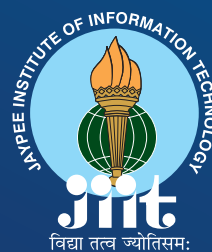


ANNUAL REPORT 2020-21



JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

(Declared as Deemed to be University Under Section 3 of UGC Act, 1956)

CONTENTS

Basic Information in Brief	1
Message from Pro-Chancellor	2
Introduction	3 - 4
Governance	5 - 8
Infrastructure Details	9
Academic Profile	10 - 20
Academic Departments	21 - 101
Jaypee Business School	102 - 107
Faculty Publications	108 - 136
Centres (Library & IT)	137 - 145
Ongoing Projects	146
International Linkages	147
Academic Administration	148-150
Jaypee Youth Club (JYC)	151 - 170
Events Organized	170 - 172
Training & Placement	173 - 183
Financial Status	183

APPENDICES

A. Details of Infrastructure	184 - 187
B. List of Faculty	188 - 200
C. Financial Report	201 - 204

BASIC INFORMATION IN BRIEF



Name : Jaypee Institute of Information Technology, Noida
(Declared as Deemed to be University u/s 3 of the UGC Act, 1956)

Year of Establishment : August 2001

Status : Deemed to be University, with effect from 01 Nov 2004

Location : A-10, Sector-62, Noida

Pin code : 201309

District : Gautam Budha Nagar

State : Uttar Pradesh

Officers of the Institute

Pro Chancellor : **Prof. S.C. Saxena**

Vice Chancellor : **Prof. Y.R. Sood**

Registrar : **Col Sharad Rastogi (Retd)**

Finance Officer : **Sh. S.B. Pant**

Tele/Fax/Website

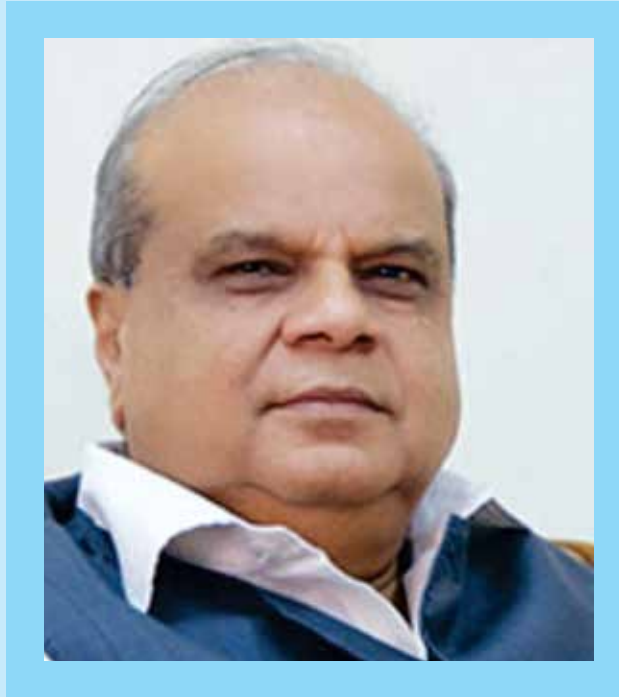
Vice Chancellor : (O) 0120-2594104
(R) 0120-2594419

Registrar : (O) 0120-2400907
0120-2700973-976 Ext-600
(R) 0120-4103020

EPBAX : 0120-2400973-976, 0120-2594200

Fax : 0120-2400986

Website : www.jiit.ac.in

MESSAGE FROM PRO-CHANCELLOR

I am pleased to present the Annual Report for the Academic Year 2020-21 for Jaypee Institute of Information Technology, Noida. I would like to mention that we had an excellent placement record for the passing out batch and a successful admission cycle for the academic year.

The impact of the COVID-19 pandemic brought a transcendental change in the manner of conduct and delivery of teaching-learning. The Institute saw the challenges as opportunities, ensured continuity in the teaching-learning process and completion of all the activities in online/blended mode using ICT platforms. It was a period of positive development for the University.

The University reviewed and reorganised its academic structures with an aim of ensuring excellence and further enhancing our teaching and research capabilities. It was a matter of satisfaction to see how our teaching faculty and staff utilized their education and experiences to realise the dreams of their students.

There was active participation and contribution by our faculty members in the various academic, research, sports, co-curricular activities. The faculty members along with our Research Scholars published their research articles in reputed national and international journals.

We have honestly presented the vibrant academic and research environment existing in the University highlighting the research projects, research publications, participation in international/national seminars and workshops, enhanced repository of the library, special achievements including awards and honours, the notable contributions by the faculty members and achievements of the students.

I would like to thank our staff, students and parents for their ongoing support, involvement and commitment that ensured our success during the difficult period of the pandemic.

I look forward to building on our traditions and significant achievements of the past year and to the continuing support of our dedicated staff members and talented students to achieve their full potential.

The impact of COVID-19 will continue to be felt in the future, but we will continue to embrace a teaching-learning model that will provide the optimum benefit to our students. I am sure that with active participation from you all, we will enhance the stature of JIIT as an institution imparting quality education.

Prof Suresh Chandra Saxena
Pro-Chancellor

INTRODUCTION

Genesis

Transforming challenges into opportunities has been the hallmark of the Jaypee Group ever since its inception five decades ago. The Group is a diversified infrastructure conglomerate with business interests in Engineering & Construction, Cement, Power, Real Estate, Expressways, Fertilizer, Hospitality, Healthcare, Sports, Information Technology and Education (not-for-profit).

With the thought of using technology and management effectively, the visionary founder of the Jaiprakash Sewa Sansthan (JSS), Shri Jaiprakash Gaur set up four higher technical institutes to host the best of faculty, students and educational infrastructure to ensure creation, generation, dissemination and application of knowledge to mould the world leaders of tomorrow.

Jaypee Institute of Information Technology (JIIT) was the first amongst four Institutes of higher technical education, raised by the JSS and was established in 2001.

Satisfied with the highest standards of professional education, supporting infrastructure and based on recommendation of AICTE and UGC, the Ministry of Human Resource Development (MHRD), accorded it the status of “Deemed University” in 2004.

About Jaiprakash Sewa Sansthan (JSS)

The Group has always believed in “growth with a humane face” and to fulfill its obligations it has set up JSS, a ‘not-for-profit’ Trust which primarily serves the objectives of socio-economic development, reducing the pain and distress in society.

For over 5 decades now, Jaypee Group has supported the socio-economic development of the local environment in which it operates and ensures that the economically and educationally challenged strata around the work surroundings are also benefited from the Group’s growth by providing education, medical and other facilities for local development.

The Group also undertakes Comprehensive Rural Development Programme (CRDP) which covers a wide range of projects such as free medical camps, health check-ups for village school children, literacy campaigns like Balwadis for young boys and girls, safe drinking water supply, creating huge water reservoirs in different villages, self employment which includes tailoring classes for women and animal husbandry. Some other important activities undertaken include the renovation of old temples, other schools and hospital buildings in the adjoining adopted villages.

JSS has translated its social responsibility into reality by building up schools and training institutes that cater to the needs of providing quality education to the rural masses. The trust also helps in times of natural catastrophe to reach the affected communities in distress.

Location

JIIT is situated near the Electronic City at Noida along Delhi Meerut Expressway, at a distance of 4 Kms from New Delhi-U.P. border in the area meant for educational Institutions as provided for by the Noida Authority.



Shri Jaiprakash Gaur,
Founder Jaypee Group & First Chancellor of JIIT

VISION

To become a Center of Excellence in the field of IT & related emerging areas in education, training and research comparable to the best in the world for producing professionals who shall be leaders in innovation, entrepreneurship, creativity and management.

MISSION

- ◆ To develop as a benchmark University in emerging technologies;
- ◆ To provide state- of- the- art teaching, learning process and R&D environment; and
- ◆ To harness human capital for sustainable competitive edge and social relevance.

OBJECTIVES

The objectives of the Institute as listed in the Revised Memorandum of Association are:

- ◆ To provide for instruction and training in such branches of learning as it may deem fit;
- ◆ To provide for research and for the advancement of and dissemination of knowledge;
- ◆ To undertake extra mural studies, extension programs and outreach activities that contribute to the development of society; and
- ◆ To do all such other acts and things as may be necessary or desirable to further the objects of the Institute.

GOVERNANCE

Board of Management

As per Regulations of the Institute, the responsibility for the general superintendence, direction and control of the affairs of the Institute is vested with the Board of Management. The composition of the Board of Management is as follows:

1. **Vice-Chancellor.....Chairperson**
Prof. Y.R. Sood
2. **Maximum of four nominees of sponsoring Society/Trust/Company**
 - (i) Sh. Sunil Kumar Sharma
 - (ii) Sh. Suren Jain
 - (iii) Sh. Alok Gaur
3. **One eminent academic nominated by the Central government in consultation with UGC**
MHRD Nominee – nomination awaited
4. **Deans of Faculties not exceeding two (by rotation, based on seniority)**
 - (i) Prof. Hari Om Gupta, Director, Sector-128 campus
 - (ii) Prof. Renu Luthra, Vice Provost
 - (iii) Prof. D K Rai, Dean (A&R)
5. **Three Eminent Academicians as nominated by the Chancellor**
 - (i) Dr. D.P. Agrawal, Ex-Chairman, UPSC
 - (ii) Prof. Gautam Barua, Director IIIT Guwahati & Ex-Director, IIT Guwahati.
 - (iii) Dr. Satish Kumar, Ex-Director, NIT Kurukshetra,
6. **Two Teachers (from Professors, Associate Professors) by rotation based on seniority**
 - (i) Prof. Vikas Saxena, HoD-CSE
 - (ii) Prof. Shweta Srivastava, HoD-ECE
7. **The Registrar, Secretary**
Col Sharad Rastogi (Retd)
8. **Permanent Invitees**
 - (i) Sh. Jaiprakash Gaur Ji, Founder Chairman and First Chancellor of JIIT
 - (ii) Sh. Manoj Gaur Ji, Chancellor
 - (iii) Prof. S.C. Saxena, Pro-Chancellor
 - (iv) Sh. Anand Bordia, Former member – Finance, NHAI, Secretary WCO, and Secretary, HCI London
9. **Special Invitees**
 - (i) Brig Sanjay Dawar (Retd), Head T&P
 - (ii) Sh. S.B. Pant (CFO)

The Board carries out its tasks and functions through statutory committees, which have been specified in the Regulations of the Institute.

Academic Council

The Academic Council is the premier and august body of scholars, which decides and monitors the implementation of Academic policies and profile of the Institute. The powers and functions of the Council are defined in the Regulations of the Institute. Amongst other major functions, the Academic Council controls and approves the courses in various curricula, defines the thrust areas, objectives and constantly reviews the activities of the Departments to ensure improvements in standards.

The Composition of the Academic Council is listed as below:

1. The Vice Chancellor – Chairperson

Prof. Yog Raj Sood

2. Director(s) / Dean(s) of Faculties

(i) Prof. Hari Om Gupta, Director Sector 128

(ii) Prof. Renu Luthra, Vice-Provost

(iii) Prof D K Rai, Dean (A&R)

(iv) Prof. Alka Sharma, Dean (HSS)

(v) Prof. Pammi Gauba, Dean (IA&SP)

3. Head of the Departments

(i) Prof. S C Katyal

(ii) Prof. Alka Tripathi

(iii) Prof. Shweta Srivastava

(iv) Prof Vikas Saxena

4. All Professors other than the Heads of Departments

S. No	Employee Name	Dept	S. No	Employee Name	Dept
i	Prof. Rajiv Saxena	Adjunct Prof	xiii	Prof. R.K. Misra	JBS
ii	Prof. Indira P Sarethy	Biotech	xiv	Prof. R.C. Mittal	Maths
iii	Prof. Neeraj Wadhwa	Biotech	xv	Prof. A.K. Aggarwal	Maths
iv	Prof. Reema Gabrani	Biotech	xvi	Prof. B.P. Chamola	Maths
v	Prof. S. Krishna Sundari	Biotech	xvii	Prof. Lokendra Kumar	Maths
vi	Prof. Sudha Srivastava	Biotech	xviii	Prof. Anirban Pathak	PMSE
vii	Prof. Sujata Mohanty	Biotech	xix	Prof. N.K. Sharma	PMSE
viii	Prof. Vibha Rani	Biotech	xx	Prof. R.K Dwivedi	PMSE
ix	Prof. Rachana	Biotech	xxi	Prof. S.P. Purohit	PMSE
x	Prof. Krishna Asawa	CSE/IT	xxii	Prof. Navendu Goswami	PMSE
xi	Prof. Sandeep Kr Singh	CSE/IT	xxiii	Prof. Papia Chowdhury	PMSE
xii	Prof. Satish Chandra	CSE/IT			

5. **Two Associate Professors from the Departments other than the Heads of the Departments by rotation of seniority**
 - (i) Dr. Vijay Khare
 - (ii) Dr. Chetna Gupta
6. **Two Assistant Professors from the Departments by rotation of seniority**
 - (i) Dr. Yogesh Gupta
 - (ii) Dr. Prashant Kumar Chauhan
7. **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, nominated by the Vice-Chancellor**
 - (i) Prof. Manoj Mishra, IIT Roorkee.
 - (ii) Shri Subhash Verma, Managing Director & Vice President Engineering
 - (iii) Prof. Brahmjeet Singh, NIT, Kurukshetra
 - (iv) Dr. Arup Kumar Das, Ericsson India Global
 - (v) Shri Ranjit Sinha, Independent Industry Expert
8. **Three persons who are not members of the teaching staff, co-opted by the Academic Council for their specialized knowledge**
 - (i) Brig Sanjay Dawar (Retd) – Head Placements & Dean Students Welfare
 - (ii) Shri SB Pant - CFO
9. **The Registrar, who shall be the Secretary of the Academic Council (Ex-officio)**
Col Sharad Rastogi (Retd)
10. **Permanent Invitee**
Prof. S.C. Saxena, Pro- Chancellor
11. **Special Invitee**
Mr. Mihir Kumar Jha

Planning and Monitoring Board

1. **The Vice Chancellor - Chairperson**
Prof. Y.R. Sood
2. **One Nominee of UGC**
Prof. K.P. Singh (Letter ref No 1-2/2016(CPP-I/DU, dated 8th February, 2019)
Professor – Emeritus
Department of Electronics Engineering
Institute of Technology
Banaras Hindu University
Varanasi-221005

3. Eight Internal members

- (i) Prof. Hari Om Gupta
- (ii) Prof. Renu Luthra
- (iii) Prof. D K Rai
- (iv) Prof. Alka Sharma
- (v) Prof. Shweta Srivastava
- (vi) Prof. Amrish Kumar Agarwal
- (vii) Prof. Vikas Saxena
- (viii) Brig. Sanjay Dawar (Retd)

4. Three Outside Experts

- (i) Prof. Vinod Kumar, VC, JUIT, Wagnaghat
- (ii) Prof. Rajiv Saxena, VC, JU Anoopshahr
- (iii) Prof. P K Jain, IIT (BHU), Varanasi

5. Registrar.....Secretary

Col Sharad Rastogi (Retd)

6. Permanent Invitee

Prof. S.C. Saxena, Pro- Chancellor

7. Special Invitees

- (i) Sh. S.B. Pant
- (ii) Sh. S. Moondra
- (iii) Sh. Mihir Kumar Jha

Finance Committee

1. Vice Chancellor - Chairperson

Prof Yog Raj Sood

2. A person nominated by the Society/Trust/Company

Sh. S. D. Nailwal

Director, Finance, Jaiprakash Associates Limited, Sector-128

3. Two nominees of the Board of Management, one of whom shall be member of the Board

Sh. Sunil Kumar Sharma

Executive Vice Chairman, Jaypee Group of Companies

Prof. Hari Om Gupta

Director, JIIT, Sector-128 Campus

4. A representative of the Central Government

.....Nomination awaited

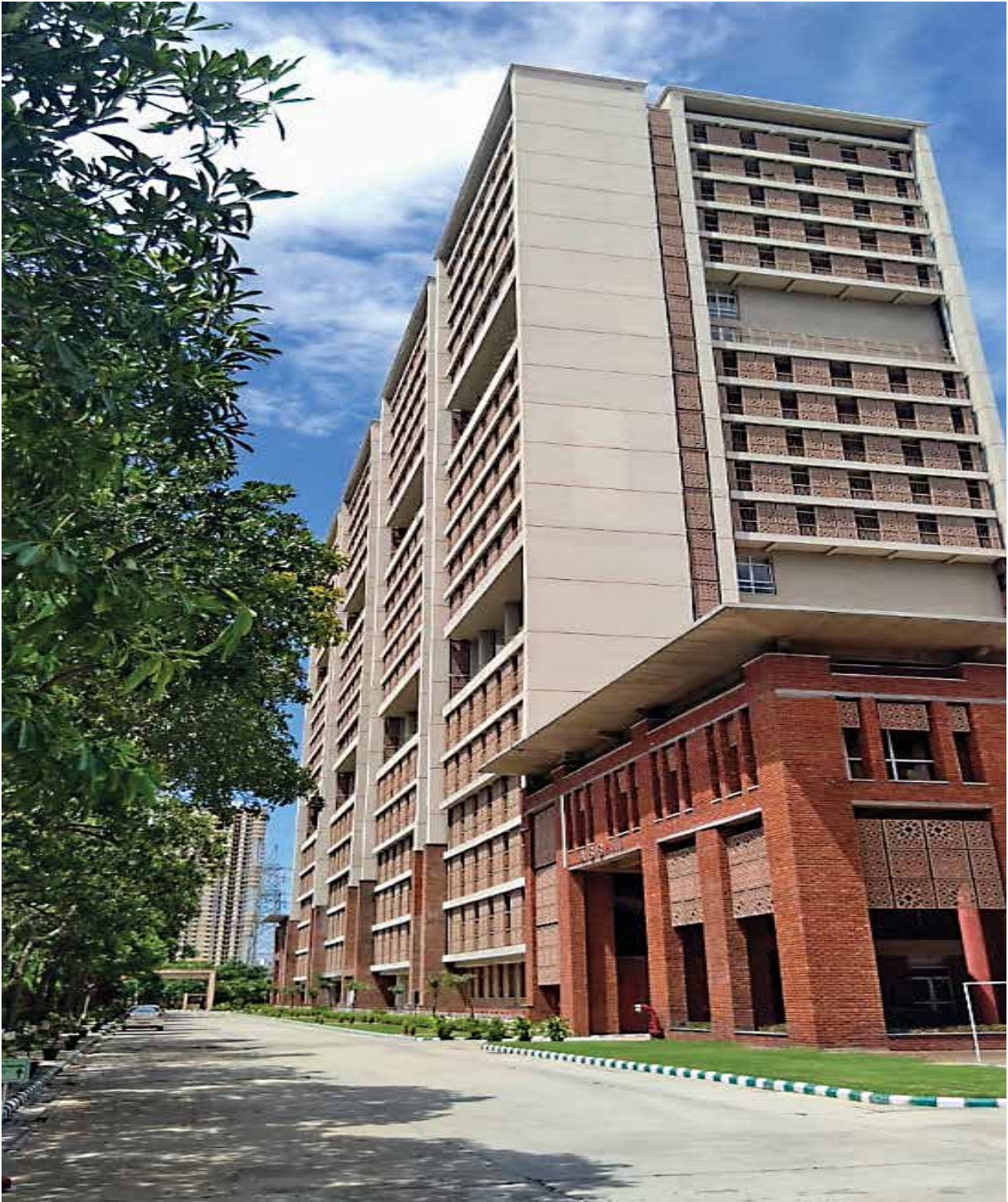
5. Permanent Invitee

Prof. S.C. Saxena, Pro- Chancellor

6. Finance Officer.....Secretary

Sh. S.B. Pant

INFRASTRUCTURE DETAILS



JIT has been developed as modern world Class University having campuses at Sector-62 and Sector-128, with intellectually vibrant ambience in a serene and lush green environment. The state-of-the-art campuses comprise smart buildings with Internet, with Wi-Fi connectivity, including environmentally conditioned Academic Blocks, Annapurna (Mess), well-equipped modern laboratories and Learning Resource Centres. Student residence provides a pleasant and intellectually stimulating ambience for the students in an eco-friendly environment. The details of the Infrastructure and available facilities are attached in **Appendix-A**.

ACADEMIC PROFILE

The Academic Philosophy

Teaching

- ◆ Student centric learning;
- ◆ Encouragement to self learning;
- ◆ Periodic Review of Curricula to keep pace with changing technology;
- ◆ Regular updating of Electives in the Curricula;
- ◆ Emphasis on project, design and Laboratory skills;
- ◆ Emphasis on creativity & innovation skills;
- ◆ Development of Communication Skills and Leadership quality;
- ◆ Emphasis on fundamentals, concept understanding and analytical & problem solving skills;
- ◆ Enhancement of scientific reasoning ability;
- ◆ Integration of human values and professionalism.

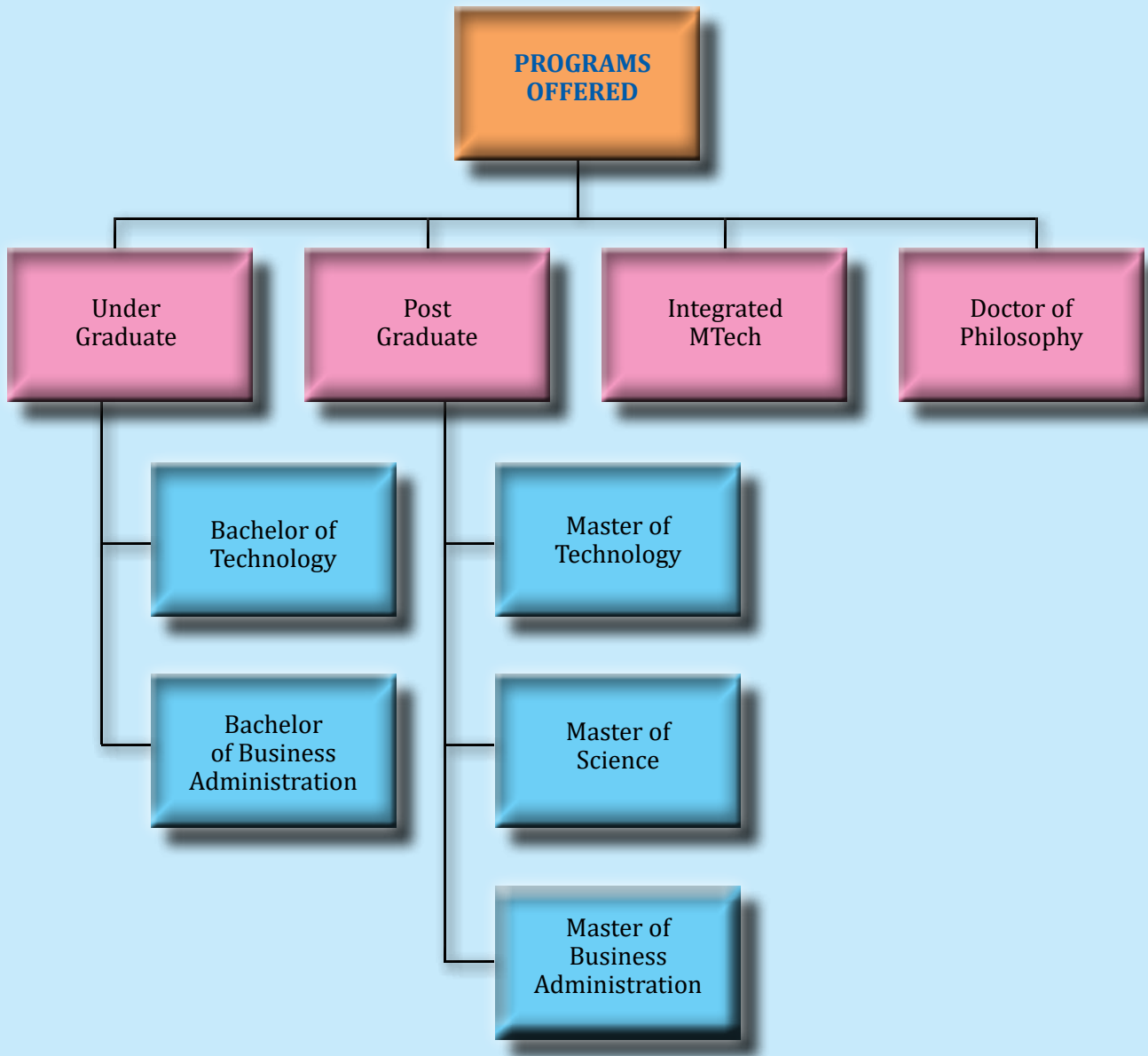
Research

- ◆ Research from undergraduate level;
- ◆ Faculty promotions based on R&D output;
- ◆ Emphasis on individual as well as group research;
- ◆ Undertaking project work in collaboration with the Industry.

Education System

- ◆ At JIIT, special emphasis has been placed on developing an environment highly conducive to building of a solid foundation of knowledge, personality development, confidence building, pursuit of excellence, self-discipline and enhancement of creativity through motivation and drive, which helps to produce professionals who are well trained for the rigors of professional and social life. Students are encouraged to make life outside the classroom vibrant and enjoyable by engaging themselves in multiple extracurricular areas. Creativity, competition, distinction, establishing relationships with fellow students and others in the community and ultimately enhancing the value of their educational experience, is at the heart of all extracurricular activities.
- ◆ The academic year consists of basically two semesters for Engineering & Humanities faculty and three trimesters for Business School students. The education system is organized around credit system which ensures continuous evaluation of student's performance and provides flexibility to choose courses of interest and to progress at an optimum pace suited to student's ability or convenience. Each course is assigned certain number of credits depending upon the class contact hours. A specified number of credits and CGPA are to be completed satisfactorily in order to qualify for a degree. The medium of instruction is English.

PROGRAMS OFFERED



Under Graduate Programs

The UG programs of study emphasize strong conceptual understanding and practical skills in their respective areas of specialization. All students are provided with a sound foundation in the basic sciences (Maths and Physics), coupled with courses in Humanities and Social Sciences.

The academic system lays great emphasis on continuous evaluation and transparency. By means of well designed tutorials and practicals, every effort is made to reinforce the concepts taught in the classroom. In the final year, major projects are assigned to students.

Industry internship after the 6th semester is an integral part of the academic program leading to the overall development of a student through exposure to practical skills in real life situations.

Education Methodology comprises multiple learning stages, specifically lectures, self-study, tutorials, lab work, assignments, projects, research, internships, guest lectures, seminars, continuous evaluation, examinations and personality development programs.

JIIT offers the following Under Graduate Programs:

- 4 Years Bachelor of Technology (BTech)
- 3 Years Bachelor of Business Administration (BBA)

Bachelor of Technology (BTech) Programs – Four Years

(i) B.Tech (Biotechnology)

The B. Tech (Biotechnology) Program aims to empower students with technical and analytical acumen, opening avenues for multidisciplinary interests in industry, education, research, and/or management. Research-driven education, an important pillar of our institute, is brought to justice by the department's well-designed curriculum, that provides students with a platform to gain hands-on experience through laboratory and project based learning, improving the understanding of theoretical knowledge. Departmental list of core courses includes Biochemistry, Environmental Studies, Thermodynamics, Immunology, Microbiology, Fermentation & Downstream Processing, Bioinformatics, Comparative & Functional Genomics, Cell Culture Technology, Genetics & Developmental Biology, Molecular Biology and Genetic Engineering, with an interdisciplinary touch from other departments in the institute. Students have the power to cater to their interests by picking their own specialized electives and value added courses like Stress Biology, Nanoscience in Food Technology, Mushroom Biology, Market Research in Biosciences, Intellectual Property Rights and Bioethics, etc.

(ii) B. Tech (Computer Science & Engineering)

This is the most popular and largest program of the institute. Through this program, the department trains students in all dimensions of computing- theory, systems, and applications. The revised curriculum has introduced a novel concept of flexi-core from the fifth semester onwards. There are 3 such flexi-core courses. In addition, our highly flexible curriculum includes 16 slots for elective courses by different departments, starting from the 3rd semester itself. Core courses are in the area of programming, algorithms, architecture, operating systems, embedded systems, compiler design, computational theory, networks. Two common first year courses cater to the generic computing needs of all departments. The program offers the option of earning an additional minor certificates in other areas.

(iii) B. Tech (Information Technology)

The curriculum marginally differs from B.Tech (CSE) curriculum. The curriculum of B.Tech (IT) places a higher emphasis on contemporary applications and technologies such as cloud computing, mobile computing, IoT, web technologies, and data mining, etc. The program offers the option of earning an additional minor certificate in other areas.

(iv) B.Tech (Electronics & Communication Engineering)

To keep pace with the rapidly evolving electronics industry requires unwavering passion and urge to innovate. This, precisely, is what the Electronics and Communication Engineering (ECE) Department at JIIT is about. Electronics and Communication Engineering discipline spans a diverse set of intellectual subfields and applications. The subfields can be grouped into overlapping and interrelated areas like Signal and Image Processing, Semiconductor Device Design, Communication Systems, Data Communication Networks, Microwave and Antenna Design, Internet of Things, Wireless Communication, Microelectronics, Embedded Systems, VLSI Design, and many more.

Options to take many elective subjects provide a wonderful opportunity to the students to gain further specialization in varied domains of ECE. Students are also offered a number of courses in Computer Science and Engineering to meet the requirements of academics as well as industry. They shall undertake courses in Basic Sciences, Mathematics, Basic Engineering as well as a part of the curriculum. The program is fully supported by excellent laboratories for all the core courses like Electrical Science, Communication systems, Digital Electronics, VLSI, Electromagnetics, signal processing etc. And some advanced laboratories such as Machine learning lab, IoT Lab., Embedded and Robotics lab under E-yantra sponsored by MHRD. These labs are equipped with state of the art instruments and software tools to enable students to perform, fabrication and testing of their experiments and projects.

Bachelor of Business Administration (BBA) Program – Three Years

Bachelor of Business Administration (BBA) Programme

The 3-year full time BBA curriculum is imaginative and flexible and is comprised of creative combinations of disciplines of study. Innovative and stimulating pedagogical practices stimulate the students' learning experience. The curriculum incorporates Digital transformation technology to equip students with skills in new and emerging areas of management. The BBA program aims at developing in the students a set of broad-based competencies, an understanding of the social and human context and instill in them strong ethical values.

The curriculum of this 3-year undergraduate BBA program is designed with the options of specialization in Finance, marketing, HR, Information Technology, Family Business & Entrepreneurship, Healthcare Management and Business Analytics. The curriculum is spread over six semesters with each semester having sixteen weeks that includes teaching and evaluation. Last two semesters of the program have provision for choice of discipline specific electives for specialization.

2020-23 Batch

The second batch of 151 students joined the programme. The students were selected based on the merit list prepared for shortlisting the students. The batch comprises of the mix of students from various streams of study pursued by them in 12th standard. Three sections were created so that individualized attention can be given to students especially when conducting classes in online mode.

2019-22 Batch

The First batch of BBA program has 67 students. These students were promoted to second year due the covid-2019 pandemic. The online classes began from August 2020 onwards with 60% subjects in both the odd and even semester subjects to help reduce the screen time and digital stress.

Integrated M.Tech Programs

(i) 5 Year Integrated Program M. Tech (Biotechnology)

The department also offers a rigorous five-year dual degree program with integrated B.Tech and M. Tech curricula, extending the list of specialized core and elective courses with Biomolecules and Cell Communication, Nanobiotechnology, Phytotherapeutics and Pharmacology, Regulatory Affairs, Drug Delivery, Genomics & Society, Biostatistics, Product Development in Biotechnology, Experimental models in Research and Molecular Diagnostics. Students have an option to undertake industrial project in the final semester or do in-house M. Tech Dissertation as a continuation of their B. Tech project work. Students are encouraged and provided opportunities to work on research based projects yielding publications in journals of International and National repute.

(ii) 5 Year Integrated Program M. Tech (Computer Science and Engineering)

Since 2008, the students are being admitted in this program. The program exposes the students to various areas of computer science engineering such as algorithms, computer systems, software engineering, machine learning, distributed systems, performance modelling, multimedia computing, etc., leading to an integrated B.Tech- M.Tech degree in computer science engineering. The program lays emphasis on student projects and research.

(iii) 5 Year Integrated Program M. Tech (Electronics and Communication Engineering)

The integrated M.Tech program in Electronics and Communication Engineering is a specially designed program which includes courses of both B.Tech and M.Tech degrees in the discipline of Electronics and Communication Engineering and emphasizes on an in-depth understanding of several advanced and state-of-the-art courses in the area of Signal & Speech Processing and Coding, Wireless Communication, VLSI, System on Chip, Satellite Communication, Machine Learning, Microwave Engineering etc.

