratory Equipment (M&E)	*181.11*	327.21
Software	*20.00*	10.51
Laboratory Consumable	*38.20*	37.12
Teaching & Non Teaching Salary	*4,230.57*	4,118.17
Maintenance and Spares	*1,061.17*	981.63
R&D	*213.78*	172.36
Training & Travel	*200.00*	148.39
Other expenses including Finance Charges	*4,059.06*	3,967.05
Visiting Faculties & knowledge partners	*360.00*	313.19
Total Amount (in Rupees)	11,020.39	12,888.68

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