The integrated program provides the students with the opportunity to acquire comprehensive understanding in an area of their selected field through electives and individual projects. The laboratory courses offer practical exposure to them. The program prepares the students for research and development activities, industrial work as well as for higher studies.

Post Graduate Programs

JIT offers following Post Graduate Programs:

- 2 Years Master of Technology (MTech)
- 2 Years Master of Science (MSc)
- 2 Years Master of Business Administration (MBA)

Master of Technology (MTech) Programs – Two Years

(i) M. Tech (Biotechnology)

To address the needs of industry and academia, the M. Tech (Biotechnology) program offered by the department provides our students with research experience to support focused coursework in specific

sub-areas of biology, to help broaden their exposure to biology and prepare them for fields of teaching, consulting, etc. The M. Tech program in Biotechnology is designed to generate trained manpower in biotechnology, equipping our students with knowledge and hands-on skills in constantly advancing biotechnological areas, as diverse as Functional and Evolutionary Genomics, Proteomics, Drug Target Discovery, Nutraceuticals, Microbial biodiversity/bioremediation, Bioprocess Technology, Nano-Biotechnology, Biosensors, Product Development in Biotechnology, and Intellectual property rights (IPR) in Biotechnology. Strategically designed laboratory experiments and mandatory components of Project Based Learning, Seminar & Term Papers along with year-long research project(s) and industrial trainings, provides the students with necessary scientific and professional exposure to firm their grounds before stepping into their respective career directions.

(ii) M.Tech (ECE with specialization in Wireless Communication)

The programme will offer in-depth theoretical and practical knowledge of advanced communication systems (4G, 5G and beyond). Curricula and the courses of the programme are designed meticulously keeping in mind the demands of wireless and mobile industry. The specialization also covers advanced concepts of optical wireless communication, microwave and millimeter wave communication, 4G and 5G antenna technology, etc. along with basic telecommunication courses. The course is supported by well equipped laboratories.

(iii) M.Tech (ECE with specialization in Micro Electronic Systems and Internet of Things)

The programme is designed to provide electronics engineers with highly specialized knowledge and experience that they need to design, fabricate and test devices, circuits and systems at micro scale. The programme offers a set of courses that allow students to gain expertise in the areas that include back-end and front-end microelectronic designs such as processor and SoC design, chip design, etc. In addition, it introduces the basic IoT architectural overview, its design principles and needed capabilities and also concepts on real-world designs. The program curriculum is divided into theory, laboratory practice and projects. Keeping in view the market trends and demands, the core laboratories for VLSI design and simulation, Internet of Things, etc. are covered in the course.

(iv) M.Tech (ECE with specialization in Machine Learning and Signal Processing)

The programme is aimed at providing a deeper understanding of the mathematical, theoretical, practical, and application aspects of machine learning and signal processing and create professionals who are industry ready. The curriculum comprises of subjects like introduction to machine learning, advance signal processing, optimization techniques, statistical signal processing, image and video processing, advanced topics in machine learning, computer vision, biomedical signal processing, speech and audio processing, fuzzy logic etc. The program curriculum is divided into theory, laboratory practice and projects. Keeping in view the industry requirement, the process of transition from data storage to decision systems based on large database signals such as those obtained from sensor networks, internet services or communication systems is covered in the course.

(v) M. Tech (Computer Science & Engineering)

The programme provides advanced level education and research exposure in various areas of computing - Algorithms, Distributed Systems, Software Engineering, Machine Learning, Databases, Computer Networks, Computer Architecture, Information and Networks Security, etc. These advanced level courses and M. Tech dissertation lay the foundation for potential doctoral work in CSE.

(vi) M.Tech (CSE with Specialization in Data Analytics)

It is an interdisciplinary programme offered by department of CSE & IT and is designed to meet the huge manpower shortage in this area that has been well recognized as one of the fastest growing areas. All business and government organization working in commerce, policy, insurance, finance, economics, engineering, infrastructure, energy, health care, education, security, sports, media, culture, etc. are increasingly relying on computational tools and techniques of data analytics for taking informed decisions. This programme has been designed to develop the ability to apply and develop computational techniques and systems to draw insights from big data in a variety of application domains. The curriculum is designed to inform & enlighten the students about various aspects of data analytics including research design, data collection, preparation, analysis, integration, visualization, and interpretation. In addition to the CSE & IT department, the departments of mathematics and HSS also contribute courses for this programme. The core courses include statistical data analysis, data warehousing and data mining, pattern recognition and machine learning, large scale graph analytics, empirical research and laboratories. Students will also be offered several electives on theoretical, systemic, algorithmic, and applied aspects of data analytics.

(vii) M. Tech (CSE with Specialization in Information Technology and Entrepreneurship)

This is a joint programme by department of CSE & IT and Jaypee Business School. It is designed for IT background graduates who are interested in pursuing information technology centric entrepreneurship or taking leadership positions in innovative technology-based start ups and other organizations. The curriculum includes courses on information technology and entrepreneurship management. Second year of the programme is devoted to industrial internship and IT entrepreneurship project to develop an investor-ready business plan. Through this programme, the student will also network with successful 'role model' innovators, entrepreneurs, and enterprise development experts.

(viii) M.Tech (CSE with Specialization in Artificial Intelligence and Machine learning)

Artificial Intelligence (AI) has become the most demanding technology in today's fast emerging day to day work in our daily lives, offices, social media, healthcare, medicine, etc. There is a significant pressing need of researchers who can understand AI and build solutions for sustainable development. M.Tech. in CSE with specialization in AI and ML, a PG programme offered at JIIT, is developed with an objective to prepare the professionals to analyze, design and build AI and Machine Learning based solutions to solve challenging real-world problems. It will provide students in-depth core and electives courses that enrich them with traditional computer science courses as well as Artificial Intelligence and Machine Learning. After graduating, one will be able to undertake industry careers in different roles as Data Scientist, Machine Learning Engineer, AI Product Manager, Data Engineer, and Applied ML Scientist to further advance the research in AI and ML areas.

(ix) M.Tech (CSE with specialization in Internet of Things)

Today is an era of connected devices (mobile phones, computers etc.), connected things (home appliances, vehicles, lamp-posts, personal accessories, your pets, industrial equipment's etc.). Internet of Things (IoT) is one such recent technological advancement which is changing the way things work. M.Tech in CSE with specialization in IoT, a PG programme offered at JIIT, is a blend of core and elective courses which is especially designed for graduates to provide expertise in ideation, design, fabrication, calibration, characterization, interfacing, development, and deployment of IoT applications and systems. After graduating one will become competent in various areas including smart agriculture, transportation, environment monitoring, healthcare, smart wearable and industrial IoT systems etc.

Master of Science (MSc) Programs – Two Years

(i) M.Sc (Microbiology)

The Department of Biotechnology introduced M. Sc. in Microbiology course, in 2019. The offered M. Sc. program aims to build the scientific aptitude of students by providing them with knowledge and skills in the field of Microbiology. The course encompasses various booming fields within the domain, focusing on microbiology in medicine and pharmacy, agriculture, food and dairy industry, environmental and nanotechnology, emphasizing on the latest advances in the field. The course offers an optimum blend of theory, labs and dissertation/hands on project work, with the intention to open various avenues for our graduates, preparing them for diverse career opportunities in Hospitals, Diagnostics, Pharma and Biopharma R&D's, Clinical laboratories, Food Industry, Food Safety, and Quality Control, as well as in core biotechnology industries.

(ii) M.Sc (Environmental Biotechnology)

The Department of Biotechnology introduced M. Sc. in Environmental Biotechnology, in AY 2020-21. It is a broad area encompassing applications in various fields such as medicine, food, and environment. This program specifically focuses on the application of biotechnology-based processes for providing solutions to halt or arrest environmental damage. Emerging concerns regarding global environmental changes requires an urgent necessity to address the issues arising from pollution, climate change, damage to natural ecosystems and biodiversity, and food security. Biotechnology-based solutions can be a sustainable and eco-friendly approach for finding cost-effective measures. In contrast to available conventional technologies, biotechnology-based strategies for the environment can be very successfully implemented, keeping environmental laws and regulations in mind. The two-year M.Sc. Environmental Biotechnology will have courses pertaining to basics-to-application of existing and emerging biotechnological tools for the process development and reducing or mitigating the impact of environmental pollutants. An optimum blend of theory, labs and dissertation/hands on project work will prepare students for a career in industry, academia and entrepreneurship, both in public and private sectors.

(iii) M. Sc. (Mathematics)

The M.Sc. program in Mathematics is carefully designed to convey essential knowledge in Mathematics and to provide substantial opportunities for pursuing excellence in all major areas of pure and applied mathematics. The objective of this program is to develop mathematical attitude in students, nurture their interests towards mathematics and motivate them for research in mathematical sciences. After the completion of the course, the students would be well equipped to go to industries or to join academics.

(iv) M. Sc. (Physics)

The vision of Department of Physics and Materials Science and Engineering is to be a centre of excellence in teaching and research in Physics and Materials Science and Engineering. To accomplish this vision department of Physics and Materials and Engineering has started two years M.Sc. program in Physics with two specializations in Condensed Matter Physics and Applied Optics. The objectives of M.Sc. Physics program are to impart advanced theoretical and practical knowledge in the areas of physics and to provide training and expertise to achieve career goals in academics, research and related industry.

Master of Business Administration (MBA) Program – Two Years

The two-year full time MBA programme is the flagship programme of the business school. The MBA program train students to successfully manage, lead, organize and adapt in the changing business scenario. The program equips the students with practical skills as well as theoretical knowledge.

The curriculum is structured around semester system with four semesters in two years. In the first year, the students are offered the foundation courses in management and emerging areas of management and Information technology as compulsory courses. In the second year a student is required to complete elective courses from major and minor areas of specialization, along with few core courses of integrative nature. In addition to these courses, the students are required to complete their social and corporate internships.

2019-21 Batch:

Thirteenth batch of 60 students were selected through the rigorous admission process. The batch comprised of students from diverse academic background across all undergraduate programmes with balanced gender representation. Students registered themselves in this batch in first week of August 2020 and their second-year classes began after completing their corporate internship. The students chose the following specialization.

Major Specialization	No. of Students	Minor Specialization	No. of Students
Finance	16	Finance	00
Marketing	36	International Business	09
Human Resource Management	07	Business Analytics	25
		Marketing	10
		Operations	08
		Digital Marketing	07
Total	59	Total	59

2020-22 Batch:

Fourteenth batch of 55 students were selected through the rigorous admission process conducted during January – September 2020. During and after lockdown, the admission process was conducted in an online mode. The batch comprises of students from different academic background across all undergraduate programmes with balanced gender representation. Students registered themselves in this batch in last week of August, 2020 and their first semester started after two days long orientation programme from September 10, 2020.

Doctoral Programs (PhD)

The award of the PhD degree by the University is in recognition of high academic achievements demonstrated by independent research and application of knowledge to the solution of technical and scientific problems. Creative and productive inquiry is the basic requirement underlying research work. They may also be required to take part in some advanced level course work. The scholars are required to take up intensive research work under the guidance of a supervisor on a specific problem for a minimum of two to three years in this program. The research work is expected to result in new findings contributing to the knowledge advancement in the chosen field. The doctoral research program of JIIT gives an opportunity to students to demonstrate their analytical, innovative and independent thinking leading to creativity and application of knowledge. The scholars are required to deliver seminars on their research progress regularly and publish their work. Finally, they are required to submit the thesis embodying their research findings for the awarding of the Ph.D. degree.

(i) Biotechnology

The Department of Biotechnology admits students for PhDs in Biotechnology/Bioinformatics through entrance examination and a rigorous interview. The training for a Ph.D. from our department is focused on helping students achieve their goals of being successful research scientists and professors, at the

highest level. Students work closely with our established advisors with funding in form of grants from multiple government and private bodies. Doctoral students meet regularly with a committee of faculty members to facilitate their progress. National and international collaborations of our erudite faculty open avenues for our students on a global level. The department offers research exposure to students in basic sciences as well as applied translational research under two major thrust areas - Plant and Molecular Biology Group, and the Centre for Emerging Diseases. Specific research areas include, but are not limited to - Drug Discovery, Microbial Biotechnology, Natural Products Research, Plant and Molecular Biology, Bioinformatics, Systems Biology, Genetics and Genomics, Cardiovascular diseases, Viral Host Interactions, Structural biology, Nanobiotechnology, Biosensors, Novel Drug Delivery Systems, Bioprocess engineering and Food Biotechnology.

To assist during doctoral tenure, students are provided with competitive financial assistantships to cover expenses. In addition to institutional support, scholars also secure INSPIRE, DST-WOS, DBT-BIOCARE. Extramural funding is also generated from different funding agencies (DBT, DST, ICMR, AICTE and AYUSH) and industry partners for providing fellowship to scholars to undertake cutting edge research in the various thrust areas.

(ii) Computer Science and Engineering

Since 2008, the students are being admitted to this program. The program exposes the students to various areas of computer science engineering such as algorithms, computer systems, software engineering, machine learning, distributed systems, performance modeling, multimedia computing, etc., leading to an integrated B.Tech- M.Tech degree in computer science engineering. The program lays emphasis on student projects and research.

(iii) Electronics and Communication Engineering

The doctoral research programme gives an opportunity to students to demonstrate their analytical, innovative and independent thinking abilities leading to creativity and application of knowledge. This involves fulfilling specified course credit requirements and a thesis with critical account of the research work carried out in the chosen area.

(iv) Humanities and Social Sciences

The Department also offers Ph.D. programme in Economics, English, Psychology, Sociology, and other disciplines with an emphasis on inter-disciplinary topics. The Ph. D admissions are done twice every year. The students are required to do course work in their respective subjects. For the fulfilment of its teaching and research goals, the Department has competent faculty members with a high degree of excellence who keep pace with the current developments in their fields of specialization.

(v) Mathematics

The Department offers doctoral research program in the thrust areas of Fractals and Chaos, Mathematical Analysis; Numerical Analysis and Computational Continuum Mechanics; Statistics, Fuzzy Theory, Information Theory and Operations Research. The Department is involved in these emerging areas of Mathematics which are a good blend of pure and applied mathematics of contemporary importance.

(vi) Physics and Materials Science & Engineering

The doctoral (Ph.D.) program of the department is primarily focused upon the thrust areas of Advanced Materials and Devices, Photonics, Plasma and Quantum Computing. Currently, the major research

work is going on in the field of Nanoscience and Multifunctional Nanomaterials, Energy and Advanced Functional Materials, Atomic and Molecular Physics, Photonics and Plasmonics, Quantum Optics and Quantum Information, Optical Sensors, Vibrational Spectroscopy, Raman Spectroscopy, Solid State Ionics, Diluted Magnetic Semiconductors (Spintronics), Thermoelectric and Superconducting Materials and Laser Plasma Interaction.

The department has dedicated Materials synthesis and characterization laboratories equipped with teaching and research infrastructure for PG and Ph.D. students. Currently, 15 students are pursuing their Ph.D in various fields of research. In addition, faculty members of the Department mentor post-doctoral fellows. Presence of post-doctoral fellows and a good number of externally funded projects enhance the academic ambience of the Department. The Ph.D. students graduated from the Department have been successful in getting teaching positions in various universities and colleges in India, and abroad.

(vii) Management

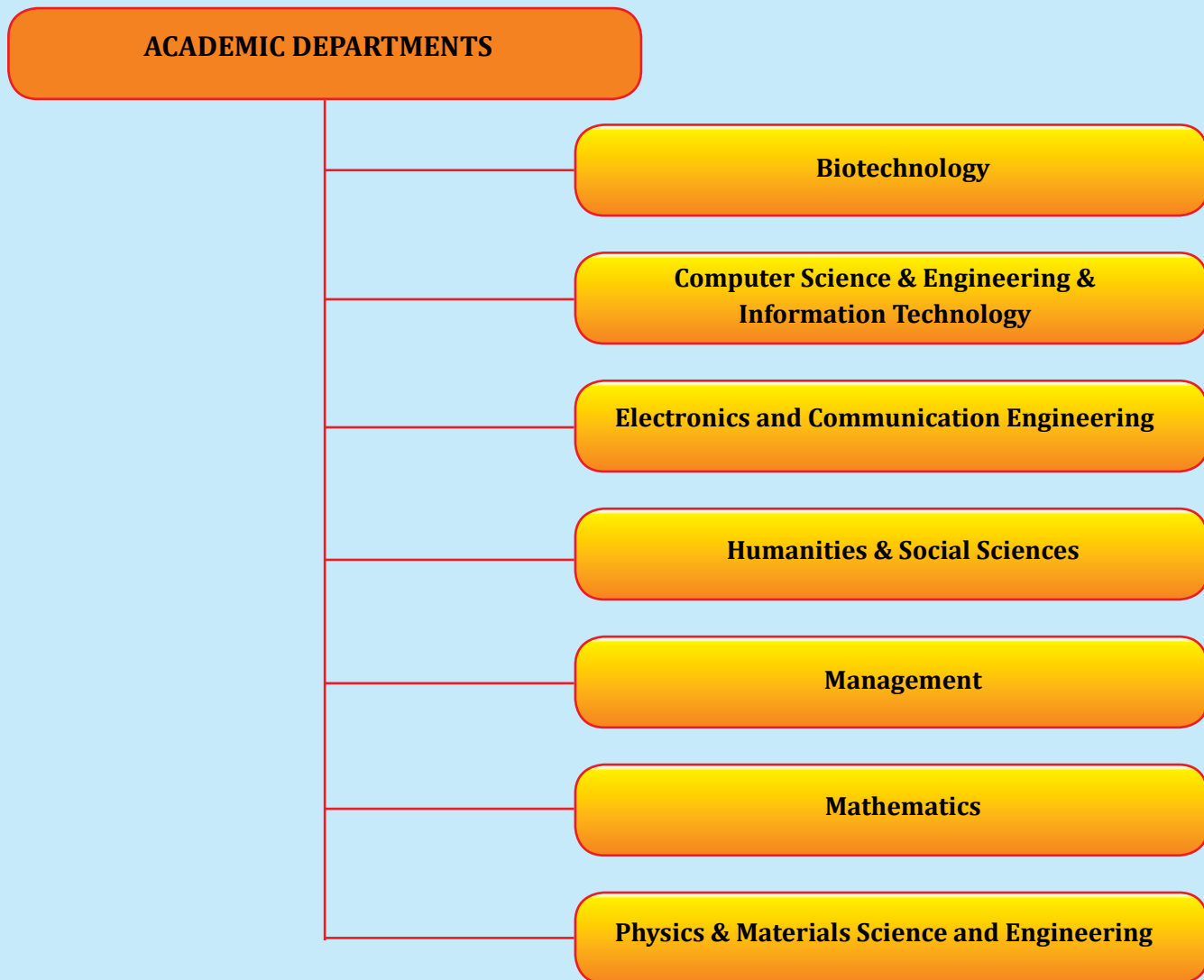
JBS offers Ph.D. programme in all functional areas of management. Admission to the Programme is through qualifying either NET / SLET / UGC / CSIR (JRF) or the admission test conducted by the university. Preference is given to the candidates who are willing to register full time, however limited number of candidates may be admitted on part time basis. Full time scholars are paid a Research Assistantship.

Each student registered for PhD is assigned a PhD supervisor from amongst the faculty member by respective Department Heads or Director of School, and in addition is also provided with a two-member Doctoral Progress Monitoring and Advisory Committee (DPMAC). The programme is quite rigorous as the scholars are expected to undertake stipulated course work and present their progress every 6 months in the Review Seminar before the DPMAC. The scholars are required to take up intensive research work under the guidance of a supervisor on a specific topic for a minimum period as specified in the Ph.D. Program Ordinance. Scholars are expected to secure a minimum of B+ grade in following compulsory courses offered in a trimester mode. Besides these compulsory courses DPMAC may recommend elective courses deemed necessary.

- Advanced Research Methodology
- Literature Survey&Seminar
- Ethics, Intellectual Property Issues and Plagiarism
- Quantitative Techniques & Software Applications
- Survey Development & Analysis

ACADEMIC DEPARTMENTS

All teaching & research programs at the University are carried out through the academic departments.



Department of Biotechnology

The Established in 2002, Jaypee Institute of Information Technology’s Department of Biotechnology stands firm to its objective of providing teaching and learning that is unequivocally backed by research, crafting a vibrant R & D environment. The department homes erudite faculty members with their doctoral and post-doctoral studies, from both reputed Indian and foreign institutions. Multiple domestic and coordinated efforts in the scholarly community and industry reinforce and strengthen the core of the various programs (B.Tech, Dual degree, Masters, Doctoral) offered by our department.

The advent of 21st century witnessed the scope of biotechnology broaden with every passing year, with the realization of its potential to advance life and health for the best. The Indian Biotech industry, currently valued at \$64 bn, is expected to reach a massive \$150 bn target by 2024. To address the demands of the continuously evolving technology and industry, our curriculum is designed to prepare our students as prominent contributors to the field by imparting them with skill-sets that enable their adaptation to academia, research, and industry. The curriculum has been strategized to amalgamate core subject area

knowledge with an engineering interface to augment professional development, promote entrepreneurship, and carve analytical and research acumen. Publications in international/national journals, and sponsored research projects totaling approximately INR-10 Crores from premier national funding agencies namely, the Department of Biotechnology (DBT), the Department of Science and Technology (DST), All India Council for Technical Education (AICTE), Indian Council for Medical Research (ICMR) and Department of AYUSH, Ministry of Environment, U.P. Council of Science and Technology (UPCST) reflect our department's crucial research emphasis.



Firm in the conviction that the motivation behind science is to be shared, the department actively organizes periodic international and national conferences, workshops bringing to front most recent improvements in the field of biotechnology research. Results of these events are to provide a platform for our students to interact with researchers from the scholarly community and industry. Invited guest talks and regular alumni-meets help our students keep to date with the advancing field. Departmental faculty are also involved in coordinating co-curricular clubs such as Ribose, Ecoquence, Adwitya, Crescendo, Expressions, Jhankaar, and the Page turner society, with the intent for a wholistic development of our students.

Our graduates continue to secure positions in renowned national and international institutes for their pre-doctoral or doctoral studies. Our alumni connection spans over prestigious institutes like the University of Leeds (UK), University of Illinois (USA), Max Planck Institutes (Germany), Johns Hopkins University (USA), Georgia Tech (USA), Texas A&M University (USA), Keck Graduate Institute (USA), University of Manchester (UK), Pennsylvania State University (USA), Melbourne University (Australia), IIT, IIM, BHU, and JNU. While some of our students are successful entrepreneurs, the others have in the past been hired by Indian giants in the A.Y. 2020-21, apart from students furthering into academia. Our recent constitution of the Institution's Innovation Cell under the MHRD, India is aimed to motivate students to become entrepreneurs, to become leaders of the booming industry.

Department follows the code of ethics defined by the Institute. Department has IBSC Committee (Institutional Biosafety Committee) constituted under the auspices of Department of Biotechnology, Govt. of India, which meets regularly to generate awareness and monitor compliance of bio-safety aspects and regulations. IEC (Institutional Ethical committee), established as per ICMR guidelines ensures that the research involving human subjects/samples is conducted in code of ethics.

➤ **Facilities Including Labs**

The Department of Biotechnology at Jaypee Institute of Information technology, with its mission to equip the students with extraordinary skills to meet the growing need of Biotechnology and bioinformatics, possesses modern infrastructure in terms of Tissue Culture Labs, Microbiology, Central Instrumentation facility, Computational Biology, Biochemical Techniques and Molecular Biology. Our labs are equipped with state of the art instruments which are continuously upgraded to improve the research facilities for our students, with the purpose carve a niche on the national biotech education map. The department has constantly maintained its ranking at top positions in biotechnology departments for education quality and research infrastructure amongst private institutions offering Biotech courses, in India. A recent expansion of our research laboratories to 3000 square feet, with designated M. Tech and Computational Laboratories, the department proudly hosts dedicated core facilities with high-end instruments and curricula like Functional Genomics lab, Plant and Animal Cell culture labs, Biochemistry lab, and eight specialized research laboratories under the Centre for Emerging Diseases, Transcriptome Lab, Novel Drug Delivery Systems Lab, and Nano-Biotechnology Lab to undertake research in priority areas of biotechnology with emphasis on applied research. Some equipment in our dedicated lab facilities include gel documentation systems, CO2 Incubator, -86o C Refrigerator, ELISA plate readers, centrifuges, Tissue sonicator, Tissue homogenizer, Gradient Thermal Cyclers, MiliQ and distilled water dispensers, Inverted Phase Contrast Microscope, lyophilizer, PCR, Ice Flaking Machine, UV-VIS Spectrophotometer (single and double beam), Refrigerated Centrifuge, Metabolic Shakers, Electrophoresis systems (vertical and horizontal), HPLC, Shaker Water Baths, Media Filtration systems, Plant Growth Chambers, Fermenter, and many more. All our laboratories are compliant with the bio-safety norms and provide necessary equipments for biochemical, microbiological, cell culture and molecular techniques such as protein expression and purification, electrophoresis studies, immuno-technology studies, DNA/RNA isolation, molecular cloning methodologies, PCR, functional genomics applications, and bioinformatics software applications that constitute the methodological repertoire of biotechnology research.

A budget is dedicated for the upgradation of instruments to ensure high-end research facilities and cutting edge laboratories. In the past academic year, our department successfully set up a new specialized lab on Bioremediation. The lab was supported with extramural grant received from Department of AYUSH and Ministry of Environment, Govt of India, and is equipped with several basic instruments and some high end instruments like the Microwave Assisted Digestion System (Nutechanalytical Technologies Pvt. Ltd.).

Important additions made in Labs in AY 2020-21

S. No.	Lab	Instruments
1	Innovation Lab	1. Real Time PCR Detection System 2. MUSE Cell Analyzer

➤ **Faculty activities:**

A. Workshops, Seminars, Symposiums, Conferences (Attended)

National Events

S. No.	Date	Name of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
1	22-07-2020	International Webinar on New Advent of Ancient Herbs for Immunomodulation Virucidal Activity	Dr. Rachana Organized by Enliven Archive	International Webinar
2	27-08-2020 to 29-08-2020	International e-conference on Recent Advances in Agriculture & Environment for Improvement of Agricultural Sustainability	Prof. S Krishna Sundari Organized by SAGE School of Agriculture SAGE University, Bhopal, Madhya Pradesh, India	International e-conference
3	06-11-2020 to 07-11-2020	Virtual International Conference on Advances in Mitochondrial Medicine and Translational Research	Dr Shalini Mani Organized by Society of Mitochondria Research and Medicine-India (SMRM) and Manipal School of Life Sciences, MAHE, Manipal	Virtual International Conference
4	03-12-2020 to 05-12-2020	2nd TCGA workshop and conference on "Towards Team Science for Multi-omics studies in South Asia"	Prof. Vibha Rani organized by TCGA NCI NIH, USA	Workshop and Conference
5	28-01-2021 to 30-01-2021	International Conference on Advances in Biosciences and Biotechnology – 2021 (ICABB-2021)	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	International Conference

International Events

S. No.	Date	Name of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized by	Details of event
1	01-06-2020 to 31-07-2020	Certificate programme in "Basic Functional Sanskrit	Prof. S Krishna Sundari Organized by National Sanskrit University (NAAC A Accredited Central University), Tirupati, Andhra Pradesh	Certificate programme
2	01-06-2020 to 31-07-2020	Certificate programme in "Advance Functional Sanskrit	Prof. S Krishna Sundari Organized by National Sanskrit University (NAAC A Accredited Central University), Tirupati, Andhra Pradesh	Certificate programme

S. No.	Date	Name of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized by	Details of event
3	10-07-2020	Webinar on “Marine Molecular Ecology in the era of Next Generation Sequencing”	All Biotech department faculty Organized by Department of Biotechnology, IIIT, Noida	Webinar
4	13-07-2020 to 18-07-2020	Online Faculty Development Program on “Recent Advances in Plant and microbial Biotechnology”	All Biotech department faculty Organized by Department of Biotechnology, IIIT, Noida	Online FDP
5	13-07-2020 to 07-08-2020	Resource person covering “Structure of a scientific paper” in 30 Hours Online Certificate Course on “Science Writing & Research Ethics”	Dr. Vibha Gupta Organized under DBT-Star College Scheme by Ram Lal Anand College (University of Delhi)	Certificate Course
6	18-07-2020 to 20-07-2020	National Sage Summer School on “Recent Advances on Microbial Bioinoculants for Improvement of Agricultural Sustainability”	Prof. S Krishna Sundari Organized by SAGE School of Agriculture (SSoAg) SAGE University, Bhopal, Madhya Pradesh	National Sage Summer School
7	28-07-2020	talk on “Anti-Ageing Realm: Tapping the molecular mechanisms for development of nutraceuticals	Dr. Sonam Chawla Organized by Lady Irwin College, Delhi University (NAAC Accredited A+ College), under the aegis of DBT STAR COLLEGE SCHEME.	Talk
8	10-08-2020 to 16-08-2020	FDP on challenging times changing times: Implications for Industry 4.0	Prof. S Krishna Sundari Organised by Graphic Era Hill University, Bhimtal Campus, Uttarakhand	FDP
9	23-08-2020	talk on “Antiviral drugs and Vaccines: Workings and Utilization in the Era of Rising Infectious Diseases”	Dr. Sonam Chawla Organised by JNSG PG College, Shujalpur, Madhya Pradesh (Sponsored by Dept of Higher Education, Govt of MP	Talk
10	27-08-2020 to 29-08-2020	invited lecture titled “Harvesting Agri-Diversity A Solution for Food Security and Sustainability” at the International e-conference on Recent Advances in Agriculture & Environment for Improvement of Agricultural Sustainability	Prof. S Krishna Sundari Organized by SAGE School of Agriculture (SSoAg) SAGE University, Bhopal, Madhya Pradesh, India	Invited Lecture

S. No.	Date	Name of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized by	Details of event
11	01-09-2020 to 30-09-2020	Certificate programme in Traditional Yoga level-1	Prof. S Krishna Sundari Organized by National Sanskrit University (NAAC A Accredited Central University), Tirupati, Andhra Pradesh	Certificate Programme
12	17-09-2020 to 19-09-2020	Workshop on "Bioinformatics tools in research"	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Workshop
13	30-09-2020	invited lecture titled "Agro-Biodiversity For Sustainable Food Security", at the webinar Series	Prof. S Krishna Sundari Organized by Department of Microbiology, Institute of Home Economics, Delhi University, New Delhi	Invited Lecture
14	15-10-2020	Online Guest Lecture for course "Diagnostic Microbiology, 19M22BT211" on "Flow cytometry as a Diagnostic tool for infectious diseases"	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Online Guest Lecture
15	30-10-2020	Online Guest lecture for course "Stress: Biology, Behaviour & Management" on the topic "Neuroscience of Stress"	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Online Guest lecture
16	18-11-2020 to 19-11-2020	Science Academies Virtual workshop on Recent advances in Biological Sciences Research,	Prof. S Krishna Sundari Organised by Bharathiar University, Coimbatore, Tamilnadu	Virtual workshop
17	14-12-2020 to 18-12-2020	Faculty Development Programme (FDP) on "Synthetic Biology", Sponsored by AICTE Training and Learning (ATAL) Academy,	Prof. S Krishna Sundari Organized by Department Of Botany, Bharathiar University, Coimbatore, Tamilnadu	Faculty Development Programme (FDP)
18	18-11-2020	invited lecture titled "Tools & Techniques in Biological Sciences Research", at the Science Academies Virtual workshop on Recent advances in Biological Sciences Research	Prof. S Krishna Sundari Organised by Bharathiar University, Coimbatore, Tamilnadu,	Invited Lecture
19	14-12-2020	invited lecture titled "Engineer microbes to produce enzymes and proteins" at AICTE Training and Learning (ATAL) Academy Sponsored Faculty Development Programme (FDP) on "Synthetic Biology	Prof. S Krishna Sundari Organized by DEPARTMENT OF BOTANY, BHARATHIAR UNIVERSITY, COIMBATORE	Invited Lecture

S. No.	Date	Name of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized by	Details of event
20	26-12-2020	Panel member of the event AtmaNirbhar Bharat- Vocal for Local, Make in India for the World	Prof Pammi Gauba Organized by Institution Innovation Council, IIIT, Noida	--
21	19-01-2021 to 25-01-2021	FDP on Questionnaire development and analysis techniques,	Prof. S Krishna Sundari Organized by GNIOT MBA Institute, Affiliated to APJ Abdul Kalam Technical University, Lucknow	FDP
22	16-01-2021	workshop on Entrepreneur Development Phases	Dr. Garima Mathur Organized by Institution Innovation Council, IIIT, Noida	Workshop
23	04-02-2021	Training on Microwave Plasma Atomic Emission Spectroscopy (MP-AES) for Technical Staff	All Biotech department faculty Organized by Department of Biotechnology, IIIT, Noida	Training
24	05-02-2021	Guest Lecture on “Market Research and future prospects”	All Biotech department faculty Organized by Department of Biotechnology, IIIT, Noida	Guest Lecture
25	10-02-2021	Technical Session on BMG - Fluostar Omega Microplate Readers & Applications	All Biotech department faculty Organized by Department of Biotechnology, IIIT, Noida	Technical Session
26	20-02-2021 to 21-02-2021	Invited Talk on Beneficial Effect of Antioxidants Chemistry of Natural Products Against Oxidative Stress Induced Diseases and Disorders Natural Product Chemistry at International Conference on Cutting Edge Research in Chemistry and Sustainable Environment Solution	Dr. Rachana Organized by Chitkara University Environmental Solutions	Invited Talk
27	27-02-2021	Demonstration and technical training for lab staff pf CFX RTPCR machine	All Biotech department faculty Organized by Department of Biotechnology, IIIT, Noida	--
28	08-03-2021 to 19-03-2021	Online e-Course titled “Ergonomics Perspectives: Adding Quality to the Work – life balance and Related Injuries in CoVID-19 Era”	All Biotech department faculty Organized by Department of Biotechnology, IIIT, Noida	Online e-Course

S. No.	Date	Name of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized by	Details of event
29	17-03-2021	Invited Talk on Two Week Online Faculty Development Program (FDP) on "Cell Culture and its Applications" Titled "Exploration of Nascent Pedagogical Tools for Updating Teachers in Pharmacy Education"	Prof. Reema Gabrani Organized by Lloyd Institute of Management & Technology (Pharm), Greater Noida	Invited Talk
30	18-03-2021	invited lecture titled "Toxicity Issues Due To Residual Pesticides In The Environment & Biotechnological Solutions at National Webinar on "Biotechnology Approach for Environmental Management	Prof. S Krishna Sundari	Invited Lecture
31	20-03-2021	Value of plant derived products against newly emerging viruses at Health and wellness conclave	Dr. Rachana Organized by Social talks and Supported by - IPC, USP, NCPM, World Book of records	--
32	01-04-2021 to 05-04-2021	Online Hands-on Workshop on Research Methodology	Dr Shalini Mani Organized by Deshbandhu College under the aegis of IQAC and DBT Star College Scheme	Online Hands-on Workshop
33	01-04-2021	Webinar On "Computational Gastronomy: A Data Science Approach to Food"	Dr Shalini Mani Organized by Manav Human Atlas initiative, NCCS, IISER	Webinar
34	15-04-2021 to 17-04-2021	Online Workshop on 'Data Analysis Techniques Using SPSS Software' Economics and Finance Research Group	Dr Shalini Mani Organized by Department of Humanities & Social Sciences (HSS), Jaypee Institute of Information Technology (JIIT), Noida	Online Workshop
35	16-04-2021 to 17-04-2021	Workshop by Department of Biotechnology, JIIT Noida on "Omics Data Analysis"	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Workshop
36	16-04-2021	invited talk on "Workshop on prototype/ process design and development- prototyping	Prof Neeraaj Wadhwa Organized by Institution Innovation Council, JIIT, Noida	Invited Talk
37	20-04-2021	Workshop on intellectual property rights (IPRs and IP Management for startup),	Prof Indira P sarethy and Dr Shweta Dang Organized by Institution Innovation Council, JIIT, Noida,	Workshop

S. No.	Date	Name of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized by	Details of event
38	27-04-2021	Guest Lecture: Dr Manidipa Banerjee - Cryoelectron microscopy	All Biotech department faculty Organized by Department of Biotechnology, IIIT, Noida	Guest Lecture
39	28-04-2021 to 29-04-2021	paper presented on “ Molecular Docking and ADMET Studies to Predict the Anti-Breast Cancer Effect of Aloin by Targeting Estrogen and Progesterone Receptors” at International conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobiosciences, Nanotechnology (5NANO2021)	Dr Shalini Mani Organised by AICTE and IEEE	Paper presented at International conference
40	07-05-2021	Webinar on Higher studies in Biotechnology: Future directions and Career guidance	All Biotech department faculty Organized by Department of Biotechnology, IIIT, Noida	Webinar
41	20-05-2021	Invited talk on “Innovations in Vaccine Development: Covid-19 Case Study”	Prof. Reema Gabrani Organized by Institution Innovation Council, IIIT, Noida	Invited talk
42	01-06-2021 to 03-06-2021	Droplet digital PCR technology world 2021	Prof. Vibha Rani Organized by Bio-Rad Laboratories, India	--
43	03-06-2021	Webinar On “Fast & Accurate Characterisation of Single-Cell Transcriptomes	Dr Shalini Mani Organized by Manav Human Atlas initiative, NCCS, IISER	Webinar
44	01-06-2021 to 15-06-2021	15day course on Reflections on Indian Philosophy	Prof. S Krishna Sundari Organized by Dept. of Bharatiya Darshan, KavikulaguruKalidas Sanskrit University, Ramtek	15 day course

B Guest Lectures / Workshops / Conferences (Organized)

S. No.	Date	Name of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized by	Details of event
1.	28-01-2021 to 30-01-2021	International Conference on Advances in Biosciences and Biotechnology – 2021 (ICABB-2021)	All Biotech Department faculty Organized by Department of Biotechnology, IIIT, Noida	International Conference on Advances in Biosciences and Biotechnology – 2021 (ICABB-2021)

National Events

S. No.	Date	Name of Conference/ Workshop / Seminar Attended	Total Faculty Participated & Organized by	Details of event
1.	10-07-2020	Webinar on “Marine Molecular Ecology in the era of Next Generation Sequencing”	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Webinar
2.	13-07-2020 to 18-07-2020	Online Faculty Development Program on “Recent Advances in Plant and microbial Biotechnology”	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	OnlineFDP
3.	17-09-2020 to 19-09-2020	Workshop on “Bioinformatics tools in research”	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Workshop
4.	15-10-2020	Online Guest Lecture for course “Diagnostic Microbiology, 19M22BT211” on “Flow cytometry as a Diagnostic tool for infectious diseases”	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Online Guest Lecture
5.	30-10-2020	Online Guest lecture for course “Stress: Biology, Behaviour & Management” on the topic “Neuroscience of Stress”	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Online Guest lecture
6.	16-01-2021	workshop on Entrepreneur Development Phases	Dr. Garima Mathur Organized by Institution Innovation Council, JIIT, Noida	Workshop
7.	04-02-2021	Training on Microwave Plasma Atomic Emission Spectroscopy (MP-AES) for Technical Staff	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Training
8.	05-02-2021	Guest Lecture on “Market Research and future prospects”	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Guest Lecture
9.	10-02-2021	Technical Session on BMG - Fluostar Omega Microplate Readers & Applications	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Technical Session
10.	27-02-2021	Demonstration and technical training for lab staff pf CFX RTPCR machine	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Demonstration

S. No.	Date	Name of Conference/ Workshop / Seminar Attended	Total Faculty Participated & Organized by	Details of event
11.	08-03-2021 to 19-03-2021	Online e-Course titled “Ergonomics Perspectives: Adding Quality to the Work – life balance and Related Injuries in CoVID-19 Era”	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Online e-Course
12.	16-04-2021 to 17-04-2021	Workshop by Department of Biotechnology, JIIT Noida on “Omics Data Analysis”	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Workshop
13.	27-04-2021	Guest Lecture: Dr Manidipa Banerjee - Cryoelectron microscopy	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Guest Lecture
14.	07-05-2021	Webinar on Higher studies in Biotechnology: Future directions and Career guidance	All Biotech department faculty Organized by Department of Biotechnology, JIIT, Noida	Webinar
15.	20-05-2021	Invited talk on “Innovations in Vaccine Development: Covid-19 Case Study”	Prof. Reema Gabrani Organized by Institution Innovation Council, JIIT, Noida	Invited Talk
16.	20-04-2021	Workshop on intellectual property rights (IPRs and IP Management for startup),	Prof Indira P sarethy and Dr Shweta Dang Organized by Institution Innovation Council, JIIT, Noida,	Workshop

C. Visitors To The Department :

Department of Biotechnology organised Conference, Workshops and invited lectures by experts from reputed National, International organizations and Industries too. The workshops and expert lectures provided an intellectual platform for students to interact with the speakers of eminence and get abreast with the emerging technologies.

S. No.	Date	Expert	Topic
1.	06-07-2020	Dr. Nitya Nand Sharma	An overview of Next Generation Sequencing technology
2.	07-07-2020	Dr Anusha Krishnan	Career Perspectives: Transitioning from Academia to Industry
3.	10-07-2020	Dr. Amit Kumar	Marine Molecular Ecology in the era of Next Generation sequencing
4.	13-07-2020	Prof. MS Reddy	New Challenges in Bio-based Technologies to Produce Healthy and Safe Food

S. No.	Date	Expert	Topic
5.	13-07-2020	Dr.Urmi Bajpai	Emerging role of bacteriophages and their enzymes in managing anti-microbial resistance
6.	13-07-2020	Dr. Shiv Kumar	Accelerate Towards Self-Reliant India Through Effective Academia ~ Industry Collaboration
7.	14-07-2020	Ms. Deeksha Bhartiya	Bioinformatic Tools for Plant & Microbial Biotechnology -Lecture
8.	15-07-2020	Dr. Kusum Lata	Climate change mitigating actions and Impact on Environment- UNFCCC role.
9.	15-07-2020	Dr. Amrutha Audipudi	Role of Endophytic bacterial Bioformulation on plant growth promotion and induced systemic resistance of vegetable crops.
10.	16-07-2020	Dr.Anushri Gupta	Guidelines for biotechnological inventions including plants and microorganisms and scope of patentability
11.	16-07-2020	Dr.Ritu Seth	Leads from Ayurveda for Human Immunity boosting
12.	16-07-2020	Ms. Sai Harshada	Regulatory Affairs role in Drug and device industry
13.	16-07-2020	Mr. Pravin Nilawe	Next Generation Sequencing & Microbial Genomics
14.	17-09-2020	Dr. Prajwal Nandekar	Structure Based Drug Design
15.	17-09-2020	Dr. R. K. Brojen Singh	Big data analysis: Network theoretical Approach
16.	17-09-2020	Mr. Irengbam Rocky Mangangcha	Network theory applied
to			
17.	18-09-2020	Dr. Vinod Devaraji	Ligand Based Drug Design
18.	18-09-2020	Dr.Amresh Prakash,	Multistate Molecular dynamics (MD) simulation for deciphering the biomolecular interaction and conformational transition
19.	18-09-2020	Ms Jyoti	Hands on Session on Molecular Docking
20.	19-09-2020	Prof. Pradeep Naik	Principle and applications of CADD techniques in drug development
21.	19-09-2020	Dr.AfrozAlam	QSAR Modeling and Computer Aided Drug Design
22.	19-09-2020	Dr.AfrozAlam	Hands on Session on "Biological Activity Prediction

S. No.	Date	Expert	Topic
23.	15-10-2020	Dr. Aditya Arya	Flow cytometry as a Diagnostic tool for infectious diseases
24.	30-10-2020	Dr. Ravinder Singh	Neuroscience of Stress
25.	28-01-2021	Prof. Subrata Sinha	Neuronal differentiation of human progenitor cells: a window from genetics
26.	28-01-2021	Dr. Amulya K. Panda	Improved immunogenicity of carbohydrate-based vaccines using polymeric nanoparticles
27.	28-01-2021	Prof. Subhash Chand	Prebiotics Based on Enzymatic Catalysis
28.	28-01-2021	Dr. Esther Vazquez	Defeating cancer stem cells through targeted protein nanoparticles
29.	29-01-2021	Prof. Sridhar Hannenhalli	To function or not to function
30.	29-01-2021	Prof. Pravindra Kumar	Structural Insight on Biodegradation of Emerging Pollutants
31.	29-01-2021	Prof. T. Pullaiah	Natural Products and Human Health
32.	29-01-2021	Prof. Nilesh Kumar Sharma	Exploring xeno-tumor heterogeneity: A potential source of anticancer agents by using A novel and specifically designed VTGE method
33.	30-01-2021	Dr. Gopal B Krishnan	Quantitative and Reproducible Cell-Based Bioassays to Advance Immunotherapy Programs
34.	30-01-2021	Dr. Pavan Jutur	Carbon Sequestration by Microalgae: An Omics Perspective
35.	30-01-2021	Dr. Mahesh Babu	Circular Economy and Waste Management
36.	04-02-2021	Mr. Arun Pandey	Microwave Plasma Atomic Emission Spectroscopy
37.	05-02-2021	Mr. Harshit Saini	Market Research and future prospects
38.	10-02-2021	Mr. Srikant Hangal	Technical Session on BMG - Fluostar Omega Microplate Readers & Applications”
39.	26-02-2021	BioRad Application Scientist	Hands-on session on CFX96 Real-Time PCR
40.	09-03-2021	Dr. Dharam Pandey	Enhancing occupational health safety through ergonomics
41.	10-03-2021	Dr. Harpreet Singh	Ergonomic posture, mechanical stability, neuromotor adaptation
42.	12-03-2021	Dr. Shagun Aggarwal	Ergonomic exercises - healthy way of work. The work rules
43.	15-03-2021	Dr. Deepak Sharan	Biotechnology laboratory ergonomics
44.	16-03-2021		Anthropometry – physical dimension of workplace

S. No.	Date	Expert	Topic
45.	17-03-2021	Dr. Afiya Sadiq	Overcoming physical and mental stress
46.	18-03-2021	Dr. Ankit Jain	Common work-related musculoskeletal disorders
47.	19-03-2021	Dr. Arpita Srivastava	Sleep ergonomics - your body depends on it
48.	16-04-2021	Dr. Rita Sharma	The whats,whys and Hows of RNA Sequencing
49.	16-04-2021	Dr.Sitabhra Sinha	Network Biology: Integrating the Omics
50.	16-04-2021	Dr. Rita Sharma	Hands on session on “RNA Seq analysis”
51.	17-04-2021	Dr.Debasis Dash	Peptidofoms: What, how and who cares
52.	17-04-2021	Dr. Amit Yadav	Large-scale identification of proteins and their modifications through mass spectrometry
53.	17-04-2021	Anurag Raj, Dr. Amit Yadav and Dr.Debasis Dash	Hands on session on “Peptidofoms analytics using an automated pipeline”
54.	07-05-2021	Mr. Dheeraj Bagayath	Higher Studies in Biotechnology: Future Direction & Career Guidance
55.	27-05-2021	Dr. Manidipa Banerjee	Cryo-electron microscopy

D. Other Achievement/ Miscellaneous Activities:

D.1 SPONSORED RESEARCH PROJECTS

D.1.1 Completed Projects (Total Grant: 200.69 Lacs)

A. Faculty as PI

1. Potentially novel carbohydrases (cellulose and related enzymes) for waste management from functional metagenomics library of North East India biodiversity hot spot, DBT, Duration: 2017-2020, Grant value: 22.21 lacs, PI: Prof. Indira P. Sarethy/ Prof. Sanjay Gupta/ Dr. Hari Prasanna Deka Boruah (CSIR-NEIST).

B. Faculty as mentor

2. Bioprospection of microorganisms from selected niche habitats (soil/rock) for antimicrobial products., ICMR, Duration: 2014-2019, Amount: 21.67 lacs, PI: Mrs. Nidhi Srivastava Mentor: Dr. Indira P Sarethy.
3. Investigating microRNAs and Matrix metalloproteinases as therapeutic target in glucose induced cardiac stress, CSIR-SRF, Duration: 2018-2020, Amount: 9.1 lacs, SRF: Sharad Saxena Mentor: Prof. Vibha Rani
4. Cardioprotective Effects Of Curcumin Against Drug Induced Toxicity, CSIR--SRF, Duration: 2018-2020, Amount: 9.1 lacs, SRF: Aditi Jain Mentor: Prof..Vibha Rani
5. Identification of peptide/protein binders of Chikungunya Virus., DST- Inspire, Duration: 2015-2019, Amount: 21.9 lacs, PI: Ms. Garima Agarwal Mentor: Prof. Sanjay Gupta.
6. Development PLGA nanoparticles loaded with donepezil and memantine for brain drug delivery through nasal route in Alzheimer’s disease, BioCARE –DBT, Duration: 2017-2020, Amount: 26

lacs, PI: Ms. Atinderpal Kaur and Mentor: Dr. Shweta Dang.

7. PLGA Nanoparticles for Baclofen and Lamotrigine: Nose to brain delivery, CSIR- SRF, Duration: 2019-2021, Amount: 7.12 lacs, PI: SRF: Kuldeep Nigam.,and Mentor: Dr. Shweta Dang.
8. Nanotechnology based vaccine development against Hepatitis E virus. DST-Inspire, Duration: 2015-2021, Amount: 21.9lacs, PI: Dibya Rani Mentor: Prof. Sudha Srivastava
9. Genomics of diverse Wolbachia species in Indian Drosophila and to study host-symbiont interactions, CSIR-SRF, Duration: 2017-2021, Amount: 16.81 lacs, JRF-Kopal Mentor: Prof Sujata Mohanty

D.1.2 Ongoing Projects: (Total Grant: 439.163 Lacs)

D.1.3 Number of Ph.D awarded during Academic year 2020-21: 06

D.2.1 FACULTY AS PI (TOTAL GRANT: 292.83 LACS)

1. Investigating microRNAs as the Next Generation Therapeutic Targets in Diabetic Cardiomyopathy, DST, Duration: 2018-2020, Grant value: 40 lacs, PI: DrVibha Rani. (Extension upto Dec 2021)
2. Application of customized PGPM based formulations for reclamation of soil permeated with Organophosphate pesticide residues, DBT, Duration: 2017-20, Grant value: 62.10 lacs, PI: Prof. S. Krishna Sundari/ Prof. Sudha Srivastava (ongoing). [Extension request submitted. Letter awaited].
3. Evaluation of the heavy metals content in market samples of plant raw drugs used in Ayurveda, AYUSH, Duration: 2018-2021, Grant value: 41.1 lacs, PI: Prof. Pammi Gauba
4. Developing Functional bacterial cellulose composites as immobilization matrix, CST-UP, Duration: 2019-2021, Grant value: 6.8 lacs, PI: Dr. Garima Mathur/Prof. Pammi Gauba.
5. Targeting biofilm formation by inhibiting Cysteine biosynthesis pathway enzymes in ESKAPE pathogens with natural products, DST, Duration: 2020-2023 (Approved on 31/3/2020), Grant value: 42.30 lacs, PI: Dr. Vibha Gupta/ Dr Prerna Diwan/Dr. Rakesh Kumar Gupta.
6. Exploring efficacy of plants and microbes for remediation of E-Waste Contaminated Soil. Ministry of Forest and Environment, PI: Prof. Pammi Gauba, Co-PI Dr. Shweta Dang. Grant Value: Rs 47.93 lacs. Duration: 2020-2023.
7. Nose to brain delivery of surface-modified drug loaded PLGA nanoparticles for management of Trigeminal Neuralgia. PI: Dr. Shweta Dang, Co-PI. Prof. Pammi Gauba. Grant Value: Rs 40.60 lacs. Duration: 2020-2023.ICMR, New Delhi.
8. Evaluation of the production strategies, nutritional value and therapeutic properties of probiotic Seabuckthorn juice. Prof. Pammi Gauba and Dr.AshwaniMathur (India) jointly with Prof. Shoby El-Sohaimy, ARID Lands Cultivation Research Institute, SARTA City, Egypt.Grant Value: 12 Lakh (from Indian Scientist only; Separate for Egypt Scientist). Duration:2021-23 Department of Science & Technology, Govt. of India and Academy of Scientific Research and Technology (ASRT), Egypt.

D.2.2. Faculty as mentor (Sponsored Fellowship/Special Scheme Projects) (Total Grant : 146.063 Lacs)

1. Analysis of host interactors of Chikungunya virus non structural Protein 1, CSIR-SRF, Duration:

- 2019-2022, Amount: Rs. 7.1 lacs, SRF: Ms. Ritu Ghildiyal Mentor: Prof. Reema Gabrani.
2. Structure, function and inhibition of isocitratelases of Mycobacterium tuberculosis., DST – Inspire Duration: 2016-2021, Amount: 21.9, PI: Ms. Monika Mentor: Dr. Vibha Gupta
 3. Fabrication of nanotechnology based point- of-care device for thyroid disease diagnosis., DST - Inspire, Duration: 2016-2021, Amount: 21.9 lacs, PI: Rahul Mentor: Prof. Sudha Srivastava
 4. Ayurvedic herbal formulations in modulating gut microbiota which is associated with diabetic cardiomyopathy, DST-INSPIRE, Duration: 2019-2024, Amount: 24.24 lacs, PI: Shivani Singhal Mentor: Prof. Vibha Rani
 5. Syzygiumcumini polyphenols in drug induced cytotoxicity, CSIR-JRF, Duration: 2019-24, Amount: 24.24 lacs, JRF: RenuBhadana Mentor: Prof. Vibha Rani
 6. Designing an alternative cancer therapy by study of anticancerous herbs for their potential mitocan activity, NFST (Ministry of Tribal affairs), Duration: 2018-23, Amount: 22.082 lacs, PI: Geeta Swargiary Mentor: Dr. Shalini Mani
 7. To develop a millet-based fermented food product and assessment of its nutritional and functional properties, DBT, Duration: 2019-2024, Amount: 24.60 lacs, PI: JRF: Rishibha Gupta Mentor: Dr. Smriti Gaur.

D.3 PATENTS

1. Filing of Complete Specification for Patent Application titled “Synergistic effect of temozolomide and phytocompound in human glioblastoma multiforme cell lines” in the name of Jaypee Institute of Information Technology; Patent Application No.: 201911047575 dated 21.11.2019. Inventors: M. Gautam, R. Gabrani. Filing of complete Specification date: Nov. 21, 2020
2. Indian Patent Application No.: 202111001763 dated 14.01.2021. titled “Synergistic combination of temozolomide and d-limonene for glioblastoma multiforme treatment” Inventor: Jaypee Institute of Information Technology, Inventors: R. Gabrani, M. Gautam.
3. Indian Patent Application No. 202111005269 dated 08th February, 2021. Titled” Mitochondria targeting ability of natural compound in breast cancer and its synergistic effect with existing therapy”. Inventors: Shalini Mani, Geeta Swargiary.
4. Reply to FER filed Patent Application filed in ‘Indian Patent Office’ on 20th Nov, 2019; Application No.: 201911047275; Inventor: Shweta Dang & Kuldeep Nigam (Published 06/12/2019; Official Journal of The Patent Office, India, Issue: 49/2019) Status: Reply Filed. Application in amended examination
5. Reply to FER filed: Patent Application filed in ‘Indian Patent Office’ on 9th Jan, 2020 Application No.: 202011001014; Inventor: Kuldeep Nigam, Amit Tyagi & Shweta Dang (Published 17/01/2020; Official Journal of The Patent Office, India, Issue: 03/2020) Status: Reply Filed. Application in amended examination
6. Filing of Patent titled “Polynucleotide Novel Molecule in Cardiovascular Therapeutics”; Indian Patent Application No. 202111005772 dated 10th February, 2021. Inventors: V. Rani, P. Mathur.

E. Honors And Award Received

Faculty

S No.	Date	Faculty/Awards
1	April 29-30 2021	Shalini Mani/Best paper award for presenting a paper titled as “Molecular Docking and ADMET Studies to Predict the Anti-Breast Cancer Effect of Aloin by Targeting Estrogen and Progesterone Receptors” at IEEE sponsored International conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobiosciences, Nanotechnology (5NANO2021)
2	May 26-28, 2021	Shweta Dang/ Honourable Mention for Oral Presentation” award for presenting a paper titled as “ In vitro and In vivo analysis of Lamotrigine loaded PLGA nanoparticles” at ‘Second International Conference of Nanoscience and Nanobiotechnology’ organized by University of Brasilia, Brazil.
3	March, 2021	Rachana/ Eminent Women Scientist Award in the field of Biomedical sciences in Health and wellness conclave by Social talks, Supported by - IPC, USP, NCPM, World Book of records

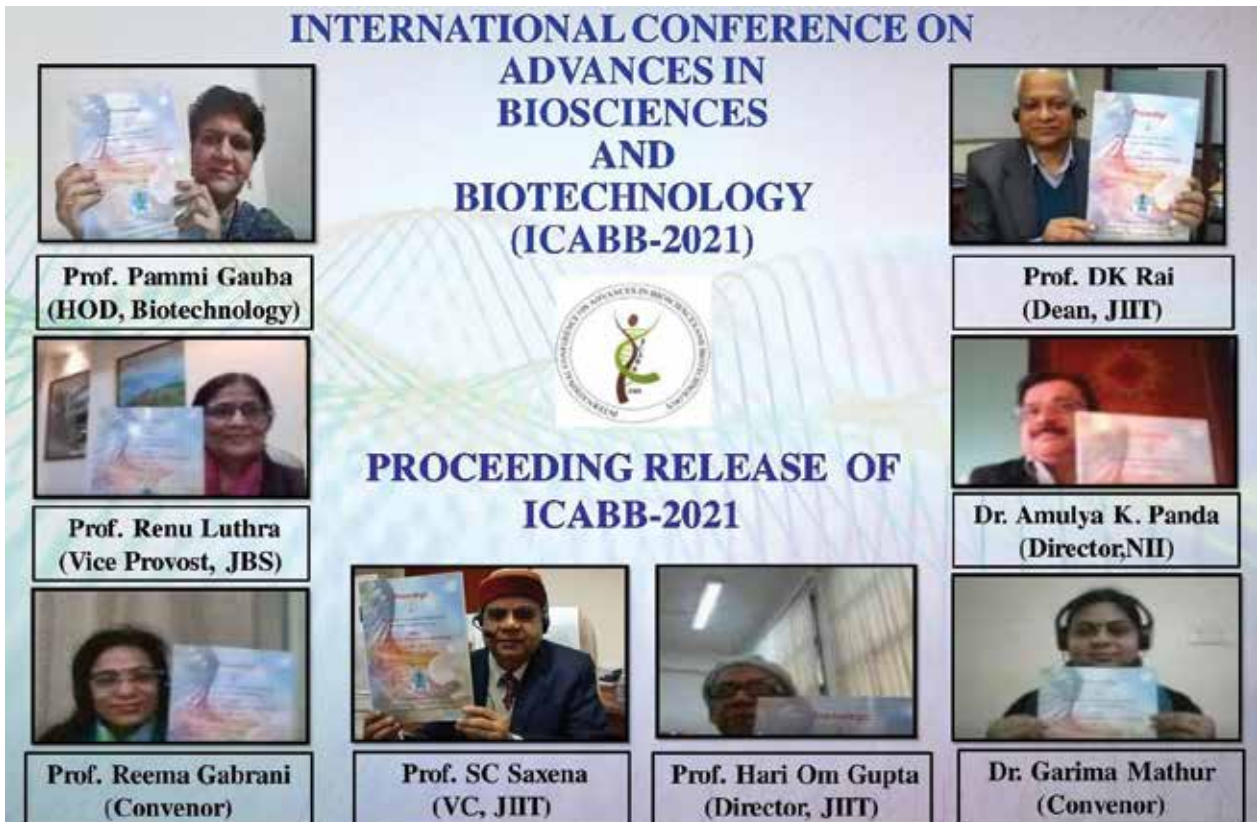
Students

S.No	Name of event	Winners	Position	College
1.	Poster presentation in International E-conference on Health and Research in Current Scenario: with special emphasis on Covid-19 genomics and pathogenicity. “Exploiting the gut microbiome’s dialogue with miRNAs and host gene expression to treat Covid-19 related cardiac hypertension”	Deepansh Mody, Vibha Rani	Second Prize	Sri Venkateswara College, Delhi University, July 17, 2020
2.	Poster presentation in Online digital poster and presentation in emerging area of biotechnology on “Exploiting the gut microbiome’s dialogue with microRNAs and host gene expression to treat Covid-19 related cardiac hypertension”	Deepansh Mody, Vibha Rani	First prize	Biotechnika, September, 2020.
3.	Poster presentation in 2nd Virtual International Conference on Naturopathy, Nanotechnology, Nutraceuticals, and Immunotherapy in Cancer Research - 2021 (ICN3IC-21) “Study to Explore Plant Derived Trimethylamine Lyase enzyme Inhibitors to Address Gut Dysbiosis”	Shivani Singhal, Vibha Rani	Best E-Poster Award	Organized by ACER, B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, India, in association with Purdue University, USA and sponsored by TNSCST and Microbiologist Society, India (MSI) held during 11th & 12th June, 2021

S.No	Name of event	Winners	Position	College
4.	Oral presentation in 2nd Virtual International Conference on Naturopathy, Nanotechnology, Nutraceuticals, and Immunotherapy in Cancer Research -2021 (ICN3IC-21); E-poster presentation on “In silico Studies of Phytoconstituents as ACE2 and TMPRSS2 Inhibitors: Strategies to Combat CoVID-19 and Prostate Cancer”	Divya Jindal, Vibha Rani	Best oral presentation	Organized by ACER,B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, India, in association with Purdue University, USA and sponsored by TNSCST and Microbiologist Society, India (MSI) held during 11th & 12th June, 2021
6.	Oral presentation in International Conference on Advances in Biosciences &Biotechnology;“ Identification of mirnas under hyperglycaemic conditions in cardiac Myoblasts”	Priyanka Mathur, Vibha Rani	Second prize	JIIT, Noida, Jan 28-Jan 30, 2021
7.	Poster presentation in International Conference on Advances in Biosciences &Biotechnology;“ Raw and aged garlic extract: a comparative analysis”	KumkumSharma, Vibha Rani	First prize	JIIT, Noida, Jan 28-Jan 30, 2021
8.	Poster presentation in International Conference on Advances in Biosciences &Biotechnology;“In silico approaches to investigate cardioprotectivePhytoconstituents as TMAO inhibitor”	Shivani Singhal, Vibha Rani	Second Prize	JIIT, Noida, Jan 28-Jan 30, 2021
9	Oral presentation (Session I) in International Conference on Advances in Biosciences &Biotechnology;;“Unfolding the Chikungunya virus-human proteins interactions ”	Ritu Ghildiyal, Reema Gabrani	Second Prize	JIIT, Noida, Jan 28-Jan 30, 2021
10	Oral presentation (Session III) in International Conference on Advances in Biosciences &Biotechnology;;“Effect of Natural Compounds on Glioblastoma Multiforme Pathways ”	Vijeta Prakash, Reema Gabrani	Second Prize	JIIT, Noida, Jan 28-Jan 30, 2021

S.No	Name of event	Winners	Position	College
11.	E-short presentation in International Conference on Advances in Biosciences and Biotechnology ICABB 2021) on “Structural characterization of Klebsiella pneumoniae Cysteine Synthase Complex using integrative structural biology approach”	Deepansh Mody & Shubham Semwal	Second Prize	JIIT, Noida, Jan 28-Jan 30, 2021
12.	poster presentation Natural Oils and preparation of nano-emulsions at An International web conference on “Exploring New Horizons in Drug Research, Discovery & Development” on October 9-10, 2020.	Deepanshi Pathak and Rachana	3rd Prize for	Conducted by Baddi University of Emerging Sciences and Technologies, Baddi, Himachal Pradesh - 173205 in association with Chandigarh Region Innovation and Knowledge Cluster (CRIKC) & CIPLA FOUNDATION.
13.	Oral Presentation International Conference on Advances in Biosciences and Biotechnology (ICABB 2021), session: Agriculture, Environment and Industry	Radhika Bansal, Pammi Gauba	First Position	JIIT, Noida, Jan 28-Jan 30, 2021
14	E short Presentation International Conference on Advances in Biosciences and Biotechnology (ICABB 2021).	Ritika Garg, Pammi Gauba	First Position	JIIT, Noida, Jan 28-Jan 30, 2021
15	Poster Presentation Obstructing carcinogenesis with Phytochemical as epigenetic modulators” in Recent Trends in Life Sciences 2021 13th and 14th March 2021	Ashok Tiwari, Juhi Mathur, Rachana	First prize	conducted by Enliven Archive Publications

E. Selected Pictures Of Different Events:





**International Conference on
Advances in Biosciences and Biotechnology
(ICABB-2021)
Keynote
Speakers**

Prof. Sridhar Hannenhalli
Prof. Subrata Sinha
Dr. Amulya K. Panda
Prof. T. Pullaiah
Prof. Subhash Chand
Prof. Pravindra Kumar
Mr. Mahesh Babu
Dr. Pannaga P. Jatur
Prof. Nilesh Kumar Sharma
Dr. Gopal B. Krishnan



meet.google.com/fsh-ecni-vfa

Jit Conference is presenting

SHIRN ALAMI and 39 more

3:05 PM

Are you talking? Your mic is off. Click the mic to turn it on.

Meeting details

3:05 PM 3/9/2021

Department of Computer Science & Engineering and Information Technology (CSE/IT)



“The Department of Computer Science & Engineering and Information Technology is a lively and invigorating academic centre for higher education, research, and innovation in key areas of computing. Major strengths of the department include 104 well-diversified faculty out of which more than fifty percent are Ph.D. holders, a large number of well-diversified courses, high emphasis on learning by doing, a very strong alumni network and active engagement in research activity. The vision of the department is to be a centre of excellence that provides high quality education to develop future leaders in all aspects of computing, contributes practically relevant and cutting-edge research, and catalyses IT entrepreneurship. The driving mission for the department is to:

- Conduct high quality education and research in scientific, technological, engineering, mathematical, entrepreneurial, human, educational, and interdisciplinary aspects of computing.
- Graduate world-class computing professionals at the bachelor’s, master’s, and doctoral levels with imagination and competence to identify and solve significant problems in industry and society through leadership and innovation.
- Engage in academic leadership activities such as the development of academic and computational resources and organization of faculty development programs, conferences, workshops, etc.
- Collaborate with industry, government, and community to stimulate entrepreneurship and sustainable development through innovative IT solutions.

The department attracts talented students and faculty from all over India. The main endeavor of the department is to develop students’ technical competence as well as creative and critical thinking ability. The department provides the students with a platform to develop insight to face real-life challenges and to come out with innovative technical solutions. The students are trained in theoretical, systemic, as well as applied aspects of contemporary computing. They are frequently evaluated with multiple assignments, handson

exercises, mini-projects, surprise tests, group activities, and presentations as they progress through the different programs in the department. The department uses a diversified set of pedagogical approaches that includes interactive lectures, case studies, group discussions, etc.

The faculty team consists of more than ninety well-qualified and experienced members to facilitate high standard of teaching, learning and evaluation process. These faculty members are also involved in research work attaining research publications in reputed international conferences and journals. The department has active collaboration with University of Florida, Gainesville, USA.

Course Curriculum is continuously improvised by taking inputs from industry experts and eminent academicians and also keeping in mind the upcoming trends. Weekly practical assignments are given to students. Through various active learning experiences in laboratories, students gain more insights into the field of study, develop the ability to apply their knowledge to a greater extent, exhibit a greater level of understanding of course material and sharpen their problem-solving skills. A lot of emphases is given to the projects in the curriculum. Students work in various well-diversified fields of computer science & engineering and information technology - image processing, artificial intelligence, cloud computing, information security, digital forensics, mobile computing, distributed system, computer network, software engineering, web applications, data mining, etc. Many students also publish papers based on their projects in collaboration with the faculty. Senior students are encouraged to mentor their juniors in lab and project work. All graduates find excellent placements in the industry. Many students choose to continue their higher studies at the world's top universities. A few students also take up the challenge to set up their own IT start-ups. Many members of our alumni also provide their support by delivering guest lectures, feedback on curriculum, and also mentoring and personal guidance to students.

The department's research engagements include traditional as well as emerging concerns. Out of 96 faculty members including 63 with PhD, our faculty strength has been leveraged to ensure that the department is not skewed towards only a few research areas. At present, the research activities of the department investigate the theoretical, systemic, applied, and educational aspects mainly related to the following thrust areas of computing: Multimedia Technology and Applications, Knowledge-Based Systems, Artificial Intelligence, Information Retrieval, Machine Learning, Distributed Systems, Computer Networks, Wireless Networks, Web, Mobile Technologies and Information Systems, Cyber Security, Computing Education and Learning Technologies, Computer Architecture & Embedded Systems, Software Engineering. Research engagement in these areas has resulted in the publication of hundreds of research papers and completion of hundreds of master's and doctoral theses as well as thousands of student projects in diverse areas.

The research in these broad thrust areas is also supplemented by the activities of the two research centres. Both these centres contribute to our research design as well as course design in all areas of computing.

One departmental project named "Vision 2024" is planned to start in 2020. The main objectives are:

- Exploring world class universities courses to feel and understand the future directions & technological trends
- Exploring resources like IEEE magazines, Industry reports & recommendations reports by leading institutions (including NASCOM, FORBES, Leading technology exhibition like INFOCOM, ROBOTICA & others to know the next decade technology
- Keep a good contact with our alumni base, whose inputs are very valuable.

➤ **Facilities Including labs**

CSE and IT department labs have more than 700 nodes and state of the art IT-infrastructure. These nodes

are running on the Windows 2000/Windows XP/Linux platform and are equipped with state of the art software. The hardware devices and software are used for both teachings as well as research activities. The department provides adequate hardware facilities for building microcontroller based systems and for doing projects in the areas of robotics, augmented reality and human-computer interactions as well, at both the campuses. The labs are also equipped with a variety of Multimedia devices and software to provide support for Multimedia based 3D and Image Processing Projects.

Some of the important equipment present in the labs includes Arduino Duemilanove development board (with 8-bit ATmega168) with various sensors, actuator and Communication aids (Bluetooth, Ethernet, Serial, Wi-Fi and Wireless using Zigbee) to research the area of Automation. We are also equipped with Audio (Piezo Vibration, tone generation and voice synthesis), Visual (LED, Camera and LCD), Touch (Capacitive Sensing, Resistive Sensing), Environmental sensors (Humidity, Temperature, Gas sensors), Light Sensors (IR and LDR), Location (GPS), Motion (3 Axis Accelerometer), RFID tag readers, Actuators like motors (Full rotation and Half rotation servo motors), KEIL Development Tools (ESA MCB x51, ESA MCB 2100 & KEIL Software), Microsoft Kinect device, and EMOTIVE EPOC EEG NeuroHeadset with Education Edition SDK kit. The use of open source software is highly encouraged for teaching and research. For example, NS2 simulator is used for research in the field of wired as well as wireless computer networks, routing algorithms, protocols, performance evaluations, etc. We also have tools like Mathematica 5.2, etc.

An IoT Lab has been setup recently at both the campuses (Sector-62 and Sector-128). Various lab experiments, projects, and research activities can be performed using the available hardware and software resources, viz. Raspberry Pi, Arduino modules. A wide range of components and integrating devices like motors, GPS modules, Zigbee Modules, FingerPrint Modules, ECG Monitoring Modules, Optical Modules, Audio/Video Modules etc. are available. A wide range of sensors e.g., Humidity, Temperature, Water Proof, Pressure, Light Ultrasonic, Piezo, etc are also available. The cost of IOT lab equipment is approximately 40 lakhs.

Important additions made in Labs

S. No.	Lab	Instruments
1.	Centre of Excellence in Artificial Intelligence and Machine Learning	DGX Workstation (CUDA Tool kit, 20-core intel Xeon 5-2698 v4 2.2 ghz, 4 x GPUs (Tesla V100 SXM2), 4 x GPUs (Tesla V100 SXM2), Ubuntu Linux

➤ Faculty activities to include

A. Workshops, seminars, symposiums, conferences (Attended)

International

S. No.	Date	Name Of Conference \ Workshop \ Seminar Attended	Total Faculty Participated & Organized By	Details of event
1	06-02-2020 to 08-02-2020	Mathematical Modeling, Computational Intelligence Technique and Renewable Energy	01, Pandit Deendayal Petroleum University PDPU, Gandhinagar, Gujurat, India.	International Conference
2	02-06-2020 to 04-06-2020	Computational Performance Evaluation	North-Eastern Hill University NEHU, Shillong, Meghalaya, India	International Conference
3	05-06-2020	Congress on Intelligent Systems held online	01, Soft Computing Research Society	International Conference

S. No.	Date	Name Of Conference \ Workshop \ Seminar Attended	Total Faculty Participated & Organized By	Details of event
4	04-08-2020	Research and Technological Advancements in Biomedical and Healthcare Sector	01, Department of Biotechnology and Bioinformatics, JUIT	International Webinar
5	05-09-2020 to 06-09-2020	An Optimal Feature Selection Approach based on IBBO for Histopathological Image Classification	01, the Congress on Intelligent Systems held online during	International Conference
6	08-09-2020	Flexible Sensors for Biomedical Applications	01, Department of Biotechnology and Bioinformatics, JUIT	International Webinar
7	17-09-2020 To 18-09-2020	Communication and Artificial Intelligence	01, GLA University, Mathura	International Conference
8	18-09-2020 to 19-09-2020	Online Education: Issues and Challenges	01, CBS Cyber Security Services LLP, India	International Webinar
9	25-09-2020 to 26-09-2020	Sustainability in Business Practices	01, the Keynote Address sessions	International Conference
10	26-09-2020	Learning Path to Data Science, IFERP	01, IFERP	International Webinar
11	15-10-2020 To 16-10-2020	Recent Advances in Design, Materials and Manufacturing (ICRADMM 2020)	01, Amity University, Gwalior	International Conference
12	23-10-2020 to 24-10-2020	DISRUPTIVE MARKETING	01, Noida, Jaypee Bussiness School	International Seminar
13	15-12 2020 To 18-12-2020	Big Data Analytics	01, Ashoka University Sonepat, Haryana, India	International Conference
14	26-12-2020 To 27-12-2020	Communication and Intelligent Systems	01, Keynote Talk	International Conference
15	29-12-2020 To 30-12-2020	Fog \ Edge computing 2020	01, IIT Kanpur	International Seminar
16	23-01-2021 To 24-01-2021	Science and Computing	01, VEKANANDA INSTITUTE OF TECHNOLOGY, JAIPUR (Rajasthan)	International Conference
17	23-01-2021 To 24-01- 2021	Comparative Analysis Of Clustering Methods For Sentimental Data	01, RTU (ATU)	International Conference
18	07-02-2021	Inception, Innovation, and Research Using Machine Learning in Diverse Areas	01, Pandit Deendayal Petroleum University PDU, Gandhinagar, Gujurat, India.	International Conference
19	26-02-2021 To 27-02-2021	Communication and Computational Technologies	01, Rajasthan Institute of Engineering and Technology, Jaipu	International Conference
20	27-02-2020 to 28-02-2020	Intelligent System: Algorithms and Applications	01, Communication and Computational Technologies	International Conference

S. No.	Date	Name Of Conference\ Workshop\Seminar Attended	Total Faculty Participated & Organized By	Details of event
21	19-02-2021 To 20-02-2021	Recent Trends on Computational Intelligence and Communication	01, Arya Institute of Engineering Technology and Management, Jaipur	International Conference
22	12-03-2021 To 13-03-2021	Recent Trends in Engineering & Technology	01, Arya College of Engineering and Research Centre", Jaipur	International Conference
23	19-03-2021 To 20-03-2021.	Sustainable Computing	01, Sri Balaji College of Engineering & Technology, Jaipur, Rajasthan	International Conference
24	19-03-2021 To 20-03-2021	Sustainable Computing	01, Sri Balaji College of Engineering & Technology, Jaipur of International Conference Engineering & Technology	International Conference
25	03-04-2021 to 04-04-2021	Cyber Security and Digital Forensics 2021	01, Northcap University, Gurugram	International Conference
26	10-04-2021 To 11-04-2021	Data Science and Applications	01, Jadhavpur University Kolkata	International Conference
27	7-05-2021 To 09-05-2021	Paradigm of Communication, computing and data Science	01, NIT Kurukshetra	International Conference
28	04-06-2021 to 05-06-2021	Recent Trends in Computing (ICRTC - 2021)	01, SRM Institute of Science and Technology, Delhi-NCR Campus, Ghaziabad, India	International Conference
29	24-07-2021 To 26-07-2021	interdisciplinary research	01, Beena Mahavidhyalaya, Jaipur	International Seminar
30	20-08-2021 To 21-08-2021	Emerging Technologies Using Matlab and SIMULINK	01, RGPV and MathWorks	International Webinar
31	11-09-2020 To 12-09-2020	Recent Innovation in Science, Engineering and Technology	01, Invertis University, Bareilly	International Conference

National

S. No.	Date	Name Of Conference\ Workshop\ Seminar Attended	Total Faculty Participated & Organized By	Details of event
1	29-07-2020	Smart Home Simulation	01, Indian Institute of Information Technology, Kottayam	National Webinar
2	11-08-2020	Disruptions: Are you ready?	01, Jaypee Business School, Noida.	National Webinar
3	11-08-2020	Disruptions: Are you ready?	01, Business School, Noida	National Webinar
4	29-08-2020 To 02-09 2020	Soft Computing Techniques and applications	01, NIT Jalandhar	National Webinar
5	11-09-2020	new Education Policy 2020	01, NERIM Group of Institutions, Guwahati, Assam	National Webinar

S. No.	Date	Name Of Conference \ Workshop \ Seminar Attended	Total Faculty Participated & Organized By	Details of event
6	09-09-2020	Cyber Security and Cyber Citizenship	01, BVICAM, New Delhi	National Webinar
7	05-09-2020	Research Methodology	01, BVICAM, New Delhi	National Webinar
8	09-09-2020	Introduction to AI, ML and various Machine Learning Techniques with Case Studies of Unsupervised Learning	01, Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal	National Seminar
9	25-09-2020	The Art of Writing Research Papers	01, BVICAM, New Delhi	National Webinar
10	09-10-2020	National Education Policy (NEP)-2020	01, BVICAM, New Delhi	National Webinar
11	19-10-2020 To 23-10-2020	AICTE Training And Learning (ATAL) Academy Online FDP on “Computer Science & Biology”	01, SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	National Webinar
12	02-11-2020 To 07-11-2020	Online Faculty Refresher Programme	01, Bhartiya Institute of Engineering & Technology	National Webinar
13	20-11-2020	Online Learning Tools and Applications on 20th November 2020 in Online Staff Development Program	01, JIIT, Noida.	National Seminar
14	21-12-2020 to 22-12-2020	Cyber Security	01, School of Electronics Engineering, Vellore Institute of Technology, Chennai	National Seminar
15	01-12-2020	Computational Intelligence (IEEE SSCI)	01, IEEE Symposium Series	National Conference
16	21-12-2020	“5G-Evolution, advancements and Applications	01, MITS Gwalior	National Webinar
17	12-01-2021	AI & Machine Learning Technologies that influence the Entrepreneurs	01, IIMT college of Engineering, Greater Noida	National Seminar
18	12-01-2021 To 14-01-2021	Next Generation Security and Analytics for Mobile Assisted Remote Healthcare (N-SAMARTH)	01, Delhi Technical University	National Webinar
19	7-04-2021 To 8-04-2021	International Conference	01, JIIT-128	National Webinar
20	16-04-2021 To 17-04-2021	Omics Data Analysis	01, JIIT, Noida	National Webinar
21	7-06-2021 To 12-06-2021	Innovations and Trends in Software Engineering	01, Jaypee Institute of Information Technology, Noida from	National Webinar
22	21-06-2021 to 26-06-2021	Seventh Competency Development Programme	01, JBS, JIIT, Noida	National Webinar

Faculty Development Program

S. No.	Date	Name Of Conference \ Workshop \ Seminar Attended	Total Faculty Participated	Details of event
1	07-06-2020 to 11-06-2020	Advanced Technology Program by Wipro	1	National
2	08-06-2020 to 12-06-2020	Machine Learning & Artificial Intelligence in Data Science (MAD 2020)	2	National
3	19-06-2020 to 23-06-2020	Emerging Technologies in Cloud computing, IOT and Block chain, technically	1	National
4	01-07-2020 to 01-07-2020	Innovation and Intellectual Property Rights Filing	1	National
5	06-07-2020 to 10-07-2020	Women in cyber security and privacy in 2020	1	National
6	12-07-2020 to 20-07-2020	Introduction to Machine Learning using python	1	National
7	29-06-2020 to 03-07-2020	Implementation of Multi-objective Optimization Algorithm (NSGA -II) using MATLAB	1	National
8	19-06-2020 to 23-07-2020	Emerging Technologies in Cloud computing	1	National
9	13-07-2020 to 17-07-2020	Recent Trends in Computer Science and IT	1	National
10	10-07-2020 to 12-07-2020	Computational Mathematics for Engineers and Researchers	1	National
11	20-07-2020 to 24-07-2020	FDP on Research Aspects in Modern Analytics and Cyber Security at CSI Ghaziabad	02	National
12	06-07-2020 to 11-07-2020	Statistical and data analytics with Python	1	National
13	13-07-2020 to 17-07-2020	Recent Trends in Computer Science & IT	2	National
14	13-07-2020 to 18-07-2020	Soft Computing Techniques and their Applications (SCTA 2020)	8	National
15	16-07-2020 to 21-07-2020	Trends in Artificial Intelligence & Machine Learning	1	National
16	20-07-2020 to 24-07-2020	Research Aspects in Modern Analytics and Cyber Security	16	National
17	20-07-2020 to 24-07-2020	Computational Intelligence Systems and Security (CISS 2020)	5	National
18	27-07-2020 to 31-07-2020	Assistive Tools And Technologies For Online Teaching And Learning (Attotl-2020)	3	National
19	27-07-2020 to 31-07-2020	Foundations of Block chain Technology	1	National
20	27-07-2020 to 31-07-2020	Competency Development Programme on Research Methodology and Data Analysis	6	National
21	18-07-2020 to 18-08-2020	Programming for Everybody (Getting Started with Python)	1	National

S. No.	Date	Name Of Conference\ Workshop\ Seminar Attended	Total Faculty Participated	Details of event
22	10-08-2020 to 15-08-2020	Artificial Intelligence and Machine Learning Using Python	6	National
23	24-08-2020 to 28-08-2020	Advanced Technology Program by Wipro under TelentNext	1	National
24	05-09-2020 to 25-10-2020	Live online course on Machine Learning	1	National
25	14-09-2020 to 19-09-2020	Emerging Trends In Wireless Sensor Networks & Applications	1	National
26	19-09-2020 to 20-09-2020	Classical machine learning models in R	1	National
27	21-09-2020 to 25-09-2020	Computer Vision and Pattern Recognition: Challenges and Opportunities at Sri Jayachamarajendra College of Engineering.	01	National
28	19-10-2020 to 23-10-2020	Computer Science & Biology	1	National
29	21-09-2020 to 23-09-2020	Container Orchestration And Automation In Software Development Using Kubernetes And Openshift	1	National
30	01-10-2020 to 05-10-2020	ATAL FDP on Machine Learning & Artificial Intelligence in Data Science	1	National
31	01-10-2020- to 05-10-2020	AICTE Training And Learning (ATAL) Academy Online FDP on Artificial Intelligence	4	National
32	01-10-2020 to 05-10-2020	Artificial Intelligence	3	National
33	19-10-2020 to 23-10-2020	Online FDP on Computer Science & Biology	4	National
34	02-11-2020 to 07-11-2020	Data Science Analytics and Visualization Tools	1	National
35	28-12-2020 to 02-01-2021	Block chain Technologies And Applications	8	National
36	23-11-2020 to 27-11-2020	Augmented Reality\ Virtual Reality	1	National
37	29-12-2020 to 30-12-2020	2nd IEEE Winter School on Fog\Edge Computing 2020	1	National
38	07-09-2020 to 12-09-2020	Automotive Technology For A Sustainable Future	1	National
39	01-09-2020 to 06-09-2020	Recent Trends in Computer Science & Application (RTCSA\2020)	1	National
40	28-07-2020 to 01-08-2020	Cyber Safety	1	National
41	29-10-2020 to 02-11-2020	AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)	2	National
42	20-07-2020 to 25-07-2020	Emerging Trends in Information Technology	2	National

S. No.	Date	Name Of Conference\ Workshop\ Seminar Attended	Total Faculty Participated	Details of event
43	23-09-2020 to 27-09-2020	Desiigning Pedagogies for Online Teaching and Learning	1	National
44	12-09-2020 to 18-09-2020	Recent Research Trends in Information Technology	1	National
45	20-07-2020 to 25-07-2020	Machine learning and Deep Learning: Research and Applications Perspectives	1	National
46	15-07-2020 to 17-07-2020	Malware Analysis And Reverse Engineering	1	National
47	13-07-2020 to 17-07-2020	Recent Trends in Computer Science & IT	1	National
48	06-07-2020 to 11-07-2020	Software Training on Ruby	1	National
49	27-07-2020 to 31-07-2020	Competency Development Programme on Research Methodology and Data Analysis	1	National
50	10-08-2020 to 16-08-2020	FDP on Challenging times changing minds: Implications for industry 4.0	1	National
51	16-08-2020 To 04-09-2020	Architecting with Google Compute Engine	1	National
52	10-08-2020 to 14-08-2020	Performing Experiments on Virtual Labs	1	National
53	07-09-2020 to 11-09-2020	Data Sciences	1	National
54	19-10-2020 to 24-10-2020	Potential Challngs for integrating 5G networks and IoT Applications in Smart City Environment	1	National
55	29-10-2020 to 30-10-2020	Blockchain 0 to 1	1	National
56	27-07-2020 to 31-07-2020	Assistive Tools and Technologies For Online Teaching and Learning	1	National
57	07-07-2020 to 13-07-2020	Online Teaching\ Learning Practices: Challenges & Solutions	1	National
58	19-09-2020 to 24-09-2020	COVID19 Data Analysis Using Python	1	National
59	05-10-2020 to 09-10-2020	Quantum Computing	1	National
60	21-09-2020 to 25-10-2020	Sensors Technology	1	National
61	30-09-2020 to 30-09-2020	NLP: Twitter Sentiment Analysis	1	National
62	15-09-2020 to 17-09-2020	Applications of MATLAB in Mathematics, Science and Engineering	1	National
63	25-09-2020 to 25-09-2020	PyCaret: Anatomy of Classification	1	National

S. No.	Date	Name Of Conference\ Workshop\ Seminar Attended	Total Faculty Participated	Details of event
64	02-11-2020 to 06-11-2020	DATA SCIENCES	1	National
65	02-11-2020 to 06-11-2020	Soft Computing Techniques	1	National
66	23-11-2020 to 27-11-2020	Open Source Technologies in Cyberspace	1	National
67	23-11-2020 to 28-11-2020	COMPUTER SCIENCE AND ALLIED DOMAINS	1	National
68	18-01-2021 to 22-01-2021	Artificial Intelligence and Robotics	1	National
69	22-01-2021 to 26-01-2021	Machine Learning in Vision and IoT	1	National
70	22-01-2021 to 26-01-2021	Machine Learning in Vision & IoT	1	National
71	04-02-2021 to 05-02-2021	Artificial Intelligence and Automation	1	National
72	18-03-2021 to 21-03-2021	Hands\on: NVIDIA DGX Workstation	1	National
73	12-03-2021 to 12-03-2021	Importance of Meditation for Stress Management in Life	1	National
74	11-03-2021 to 20-03-2021	Brain Mapping and Artificial Intelligence	1	National
75	08-03-2021 to 19-03-2021	Ergonomics: Adding quality to work-life balance and injuries in Covid19 Era	1	National
76	15-03-2021 to 19-03-2021	Research Trends in Machine Learning and IoT (RTMI-2021)	1	National
77	18-03-2021 to 21-03-2021	Workshop on Hands on : NVIDIA DGX workstation	1	National
78	22-03-2021 to 26-03-2021	Cyber Security and Forensic	1	National
79	16-04-2021 to 17-04-2021	Omics Data Analysis	1	National
80	07-04-2021 to 08-04-2021	Managing Personal finances	2	National
81	24-05-2021 to 29-05-2021	Workshop on “Computational Tools for Research in Science and Technology 2021	1	National
82	07-06-2021 to 11-06-2021	Reinforcement Learning and Its Applications at PDPM Indian Institute of Information Technology, Design, and Manufacturing, Jabalpur	01.	National
83	21-06-2021 to 25-06-2021	Advanced training program on AI&ML	1	National
84	07-06-2021 to 12-06-2021	Innovations and Trends in Software Engineering	17	National

B. Workshops, seminars, symposiums, conferences (Organized) :
National

S. No.	Date	Name Of Conference\ Workshop\ Seminar Attended	Total Faculty Participated & Organized By	Details of event
1	27-07-2020 to 31-07-2020	One week online Faculty Development Program (FDP) on Assistive tools and Technologies for Online Teaching and Learning (ATTOTL-2020)	22, JIIT-Sector 62 Total Participants: 58 Co-ordinator: Dr. Sangeeta Mittal	Online FDP
2	20-07-2020 to 24-07-2020	One Week Online FDP on Research Aspects in Modern Analytics and Cyber security RAMACS-2020	38, JIIT-Sector 62 Total Participants: 73 Co-ordinators: Dr. Anita Sahoo, Dr. Alka Singhal, Ms. Varsha Garg,	Online FDP
3	01-10-2020 to 05-10-2020	ATAL One Week Online Faculty Development Programme On Machine Learning & Artificial Intelligence in Data Science (MAD-2 2020)	10, JIIT-Sector 128 Total Participants: 102 Co-ordinators: Dr. Devpriya Soni & Dr Himani Bansal	Online FDP
4	12-10-2020 to 17-10-2020	One Week Virtual Staff Development Program on Web Designing, Advanced Office and Communication Skills	34 (Non-Teaching staff members), JIIT-Sector 128 Co-ordinator: Dr. CHetna Gupta	Online SDP
5	16-11-2020 to 21-11-2020	One Week Staff Development Program Online Learning Tools and Applications”	32, (Non-Teaching staff members), JIIT-Sector 62 Co-ordinator: Dr. Hema N	Online SDP
6	28-12-2020 to 02-01-2021	FDP on Blockchain Technologies and	20, JIIT-Sector 128 Total Participants: 61 Co-ordinators: Dr. Mukta Goyal & Shikha Mehta	Online FDP
7	11-30-2020, 12-02-2020, 12-05-2020, 12-08-2020, 02-04-2021, 02-11-2021, 03-04-2021	Webinar series (total 11) by CSE dept on key areas of Computer science & IT	40-60, CSE &IT Department Total Participants: 61 Co-ordinators: Dr. Mukta Goyal & Shikha Mehta	Webinar
8	18-03-2021 to 21-03-2021	3-days workshop on the installation of DGX-Workstation	18. NVIDIA Co-ordinator: Dr. Ashish Mishra	Workshop

S. No.	Date	Name Of Conference\ Workshop\ Seminar Attended	Total Faculty Participated & Organized By	Details of event
9	07-06-2021 to 12-06-2021	FDP on Innovations and Trends in Software Engineering	44, JIIT-Sector 62 Total Participants: 81 Co-ordinator: Dr. Amarjeet Prajapati	Online FDP
10	28-06-2021 to 03-07-2021	Soft Computing Techniques and their Applications (SCTA 2020)	27, JIIT-Sec-128 Total Participants:64 Co-ordinators: Dr. Krishna Asawa, Ms. Akanksha Mahndiratta	Online FDP

C. Invited\Expert Talk in Department: Since the institute was closed physically due to COVID-19 pandemic, no such visit was feasible during the Academic session, 2020-21. However, many experts have delivered talks during various events conducted during the session.

D. Visit of dignitaries to the departments along with dates and purpose: Since the institute was closed physically due to COVID=19 pandemic, no such visit was feasible during the Academic session, 2020-21.

E. Honors and awards received during the year

Faculty

Sr. No.	Date	Faculty\Awards
1.	Jan 2021	Dr. Charu was nominated as member of IEEE , Women in Engineering , Uttar Pradesh section working committee.

Students

S.No	Name of event	Winners	Position	College
1.	Google Summer of Code (GSoC)	Barun Acharya	NA	Organisation- Public Lab https://summerofcode.withgoogle.com/projects/6332389082529792
2.	Google Summer of Code (GSoC)	Aayush Sahu	NA	Organisation- Postman https://summerofcode.withgoogle.com/projects/#6658831964176384
3.	Google Summer of Code (GSoC)	Aaryan Porwal	NA	Organisation- Ceph https://summerofcode.withgoogle.com/projects/#4772735261081600
4.	Google Summer of Code (GSoC)	Eshan Tripathi	NA	Organisation- PEcAn project https://summerofcode.withgoogle.com/projects/6490375964852224

F. Any Other Information \ Achievements

Research and Development contributions of faculty members

- Total publications (conferences/SCI, SCIE, Scopus indexed journals/book chapters) =127.
- Number of patents granted: 01
- Number of projects submitted to various funding agencies: 08

Number of Ph.D awarded during Academic year 2020-21: 05

Proficiency Areas: To nurture the vision and mission of the department, we have identified key proficiency areas in Computer Science. As per university norms, students, apart from earning a major degree (and a minor specialization), can also claim a certificate of proficiency in certain areas. These 8 proficiency areas are as follows:

- IOT and IOT Security
- Block Chain Technologies
- Big Data Technologies
- Kubernetes, DevOps &Microservices
- Artificial Intelligence and Machine learning
- Cyber Security
- Data Science and Analytics
- Cloud, Edge and Fog Computing

All these proficiency areas are carefully selected and the elective subjects are aligned on it, keeping in mind the relevancy with the industry standards and thus making our students industry ready from the very first day of their joining, apart assisting into their personal profile at the time of placements. The department has successfully implemented this model for the electives in B.Tech 3rd year.ese proficiency areas consist of both classical and basic subjects, as well as latest high-end technologies. This helps in exploration of R&D activities in emerging and the contemporary areas. It further inculcates IT & entrepreneurial skills to produce professionals capable of providing socially relevant and sustainable solutions.

Department of Electronics & Communication Engineering (ECE)



“The latest technology today is an obsolete technology tomorrow” the quote is apt and relevant as the world of technology in electronics industry is changing very fast and has undergone tremendous transformation. The technology landscape in 21st Century necessitates innovation and excellence. This, precisely, is what the Electronics and Communication Engineering (ECE) Department at JIIT is all about. Electronics and Communication Engineering discipline spans a diverse set of intellectual subfields and applications.

The subfields can be grouped into overlapping and interrelated areas like Signal and Image Processing, Semiconductor Device Design, Communication Systems, Data Communication Networks, Microwave and Antenna Design, Internet of Things, Wireless Communication, Microelectronics, Embedded Systems, VLSI Design, and many more.

It is really a matter of great pride that the department is having a team of highly embellished and motivated faculty having rich and varied experience in industry, research as well as academia. Our strength is a reflection of composite skills, innovation and drive. Presently, ECE Department has total faculty strength of 70, which includes 2 Professor, 14 Associate Professors and 54 Assistant Professors. Most of the faculty members have completed their Ph.D degrees and have Master’s degrees from renowned IIT’s, IIIT’s and other reputed universities.

The highly dedicated and committed faculty members in ECE Department keep themselves abreast of the latest technology and are integral part of transfer of learning by involving students even in high end research and related projects in a multitudinous thrust areas such as VLSI design, Telecommunication, 4G & 5G Cellular Technologies, Communication Channel Modeling, Free Space Optical Communication, Integrated Antennas, Cognitive Radio, Signal Denoising, Device Modeling, Digital Filter Design and Applications, Digital System Testing, Analog IC Design, VLSI-DSP Architecture, Semiconductor Memories, Embedded System Applications etc.

The students, who are budding technocrats and technology professionals, are also encouraged to make a research foray into diverse interdisciplinary courses such as Medical Imaging, Renewable Energy, Smart Grid, Pattern Recognition, Biometric, Image Forensics, Big Data, and Robotics etc, ranging from practical implementation to theoretical investigations. The department regularly conducts a series of Workshops and Faculty Development Programs to keep the faculty and students updated with recent trends in electronics and communication engineering.

➤ **Facilities Including labs**

The ECE program provides students with broad-based fundamental knowledge to enable them to go further in any of their chosen field, and also to allow them to specialize in rapidly developing new technologies. Laboratory work is given utmost importance in the department. All the laboratories are equipped with sufficient instruments and software tools to enable the students to perform design oriented experiments and test their designs by computer simulations. Different laboratories set up by the department are:

- Engineering Drawing and Design Lab
- Engineering Workshop
- Basic Electronics Lab
- Electronic Devices and Circuits/ Analog and Digital Electronics Lab
- Electrical Machine and Instrumentation Lab
- Communication System Lab
- Advanced Communication lab
- Embedded System Lab
- VLSI/VHDL Lab
- B.Tech Project Lab
- Modelling and Simulation Lab (PG Lab 1)
- VLSI Design Automation Lab (PG Lab 2)
- IOT Lab
- Machine Learning Lab
- Signal Processing Lab

➤ **Centres:**

- Centre for Innovation in VLSI and Smart Systems
- Centre for MEMS Design

Engineering Drawing and Design Lab

The engineering Drawing and Design lab helps and guides the students to learn how the technical drawings can be drawn in different methods. In this lab student developing some different skills such as ability to read and prepare engineering drawings, power to imagine, analyses and communicate, and capacity to understand other subjects. The experiment list includes basic concept of orthographic projection, projection of points, lines, planes, solids, and Isometric projections. Auto-CAD software used to design 2D and 3D objects.

Engineering Workshop

Engineering workshop for first year students is very useful because it helps students to become familiar with basic manufacturing environment. Students acquire knowledge on operation of various processes used in the manufacturing of products. In this lab, students learn about various hand tools and create prototypes in Fitting, Carpentry, Sheet metal, Foundry & Welding shop. Students also get to know about working principle

and operations of various machines like Lathe, Shaper, Milling, Drilling, and Grinding.

Basic Electronics Lab

The Basic Electronics Lab-I is one of the most important labs for engineering students. This is the first level laboratory in which students are introduced with electronics for the first time and are trained with the preliminary of electronics. In this lab students are given introduction and identification of different active and passive electronics devices/components. They are familiarized with different signal sources and instruments used in electronics engineering, students learn the usage/handling of different measuring instruments like Digital multimeter, CRO, Function Generators, Regulated power supply etc. In this lab, students become familiar with device characteristics and their applications. Students learn to work with hand by making the circuit on bread board and analyzing it using laboratory instruments such as digital multimeters (DMMs), power supplies, function generators and oscilloscopes. By the end the students become familiar with basic components such as resistors, diodes, transistors, and operational amplifiers function and have the necessary skills of circuit designs.

Electronic Devices and Circuits/Analog and Digital Electronics Lab

The Electronic Devices and Circuit Lab is one of the most important labs for electronic engineering students. The experiment list includes experiments on amplifiers and MOSFET circuits that are very essential for ECE students to solidify their theoretical and practical concepts. In this lab students first design their circuit on software using PSPICE and then simulate it. After simulating on software they again perform the same exp. on breadboard and match the results.

Electrical Machine and Instrumentation Lab

This laboratory is intended specifically to meet the needs of modern and conventional courses in electrical machines and instrumentation. It is used at undergraduate level for the study of the characteristics and operation of different electrical machines such as single and three phase transformer, DC machines, single and three-phase induction machines, synchronous machines and fractional kW motors using state of the art teaching modules.

Communication System Lab

In this lab the students learn about a number of modulation Techniques such as Amplitude Modulation, Frequency Modulation, Phase Modulation, Pulse Width Modulation and Pulse Position Modulation etc. The digital modulation Techniques such as ASK, FSK, PSK, QPSK, and QAM are also being done here. Data encoding and decoding Techniques and various Sampling Techniques are also included in these Lab Courses. This Lab is having a number of Trainer kits with the help of which students learn the Communication technology in detail and try to co-relate with the theoretical aspects.

Advanced Communication lab

This lab covers a set of advanced topics in computer networks. The focus is on principles, architectures, and protocols used in modern networked systems. The goals of this course is to build basic networking and understanding of the trade-offs and existing technology in building large, complex networked systems, and provide concrete experience of the challenges through a series of lab exercises. This lab is also very important for research purpose using NAM Animator; Topology generation for large simulation and scenario generation using network simulator and Ansys HFSS.

Embedded System Lab

In this lab students are given introduction of different Universal Microcontroller Development Board, 8051 Daughter Board, ARM 7 Daughter Board, AVR Daughter Board, Arduino Daughter Board, Raspberry PI 2B and 3B, FPGA Spartan3E Nano board with USB, STM32 V Discover etc.

VLSI/VHDL Lab

The various research activities of this lab focus on modern VLSI processor architectures for big data systems, very high speed on chip interconnect channels, reconfigurable data flow architectures, memristor model development and circuit design, high frequency RFIC and mixed mode systems, novel thermal and 3D imaging sensors and also miniaturizing electron accelerators.

B.Tech Project Lab

The Projects Laboratory has a key role in promoting practical and hands-on education throughout the undergraduate careers of students at the University. Student conducts a experiment or undertake a piece of research to achieve the objective of their task. It has 43 high performance computers with useful software like Matlab, Network Simulator and Optisystem installed on it. MATLAB, is an essential tool in the practice of engineering, of great significance in the learning process.

Modelling and Simulation Lab (PG Lab 1)

This is one of the most important lab for post graduate engineering students. This is the Post graduate level laboratory in which students are taught many important software MATLAB and LabVIEW. Students learn quality engineering principles to inexperienced graduate students in an accurately simulated industrial development environment. It resulted in the development of a framework for describing and evaluating such a real-world project, including evaluation of the notion of a user.

VLSI Design Automation Lab (PG Lab 2)

This lab allows the theoretical concepts studied as part of subjects CMOS VLSI Design, Microelectronics Circuits and HDL, to experience in practical with the help of Cadence tool framework. The lab introduces the complete custom IC design flow, ASIC design flow and AMS (Analog and Mixed Signal) flow for Analog circuits, Digital circuits and Analog and mixed signal circuits design respectively.

IOT Lab

In cloud and carryout various analysis keeping in mind, the ECE department have setup the IOT Lab for developing IOT based applications related to Home Automation, Smart Cities, Smart Irrigation, and Smart Health Care etc. The lab is presently utilized by B.Tech. and M.Tech students for building their projects related to minor, major, and thesis. The lab is equipped with sufficient number of Raspberry Pi boards with various sensors and actuators modules. The high speed LAN and wi-fi router are available for providing internet connectivity to Raspberry pi boards. The open source cloud platforms are utilized for data storage and analytics.

Machine Learning Lab

The need for efficient processing and extraction of meaningful information from massive data has now become part of everyday life for taking informed decisions. In the ECE Department we created a distributed network of computers built using Apache Spark. This cluster of computers is capable of performing computations in a distributed manner.

We are currently working for development of Hadoop based framework for image super resolution which exploits computational and storage efficiency of cloud.

Signal Processing Lab

In this lab Students learn quality engineering principles to inexperienced graduate students in an accurately simulated industrial development environment. MATLAB stands as a de facto development language and environment serving the technical needs of a wide range of users. MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-to-use

environment where problems and solutions are expressed in familiar mathematical notation. Typical uses include: Application development, including Graphical User Interface building.

Centre for MEMS Design

This centre was set-up in the year 2009 as a part of institute’s response to launch MEMS activity supported under National Program of Materials for Smart Sensors (NPMASS) by Govt. of India. The program centers around collaborative research efforts related to MEMS and smart sensors of the Department of Electronics and Communication Engineering, Department of Physics and Material Science and Department of Biotechnology of our institute. Research work carried out in this center includes Design, Characterization and Modeling of On-Chip Inductors on Silicon Substrate; SAW Oscillator for Temperature/Gas Sensor.

Centre for Innovation in VLSI and Smart Systems

The centre is established for research promotion and industrial collaboration. This centre serves as a central facility for VLSI and Embedded systems. The centre will work on the emerging technologies of VLSI, Internet of Things (IOT), AI and Embedded Systems through democratization of innovation, standardization, realization of prototype and products which leads to better job prospect, Incubation and overall development. Centre offers complete chip design expertise from RTL to GDSII implementations upto 22nm technology node including pre silicon testing & FPGA/Simulation-based prototyping. Presently we have softwares like Synopsis TCAD and Design Verification Tool, Mentor Graphics, Vivado, etc. which cover most of the design and verification.

Important additions made in Labs

The list of additions in ECE labs during the year is as below:

Following instruments have been purchased (1 July 2020 to 30 June 2021):

S. No.	Lab	Instruments	Qty.
1.	Advance Communication Lab	Equipments	
		Arbitrary Function Generator 60MHz	- 04Nos.
		ProtoCentre 999 Dual Extruder 3D Printer	- 01 Nos.
		PCB Prototyping Machine	- 01 Nos.
		Ansys HFSS (25 Users)	- 25 Users.
2.	Electrical Science Lab	Analog Oscilloscope 30 MHz	- 07 Nos
		Function Generator 3MHz	- 07 Nos
		Digital Multimeter (MTQ888)	- 02 Nos
3.	Analogue & Digital Electronics Lab	Function Generator 3MHz	- 08 Nos
		Advance Analog Cum Digital Trainer kit	- 07 Nos
		Bread Board	- 20 Nos
4.	Communication System Lab	Function Generator 3MHz	- 08 Nos
		Bread Board	- 20 Nos
5.	VLSI Lab	Raspberry Pi	- 02 Nos
		Cadence University Standard New Bundle	- 20 Users

6.	Electricals Machines and Instrumentations Lab	Spinot Digital magnetic 18*18cm Stirrer Hot Plate with accessories	-1pkt
		Spinwin TM MC 01 Micro Centrifuge with accessories	-1pkt
		Precision Source/Measure Unit, 1ch,100fA resolution, 210V, 3ADC/10.5A pulse	- 01 Nos
		7 ½ Digit Truevolt Digital Multimeter	-01 Nos
		Bench Top Coater(Thermal Evaporation System)	-01 Nos
7.	Electromagnetic Lab	Klystron Mount based Microwave Banch With accessories	- 1Set

➤ **Faculty activities:**

(a) Workshop, Seminars, Symposiums, Conferences (Attended):

National

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
1.	29-06-2020 to 03-07-2020	FDP on Python Programming	1, Department of ECE , R.D Engineering College	External
2.	01-07-2020	Webinar on “Recent Advancement in Power System Protection”	1, ECE Department, RKGIT, GHAZIABAD	External
3.	03-07-2020	Webinar on “Machine and Deep Learning with MATLAB”	1, Sister Nivedita University, Kolkata	External
4.	04-07-2020	Webinar on “Numerical investigation of flow and heat transfer using nanofluids”	1, Francis Xavier college, Tirunelveli	External
5.	05-07-2020	Webinar on Data Cleaning Services using Machine Learning Algorithms	1, IEEE computational Intelligence society	External
6.	06-07-2020 to 10-07-2020	FDP on “Exposure & Rejuvenation of Technologies in changed Era of the World”	2, Department of ECE, RKGIT, Ghaziabad	External
7.	06-07-2020 to 10-07-2020	Faculty Development Program On Artificial Intelligence & Machine Learning Using Python	1, Finland Labs In Association with National Social Summit, IIT Roorkee	External
8.	06-07-2020 to 12-07-2020	Faculty Development program on VLSI EDA tools	1, ECE Department, JIIT Noida	Internal
9.	06-07-2020	Webinar on “Open source for Artificial Intelligence and Machine Learning”	1, Department of IT, BPIT, NEW DELHI	External
10.	06-07-2020	Webinar on “Future approach to Aerospace vehicle design”	1, Francis Xavier college, Tirunelveli	External
11.	06-07-2020	Web-Lecture on “Fundamentals of Research Methodology”	1, Department of Humanities and Management Science, MMMUT, Gorakhpur	External

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
12.	07-07-2020	Webinar on “Investigation of the effect of cracks on vibration parameters of a cantilever beam”	1, Francis Xavier college, Tirunelveli	External
13.	07-07-2020	webinar on Strategies for Effective e-learning: Theoretical Foundations and Best Practices	1, Jaypee Business School, Noida	Internal
14.	09-07-2020	Webinar on the topic “Applications of Artificial Intelligence: Challenges and Opportunities in Research”	1, Mahendra College of Engineering, Salem, TN, India	External
15.	10-07-2020	Webinar on “Opportunities for startups”	2, EEE Department, RKGIT, GHAZIABAD	External
16.	11-07-2020	Webinar on “Indigenous Knowledge system for sustainable Rural Development”	1, National Institute of Technology , Silchar	External
17.	11-07-2020	International Webinar on the topic “Looking Beyond Horizons- Opportunities abroad Delivered”	1, RKGIT, Ghaziabad	External
18.	11-07-2020	Webinar on IoT – Industrial Prospects	1, BVICAM, N Delhi	External
19.	12-07-2020 to 14-07-2020	4th IEEE International Test Conference	2, ITC, IEEE Bangalore Section , India	External
20.	13-07-2020 to 18-07-2020	FDP on “Soft Computing Techniques and their Applications (SCTA 2020)”	10, Department of Mathematics, IIIT Noida	Internal
21.	13-07-2020 to 17-07-2020	One-week Short Term Course on “Power System Restructuring & Renewable Energy Integration (PSRREI) 2.0”	1, Department of EEE, BHARATI VIDYAPEETH’S COLLEGE OF ENGINEERING New Delhi, India	External
22.	13-07-2020 to 17-07-2020	One week online National FDP on ‘MATLAB and its Applications in Engineering using Machine Learning and Deep Learning’	1, ECE Department GPREC, Kurnool and Mathworks	External
23.	13-07-2020 to 17-07-2020	One Week International Faculty Development Program in online mode on Recent Trends in Computer Science & IT	2, Department of CSE, RKGIT, Ghaziabad	External
24.	13-07-2020 to 18-07-2020	One week National Workshop on AI and ML	1, CSE Department, CIET, A.P.	External
25.	13-07-2020 to 24-07-2020	FDP on “Embedded UVM Open Source Emulation and Functional Verification”	1, E&ICT Academy, IIT Guwahati, MEITY, Government of India	External
26.	14-07-2020	Webinar on Contemporary Trends in Literature and Culture	2, Organized by the Department of English and Other Foreign Languages, SRMIST, Chennai	External
27.	14-07-2020	Webinar on Emerging Fintech Roles in COVID times	1, Jaipuria Institute of Management, Ghaziabad	External

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
28.	14-07-2020	IEEE Webinar on Emerging Trends in IoT and Embedded Systems	1, SJBIT, Bengaluru	External
29.	17-07-2020 to 21-07-2020	One-Week Indo-Canada SPARC-Workshop on RF Energy Harvesting Systems, REHS-2020	2, Department of ECE, NIT Silchar, India	External
30.	17-07-2020	International Webinar on Phising and its consequences	1, BAIT, Tamilnadu	External
31.	18-07-2020	Webinar on Unlocking Skills & Making Skills Aspirational	2, Department of Mechanical & Automobile Engineering, IILM College of Engineering Technology Greater Noida	External
32.	18-07-2020	IEEE International Webinar on "Artificial Intelligence in cloud computing and IoT"	1, GU Centre of Excellence Power Engineering and Clean Energy Integration in collaboration with IEEE. Galgotias University	External
33.	20-07-2020 to 25-07-2020	FDP on "Technology Computer Aided Design: Simulation for VLSI Devices, Circuits and Systems"	32, ECE Deptt., IIIT Noida	Internal
34.	20-07-2020 to 25-07-2020	Faculty Development Programme on "Emerging Trends in Information Technology	1, Department of Computer Science, IITM, Janakpuri, New Delhi.	External
35.	24-07-2020	webinar on Online Teaching Quality	1, Jaypee Business School, Noida	Internal
36.	25-07-2020	Online National Webinar on "MSP430 Microcontroller and Project Designing"	2, Department of Electronics and Communication, BIET, Jhansi	External
37.	25-07-2020	Webinar "Deep space Dream" by Anima Patilsabale, Orion spacecraft Simulation Lab manager NASA	1, Francis Xavier Engineering college ,Tirunelveli	External
38.	27-07-2020 to 31-07-2020	One Week Online Competency Development Program on Research and Data Analysis	7, JBS, Jaypee Institute of Information Technology, Noida	Internal
39.	27-07-2020 to 31-07-2020	Assistive Tools and Technologies for Online Teaching and Learning	2, CSE Deptt, IIIT, Noida	Internal
40.	27-07-2020	IEEE International Webinar on "Role of the Smart Grid in Facilitating the Integration of Renewables"	1, GU Centre of Excellence Power Engineering and Clean Energy Integration in collaboration with IEEE, Galgotias University	External

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
41.	27-07-2020 to 31-07-2020	One week International Workshop on Metamaterial & its Applications	1, IEEE Delhi Section Antenna & Propagation Society (APS) Chapter Jaipur in association with IEEE Rajasthan Subsection, Malaviya National Institute of Technology Jaipur and Govt. Women Engineering College, Ajmer	External
42.	27-07-2020 to 28-07-2020	National E-Conference On Recent Advancements in Science and Technology (NECRASST 2020)	1, Dr. Akhilesh Das Gupta Institute of Technology & Management, Delhi	External
43.	27-07-2020 to 30-07-2020	One Week Online Techno Managerial Skill Development Program	1, United Institute of Management, Prayagraj	External
44.	02-08-2020 to 05-08-2020	Hands on Workshop on Data Science, Web Development and Mobile app Development	1, AiroboticaSevices Pvt. Ltd.	External
45.	04-08-2020 to 08-08-2020	FDP on “Next generation Semiconductor Devices: Modeling and Simulation”	5, KoneruLakshmaiah Education Foundation, Guntur, A.P.	External
46.	04-08-2020	International Webinar on the topic “Aswal Model of Inclusive Growth” delivered by “Dr. D.K. Aswal, Director, CSIR – National Physical Laboratory, India”	3, RKGIT - Ghaziabad	External
47.	04-08-2020 to 08-08-2020	FDP on Recent Trends & Innovation Electronics Engineering	1, Department of ECE, IIMT, Greater Noida	External
48.	07-08-2020	International Webinar on Next-Generation High Power Laser Technology	3, RKGIT, Ghaziabad, Uttar Pradesh, India	External
49.	08-08-2020	Webinar on “Verilog HDL in Chip design cycle & Importance of Hardware Emulation”	1, Malla Reddy Institute of Technology and Science, Hyderabad	External
50.	08-08-2020	Webinar on Issues and Trends in Contemporary Indian education	1, ECE, JUIT, Wagnaghat	External
51.	08-08-2020 to 09-08-2020	Two day FDP on Intellectual Property Rights	1, IQAC and CSE, CIET	External
52.	09-08-2020	Webinar on “MSP 430 Microcontroller Based System Design”	2, Bundelkhand Institute of Engineering and Technology, Jhansi	External
53.	10-08-2020 to 15-08-2020	Faculty Development Programme on Artificial Intelligence and Machine Learning Using Python	28, Department of ECE, IIIT Noida	Internal

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
54.	10-08-2020 to 21-08-2020	Two-week Online Faculty Development Programme on "ICT Tools for Teaching, Learning Process"	1, Electronics and ICT Academies" of the Ministry of Electronics and Information Technology (MeitY), Government of India.	External
55.	12-08-2020	International Webinar on the topic "Photonics Revolution" delivered by Prof. Anurag Sharma, IIT Delhi.	1, RKGIT - Ghaziabad	External
56.	14-08-2020	Webinar on Citations and References management using Mendeley	1, BVICAM, N Delhi	External
57.	16-08-2020	Webinar on "Photodetector and its Applications"	1, Motihari, Bihar	External
58.	17-08-2020 to 21-08-2020	FDP on Block chain	1, AICTE (ATAL), Mepco Schlenk Engineering College, Tamilnadu	External
59.	21-08-2020	Webinar on "Design Thinking for Innovation of webinar series on Recent Trends in Contemporary India"	3, ECE Department, JUIT, Wagnaghat	External
60.	22-08-2020	International Webinar on Design with security and ethics	3, School of Electrical, Electronics and Communication Engineering in collaboration with IEEE SB Galgotias University	External
61.	24-08-2020 to 26-08-2020	FDP on "Digital & Analog IC Design Using Cadence Virtuoso"	6, Department of ECE, Inderprastha Engineering College, Ghaziabad	External
62.	24-08-2020 to 28-08-2020	FDP on Computer Science & Biology	1, AICTE (ATAL), Amal Jyothi College of Engineering, Kerala	External
63.	25-08-2020	Webinar on "NEP 2020 - Its implications on Higher Education in India"	1, NIT Mizoram	External
64.	25-08-2020 to 27-08-2020	FDP on Industry 4.0	1, SAGE University, Indore, Department of Mechanical Engineering	External
65.	26-08-2020	International Webinar on the topic New Technologies Based on Laser Plasma Interactions	2, RKGIT, Ghaziabad	External
66.	30-08-2020	Professional Development Webinar on "Wireless AI: A New Sixth Sense Deciphering our World" by Prof. K. J. Ray Liu	1, National Academy of Sciences, India (NASI) and MHRD	External

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
67.	31-08-2020 to 04-09-2020	AICTE Training and Learning (ATAL) Academy Online FDP on Blended Learning and Flipped Classroom	1, National Institute of Technical Teachers Training & Research, Chandigarh.	External
68.	01-09-2020 to 02-09-2020	National Conference (online) on “Recent Trends in Renewable Energy and Advancement in Engineering and Technology (RTREAET-2020)”	4, Department of EEE and ECE, Mewat Engineering College, Nuh, Haryana	External
69.	04-09-2020	Webinar on “Technology Integration in Higher Education and National Education Policy”	1, JIIT, Sec-128, Noida	Internal
70.	04-09-2020	Webinar on “ Work plan and Discussion on Multidisciplinary Resources in Higher Education by 2030 and Ways to Increase Student Enrollment”	1, Bipin Bhari College, Jhansi	External
71.	05-09-2020	Webinar on An Innovation to AR-VR and the way it is transforming the world we live in of webinar series on Recent Trends in Contemporary India	1, ECE Department, JIIT, Wagnaghat	External
72.	05-09-2020	Online Workshop On “Zero to One: Bridging the gap between Hardware & Software”	4, RKGIT, Ghaziabad	External
73.	05-09-2020	Workshop on IPR and Basics of Patent Filing	1, Department of Applied Sciences Faculty of Engineering and Technology, MRIIRS, Faridabad, Haryana	External
74.	07-09-2020 to 11-09-2020	One Week FDP on “Artificial Intelligence and Machine Learning Using Python”	1, BIET Jhansi in association with SPIU Uttar Pradesh, ISTE & NUMEREGION	External
75.	07-09-2020 to 18-09-2020	Two week faculty development programme Recent trends in communication, networking and computing paradigm”	1, University college of engineering and technology, Buckner technical university, Bikaner	External
76.	08-09-2020	Webinar on National Education policy	1, AICTE	External
77.	10-09-2020	Webinar on “Research and Innovation to Lead the smart World”	3, ECE Department, JIIT, Wagnaghat	External
78.	11-09-2020 to 12-09-2020	Two Day National Level Online Faculty Development Programme on “Intellectual Property Rights and Patent Filing	1, Mahatma Gandhi Institute of Technology, Hyderabad, Telangana	External

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
79.	12-09-2020 to 16-09-2020	One week webinar on “Electronic Systems for Mechanical Automation & Robotic Technology (eSMART-2020)”	2, National Institute of Technology, Silchar	External
80.	12-09-2020 to 14-09-2020	Scientific Computational Techniques	1, Vivekananda Institute of Technology, Jaipur	External
81.	12-09-2020	International Webinar on “Photonics Revolution”	1, RKGIT, Ghaziabad, Uttar Pradesh, India	External
82.	13-09-2020	NPTEL E-awareness workshop	1, GALGOTIAS UNIVERSITY, U.P	External
83.	14-09-2020 to 16-09-2020	International Webinar Series on Compact Radiation Sources and Applications in Sciences	3, RKGIT, Ghaziabad.	External
84.	14-09-2020	Webinar on “Engineering The Future in the Post-COVID Era”	2, MNNIT, Allahabad	External
85.	14-09-2020 to 20-12-2020	NPTEL Online Faculty Development Programme on “Introduction to Embedded System Design”	1, AICTE and funded by Ministry of HRD, Govt. of India, New Delhi	External
86.	14-09-2020 to 16-09-2020	Outcome based Education”, organized by Department of Information Technology	1, Dr. Akhilesh Das Gupta Institute of Technology & Management, Delhi.	External
87.	14-09-2020 to 19-09-2021	FDP on Artificial Intelligence using Python	1, AICTE, National Youth Council of India, Hyderabad	External
88.	14-09-2020	Webinar on “Substrate Integrated Waveguides and Their Applications in microwave Engineering”	2, IEC Engineering College, Greater Noida	External
89.	15-09-2020 to 17-09-2020	STTP on “Applications of MATLAB in Mathematics, Science and Engineering”	5, Department of Electrical Engineering, St. Vincent Pallotti College of Engineering and Technology in association with The Institution of Engineers, Nagpur	External
90.	16-09-2020 to 20-07-2021	AI Inspired 6G Communication Technology	1, NIT Srinagar	External
91.	19-09-2020 to 23-09-2020	FDP on Recent trends in beyond 5G	7, TEQIP-III, Ujjain Engineering College Ujjain,	External
92.	19-09-2020	Webinar on “Telecom Technologies, their evolution and RF optimization of KPIs”	3, ECE Department, JUIT, Wagnaghat, H.P., INDIA	External
93.	19-09-2020	Webinar on Cognitive Radio- Wireless Sensor Networks- Application and Challenges	1, Institute For Engineering Research and Publication (IFERP)-India	External

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
94.	19-09-2020	Webinar on Women Empowerment	1, Caste Based Discrimination Committee, JUIT, Wagnaghat	External
95.	22-09-2020	Webinar on -Machine Learning through Deep Neural Architecture	2, Raj Kumar Goel Institute of Technology & SSUN Delhi Chapter	External
96.	24-09-2020 to 26-09-2020	Faculty Development Program on “Digital & Analog IC Design Using Cadence Virtuoso”	1, Department of ECE, Inderprastha Engineering College, Ghaziabad	External
97.	26-09-2020	Professional Development Webinar on “Granular Mining, Uncertainty Modelling and Data Science: Concepts, Models and Challenges” by Prof. Shankar K. Pal	1, National Academy of Sciences, India (NASI) and MHRD	External
98.	30-09-2020	Webinar on “Power Electronics and its impact on society”	2, RKGIT, Ghaziabad (India)	External
99.	01-10-2020 to 05-10-2020	AICTE Training and Learning (ATAL) Academy Online FDP on “Artificial Intelligence”	1, Motilal Nehru National Institute of Technology Allahabad.	External
100.	03-10-2020 to 07-10-2020	FDP on “Nascent Methodologies, Challenges and Realms of Research”	2, ECE Department, Delhi Technological University, Delhi	External
101.	05-10-2020 to 10-10-2020	Virtual Skill development program	5, Department of ECE, JIIT Noida,	Internal
102.	06-10-2020 to 08-10-2020	2020 IEEE Global Conference on Wireless and Optical Technologies (GCWOT), Malaga, Spain, Italy	1, University of Malaga, Spain, Italy.	External
103.	12-10-2020 to 16-10-2020	(ATAL) Academy Online Faculty Development Programme on “Internet of Things”	1, Amity School of Engineering & Technology, Amity University, Noida	External
104.	22-10-2020	One day Workshop on Design and Fabrication of Planar Microwave Circuits	1, IEEE MTT-S SBC IIT Jammu in association with IEEE SBC IIT Jammu and IEEE MTT-S Delhi Chapter	External
105.	24-10-2020	Workshop on “ Analog Technologies in digitally Connected world”	2, Center for VLSI and Embedded System Technologies (CVES), IIIT Hyderabad	External
106.	24-10-2020	Annual workshop: ReAp@ CVES-2020	1, Center for VLSI and Embedded System Technologies (CVES), IIIT Hyderabad	External

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
107.	24-10-2020	Webinar session-9 on “Analysis and Classification of Breast Abnormalities using Ultrasound Images” of webinar series on Recent Trends in Contemporary India	1, ECE Department, JUIT, Wagnaghat	External
108.	26-10-2020 to 07-11-2020	TEQIP-III Sponsored Two Week Online International FDP On Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development	1, Department of CSE, Bipin Tripathi Kumaon Institute Of Technology Dwarahat Almora-263653,India	External
109.	02-11-2020 to 07-11-2020	One-week online program on “Technician Skill Development Program”	1, JIIT ,Noida	Internal
110.	06-11-2020 to 07-11-2020	Two days Workshop on Scientific Research Tools for Enriching Skills in Science and Technology	3, Department of Mathematics, JIIT, Noida	Internal
111.	06-11-2020 to 07-11-2020	International Summit on Quality Indices in Higher Education - 2020	1, Delhi. Technological University, Delhi	External
112.	16-11-2020 to 21-11-2020	STTP on Paradigm shift in Assessment and Evaluation Practices for Engineering Graduates	1, ECE Depart, Amar Jyoti College of Engineering, Kerala	External
113.	16-11-2020 to 20-11-2020	Work shop in Advanced design in RF	1, IEEE HMRITM Student Branch	External
114.	17-11-2020	National Webinar on “Innovation-Key for startup’s Success”	2, Innovation and Incubation Cell: Bundelkhand Institute of Engineering and Technology, Jhansi	External
115.	19-11-2020	International Webinar on Practicing Agile in a Rapidly Evolving VUCA and Digital Environment	2, Department of Applied Sciences & Humanities, RKGIT, Ghaziabad	External
116.	23-11-2020 to 27-11-2020	e STTP on Automation, Control and Intelligent Systems (ACIS2020)	1, TEQIP III Jointly with Dept of EICE, Engineering College, Ajmer in twining with VeermataJijabai Technological Institute, Mumbai	External
117.	27-11-2020 to 28-11-2020	Webinar on “Good Health: Key to Entrepreneur Success”	3, Indira Gandhi Delhi Technical university,Delhi	External
118.	30-11-2020 to 04-12-2020	AICTE Training And Learning (ATAL) Academy Online FDP on “Wearable Devices”	1, Sri Ramakrishna Institute of Technology	External

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
119.	07-12-2020 to 12-12-2020	STTP on Paradigm shift in Assessment and Evaluation Practices for Engineering Graduates	1, Amar Jyoti College of Engineering, Kerala	External
120.	12-12-2020	Session on “My story by successful entrepreneur”	1,JIIT, Noida	Internal
121.	14-12-2020 to 19-12-2020	AICTE sponsored STTP on “ Research Aspects on Deep Learning in Image and Video Processing - I”	1,Department of ECE, Velammal Institute of Technology, Panjetty, Tamil Nadu	External
122.	18-12-2020 to 19-12-2020	2nd IEEE International Conference on Computing Communication and Automation (ICACCCN).	1,Galgotia College of Engineering and Technology, G. Noida (UP)-India.	External
123.	18-12-2020 to 02-01-2021	Faculty Development Program on Recent Trends in Photonics Technology	1,JIIT Noida	Internal
124.	28-12-2020	Talk on “My Story- Motivational Session on Entrepreneurship”, by Mr. Kaushlendra Singh Sisodia, (Cofounder of UniConverge Technologies Pvt. Ltd. (UCT), Noida)	1,Organized by IIC Cell, JIIT Noida	Internal
125.	28-12-2020 to 02-01-2021	FDP on Recent Trends in Photonics Technology	24, Department of ECE, JIIT Noida	Internal
126.	28-12-2020 to 02-01-2021	Blockchain Technologies And Applications (BCT-2020)-FDP	2, JIIT, Noida	Internal
127.	04-01-2021 to 08-01-2021	TEQIP-III sponsored One Week Online Faculty Development Program on Machine Learning in Digital Image Processing	1, Department of CSE , GovindBallabh Pant Institute of Engineering & Technology PauriGarhwal, Uttarakhand-246194	External
128.	04-01-2021 to 09-01-2021	AICTE Sponsored STTP on Research Aspects on Deep Learning in Image and Video Processing - III	2, ECE Deptt, VIT, Ponneri	External
129.	11-01-2021 to 13-01-2021	Hands-on training on designing of Tandem solar cell using SCAOS-1d	2, Chitkara University, Punjab.	External
130.	18-01-2021 to 12-02-2021	NPTEL Online Faculty Development Programme on “Python for Data Science”	1, AICTE and funded by Ministry of HRD, Govt. of India, New Delhi	External
131.	25-01-2021 to 25-01-2021	Webinar entitled “Orientation Session for all students and faculties of the Institute by Innovation Ambassador”	6, IIC cell, JIIT NOIDA	Internal

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
132.	29-01-2021	Webinar entitled "Session on Process of Innovation Development"	5, IIC cell, JIIT NOIDA	Internal
133.	30-01-2021	Virtual Symposium #1 on RF and Microwave Propagation	1, BITS Pilani, Pilani Campus	External
134.	01-02-2021	Webinar on "The Role of Teachers, Today"	4, JIIT, Sec-128, Noida	Internal
135.	01-02-2021 to 05-02-2021	Faculty development program on NBA and the process	1, AICTE	External
136.	04-02-2021 to 05-02-2021	FDP on Artificial Intelligence and Automation	3, Amity University, Uttar Pradesh	External
137.	05-02-2021	Webinar on "Optical and Electrical Modeling & Simulation for Organic Semiconductor Devices using SETFOS S/W"	1, Impulse Technology, Gurugram	External
138.	08-02-2021 to 13-02-2021	STTP under AICTE Quality Improvement Scheme (AQIS) on Recent Advances and Trends in Machine Learning: Theory and Application	1, Asansol engineering College, West Bengal.	External
139.	17-02-2021 to 07-03-2021	short-term program on Modeling and Simulation of Nano-Transistors	1, Department of Electrical Engineering IIT Kanpur	External
140.	24-02-2021 to 02-03-2021	One Week Refreshers Programme on "Use of ICT in Engineering Education"	2, Maharaja Surajmal Institute of Technology, Janakpuri, New Delhi	External
141.	25-02-2021 to 27-02-2021	Three Days Online Workshop on Recent Trends in Design of Antenna	2, Department of ECE, A. D. Patel Institute of Technology, Gujarat	External
142.	26-02-2021 to 28-02-2021	SPARC, (Ministry of Education) sponsored Indo-USA Online Short Term Course on "VLSI Architectures for Energy- Efficient Embedded Healthcare Systems"	2, School of Electrical Sciences, Indian Institute of Technology, Bhubaneswar, Odisha	External
143.	26-02-2021 to 27-02-2021	Virtual International workshop on Artificial Intelligence and Machine Learning	1, MGM university, Arungabad	External
144.	05-03-2021 to 06-03-2021	2nd International Conference on Aspects of Materials Science and Engineering (ICAMSE-2021)	1, Panjab University, Chandigarh, India	External
145.	08-03-2021	Webinar on "Innovative Strategy for Women Entrepreneurs"	3, Jaypee Innovation and Incubation Center, JIIT Noida	Internal
146.	08-03-2021 to 13-03-2021	One Week Workshop on "Women Innovation and IPR"	1, IPR Cell, Jaypee University of Information Technology, Wagnaghat, Solan, H.P. india	External

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
147.	08-03-2021 to 19-03-2021	Ergonomics Perspectives: Adding Quality to the Work – life balance and Related Injuries in CoVID-19 Era	1, JIIT Noida	Internal
148.	11-03-2021	A lecture on “Opportunities in Online Education” by Dr. Manpreet Sing Mannn, Ex-Director, AICTE, New Delhi	2, JIIT Noida	Internal
149.	12-03-2021	One Day Workshop on ‘Importance of Meditation for Stress Management in Life’	2, Department of HSS, JIIT, Noida	Internal
150.	13-03-2021	Webinar entitled “Stepping stone-Knowledge hubs and start ups”	1, Jaypee Innovation and Incubation Center, JIIT Noida	Internal
151.	24-03-2021 to 25-03-2021	Two days workshop on Training on State- of the- Art Digital and Analog IC Design Using Cadence EDA Tool.	7, Department of ECE, JIIT Sector-128, Noida	Internal
152.	02-04-2021	Webinar entitled “how to plan startup and legal and ethical steps”	3, IIC cell, JIIT NOIDA	Internal
153.	05-04-2021 to 09-04-2021	One Week webinar series on Recent Advancements in RF & Microwave Circuits and Devices	2, Department of ECE, Bennett University in association with NUMEREGION Pvt. Ltd.	External
154.	05-04-2021 to 10-04-2021	AICTE sponsored six days Online Short Term Training Program on “IoT and Machine Learning” (Series-II)	3, Department of ECE, Inderprastha Engineering College, Ghaziabad.	External
155.	07-04-2021 to 08-04-2021	Two-day Workshop on Managing Personal Finances	4, Department of HSS, JIIT Noida	Internal
156.	10-04-2021	Virtual Symposium on “Virtual Symposium On Recent Technological Advancements In Wide/Ultra-Wide Bandgap Semiconductor Materials, Devices and Applications: A Step Towards AtmaNirbhar Bharat”	1, BITS, Pilani	External
157.	14-04-2021	Webinar entitled “Orientation Session on Innovation in Engineering by Innovation Ambassador”	4, IIC cell, JIIT NOIDA	Internal
158.	14-04-2021	Webinar on “Collaboration between AIM and AICTE	1, AICTE	External
159.	15-04-2021	Seminar on Teaching Learning Process and Effective Online Teaching	2, JIIT Noida	Internal
160.	16-04-2021	Workshop on prototype/ process design and development- prototyping	3, IIC cell, JIIT NOIDA	Internal
161.	20-04-2021	Workshop on intellectual property rights (IPRs and IP Management for startup)	3, IIC cell, JIIT NOIDA	Internal

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
162.	23-04-2021 to 29-04-2021	One-week AICTE-ISTE approved "Orientaion/ Refresher Programme on Opportunity, Challenges and Research Trends in Wireless Communication"	1, Department of EE Engineering, Guru Nanak Institutions Technical Campus, Hyderabad, Telangana, India	External
163.	26-04-2021 to 30-04-2021	One Week International Workshop on MIMO and Beamforming Antennas for Wireless and Satellite Applications	1, IEEE Antenna & Propagation Society (APS) Chapter - Jaipur in association with IEEE Young Professionals Affinity Group, Bangalore Section	External
164.	26-04-2021 to 30-04-2021	International Workshop on Recent Advancement on Electronics and Computer Intelligence (RAECI -2021)	1, Department of Electronics and CSE&A, Sambalpur University Institute of Information Technology (SUIIT), Burla , Odisha, INDIA.	External
165.	29-04-2021 to 30-04-2021	ICTE Sponsored 2021 IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience& Nanotechnology (5NANO 2021)	1, Mangalam College of Engineering, Ettumanoor, Kottayam, Kerala, India.	External
166.	18-05-2021	One day webinar on Smart Antenna for 4G Cellular Network	6, Department of ECE, IIIT, Noida	Internal
167.	19-05-2021 to 20-05-2021	4th International Conference on "2021 Devices for Integrated Circuits (DevIC 2021)"	1, IEEE EDS KGEC Student Branch Chapter in association with the Department of ECE, KGEC held in Kalyani Government Engineering College	External
168.	20-05-2021	Webinar entitled: Orientation Session on "Innovations in Vaccine Development" Covid-19 case study by Innovation Ambassador	2, Jaypee Innovation and Incubation Center, IIIT Noida	Internal
169.	01-06-2021 to 05-06-2021	FDP on Recent Advances and Challenges in Nanoscale Devices: Design, Materials, and Applications Perspective	4, National Institute of Technology Hamirpur	External
170.	01-06-2021 to 05-06-2021	Five Days FDP on Technological Leadership For Inclusive Digital Society	2, Sikkim Manipal Institute of Technology, Sikkim	External
171.	07-06-2021 to 12-06-2021	FDP on Innovations and Trends in Software Engineering	2, Department of CSE, IIIT Noida	Internal
172.	10-06-2021	Webinar entitled "Session on Prototype Validation-Converting Prototype into a Startup"	6, IIC cell, IIIT NOIDA	Internal

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
173.	14-06-2021 to 18-06-2021	One Week Online Faculty Development Programme on Renewable Power: Generation, Control and Applications (RPGCA-2021)	2, Electrical Engineering Department, UIT, HPU, Shimla, H.P. INDIA	External
174.	14-06-2021 to 18-06-2021	ATAL FDP on Engineering Optimization Techniques and its Applications (ENOTAA-2021)	1, Government College of Engineering Aurangabad, Maharashtra	External
175.	14-06-2021 to 26-06-2021	Two Weeks Short Term Training Program (STTP) on Advances in Linear Algebra: Technology based Innovations	5, Department of Mathematics, JIIT, Noida.	Internal
176.	15-06-2021	Workshop on Psychosocial support for COVID Pandemic condition	1, Deptt. of Higher Education, GOI	External
177.	17-06-2021	One day webinar on Transceivers for 6G Wireless Communications: Challenges and Design Solutions	1, IEEE MTT-S SBC IIT Kanpur	External
178.	21-06-2021 to 25-06-2021	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "IoT and Robotics"	1, KIET Group of Institutions, Ghaziabad, UP, India	External
179.	21-06-2021 to 25-06-2021	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Artificial Intelligence In Contemporary Biomedical & Healthcare Applications: Fundamentals & Hands On Matlab"	1, Gautam Buddha University, Greater Noida, U.P.	External
180.	21-06-2021 to 26-06-2021	One Week Competency Development Programme on Research Methodology and Data Analysis	2, Jaypee Business School, Noida	Internal
181.	21-06-2021 to 26-06-2021	FDP on " IoT and Robotics"	1, AICTE Training And Learning (ATAL) Academy, organized by KIET, UP, India	External
182.	21-06-2021 to 26-06-2021	Workshop on Communication System Design and Signal Processing using Software Defined Radio: A Hands-on Approach	1, The Department of EE, IIT Jammu in association with IEEE MTT-S SBC IIT Jammu	External
183.	23-06-2021	Technical Summit on promoting assertiveness	7, IEEE UP Section	External
184.	28-06-2021 to 02-07-2021	SDP on "Improving Workplace Productivity and building staff morale during Pandemic times"	2, JBS,Noida	Internal
185.	28-06-2021 to 30-06-2021	3 Days Online FDP on:" 5G & VNA measurements with Live demonstration using Anritsu Instruments"	2, Entuple India Private Limited	External

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By	Details of event
186.	28-06-2021 to 03-07-2021	FDP on Deep Learning for Natural Language Processing (DL-NLP 2021)	2. Department of CSE, IIIT Noida	Internal

Workshops, Seminars, Symposiums, Conferences (Attended) - (International)

1.	29-05-2021 to 06-06-2021	Workshop on “Embedded System Technologies for Deep Learning and Approximate Computing”	1, Organized by Department of CSE, IIT Guwahati in collaboration with the University of Naples Fedrico II, Italy	External
2.	08-06-2021	Webinar on “Machine Learning for Wireless Communications” by Dr. Sotirios K. Goudos	1, Department of Physics Aristotle University of Thessaloniki, Greece	External

Workshops, Seminars, Symposiums, Conferences (Organized) - (National)

S. No.	Date	Name Of Conference/ Workshop/ Seminar Organized	Total ECE Faculty Participated & Organized By	Details of event
1.	20-07-2020 to 25-07-2020	FDP on “Technology Computer Aided Design: Simulation for VLSI Devices, Circuits and Systems”	60, ECE Department, IIIT Noida	Internal
2.	10-08-2020 to 15-08-2020	FDP on “Artificial Intelligence and Machine learning using Python”	37, ECE Department, IIIT Noida	Internal
3.	05-10-2020 to 10-10-2020	Workshop on “One Week Virtual Technician (ECE Laboratories) Skill Development Program”	26, ECE Department, IIIT Noida	Internal
4.	02-11-2020 to 07-11-2020	Workshop on “Technician Skill Development Program”	7, ECE Department, IIIT Noida	Internal
5.	28-12-2020 to 02-01-2020	FDP on “Recent Trends in Photonics Technology”	62, ECE Department, IIIT Noida	Internal
6.	28-12-2020	Awareness/Motivational talk on “My Story- Motivational Session on Entrepreneurship”	3, IIC, IIIT Noida	Internal
7.	1-03-2021 to 3-03-2021	Workshop on “LPKF ProtoMat E44 PCB machine demo”	15, IIIT Noida	Internal
8.	08-03-2021	Webinar on “Antennas for Mobile Applications”	75, WIE affinity group IIIT Noida	Internal
9.	24-03-2021 to 25-03-2021	Workshop on “Training on state-of-the-art Digital and Analog IC Design using Cadence EDA Tool”	11, ECE Department, IIIT Noida	Internal
10.	15-04-2021	Lecture on “Teaching learning process and effective online teaching”	12, Online Education Cell, IIIT NOIDA	Internal
11.	18-05-2021	Webinar on “Smart Antenna for 4G Cellular Network”	44, ECE Department, IIIT NOIDA	Internal
12.	16-06-2021 to 25-06-2021	Internship Drive for B.Tech. 3rd Year Students	2, IIC, IIIT Noida	Internal

• **Invited/Expert Talk in Department**

S.No.	Date	Expert Lectures	External Expert(S)
1.	01-02-2021	Webinar on “The Role of Teachers, Today”	Dr. Sanjay Kumar, Associate Professor, Department of ECE at BIT Mesra, Ranchi, India
2.	23-03-2021 and 26-03-2021	Satellite Communication Technologies	Dr. R.K. SINGH, Former Engineer-in-Chief, Doordarshan

➤ **Number of Ph.D awarded during Academic year 2020-21: 03**

➤ **Honors and awards received during the year**

• **Faculty**

Sr. No.	Date	Faculty/Awards
1	28-08-2020	Dr. Ajay Kumar
2	07-10-2020	Dr. Ashish Gupta, Elevated to the Senior Member IEEE
3	09-10-2020	Dr Gaurav, Elevated to the Senior Member IEEE
4	15-02-2021	Dr. Ajay Kumar, Commendable Research Excellent Award
5	01-03-2021	Dr Juhi Gupta, Elevated to the Senior Member IEEE
6	01-03-2021	Dr Jasmine Saini, Elevated to the Senior Member IEEE
7	20-04-2021	Dr Richa Gupta, Elevated to the Senior Member IEEE

• **Students**

S.No	Name of event	Winners	Position	College
1	AD Mad, organized by IIT Gandhinagar	Nivedita Sharma	4th	JIIT Noida
2	Focus, organized by DeenDayal Upadhyay College	Parth Tandon	2nd	JIIT Noida
3	AD Mad, organized by IIT Ropar	Parth Tandon	3rd	JIIT Noida
4	Ambitious Visionary Youth Mun, organized by Ambitious Group, Delhi	Pranav Shrivastava	Winner/ Judge	JIIT Noida
5	Ambitious Visionary Youth Mun Citizenship Dialog Forum, organized by Ambitious Group, Delhi	Pranav Shrivastava	Chairperson	JIIT Noida
6	Gurgaon Discord Model United Nations, organized Online	Pranav Shrivastava	Chairperson	JIIT Noida
7	KPIT Sparkle Challenge, organized by KPIT	Utkarsh Srivastava	Top 100 / 2700+ teams	JIIT Noida

Department of Humanities & Social Sciences



Entrepreneur Eric Berridge states in his 2017 Ted talk that, “Sciences teach us how to build things but it is Humanities that teach us what to build and why to build them? Equally as important and just as hard as STEM, the Humanities give us the context of our world and teach us to think critically” The unstructured aspect of Humanities and the ability to persuade leads to incredible outcomes. Capitalising on this idea, the Department of Humanities and Social Sciences at Jaypee Institute of Information Technology take up the challenge to groom students and build their skills of creativity and insight. A complete science and technology education must incorporate humanities and social sciences and other behavioural sciences where the students unite application of scientific principles along with human, social and moral values.

The Department of Humanities and Social Sciences was established in 2001 as a centre of excellence in the field of IT education and training and since then has been producing professionals who have proved themselves leaders in innovation, entrepreneurship, creativity and management. The department comprises of change-facilitators who serve to complement the existing and emerging educational programs by imparting professional and behavioural competencies and, thereby, transforming the students to become new-age leaders in their chosen professions. The department constitutes a variety of nuclear subjects that give access to knowledge which is fundamentally and irreducibly human. A study of these encompasses comprehensive knowledge, skills and a mindset that is always growing and evolving.

The undergraduate courses aim at making the students aware of the various issues concerning man and society. Students are sensitized and encouraged to develop the ability to question, think critically and find innovative solutions for social, cultural, economic, ethical and humane issues involved in global change. The M.Tech level course prepares the students for the professional world by creating competence in communication skills that enables them to carve a niche for themselves in any organization. The department also runs Lab-based, ethics and value-added courses for the students to prepare them for a better future.

➤ **Facilities: labs and Software**

Laboratories:

The Department possesses well-equipped library, language and psychology laboratory

Language Laboratory

Language Laboratory was established in January 2017. Five software applications have been purchased by the department which would cater to teach different linguistic requirements pertaining to diverse professional pursuits and examinations. The lab has 31 PCs with one Teacher console and 29 Students’ terminals. The Lab is fully equipped to teach 3 other foreign languages viz. French, German and Chinese apart from English Language in British, American and Indian Accents.

The laboratory has the following items:

Hardware:

Server PC	1
Teacher’s Console	1
Students’ Terminals	29
Headphones with Mic	30

Software:

- Sanako Study 1200
- Sanako Pronounce
- Sky Pronounce
- Sky Read Up Speed Up
- Sky IELTS

Languages:

- English (UK, US, Indian)
- German
- French
- Chinese

Psychology Lab

Psychology Lab caters to developing the psychological understanding of human minds around us through various tools and mechanisms. The development of professional skills begins with the student contacting prospective sites and arranging for a semester-long experience that involves observation and participation in the activities. In addition to cultivating professional relationships and learning about the complexities of those relationships, students have the opportunity to discover if a particular site experience matches their own strengths and interests. As a result, the practical program facilitates the decision-making process for students. Further the practical program emphasizes and strengthening ties to the surrounding community.

The purpose of the psychological testing is to provide an opportunity to develop practical knowledge and skills. After studying this, the students are able to learn how to interact with others, and understand as to how their features of personality influence others. They can also identify how psychologists study human behaviour and how this knowledge can be used to explain, predict, and influence behaviour. They can think critically and are able to analyse the empirical data. Further students can assess the significance and practical use of testing. The following testing tools are available in the Psychology Lab:

- Test of Memory and Learning - Second Ed.(TOMAL-2)
- Developmental Test of Visual Perception – Adolescent and Adult
- Brief Visuo-spatial Memory Test-Revised
- Emotions & Expressions
- Children’s Academic Intrinsic Motivation Inventory
- Problem Solving Picture Cards
- Personality Assessment Inventory (PAI)
- Bhatia Battery of Performance Intelligence Test
- Indian Adaptation of the Multidimensional Aptitude Battery - MAB – II
- Social Skills Inventory
- Evaluating Acquired Skills in Communication - Third Edition (EASIC–3)

➤ **Faculty activities:**

(a) Workshops, seminars, symposiums, conferences (Attended)

International

S. No.	Date	Name Of Conference/ Workshop/Seminar Attended	Total Faculty Participated&Organized By	Details of event
1.	15-07-2020	International Webinar on Post Pandemic Challenges to Liberal Democratic Institutions in South Asia	Faculty:1 IQAC & Dept. of Education & Political Science, NandalalBorgohain City College, Dibrugarh, Assam	Post Pandemic Challenges
2.	23-07-2020	International Webinar on Post Pandemic Higher Education: Approaches & Way Forward	Faculty:1 NandalalBorgohain City College, Dibrugarh, Assam &Mazbat College, Udalguri, Assam	Post Pandemic Higher Education:
3.	29-07-2020	Oxford Professional Development Webinar on Distance Learning & Teaching	Faculty:1 Oxford University Press	Distance Learning & Teaching
4.	30-07-2020	International Webinar on Challenges & Prospects: Teaching-Learning during and after Pandemic Period in India	Faculty:1 Dept. of Geography & IQAC, Govt. College of Education, Banipur, West Bengal	Challenges & Prospects: Teaching-Learning
5	14, 20, 22, 27-07-2020	4 days Soft Skills online Training Program	Faculty:1 Kachh University and Business Excellence Incorporation USA	Soft Skills
6.	24-03-2021	Webinar” From Manuscript to a Successful Journal Publication”	Faculty:1 MICA , India and SAGE Publications	Journal Publication”
7.	10 - 13 - 05 - 2021	Global Conference on Services and retail Management	Faculty:1 University of Naples FedricoII and University of South Florida	Services and retail Management
8.	15 - 16 - 06 - , 2021	Journal Citation Report (JCR) Certification Series-2021	Faculty:1 Clarivate	Journal Citation

National

S. No.	Date	Name Of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized By	Details of event
1.	06-07-2020	Web-Lecture on "Fundamentals of Research Methodology"	Faculty:1 Madan Mohan Malaviya University of Technology, Gorakhpur,	Fundamentals of Research Methodology
2	07-07-2020	Webinar on Strategies for Effective e-learning: Theoretical Foundations and Best Practices	Faculty:2 JBS, JIIT, Noida	Strategies for Effective e-learning
3.	14-07-2020.	Webinar on Emerging Fintech Roles in Covid Times	Faculty:1 Jaipuria Institute of Management,Ghaziabad	Emerging Fintech Roles in
4.	15-07-2020	Webinar on "How to be in a Coaching Mindset"	Faculty: 1 International Coach Federation (ICF) Delhi-NCR Chapter.	Coaching Mindset
5.	16-07-2020	National Webinar on Hands on Google drive and its applications	Faculty: 1 Silicon City College of Management and Commerce	Hands on Google drive and its applications
6.	17-07-2020	Webinar-Women, Migration and Calamity	Faculty: 2 IQAC, Hoogly Women's College, Burdwan University, West Bengal	Women, Migration and Calamity
7.	18-07-2020.	Webinar "Unlocking Skills & Making Skills Aspirational"	Faculty: 1 IILM College of Engineering Technology Greater Noida	Skills
8.	20-07-2020	Online Seminar on Block chain technology: A solution to problem of the future	Faculty: 1 Prestige Institute of Management and research	Block chain technology
9.	21-07-2020	Webinar on Quality Teaching and Evaluation of Online Courses	Faculty: 7 JIIT Noida	Quality Teaching and Evaluation of Online Courses
10.	30-07-2020	National Webinar on "Strategy for Managing Personal Finance Including Mutual Funds -During & After Covid19"	Faculty: 2 Amity College of Commerce and Finance, Amity University, Noida	Managing Personal Finance Including Mutual Funds -During & After Covid19
11.	01-08-2020	Webinar COBVID-19, Aviation and Tourism: Implications for Managers of Tourism Enterprises:	Faculty: 1 Department of Management, Mizoram University	Implications for Managers of Tourism Enterprises:
12.	11-08-2020	Webinar on Disruption	Faculty: 1 Jaypee Business School	Disruption
13.	14-08- 2020	National Webinar on Impact of Covid -19 on Financial Statements and Reporting	Faculty: 1 Indian Accounting Association (IAA), Bhubaneswar Branch, Odisha	Impact of Covid -19 on Financial Statements and Reporting

S. No.	Date	Name Of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized By	Details of event
14.	17-08-2020	Webinar on “Exploration at the Convergence of Coaching and Leadership”	Faculty:1 International Coach Federation (ICF) Delhi-NCR Chapter.	Coaching and Leadership”
15.	24-08-2020	Webinar on “Gender Issues and Challenges Amidst COVID-19 Crisis”	Faculty:1 Jaypee University of Information Technology, Wagnaghat, Solan, H.P. India	Gender Issues and Challenges Amidst COVID-19 Crisis”
16	29-08-2020	Webinar on Interdisciplinary approaches to improve resiliency at scales for humans and ecosystems to thrive	Faculty:1 Jaypee University of Information Technology, Wagnaghat, Solan, H.P. India	Interdisciplinary approaches
17	04-09- 2020	Impact of New Education Policy - 2020 on Management Education	Faculty:Many IIIT Noida	New Education Policy
18	05-09-2020	Webinar on An Introduction on AR-VR (Augmented Reality-Virtual Reality)and the way it is transforming the world we live in	Faulty:1 Jaypee University of Information Technology, Wagnaghat, Solan, H.P. India	AR-VR (Augmented Reality-Virtual Reality
19	05-09-2020	Webinar on “The Two Best Coaching Tools”	Faculty:1 International Coach Federation (ICF) Delhi-NCR Chapter.	Coaching Tools”
20	10-09-2020	Webinar on Research and Innovation to Lead the smart World.	Faculty:1 Jaypee University of Information Technology, Wagnaghat, Solan, H.P. India	Research and Innovation to Lead the smart World.
21	17-09-2020	Research Paper writing and publication in ABDC & Scopus Journals	Faculty:1 Sarva Bodhi Consulting	Research Paper writing and publication
22	07-10-2020	Webinar on “Using Self As An Instrument In The Coaching Process”	Faculty:1 International Coach Federation (ICF) Delhi-NCR Chapter.	Using Self As An Instrument In The Coaching Process”
23	23 - 24 - 10 - 2020	Seminar on Disruptive Marketing	Faculty: 1 Jaypee Business School, Noida	Disruptive Marketing
24	06 - 07 - 11 - 2020	Online Workshop on Scientific Research Tools for Enriching Skills in Science and Technology (SRTESSST 2020)	Faculty: 1 Department of Mathematics, Jaypee Institute of Information Technology, Noida	Scientific Research Tools for Enriching Skills in Science and Technology
25	30-11-2020	Webinar on “Sharjah Police - A Coaching Journey”	Faculty: 1 International Coach Federation (ICF) Delhi-NCR Chapter.	Coaching
26	08-12- 2020	Webinar on Artificial Intelligence -I	Faculty: 1 CSE Dept, IIIT Noida Sector 62	Artificial Intelligence -I

S. No.	Date	Name Of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized By	Details of event
27	10-12-2020	Webinar on “How does the coachee’s organization influence behaviour change following coaching?”	Faculty: 1 International Coach Federation (ICF) Delhi-NCR Chapter.	behaviour change following coaching?”
28	28-01-2021	Online seminar Session on Marketing- Yesterday, Today and Tomorrow	Faculty: 1 Jaypee Business School	Marketing- Yesterday, Today and Tomorrow
29	11-02-2021	Webinar on Machine Learning- Inception, Innovation, & Research Using Machine Learning In Diverse Areas	Faculty: 1 Deptt. Of CSE, IIIT Noida	Machine Learning
30	16-02-2021	Webinar on “ICF Core Competencies: Liberate Your Unique Presence & Artfulness”	Faculty: 1 International Coach Federation (ICF) Delhi-NCR Chapter.	ICF Core Competencies
31	11-03-2021	Webinar on “Saving Face: How Leaders Preserve Dignity and Build Trust”	International Coach Federation (ICF) Delhi-NCR Chapter.	Leaders Preserve Dignity and Build Trust
32	12-03-2021	Importance of Meditation for Stress Management in Life	Faculty :7 Jaypee Institute of Information Technology, Noida	Meditation for Stress Management in Life
33	08-03-2021	Workshop on Women Innovation and IPR	Faculty:1 Jaypee Institute of Information Technology, Noida	Women Innovation and IPR
34	08 - 19 - 03 - 2021	Ergonomics perspectives - Adding quality to the work - life balance and related injuries in COVID-19 Era	Faculty:1 Jaypee Institute of Information Technology, Noida Jaypee Institute of Information Technology, Noida	E r g o n o m i c s perspectives
35	7-8-04-2021	Workshop on Managing Personal Finances	Faculty:6 Jaypee Institute of Information Technology, Noida Jaypee Institute of Information Technology, Noida	Managing Personal Finances
36	10-04-2021	Mindful Strategies for Work-Life Balance	Faculty: 9 Jaypee Institute of Information Technology, Noida	Work-Life Balance
37	14-04-2021	Attended Webinar on “Implementation of National Education Policy (NEP) 2020”	Faculty: Many IIIT Noida	“Implementation of National Education Policy (NEP) 2020”
38	15 - 17 - 04 - 2021	Data Analysis Techniques Using SPSS Software	Faculty: 4 Jaypee Institute of Information Technology, Noida	Data Analysis Techniques

S. No.	Date	Name Of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized By	Details of event
39	19-04-2021	One day Webinar on Basics of Stock Market Investments under Financial Awareness Program	Faculty:1 Centre for Investment Education and Learning, Bombay Stock Exchange	Basics of Stock Market Investments
40	19-04-2021	Financial Awareness Program	Faculty:1 Centre for Investment Education and Learning and BSE Investor protection Fund	Financial Awareness
41	29-04-2021	Webinar on “Exploring the Impact of Creative Tools in Coaching”	I Faculty:1 International Coach Federation (ICF) Delhi-NCR Chapter.	Creative Tools in Coaching”
42	29-05-2021	National Seminar on Best Practices in Higher Education Institutions-Importance in NAAC Accreditation	Faculty:1 Jagannath International Managment School, New Delhi	Best Practices in Higher Education Institutions-
43	24-06-2021	Webinar on “Women Safety”	Faculty:1 Jaypee University of Information Technology,Waknaghat	“Women Safety

(b) Workshops, seminars, symposiums, conferences (Organized)
National

S. No.	Date	Name Of Conference/ Workshop / Seminar Attended	Total Faculty Participated & Organized By	Details of event
1.	21- 07-2020 24-07-2020	Quality Teaching and Evaluation of Online Courses	Day 1: 100 Day 2: 115 Department of Humanities and Social Sciences, Jaypee Institute of Information Technology, Noida	What are the key challenges and opportunities in Quality Teaching and Assessment of an Online Course? How to do Quality Assessment of an Online Course?
2.	13-02-2021	Resume and CV Writing	Total: 29 Department of Humanities and Social Sciences, Jaypee Institute of Information Technology, Noida	Resumes are used to make a favourable impression on a prospective employer. Your resume is often the first impression a potential employer has of you. For this reason, it is often referred to as one of the most crucial steps taken during a job search. This talk gave tips to students to well present their resume for increasing chances of getting selected for placement

S. No.	Date	Name Of Conference/ Workshop / Seminar Attended	Total Faculty Participated & Organized By	Details of event
3.	12-03-2021	Workshop on Importance of Meditation for Stress Management in Life	Total: 45 Department of Humanities and Social Sciences, Jaypee Institute of Information Technology, Noida	The basic theme was to re-emphasize the need and importance of meditation for leading a healthy life especially during the pandemic situation. Objectives: To understand the importance of meditation to become aware of own's self. To have an idea about transcendental meditation which is an easy, natural, effortless and scientifically verified technique to boost immunity, relieve stress and experience happiness
4	15-03-2021	Customizing Content and Messaging according to Media Buy in Digital Marketing	Total: 81 Department of Humanities and Social Sciences, Jaypee Institute of Information Technology, Noida	The talk was very insightful with respect to customization in social media advertising. Understanding the type of approach and planning the content accordingly is an important aspect of social media marketing, but usually goes unnoticed. The session was also helpful with respect to fragmenting the target audience, thus fulfilling the expected reach at an optimal cost. The use of practical examples truly helped in better understanding. There was ample discussion about the various strategies applied in social media marketing according to the requirements eg-Cost Per Install (CPI) , Cost Per Click (CPC) and other things. The speaker also managed to give students a deep insight into social media marketing and how to develop their career in the same.

S. No.	Date	Name Of Conference/ Workshop / Seminar Attended	Total Faculty Participated & Organized By	Details of event
5	27-03-2021	Case Study & Decision-Making based Interviews/GDs/Exams	Total: 29 Department of Humanities and Social Sciences, Jaypee Institute of Information Technology, Noida	In the case interview, coming up with the “correct” answer isn’t nearly as important as the process you use for getting there. When answering a case interview question, one should showcase his/her ability to analyse a situation or business dilemma, identify the important issues, and develop sound conclusions that flow from one’s analysis. For this reason, it’s important to use a logical framework for breaking down and analysing the case. This talk gave tips to students on how case -study based questions can be answered if it comes in any placement/ interview or examination
6	7-8-04-2021	Workshop on Managing Personal Finances	External :10 Internal :53 Department of Humanities and Social Sciences, Jaypee Institute of Information Technology, Noida	Managing Personal finance is managing your money, saving, and investing. This encompasses budgeting, goal setting, savings, mortgage, insurance, retirement, and anything else having to do with your money. It is important at any age to learn how to manage your finances wisely, and the earlier you start, the better. The objective of this workshop was to provide understanding of investment fundamentals and concepts of accounting and finance which are essential to take financial decisions at individual level. The participants also learnt about the risk return trade-off in investments, basics of investing in stock markets, investing in mutual funds, investing in Real Estate Investment Trusts (REITs), investing in Infrastructure investment trusts (InvITs) and redressal of investor grievances

S. No.	Date	Name Of Conference/ Workshop / Seminar Attended	Total Faculty Participated & Organized By	Details of event
7.	10-04-2021	Online Workshop on “Mindful Strategies for Work -Life Balance”	External: 12 Internal : 34 Department of Humanities and Social Sciences, Jaypee Institute of Information Technology, Noida	The threat of novel corona virus-19 has caused major organizational changes in universities. The challenges of coping with remote teaching methods coupled with digital disparity among learners has led to increased levels of stress and anxiety. The objective of this workshop was to assist the participants to comprehend the dynamic environment and to build strategies for work-life balance
8.	15-17-04-2021	Workshop on Data Analysis Techniques Using SPSS Software	External :10 Internal :53 Department of Humanities and Social Sciences, Jaypee Institute of Information Technology, Noida	Workshop may be used in designing a course on Data Analysis for MSc Economics Prog. * Insights from the workshop may be used by PhD Scholars of JIIT and other institutes in various research domains * Workshop may be a wonderful learning experience for new SPSS learners (faculty, Research scholars, and other students) Point-wise topics of the workshop are as under: 1. Introduction to SPSS Environment 2. Import and Export of Data 3. Data Management 4. •Testing of Hypothesis using Parametric and Non-parametric Methods 5. Correlation & Association 6. •Linear and Non-linear Regression 7. Factor Analysis 8. Discriminant Analysis The workshop’s objective is to strengthen the skills and knowledge of Research scholars /Academicians in Data Analysis Techniques using SPSS Software.

S. No.	Date	Name Of Conference/ Workshop / Seminar Attended	Total Faculty Participated & Organized By	Details of event
9.	19-04-2021	One Day Webinar on Basics of Stock Market Investments under Financial Awareness Program	Total: 98 Department of Humanities and Social Sciences, Jaypee Institute of Information Technology, Noida	This workshop helped the participants to get adequate knowledge of the stock exchange. The Objective of this workshop was to equip the participants with required stock market theoretical and practical know-how so that they can apply the same in researching equity markets for wealth creation. It introduces the participants to the process of how to find and analyse companies, determine the risk of a stock investment or trade, proper entry and exit time of the stock, understand why markets move the way they do

(c) Invited/Expert Talk in Department

S.No.	Date	Expert Lectures	External Expert(S)
1.	21-07-2020 24-07-2020	Quality Teaching and Evaluation of Online Courses	Professor Madhulika Kaushik is Pro Vice-Chancellor in Usha martin University, Ranchi since August 2017. Prof. Kaushik has Strong business development professional with a MBA as well as PhD focused in the area of Management from Jai Narain Vyas University. Before Joining Usha Martin University, Prof Kaushik worked as deputy vice chancellor in Wawasan Open university, Malaysia for more than six years. She has also been a higher education specialist at Commonwealth of learning. She holds a fantastic experience of working as a professor in IGNOU for more than two decades. At present, Prof. Kaushik manages the academic administration and research activity at the Usha Martin University in this educational leadership role.
2	13-02-2021	Resume and CV Writing	Mr. Amit Poddar, Senior Regional Manager, Triumphant Institute of Management Education Pvt. Ltd. (TIME)
3	12-03-2021	Importance of Meditation for Stress Management in Life	Ms. Aditi Shrivastava, National Coordinator-Transcendental Meditation India, Spiritual Regeneration Foundation of India

S.No.	Date	Expert Lectures	External Expert(S)
4.	15-03-2021	Customizing Content and Messaging according to Media Buy in Digital Marketing	Mr Yashasvi Vats, Vice President marketing, Affinity global Inc.
5.	27-03-2021	Case Study & Decision-Making based Interviews/GDs/Exams	Mr. Amit Poddar, Senior Regional Manager, Triumphant Institute of Management Education Pvt. Ltd. (TIME)
6.	7-8-04-2021	Managing Personal Finances	Ms Monica Sachdeva, SEBI empaneled SMART Trainer, SEBI
7.	10-04-2021	Mindful Strategies for Work-Life Balance	Mr. Rahul Joshi, Teacher, Art of Living Organization
8.	15-17-04-2021	Data Analysis Techniques Using SPSS Software	Prof. S. P. Singh, Dept. Of HSS, IIT Roorkee
9.	19-04-2021	Basics of Stock Market Investments under Financial Awareness Program	Ms Monica Sachdeva, SEBI empaneled SMART Trainer, SEBI

(d) Visit of dignitaries to the departments along with dates and purpose

S. No.	Date	Expert	Topic/Purpose of visit
1.	21-24-07 2020	Professor Madhulika Kaushik is Pro Vice-Chancellor in Usha martin University, Ranchi since August 2017.	Guest Speaker for Webinar on Quality Teaching and Evaluation of Online Courses
2.	21-24-07 2020	Dr Hari Om Gupta, Director, IIIT, Sector 128	Guest Speaker for Webinar on Quality Teaching and Evaluation of Online Courses
3.	13-02-2021	Mr. Amit Poddar, Senior Regional Manager, Triumphant Institute of Management Education Pvt. Ltd. (TIME)	Guest Lecture on Resume and CV Writing
4.	12-03-2021	Ms. Aditi Shrivastava, National Coordinator- Transcendental Meditation India, Spiritual Regeneration Foundation of India	Guest Speaker for Online Workshop on Importance of Meditation for Stress Management in Life
5.	15-03-2021	Mr Yashasvi Vats, Vice President marketing, Affinity global Inc.	Guest Lecture on Customizing Content and Messaging according to Media Buy in Digital Marketing
6.	27-03-2021	Mr. Amit Poddar, Senior Regional Manager, Triumphant Institute of Management Education Pvt. Ltd. (TIME)	Guest Lecture on Case Study & Decision-Making based Interviews/GDs/Exams
7.	07-08-04-2021	Ms Monica Sachdeva, SEBI empaneled SMART Trainer, SEBI	Guest Speaker for workshop on Managing Personal Finances
8.	10-04-2021	Mr. Rahul Joshi, Teacher, Art of Living Organization	Guest Speaker for Online Workshop on Mindful Strategies for Work-Life Balance

S. No.	Date	Expert	Topic/Purpose of visit
9.	15-17-04-2021	Prof. S. P. Singh, Dept. Of HSS, IIT Roorkee	Guest Speaker for the Workshop on Data Analysis Techniques Using SPSS Software
10	19-04-2021	Ms Monica Sachdeva, SEBI empaneled SMART Trainer, SEBI	Basics of Stock Market Investments under Financial Awareness Program

(e) Honors and awards received

Faculty

Sr. No.	Date	Faculty/Awards
1.	15-16-10-2020	Dr Swati Sharma Best paper presentation award for the paper 'Digital Marketing Adoption: A review and research Agenda for Tourism SME's' in Award Rajgiri Management Conference (RMC-2020)
2.	21-28-11-2020	Dr Shirin Alavi Best paper presentation award for the paper "Impact of Remote working on sustainability" in Global Strategic Management Conference on "Remote Working Practices:Challenges, Opportunities & Future Trends" at DME Management School, Noida

Students

S. No	Name of event	Winners	Position	College
1.	1st Rajagiri Management Conference, 2020	Ankita Sharma	Best paper award	JIIT
2.	Global Strategic Management Conference, 2020	Pooja Tripathi	Best paper award	JIIT

(f) Any Other Information / Achievements

The Department prides itself in initiating and conducting activities that address important social issues and promote holistic well being of students. This year too the department took on a range of activities which prove its strong presence and indispensability within the institute. To name just a few:

- Adobe Photoshop Online Workshop
- Webinar on Global Handwash Day
- Mission Shakti (Nirbhay): Online webinar on self-defence, where the resource person demonstrated tricks and tactics of self-defence.
- Online Webinar on Social Service (Service before self)
- Online Webinar on Women's Mental Health: The daily stresses that women face and gender disparity which affects mental health were discussed. Discussion on importance of mental well-being, steps to ensure mental well-being and discussion to bring about attitudinal change around the perception of mental-health was discussed
- Earth Day: Online Save Earth Webinar on Conservation of resources and reducing pollution to save Earth
- Nuances of Non-Verbal Behaviour in Virtual Presentation: Students gave presentations on topics of social relevance and recorded videos of the same and on a replay were able to observe their non-verbal aspects more appropriately.
- Nurturing Creativity in Budding Engineers'. Compilation of Short Stories written by II Year students

Department of Mathematics

American mathematician William Paul Thurston rightly quoted that 'Mathematics is not only about numbers, equations, computations, or algorithms: it is about understanding'. The role and usage of Mathematics have increased manifold in the present era of information revolution. This has put additional expectations on the Department of Mathematics from the point of view of teaching, research and applications. Taking these into consideration, the vision of the Department of Mathematics at JIIT is to be a centre of excellence in teaching and research in basic and applied areas of Mathematics. While its mission is to offer academic programmes and courses in contemporary and emerging areas of Mathematics and its applications for the development of analytical and problem-solving skills, to carry out quality research in emerging areas of Pure and Applied Mathematics, and to foster interaction with national and international institutions for enrichment, application and dissemination of knowledge in diverse areas of Mathematics. The Department of Mathematics was created from the very inception of the JIIT and it has a team of highly qualified, dedicated and sincere faculty members. The Department offers M. Sc. (Mathematics) and Ph. D. Program besides offering a comprehensive set of curricula in its disciplines, from value added courses to the courses offered to the doctoral program. There are more than 60 courses taught at graduate, post graduate and research levels catering to the basic needs of the various B. Tech. / M. Tech. / Ph. D. programs of the Institute.

The Department has a strong fervour towards research and development from the very beginning. In their pursuit for research, the Faculty members have covered a vast area such as Fuzzy Topology, Hydrodynamic Stability, Fixed Point Theory, Computational Continuum Mechanics, Computational Fluid Dynamics, Information & Coding Theory, Soft Computing, Numerical Methods, Exact Solutions & Symmetries for Nonlinear Systems, Image Processing, Queueing Theory, Approximation Theory and so on. The entire teaching faculty is actively engaged in research in their respective fields and a significant number of research papers are being published every year in the various journals of repute.

Skills in computational mathematics are needed more than ever before. So, a number of new courses (core as well as elective) have been designed and introduced at graduate and post graduate levels. The field of mathematics however is constantly evolving to the ever changing need and challenges of its practitioners. Therefore, we also need to update ourselves continuously through various activities such as research work, workshops, faculty development programs, guest lectures and conferences. The Department successfully organises international conferences, Faculty Development Programmes (FDP), Short Term Training Programmes (STTP) and other workshops with partial funding from the reputed agencies like CSIR, DST and DRDO.

Processes imbibed in conducting academic and other activities during the academic year due to COVID-19 pandemic: During the COVID -19 period, the department of mathematics conducted the academic activities in online mode. Faculty members have conducted their classes in online mode using the Gsuit platform. The various components of continuous assessment i.e. quiz, assignments, projects based learning, periodic test-1, test-2 were conducted in online mode and proctored end term examination was conducted using Mettl plate form. The research activities by the faculty and scholars were continued in online and off line mode. The end term presentations of the Ph.D. scholars were also conducted in online mode. All the academic activities performed in scheduled time.

➤ Faculty activities
(a) Workshops, Seminars, Symposiums, Conferences (Attended)
National

S. No.	Date	Name Of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized By	Details of event
1	12-06-20 to 12-07-20	TIMC-Summer School on Mathematics	Dr. Lakhveer Kaur The Indian Mathematics Consortium, Kalna College, West Bengal	National event Participation
2	25-07-20 to 10-08-20	Managing Online Classes and Co-Creating MOOCS 3.0	Dr. Dinesh C. S. Bisht Ramanujam College, DU, New Delhi	National event Participation
3	25-07-20 to 10-08-20	2-Week Faculty Development Programme on Managing Online Classes and Co-Creating MOOCS 3.0	Dr. Pankaj Kumar Srivastava University of Delhi, (Ramanujam College)	National event Participation
4	25-07-20 to 10-08-20	FDP on Managing Online Classes and Co-Creating MOOCS 3.0	Dr. Anuj Bhardwaj Ramanujam College, New Delhi	National event Participation
5	25-07-20 to 10-08-20	Two-Week FDP on "Managing Online Classes and Co-Creating MOOCS 3.0"	Dr. Yogesh Gupta TLC, Ramanujam College, University of Delhi, New Delhi	National event Participation
6	24-08-20 to 29-08-20	FDP on Applied Mathematics and Related Fields (AMRF-2020)	Dr. Mohd. Sarfaraz Institute of Applied Sciences and Humanities (IAH), GLA University, Mathura	National event Participation
7	07-09-20 to 12-09-20	Short Term Course: Differential Equations solutions, techniques and Applications	Dr. Lakhveer Kaur IIT Guwahati, Sponsored by AICTE and MHRD	National event Participation
8	14-09-20 to 04-12-20	NPTEL-AICTE FDP on Scientific Computing using MATLAB	Dr. Pato Kumari NPTEL-AICTE	National event Participation
9	14-09-20 to 04-12-20	NPTEL-AICTE FDP on Scientific Computing using MATLAB	Dr. Neha Singhal NPTEL-AICTE	National event Participation
10	15-09-20 to 19-09-20	Fixed point theory and its applications	Dr. Neha Singhal, Manipal University, Jaipur	National event Participation
11	15-09-20 to 19-09-20	Fixed point theory and its applications	Dr. Mohd. Sarfaraz Manipal University, Jaipur	National event Participation

S. No.	Date	Name Of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized By	Details of event
12	21-09-20 to 26-09-20	One week Short Term Training Programme: Mathematics: A scientific Research Tool	Dr. Lakhveer Kaur Department of Applied Sciences, Sagar Institute of Research and Technology, Bhopal	National event Participation
13	21-09-2020 to 25-09-2020	5-day online FDP on Universal Human Values for DEEKSHARAMBH	Dr. Neha Ahlawat MHRD, NIT Patna	National event Participation
14	26-09-20 to 30-09-20	Faculty Development Programme (FDP) on "Innovation Management"	Dr. Amit Srivastava AICTE Training And Learning (ATAL) Academy at IPEC Ghaziabad	National event Participation
15	19-10-2020 to 23-10-2020	Online FDP on " Computer Science & Biology"	Dr. Neha Ahlawat AICTE Training And Learning (ATAL) Academy, SRM institute of science and technology	National event Participation
16	23-11-20 to 27-11-20	One Week Online National Workshop On Algebra And Optimization-2020	Dr. Lakhveer Kaur Department of Science and Humanities (Mathematics), NIT Nagaland	National event Participation
17	07-12-20 to 12-12-20	Short Term Training Programme (STTP) under AICTE-AQIS on Artificial Intelligence and 5G Communication Technology	Dr. Pankaj Kumar Srivastava Poornima College of Engineering, Jaipur	National event Participation
18	10-12-20	Online Webinar for UG and PG students	Prof. R. C. Mittal, Akal University, Punjab, India	National event Delivered an invited talk
19	08-01-21 to 14-02-21	Online Teachers Enrichment Workshop on "Algebra & Multivariate Calculus", A joint programme of INSA and NCM	Dr. Lakhveer Kaur, Dr. Harisingh Gaur vishwavidyalaya, Sagar, MP and National Center of Mathematics (IIT-B) and (TIFR)	National event Participation
20	08-01-21 to 14-02-21	Online Teachers Enrichment Workshop on "Algebra & Multivariate Calculus"	Dr. Mohd. Sarfaraz, Dr. Harisingh Gaur vishwavidyalaya, Sagar, MP and National Center of Mathematics (IIT-B) and (TIFR)	National event Participation
21	14-01-2021 to 27-01-21	Two Week Refresher Course on Mathematics and Statistics	Prof. R. C. Mittal, UGC- Human Resource Development Centre, GJSUT, Hisar	National event Delivered an invited talk

S. No.	Date	Name Of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized By	Details of event
22	15-02-21 to 27-02-21	Two-week value added Introductory Course in Latex for Scientific Writing	Dr. Lakhveer Kaur Department of Mathematics, J. C. Bose University of Science and Technology, YMCA	National event Delivered three invited talks
23	05-03-21	Kshitij Mathematics Series	Prof. R. C. Mittal, Deshbandhu College, University of Delhi	National event Delivered an invited talk
	16-03-21 to 30-03-21	Two-Week Refresher Course In "Mathematics"	Dr. Dinesh C. S. Bisht Ramanujam College, University of Delhi	National event Participation
24	16-03-21 to 30-03-21	Two-Week Refresher Course In "Mathematics"	Dr. Pankaj Kumar Srivastava Ramanujam College, University of Delhi	National event Participation
25	18-03-21	Mathematics Lecture Series	Dr. Lakhveer Kaur Department of Mathematics, Amity Institute of Applied Sciences, Amity University, Noida	National event Delivered an invited talk
26	21-05-21 to 03-06-21	Two-Week Value Added Course on "C & C++"	Prof. R. C. Mittal, J. C. Bose University of Science and Technology, YMCA, Faridabad	National event Delivered an invited talk
27	24-05-21 to 29-05-21	Five Days Workshop on Computational Tools for Research in Science and Technology 2021	Dr. Lakhveer Kaur AIAS, Amity University, Noida	National event Participation
28	30-05-21	MATLAB Onramp	Dr. Pato Kumari Mathworks Training Services	National event Participation

International

S. No.	Date	Name Of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized By	Details of event
1	24-07-20 to 26-07-20	International Conference on Advancements in Interdisciplinary Research (ICAIR 2020)	Prof. B. P. Chamola B. M. College, Rajasthan University, Jaipur	International Conference Invited talk
2	28-07-20	International Webinar on the topic Recent Trends in Mathematical Sciences	Dr. Lakhveer Kaur Hans Raj Mahila Mahavidyalaya, GNDU	International event Delivered an invited talk
3	05-08-20 to 09-08-20	Five days International FDP "SCRS International Expert Lecture Series on Nature Inspired Algorithms"	Dr. Pinkey Chauhan Soft Computing Research Society, New Delhi	International event Participation

S. No.	Date	Name Of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized By	Details of event
4	02-09-20 to 06-09-20	International FDP on Advances in technologies, evolving new dimensions in e-society	Dr. Pinkey Chauhan JIS College of Engineering, W. Bengal	International event Participation
5	06-09-2020 to 06-09-2020	Congress on Intelligent Systems September 05-06, 2020	Dr. Pinkey Chauhan Soft Computing Research Society, Delhi, India	International Event Member of organising committee and Chaired session
6	25-09-20 to 29-09-20	International Online Workshop on New Trends in Fuzzy and Rough Set Theory and its Applications[FRSTA-2020]	Prof. Alka Tripathi School of Basic Sciences, Manipal University, Jaipur	International event Participation
7	25-09-20 to 29-09-20	International Online Workshop on New Trends in Fuzzy and Rough Set Theory and its Applications[FRSTA - 2020]	Dr. Amit Srivastava School of Basic Sciences, Manipal University, Jaipur	International event Participation
8	25-09-20 to 29-09-20	International Online Workshop on New Trends in Fuzzy and Rough Set Theory and its Applications[FRSTA - 2020]	Dr. Mohd. Sarfaraz School of Basic Sciences, Manipal University, Jaipur	International event Participation
9	12-10-20 to 14-10-20	Int. Conf. on Advances in “Differential Equations and Numerical Analysis “ (ADENA 2020)	Prof. R. C. Mittal, Indian Institute of Technology Guwahati	International event Delivered an invited talk
10	09-12-2020 to 10-12-2020	Int. Conf. On “Vision of solar Energy in the Kingdom of Saudi Arabia: Applications and Challenges (VSESA 2020)”	Dr. Mohd. Sarfaraz College of Engineering, Al Qassim University, KSA	International Event Participated
11	26-12-2020 to 27-12-2020	2nd International Conference on Communication and Intelligent Systems ICCIS 2020	Dr. Pinkey Chauhan Global Institute of Technology, Jaipur And Rajasthan Technical University, Kota	International Event Member of organising committee
12	05-02-2021 to 06-02-2021	International conference on Scientific and Natural Computing (SNC 2021), GBU	Dr. Pinkey Chauhan Gautam Budha University, Greater Noida, U.P	International Event Chaired Session
13	06-02-21 to 08-02-21	2nd International Conference on Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy(MMCITRE2021)	Prof. B. P. Chamola Pandit Deendayal Energy University, Gandhinagar, Gujarat and Forum for Interdisciplinary Mathematics	International Conference Invited talk

S. No.	Date	Name Of Conference/ Workshop/Seminar Attended	Total Faculty Participated & Organized By	Details of event
14	04-03-21 to-06-03-21.	6th Biennial International Group Theory Conference - 2021 (6BIGTC-2021)	Prof. B. P. Chamola School of Advanced Sciences, Vellore Institute of Technology, Vellore, Tamil Nadu, India; in association with Ferdowsi University of Mashhad, Iran	International Conference Session Chair
15	09-04-21 to 11-04-21.	International Conference on Analysis and Its Applications-2021 (ICAA_Nepal_2021)	Prof. B. P. Chamola Nepal Mathematical Society (NMS) in collaboration with Tribhuvan University (TU); Kathmandu University (KU), South Asian University (SAU) New Delhi India; Association of Nepalese Mathematicians in America (ANMA) USA and Nepal Sanskrit University (NSU)	International Conference Invited talk

(b) Conferences /Workshops / Faculty Development Programs (Organized)
National

S. No.	Date	Name Of Conference/ Workshop/Seminar Organized	Total Faculty Participated & Organized By	Details of event
1.	13-07-20 to 18-07-20	Faculty Development Program on Soft Computing Techniques and their Applications	103, Department of Mathematics, Jaypee Institute of Information Technology, Noida	National FDP
2.	06-11-20 to 07-11-20	Workshop on Scientific Research Tools for Enriching Skills in Science and Technology	92, Department of Mathematics, Jaypee Institute of Information Technology, Noida	National Workshop
3.	22-12-20	National Mathematics Day Celebration	51, Department of Mathematics, Jaypee Institute of Information Technology, Noida	National Seminar
4.	14-06-21 to 26-06-21	Two Weeks Short Term Training Programme on Advances in Linear Algebra: Technology based Innovations	80, Department of Mathematics, Jaypee Institute of Information Technology, Noida	International STTP 2 participants from outside India

International

S. No.	Date	Name Of Conference/ Workshop/Seminar Organized	Total Faculty Participated & Organized By	Details of event
1.	14-06-21 to 26-06-21	Two Weeks Short Term Training Programme on Advances in Linear Algebra: Technology based Innovations	80, Department of Mathematics, Jaypee Institute of Information Technology, Noida	International STTP 2 participants from outside India

(c) Workshops / Faculty Development Programs (Organized)

1. A Faculty Development Program on “Soft Computing Techniques and their Applications” was organised during July 13, 2020 - July 18, 2020 by Department of Mathematics, JIIT Noida. In this faculty development program, meta-heuristic techniques like Teaching Learning based Optimization, Sine-Cosine Algorithm, Particle Swarm Optimization, Ant Colony Optimization, Artificial Bee Colony Technique and Grey Wolf Optimization were discussed. Speakers described these algorithms and also elaborated with the help of simple examples. Applications and advantages of these soft computing techniques were also discussed. Training of the parameters involved in these algorithms were very useful for the participants for better visualization and analysis of the results. Manual solution and term by term explanation of the questions along with explanation through MATLAB and Python boosted the confidence of participants. Discussion on recent advances in these meta heuristic techniques were very beneficial for the researchers. Apart from these optimization techniques, Artificial Neural Network and Deep Learning were also discussed. How one may predict the cases of COVID 19 pandemic using multilayer neural network drew the attention of audience. This faculty development program received great interest from around 170 number of candidates across the country. Due to our limitations, 103 participants were selected. All the selected participants have attended the FDP with full zeal and attention.
2. A Workshop on Scientific Research Tools for Enriching Skills in Science and Technology was organized during Nov 06-07, 2020. The objective of this workshop was to explore multidimensional significance of various scientific research tools that enhance the beauty of research and science. The focus of the event was to explore the indispensable facts about MATLAB, R, Python, Jupyter Notebooks and many more used for the research. The idea is to stimulate young researchers, students and professionals for producing a quality research paper, project proposals with efficient ideology and ways of handling research tools behind the research techniques.
3. National Mathematics Day Celebration was organized on December 22, 2020. The event focused mainly on the glory and highlights of the research work done by Srinivasa Ramanujan during his short span of life journey in the field of mathematics. In addition to the Srinivasa Ramanujan, the work and life struggles of many other worthy and esteemed mathematicians were appreciated and graced upon.
4. Two Weeks Short Term Training Programme on Advances in Linear Algebra: Technology based Innovations was organized during Jun 14-26, 2021. Linear algebra is essential to almost all areas of mathematics, especially in mathematical modelling of natural phenomena and it finds potential applications in Principal component analysis, Singular value decomposition, Word embeddings, Latent semantic analysis, Image representation as Tensors and many more. Furthermore, Linear algebra, is the backbone of many Machine learning and Data science algorithms. The primary focus of STTP was to explore contemporary and advanced revolutions in multi-dimensional field of Linear algebra with special focus on applications in technology based innovations.

(d) Invited Expert Lectures/ Webinars by Guest Speakers

S. No.	Date	Expert Lectures	External Expert(S)
1	30-06-21	Expert talk on the topic “Some aspect of shadow and accretion disk around wormholes”	Prof. Farook Rahaman, Department of Mathematics, Jadavpur University, Kolkata.

(e) Other Events:

- An Online alumni meet “SIGMA 2021” of the department of Mathematics was organised on 26th June 2021. Several alumni and faculty members participated in this meet. Overall, the session was interactive. Alumni showed their willingness for a close association with the institute and students.
- An interactive session on career guidance for M.Sc. students was conducted by the Department of Mathematics in online mode through Google meet from January 12-16, 2021 between 3:00-4:00 PM every

day. Five faculty members of our department shared their views and experiences as well as provided tips to crack CSIR-UGC-NET/GATE and other competitive exams with the students.

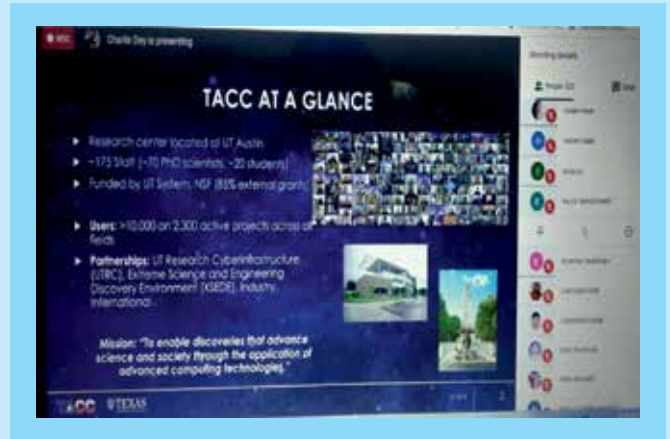
(f) Qualified student

S. No.	Name	Roll No. (JIT)	Name of competitive exam	Organizing body	Year & Month appeared
1.	Nishtha Tomar	19908003	GATE	IIT Bombay	13.02.2021

Some Photographs of the Events:



FDP JULY 2020



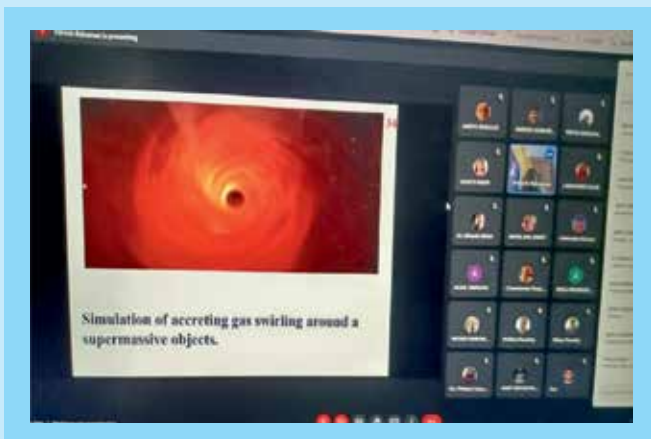
WORKSHOP NOV 2020



NMD DEC 2020



STTP JUN 2021



EXPERT TALK/WEBINAR JUN 2021



ALUMNI MEET JUN 2021

Department of Physics and Materials Science & Engineering



Department of Physics and Material Science and Engineering is trying hard to become one of the pioneer departments in the field of teaching and research in the fundamental as well as applied areas of Physics and Materials Science since its inception in 2001. At present, department is actively involved not only in teaching of various courses for the different UG and PG programs of engineering but also offers M.Tech program in Materials Science and Engineering and Ph.D. program in Physic and Materials Science and Engineering.

With a strong team of 24 faculty members having high academic and research credentials, the research endeavours of department cover diverse areas of theoretical and applied Physics which includes research areas of Nanoscience and Multifunctional Nanomaterials, Energy and Advanced Functional Materials, Atomic and Molecular Physics, Photonics and Plasmonics, Quantum Optics and Quantum Information, Optical Sensors, Vibrational Spectroscopy, Raman Spectroscopy, Solid State Ionics, Diluted Magnetic Semiconductors (Spintronics), Thermoelectric and Superconducting Materials and Laser Plasma Interaction. Currently, there are six ongoing research projects of worth Rs 389.08 Lac in the department funded by DST, DRDO, SERB, MODROB scheme by AICTE. In last few years, nine research projects of worth Rs. 183.85 Lac sanctioned by AICTE, DST, and DRDO have been completed successfully. Faculty members of the Department have been actively working with many leading universities/institutes in the world like: Palacky University, Czech Republic; University of Nebraska at Omaha, USA; University of New Brunswick, Canada; Adam Mickiewicz University, Poznan, Poland; RIKEN, Japan; University of Pittsburgh, USA; University of Malaya, Malaysia; Stuttgart University, Germany; CIICAp-Universidad Autonoma del Estado de Morelos, Mexico. Existing international collaborations have led to many exciting research output and externally funded projects which definitely enhance the academic ambience of the Department.

The department has well equipped curricular laboratories for UG and PG programs, research laboratories

with modern research equipment's including several setups for materials synthesis, processing and an advanced materials characterization laboratory with sophisticated devices. The department has published more than 350 research papers in high impact international journals. The department is committed to uphold high standards of teaching and research. With the aim of enhanced interaction of the faculty with the global research community, department regularly organizes national/international workshops and conferences with active participation from all over the world. Faculty members as well as research scholars of the department enthusiastically participate in various academic and research activities held in India and abroad. Besides, the department organizes Faculty Development Program (FDP) every year and frequently invites external experts for delivering talks in the department. The faculty members regularly deliver talks at various reputed national and international institutes and prestigious national and international conferences.

The department has produced 28 Ph.D. scholars. M.Tech. and Ph.D. students graduated from the department have been successful in achieving faculty positions in reputed institutes and organizations and many of them have received prestigious international and national doctoral and post-doctoral fellowship such as Japanese Society for the Promotion of Science (JSPS, Japan), Kothari Fellowship (DST, India) and National Post-doctoral Fellowship (DST, India).

➤ Facilities including Labs

In order to facilitate curricula-based Physics experiments for B. Tech. students, department has two well equipped laboratories. Moreover, to conduct research on synthesis and characterization of materials, there are three advanced labs for M.Sc. and Ph.D. scholars of Physics and Materials Science & Engineering. These laboratories are equipped with many high-end facilities for PG and PhD students. Some important equipment/ research facilities are enlisted as follows:

Name of Equipment	Make
X-Ray diffractometer (Shimadzu-6000)	Shimadzu
FTIR spectrophotometer (Spectrum BX-II)	PerkinElmer
UV-VIS spectrophotometer (Lambda 35)	PerkinElmer
Luminescence spectrometer (LS-55)	PerkinElmer
Hioki LCR meter 3522-50	Hioki
Impedance Analyzer (PSM 1735)	Newtons4th Ltd
Impedance Analyzer (Alpha A-Tech)	Novo Control
Vacuum Coating Unit	Hind High Vac
Optical Microscope with accessories	NISCO
Low temp. luminescence accessories	PerkinElmer
Dual analytical balance	Citizen
Nano-voltmeter	Keithley
AC and DC Current Source	Keithley
Digital Multi-Meter	Keithley
Water purification system	Millipore
Spin coating unit	Apex Instrument
PE-loop measurement	Marine India
Micro processor controlled furnace with sample holder	Jupiter
Electromagnet HEM-200 (1.5 Tesla)	Polytronic Corporation
High Temp. muffle furnace	Jupiter
PVD System vacuum operated	Metrex

Name of Equipment	Make
Workstation	Netweb Technologies
Abbe refractometer	Batra
Fiber optics spectrometer with accessories	Ocean optics
Optical table with accessories	Sandvic
Vibration free optical bench	Hallmarc
Essential optical elements for performing quantum cryptography	Thorlabs
Electron spin resonance spectrometer ESR-105	SES instruments
DSO, 50MHz, 2 channels, ETS 50 GSa/s, 32k memory depth & 7" TFT LCD (3 No.)	Scientific
Function generator 10 MHz (2 No.)	Scientific
Function generator 30 MHz arbitrary	Scientific

➤ **Faculty activities**

(a) Workshops, Seminars, Symposiums, Conferences (Attended)

International

S. No.	Date	Name Of Conference/ Workshop/ Seminar Attended	Total Faculty Participated & Organized By
1	13-07-20 to 16-07-20	2020 OSA Advanced Photonics Congress	1 Optical Society of America, Washington DC, USA
2	15-10-20 to 16-10-20	International Symposium on Energy Conservation and Solar Energy	1 School of Basic and applied Sciences, G D Goenka University Gurgaon, Haryana
3	02-10-20 to 31-10-20	VAIBHAV Summit	1 Government of India, New Delhi

National

1	10-04-20	Mindful Strategies for Work-Life Balance	1 Department of HSS, JIIT Noida
2	15-04-20 to 17-04-20	Data Analysis Techniques Using SPSS Software	1 Department of HSS, JIIT Noida
3	21-07-20 to 23-07-20	Three day workshop on Metal recovery from Industrial Waste	1 Scientific Planet Society, Dehradun
4	25-07-20 to 26-07-20	National Conference on Functional Materials	1 Department of Physics, Sharda University, Greater Noida
5	29-07-20 to 31-07-20	e-Workshop on Docking, QSAR and Molecular Dynamics	1 Department of Pharmaceutical Chemistry, Ramaiah University of Applied Sciences, Bengaluru, Karnataka
6	30-07-20 to 31-07-20	Grant Writing Process for Innovative & Entrepreneurial Ideas	1 Chitkara University, Punjab & Indira Gandhi Delhi Technical University for Women, Delhi
7	26-09-20	E-conclave on national education policy 2020 reforms and implementation	1 International Institute of Management & Technical Studies, UK
8	17-09-20 to 19-09-20	Three days hands on workshop on Bioinformatics tools in Research	1 JIIT Noida
9	12-10-20 to 23-10-20	Refresher course in Engineering Physics	1 Applied Sc. Dept., NITTTR, Chandigarh
10	06-11-20 to 07-11-20	Scientific research tools for enriching skills in Science and Technology	1 Department of Mathematics, JIIT Noida

11	23-11-20 to 27-11-20	One Week STTP on Computational Tools for Physics (CTP-2020)	1 Department of Applied Physics, SVNIT Surat
12	22-12-20	National Webinar on Current Scenario and Future Challenges with Emphasis on Awareness about COVID-19 Pandemic	1 NASI, Delhi Chapter
13	23-01-21 to 25-01-21	Challenges of teaching Physics Laboratory Courses in Online Mode	1 Department of Physics and Astrophysics, University of Delhi and NASI, Delhi Chapter
14	15-01-21 to 16-01-21	Two days webinar on Characterization Techniques for Smart Materials	1 Department of Physics, College of Basic Sciences and Humanities, CCS Haryana Agricultural University, Hisar, Haryana
15	18-02-21 to 20-02-21	Quantum-Matter Heterostructures	1 IIT Roorkee
16	12-03-21 to 14-03-21	Science Academies Virtual Lecture Workshop on Elements of Quantum Information	1 Christ Church College, Kanpur (UP) and Indian Academy of Sciences, Bengaluru
17	07-04-21 to 08-04-21	Managing Personal Finances	3 Department of HSS, JIIT Noida
18	10-04-21	Workshop on Mindful Strategies for Work-Life Balance	1 JIIT Noida
19	16-04-21 to 17-04-21	Workshop on Omics Data Analysis	1 JIIT Noida
20	17-05-21 to 21-05-21	NBA accreditation and examination reforms	1 Electronics and Communication Engineering Dept., NITTTR, Chandigarh
21	10-06-21	Webinar on R&D Services through I-STEM Portal	1 Indian Science Technology and Engineering Facility Map, New Delhi
22	26-06-21	Webinar on Skill and Nature based Opportunities: Trekking and Sustainable Tourism	1 National Educational Enrichment in Villages-IIT Delhi Alumni Association, Delhi

(b) Workshops, seminars, symposiums, conferences (Organized)

National

S. No.	Date	Name Of Conference/ Workshop/ Seminar Organized	Total Faculty Participated & Organized By
1	13-03-21 to 14-03-21	JIIT-OSA student Conference on Optics and Photonics (JSCOP-2021)	25 JIIT-OSA Student Chapter Noida

• JIIT Student Conference on Optics and Photonics-2021 (JSCOP-2021) on 13-14 March 2021

The event was graced by various eminent professors and scholars from all over the country, along with a footfall of more than 160 attendees in two days comprising of undergraduates, postgraduates, Phd scholars and faculty members. We started with online registrations from 7th March 2021. On 13th March JSCOP-3.0 started its official inauguration in the presence of Prof. S. C. Katyal, Head of the Department of Physics and Materials Science and Engineering, JIIT Noida and Dr. Gagan Kumar, Associate Professor, Department of Physics, IIT Guwahati, PMSE faculties and a resplendent welcome to all the esteemed guests by JIIT OSA President, Divyansh Jain followed by the greeting from JIIT OSA Faculty Advisor, Dr. Anuraj Panwar. The energy, the anticipation of the greater things to come was palpable in the air as was the yearning for erudition. The president of our chapter, Mr. Divyansh Jain also briefed the gathering about The Optical Society and the benefits of joining the OSA student chapter. The event of two days was mainly comprised of 4 sessions including 6 talks by eminent speakers with one Codeathon (Hackathon competition), brain box (quiz competition) and one poster competition. On 13th March firstly Dr. Gagan Kumar, Associate Professor, IIT Guwahati, India explained terahertz and plasmonics as next-generation technology. Terahertz

technology has the potential to develop the next generation ultra-high-speed communication devices and highly sensitive sensors. In this webinar terahertz applications and their researches globally was discussed. Source and Detector for THz radiation generation, it's waveguides were discussed. He also told about the working and making of plasmonics waveguides. Dr. Rakesh Kumar Singh, Associate Professor, IIT BHU explained about "Developing Quantitate Imaging Microscope with Chaotic Light". How chaotic light could be used for Quatitate Imaging Microscope analysis. In session 2 the quiz competition aka Brain Box was organised by members of JIIT-OSA Student Chapter. The quiz was held on quizizz.com, which is an online platform for quiz. The quiz was held in two rounds. The questions in round 1 was based on Science and Technology having 35 questions. The round 2 was based on Technical knowledge having 25 questions. The winners of competition were decided by the combined total scores of both rounds. In evening time Dr. Carlos L. Mariscal, Appalachain State University Boone, USA talked on "Tailoring custom polarization states". He explained tailoring custom polarization states for the application of underwater photonics. we can use it to detect some objects underwater. After that the hackathon competition aka Codeathon, is a coding-based competition, was organised by Coding Ninjas on their own online platform at codingninjas.com. The competition consisted of 4 coding question of varying difficulty level and the winners was decided by coding ninjas.

On 14th March 2021 Prof. V. Sekkar Cochin University of Science and Technology, Kochi & Former Scientist, VSSC, ISRO on "Propellant systems being adopted for ISRO launch vehicle programs". He explained the brief history of Indian Space Programmes (Insights in Vikram Sarabhai's life, first rocket launch). After that Dr. Rhythm Singh, Assistant Professor, Department of Hydro and Renewable Energy, IIT Roorkee talked on "PV Potential Estimation" by Dr. Singh imparting the knowledge about Renewable Energy Sources, Green energy, and Solar Power and explained PV potential estimation. Dr. Vidhu S. Tiwari, Visiting Faculty, IIIT-Sonapat & DCRUST, Haryana. Dr. Tiwari discussed "Laser Raman Spectroscopy based Optical Fiber Sensors" by Laser Raman Spectroscopy based Optical Fiber Sensors. parameter. Several sensors have been reported until the date, and more are expected to be developed due to the remarkable characteristics such fibers can offer. After that Codeathon Solution Webinar was held to discuss the questions and their possible answers of the Codeathon competition, which was held prior to the day of webinar. The webinar was held by Navdeep Sandhu, an excellent coding expert working at Coding Ninjas. The webinar was interactive as participants discussed how a particular question could be solved in a different way. On same day poster presentation competition aka Iridescence was organised by members of JIIT-OSA Student Chapter and was held online on Google Meets. The competition was judged by the panellist which was consisted of Dr. Anuraj Panwar, Dr. Ashish Bhatnagar, Dr. Manoj Tripathi, Dr. Updesh Verma. The winners of the competition were decided by the panellist. At last a Valedictory function was organized to announce the prizes and trophies to the winners. Dr Anuraj Panwar, Faculty Advisor JIIT-OSA Student Chapter, gave the vote of thanks to all speakers, guests and eminent scholars for making this conference successful.

• **Invited/Expert Talk in Department**

S.No.	Date	Expert Lectures	External Expert(S)
1	17-10-20	Practical Challenges in satellite based quantum communication	Dr. Chithrabhanu Perumangatt, NUS Singapore
2	14-12-20	Ultra-cold Alkali Atomic Gases	Dr. Ayan Khan, Bennett University, Greater Noida
3	03-01-21	Broadcasting of Correlations in Quantum World	Dr. Indranil Chakrabarty, IIIT Hyderabad
4	06-01-21	Bell's theorem, entanglement, quantum teleportation and all that	Prof. Sir Anthony J. Leggett, University of Illinois, USA
5	21-04-21	Emerging Materials for Quantum Technology	Prof. Arindam Ghosh, IISc Bengaluru

JAYPEE BUSINESS SCHOOL

Jaypee Business School (JBS) was started in the year 2007 as a constituent of Jaypee Institute of Information Technology (declared deemed to be University u/s 3 of the UGC act). Now it has established itself amongst the new generation of B-schools in India. The BBA and MBA program of JBS train students to successfully manage, lead, organize and adapt in the changing business scenario. The programs equip the students with practical skills as well as theoretical knowledge.

Vision

To be a centre of excellence for grooming management professionals for providing leadership in industries organizations and venture into entrepreneurship.

Mission

MISSION 1: To offer management education for enhancing knowledge and skills across functional areas through benchmarked curriculum using innovative teaching learning methods.

MISSION 2: To conduct contemporary and futuristic interdisciplinary research in areas of management.

MISSION 3: To interact with industry and other stakeholders and establish effective linkages for professional and entrepreneurial enrichment of management professionals.

➤ Facilities Including labs

Jaypee Business School has 2 computer labs providing computational facility of more than 100 computer nodes interconnected via LAN. All the computer / node in the lab has configuration of Intel i5 with 8 GB RAM. These nodes are running on the Windows 2010 platform and are equipped with state of art software, like SPSS and AMOS and other open-source software like Tableau-Desktop version. JBS puts a great emphasis on laboratory work. While laboratories are also used for developing skills to use and apply various concepts,

tools and techniques, their main purpose is to develop the general professional competencies through experiential and collaborative learning.

➤ **Online Teaching, Examination and Assessment**

Teaching: Covid – 2019 has forced us to impart / conduct classes in an online mode using Google suite platform. The switch from offline to online classes was facilitated through organizing our resources through timely training and webinars on e-learning for faculty members. This resulted in increased participation of students in classes through presentation, discussion and flipped classroom.

Examination: The online examination and assessment were carried out for all the students. The test T1 and T2 was conducted through Google Quiz in a proctored mode with students attempting their tests keeping their camera on.

The End semester examination for both Odd and Even Semester was conducted online on a Mercer Mettl Platform with complete proctoring features.

➤ **IT Infrastructure and Facilities**

JBS is one of the few Indian B-School which can boast of its state-of-the-art computing resources and network across the campus. It has Central IT Infrastructure for IT support. The main objectives of the dedicated Server Room (IT Infrastructure Center) are to provide easily accessible and excellent computational facilities, support to all members on all aspects of academic, research and recreational requirements, to implement and maintain IT Infrastructure and application software, to impart introductory and advanced instructions to users, generate trained manpower to maintain IT Infrastructure (Servers, Desktops, Data Security, University Network), to provide support to Institute computerization efforts, to do in house research & development, and to serve a user population of more than 4500 users consisting of undergraduate, postgraduate, research scholars, faculty and staff of the University. In addition, it also owns the responsibility to develop and implement application software for various needs of University like finance, payroll, results, MIS reports and electronic attendance system etc.

➤ **Visiting/ Guest Faculty**

In order to provide contemporary industry perspective to the students, senior practitioners/executives from different industries were invited to interact with the students at following two levels:

Visiting Faculty: The executive from the industry and academicians were invited to teach full course to the students. A list of visiting faculty who taught to MBA students in this academic year are;

Period	Name	Course Title
One week from 17 October-2020 onwards.	Dr. Patrick McNamara, Professor, University of Nebraska, Omaha, USA.	Social Entrepreneurship
20 Feb- 10 May-2021	Prof. Dr. SS Khemka, Former Professor – Delhi University	India’s Diversity and Business and Indian Ethos and Business Ethics
18 January -8 April, 2021	Mr. Kumar Biswas, Ex-GM, BPCL	Strategic Quality Management

Guest Lectures: Distinguished experts from industry and academia were invited to conduct sessions on contemporary issues prevailing in business from time to time. A list of guest faculty who interacted with JBS students is as under:

S. No.	Date of Visit	Name	Designation	Company
1	07-07-2020	Strategies for Effective e-learning: Theoretical Foundations and Best Practices (Online)	Prof. Deepak Khazanchi	University of Nebraska, USA

S. No.	Date of Visit	Name	Designation	Company
2	13-08-2021	Mr. Prakash Shukla	President	Mahindra Aerospace Systems
3	23-10-2020	Disruptions in World Trade: Implications For India	Dr. Ram Singh	Professor, IIFT Delhi
4	24-10-2020	Disruptive Ways to Strengthen UK-India Bilateral Economic Corridor	Mr. Jayant Krishna	Group Chief Executive Officer UK-India Business Council
5.	30-10-2020	Guest Lecture on Skills Required in the Era of Digital Transformation	Prof. Teena Bagga	Amity University, Noida
6	09-11-2020	Strategies for Managing Personal Finance including Mutual Funds During & After COVID-19	Mr. Raghu Vilasangram Mr. SK Sharma Mr. Anup Agrawal	AGM, SEBI Chartered Associate IIBF AVP, NSDL e-Governance Infrastructure Limited
7	05-12-2020	Warehousing Activities and Performance	Mr. Anish Kumar	Warehouse In-charge, E-Commerce, Flipkart
8	09-12-2020	"Impact of Covid19 on global supply chains and quality management."	Mr. Kumar Biswas	Former GM, BPCL

➤ Seminars/Webinars/Workshops/Development Program

These activities are organised for the students to participate and learn contemporary issues and skill sets required for grooming them beyond classroom.

Webinars

Sr. No.	Date	Webinar Topic	Speaker
1	07 to 09-12 2020	3 days Finance Conclave on Contemporary Issues	1. Mr. Rajeev Dalmia Chief Finance Officer, Dish TV 2. Dr. Niti Nandini, Associate Professor, Indian Institute of Foreign Trade (IIFT) 3. Mr. S Balasubramaniam, Former Executive Vice President & CFO, Zensar Technologies
2	28-01-2021	Panel discussion on "Marketing - Yesterday, Today and Tomorrow"	Guests: (i) Prof. Dr. Vinay Sharma, IIT Roorkee (ii) Ms. Anchal Kaushal, (iii) Mr. Rahul Balyan
3	27-02-2021	Panel Discussion- "HR Challenges for the New World Order"	i. Mr. S.Y. Siddiqui, Chief Mentor- Maruti Suzuki, India ii. Mr. Sanjay Chaturvedi, Head HR, Volvoline Cummins Pvt. Ltd. iii. Prof. Subir Verma, HRM and OB, Fore School of Management, Delhi

Sr. No.	Date	Webinar Topic	Speaker
4	27-02-2021	Panel Discussion- “HR Challenges for the New World Order	i. Mr. S.Y. Siddiqui, Chief Mentor- Maruti Suzuki, India ii. Mr. Sanjay Chaturvedi, Head HR, Volvoline Cummins Pvt. Ltd. iii. Prof. Subir Verma, HRM and OB, Fore School of Management, Delhi
5	05-03-2021	Webinar on Opportunities in Entrepreneurship for Management Students	Ms. RituMarya, Editor in Chief, Entrepreneur Media
6	17-03-2021	Panel Discussion on “Gender Sensitivity”	Ms. RituMarya, Editor in Chief, Entrepreneur Media
7	17-03-2021	Panel Discussion on “Gender Sensitivity”	Ms. RituMarya, Editor in Chief, Entrepreneur Media
8	03-05-2021	Webinar on Opportunities in Entrepreneurship for Management Students	Ms. RituMarya, Editor in Chief, Entrepreneur Media
9	21 to 26-06 2021	CDP-Research Methodology and Data Analysis	1. Dr. Rajnish Kumar Misra, Prof., JBS, ii. Dr. Rahul Sharma, Associate Prof., JBS, iii. Dr. Shri Ram, Assistant Prof., JBS, iv. Dr. Raj M. Desai, Associate Prof., Edmund A. Walsh School of Foreign Service, Georgetown University

Workshops

S. No.	Dates	Guests	Designation	Organization	Program
1	21-06-2021	Dr. A.V. Surya	CEO	Convergentviews Inc	Competency Development Program
2	24-06-2021	Prof. Raj. M. Desai	Associate Professor	Georgetown University USA	Competency Development Program

Staff Development Program

S. No.	Dates	Program	Duration	No. of Participants
1	26 to 30 Oct 2020	One Week Virtual Skill Development Program by JBS, IIIT, Noida	5	40

Faculty Development Program

S. No.	Dates	Program	Duration	No. of Participants
1	21-26, 2020	Research Methodology and Data Analysis	One week	38

Executive / Management Development Program

S. No.	Dates	Program	Duration	No. of Participants
1	08 to 29-05 2021	Online Executive Development Program in Business Analytics	i. Prof. Renu Luthra, Vice Provost, JIIT, ii. Dr. Mansi Khurana, Corporate trainer in Areas of Statistics, Data Modeling, Business, iii. Dr. CharuSijoria, Assistant Professor, JBS, iv. Prof. Ajit Kumar, Assistant Professor, JBS	04

➤ National Conference on Sustainability in Business Practices

September 25-26, 2020

Conveners : Dr. Sujata Kapoor and Dr.CharuSijoria

Theme and objective: The two-day conference was organized by JBS in September 2020 in an online mode. The conference aimed at providing a platform to business managers and academic researchers to share and update their knowledge for sustainable business and keep pace with the sustainable environment.

Tracks

1. Sustainable Practices in People's Management
2. Environmental Sustainability
3. Sustainable Marketing
4. Sustainable Finance
5. Business Ethics for Sustainable Development
6. Sustainable Operations
7. Sustainability Analytics: A Key to Transparency

Number of Papers received: 65

Number of Papers accepted: 60

Number of Papers presented: 36

Details of Plenary / keynote speakers, Chief-Guest:

1. Mr. Anand Rajaganesan, Principal Consultant & Advisor - HR HCL Technologies
2. Dr.Radha Sharma, Professor (OB & HR), MDI Gurgaon
3. Prof. M. P. Gupta, Head of Management Department, IIT Delhi
4. Mr. Sushil Sharma, Additional General Manager, NTPC
5. Dr. B. Chandra, Former Professor (Department of Maths), IIT Delhi
6. Prof. V. K. Kaul, Professor of Business Economics, University of Delhi
7. Prof. C. P. Gupta, Professor of Finance, Department of Financial Studies, South Campus, University of Delhi

- 8. Dr. V. P. Singh, Advisor (Corporate Relation and Development), Jaipuria Institute of Management, Noida
- 9. Dr. D. V. Shastry, Executive Director (Training, R & D and Start-up) GAIL India Ltd.

Details of participations:

Number of Registered participants		
Abroad	India	
	External	Internal
Nil	36	180

The abstract of the conference proceedings was published in e-book form by Excel India Publishers.

Publications with JIIT Affiliation during Academic Year 2019-2020



Table 1: Summary of Publications

S. No.	Publication Type	Total
1	International Journals	214
2	National Journals	4
3	International Conferences	130
4	National Conferences	1
5	Chapter Publication	77
6	Book Publication	1
	Total	427

List of Publications Year 2020

Journals

S. No.	Full Reference
1	S. Gupta and V. Gupta. "Homology modeling, structural insights and in-silico screening for selective inhibitors of Mycobacterial CysE" <i>Journal of Biomolecular Structure and Dynamics</i> . Feb. 2020 Available at https://doi.org/10.1080/07391102.2020.1734089
2	M. Antil, S. G. Gouin and V. Gupta. Truncation of C-terminal intrinsically disordered region of mycobacterial Rv1915 facilitates production of "difficult-to purify" recombinant drug target" <i>Frontiers in Bioengineering and Biotechnology</i> . May 2020. Available at https://doi.org/10.3389/fbioe.2020.00522
3	A. Kaur, Kuldeep Nigam, Sukriti Srivastava, Amit Tyagi, Shweta Dang, Memantine Nanoemulsion: A new approach to treat Alzheimer's Disease, <i>Journal of Microencapsulation</i> , Pages 355-365, April 2020 https://doi.org/10.1080/02652048.2020.1756971
4	A.Kaur, Kuldeep Nigam, Sukriti Srivastava, Amit Tyagi, Shweta Dang, Treatment of Alzheimer's diseases using Donepezil Nanoemulsion: An intranasal approach, <i>Drug Delivery and Translational Research</i> . April 2020 https://doi.org/10.1007/s13346-020-00754-z
5	Kuldeep Nigam and Shweta Dang "Giemsa Staining of some nano-formulations on neuroblastoma cell line" <i>Nanoscience & Nanotechnology-Asia</i> , vol. 10(3), 2020, DOI : 10.2174/2210681210999200508084714
6	S.Sharma, S Dang, Neuropsychological Disorders and their Nano-carries, <i>Current Pharmaceutical Design</i> , 2020, 26, 1-10 DOI : 10.2174/1381612826666200224111241
7	A. Kaur, R. Gabrani and S. Dang, "Antimicrobial activity of nanoemulsion encapsulated with polyphenon 60 and ciprofloxacin for the treatment of urinary tract infection", <i>Advances in Traditional Medicine</i> , 2020, DOI : https://doi.org/10.1007/s13596-020-00483-1
8	G. Sharma, S. Dang, Aruna K, M. Kalia, R. Gabrani, "Synergistic antibacterial and anti-biofilm activity of nisin like bacteriocin with curcumin and cinnamaldehyde against ESBL and MBL producing clinical strains" <i>Biofouling</i> 2020 DOI:10.1080/08927014.2020.1804553
9	G. Agarwal, R. Gabrani, Antiviral Peptides: Identification and Validation. <i>International Journal of Peptide research and therapeutics</i> May 18;1-20. 2020. DOI: 10.1007/s10989-020-10072-0
10	R. Ghildiyal, R. Gabrani, "Antiviral therapeutics for chikungunya virus" <i>Expert Opin Ther Pat</i> . Vol. 30, pp. 467-480, 2020 DOI: 10.1080/13543776.2020.1751817
11	G. Sharma, H. Gupta, S. Dang, S. Gupta, R. Gabrani, "Characterization of antimicrobial substance with antibiofilm activity from <i>Pediococcus acidilactici</i> " <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , vol. 9 (5), pp. 979-982, April-May 2020
12	A. Khare, S. Gaur , "Cholesterol lowering effects of <i>Lactobacillus</i> species", <i>Current Microbiology</i> , vol.77, pp. 638-644, 2020, https://doi.org/10.1007/s00284-020-01903-w .
13	M. Maheshwari, A. Gupta and S. Gaur, "Probiotic potential of traditional Indian fermented drinks", <i>Current Nutrition & Food Science</i> vol 16, no 5, pp. 638-643, 2020, 16:1 https://doi.org/10.2174/1573401315666190821113406
14	S. Nagar, C. Talwar, S. Haider, A. Puri, Kalaiarasan Ponnusamy, M. Gupta, U. Sood, Abhay Bajaj, Rup Lal, Roshan Kumar, "Phylogenetic relationships and potential functional attributes of the genus <i>Parapedobacter</i> : A member of family Sphingobacteriaceae", <i>Front. Microbiol.</i> , 04 September 2020 https://doi.org/10.3389/fmicb.2020.01725
15	N Patel , Passi K, Jain CK. (2020) Improved Prediction of Breast Cancer on Epigenomics Data using Feature Selection and Machine Learning, <i>Adv Proteomics Bioinform</i> , March 2020, 03: 115. (ISSN: 2690-0092)DOI: 10.29011/2690-0092.100015

S. No.	Full Reference
16	P.Patel, , K., Passi , CK.Jain, Efficacy of Non-negative Factorization for Feature Selection in Cancer Data, International Journal of Data Mining & Knowledge Management Process (IJDKP),2020, Vol. 10, No. 4, DOI 10.5121/ijdkp.2020.10401
17	P.Chakravorty, Srivastava, N., Ibeyaima, A., Sarethy, I.P. “Antimicrobial and antioxidant compounds in endophyte isolate L-003 obtained from the aquatic plant Nelumbo nucifera” The Natural Products Journal, DOI: 10.2174/2210315509666190114143222, Vol. 10 , no. 2, pp 139-144, Feb. 2020 [Indexed in SCOPUS]
18	N.Srivastava, .Sarethy, I.P. “Metabolite Fingerprinting of Novel Streptomyces UK-238 from the Himalayan Forest”, Current Pharmaceutical Analysis, vol. 16, March 2020. (E-pub Ahead of Print). https://doi.org/10.2174/1573412916666200206160836
19	M. Jain, P. Yadav, Priyadarshini. “Proteomics study in Urolithiasis”. Current Proteomics, 2020, 17 DOI: 10.2174/1570164616666190722161823 [Scopus Indexed Impact factor: 0.768]
20	M. Rana, AditiJain, Vibha Rani, Papia Chowdhury, Glutathione capped core/shell CdSeS/ZnS quantum dots as a medical imaging tool for cancer cells; Inorganic Chemistry Communications; Volume 112, February 2020, 107723.
21	S. Mani, S. N. Rao, M V Kranthi Kumar. G6036A substitution in mitochondrial COX I gene compromises cytochrome c oxidase activity in thiamine responsive Leigh syndrome patients. J Neurol Sci.415 (2020) 116870.
22	S. Mani*, G R Chandak, Keshav K Singh, Rajender Singh, S Narasimha Rao. Novel p.P298L SURF1 mutation in thiamine deficient Leigh syndrome patients compromises cytochrome c oxidase activity. Mitochondrion 2020
23	M. Singh, Surinder P. Singh, D. Yadav, Mugdha Agarwal, Shriya Agarwal, Vinayak Agarwal, Geeta Swargiary, Sahil Srivastava, Sakshi Tyagi, Ramneek Kaur, Shalini Mani*. Targeted delivery for neurodegenerative disorders using gene therapy vectors: Gen next therapeutic goals, Current Gene Therapy. August 2020. DOI: 10.2174/1566523220999200817164907
24	S. Agarwal, V. Agarwal, M. Agarwal, M. Singh, “Exosomes: Structure, Biogenesis, Types and Application in Diagnosis, and Gene and Drug Delivery, special issue on: “Gene Therapy for Neuroprotection and Neurorestoration”, Current Gene Therapy, vol.20:2, pp. 1 – 12, 2020. DOI: 10.2174/1566523220999200817164907
25	M. Singh, S. P. Singh, P.K. Dubey, Rachana, S. Mani, D. Yadav, M. Agarwal, S. Agarwal, V. Agarwal, H. Kaur, “Advent of Proteomic Tools For Diagnostic Biomarker Analysis in Alzheimer’s Disease”, Special issue on: “Neuroproteomics on the rise”, Current Protein & Peptide Science, vol. 20:21, pp.- 1-13, 2020. DOI: 10.2174/1389203721666200615173213.
26	H. Kaur, S. Agarwal, P. Pancham, C. Kalra, C. Soin, M. Singh, Synthesis and characterization of Citrus limonum essential oil based nanoemulsion and its enhanced antioxidant activity with stability for transdermal application, Journal of Biomaterials and Nanobiotechnology, Vol.11 No.4, 20, 2020
27	H. Kaur, S. Agarwal, M. Agarwal, V. Agarwal and M. Singh, “Therapeutic and Preventive Role of Functional Foods in Process of Neurodegeneration”, International Journal of Pharmaceutical Sciences and Research, June 2020. DOI: 10.13040/IJPSR.0975-8232.11(6).2882-91
28	I. Singh, S. Haider, Md. Z.r Malik, K. Ponnusamy, E. Rai, S..Sharma (2020), “ACE2 Homodimerization Affects Binding of SARS-CoV-2 Spike Protein” E-letter in response to an article, “Structural basis for the recognition of SARS-CoV-2 by full-length human ACE2”, Science, (Impact factor: 41.845). Science 04 March 2020:eabb2762, DOI: 10.1126/science.abb2762
29	Shekhar Nagar, Chandni Talwar, Shazia Haider, Akshita Puri, Kalaiarasan Ponnusamy, Madhuri Gupta, Utkarsh Sood, Abhay Bajaj, Rup Lal, Roshan Kumar, Phylogenetic relationships and potential functional attributes of the genus Parapedobacter: A member of family Sphingobacteriaceae, Frontiers in Microbiology, 04 September 2020, (Impact factor:4.235) .ISSN: 1664-302X

S. No.	Full Reference
30	Atale N, Yadav D, Rani V, Jin JO. Pathophysiology, Clinical Characteristics of Diabetic Cardiomyopathy: Therapeutic Potential of Natural Polyphenols. <i>Front Nutr.</i> 2020 Dec 3;7:564352. doi: 10.3389/fnut.2020.564352. PMID: 33344490; PMCID: PMC7744342.
31	D.Jain and S.Mohanty, "Fly transcriptomics uncovers the molecular signature of cellular and tissue specific functions", <i>Dros. Inf. Serv.</i> ,103, pp. 83-90, 2020.
32	G. Agarwal, R. Gabrani, "Identification of peptide binders to recombinant chikungunya virus envelope protein 2 using phage display technology and their in silico characterization" <i>Protein Pept Lett.</i> 2020 Oct 29. doi: 10.2174/0929866527666201029144245. Online ahead of print.
33	Shalini Mani*, Geeta Swargiary and Keshav K Singh. <i>Natural Agents Targeting Mitochondria in Cancer Int. J. Mol. Sci.</i> 2020, 21, 6992; doi:10.3390/ijms21196992
34	M Singh, KD Tyagi, A Singh, KK Singh, "Detection of changes in Landsat Images using Hybrid PSO-FCM, <i>Procedia Computer Science</i> , 167, 423-430, 2020.
35	Agarwal A. Gupta A., "A Maximum Relevancy and Minimum Redundancy Feature Selection Approach for Median Filtering Forensics" <i>Multimedia Tools and Applications</i> , Vol. 79, pp. 21743–21770, May 2020. https://doi.org/10.1007/s11042-020-08994-4 SCI, I.F.: 2.313
36	A. Agrawal, V. K. Mishra, A. Gupta, B. Bansal, "Performance analysis of beamforming aided uncorrelated mm-Wave MIMO system for IEEE 802.15.3c standard," <i>Physical Communication</i> , Elsevier Journals, Vol. 41, pp. 80-89, August 2020.
37	S. Gupta, A. Goel, "Chicken Swarm Optimization for PTS based PAPR Reduction in OFDM Systems" <i>Journal of Communication Software and Systems (JCOMSS)</i> , vol.16, no. 3, pp.1-6, June, 2020, http://dx.doi.org/10.24138/jcomss.v16i3.999 . [Indexed SCOPUS]
38	A. Gupta, Bajrang Bansal, V. K. Mishra, and A. Agrawal, "Miniaturised triband rhombus-shaped metamaterial-inspired antenna with gain enhancement using complementary closed ring resonators", <i>IET Microwaves, Antennas & Propagation</i> , Vol. 14, No. 2, pp. 185-193, 2020. (SCI Indexed)
39	Amit Garg, Vineet Khandelwal, "Segmentation-based MAP despeckling of medical ultrasound images in shearlet domain based on normal inverse Gaussian distribution", <i>Journal of IET Image Processing</i> , Vol. 14, No. 4, pp. 736-746, Feb. 2020. (Indexed in Scopus)
40	A. Joshi, S. Kalia, "A Novel Bandwidth Efficient PTS Scheme for Peak Power Reduction in OFDM Systems" <i>International Journal on Electrical Engineering and Informatics - Volume 12, No. 2</i> , pp. 313-325, June 2020
41	A. Kumar, N. Gupta, M. M. Tripathi and R. Chaujar, "Analysis of Structural Parameters on Sensitivity of Black Phosphorus Junctionless Recessed Channel MOSFET for Biosensing Application", in <i>Microsystem Technologies</i> , Springer Nature, 2019. Vol. 26, pp. 2227–2233, 2020. DOI: 10.1007/s00542-019-04545-6.
42	A. Kumar, "Assessment of High-κ Gate Stacked In2O5Sn Gate Recessed Channel MOSFET for X-Ray Radiation Reliability", in <i>Engineering Research Express</i> , IOP. Vol. 2(3), pp. 035017. 2020. DOI: https://doi.org/10.1088/2631-8695/abaf0a .
43	Kohli A., Gupta A., and Singhal D., "CNN Based Localization of Forged Region in Object Based Forgery for HD Video" <i>IET Image Processing</i> , Vol. 14 (5), pp. 947-958, April 2020, DOI: 10.1049/iet-ipr.2019.0397. SCI, I.F.: 2.004
44	A. K. Goyal and S Pal; "Design analysis of Bloch surface wave based sensor for haemoglobin concentration measurement," <i>Applied Nanoscience</i> , May-2020. DOI: 10.1007/s13204-020-01437-
45	N. Gupta, A. Kumar, and R. Chaujar, "Design Considerations and Capacitance Dependent Parametric Assessment of Gate Metal Engineered SiNW MOSFET for ULSI Switching Applications", <i>Silicon</i> , Springer Nature, Vol. 12, pp. 1501-1510, 2020. https://doi.org/10.1007/s12633-019-00246-x . (IF: 1.499)

S. No.	Full Reference
46	A. Kumar, N. Gupta, M. Roy, M. M. Tripathi, and R. Chaujar, "Dielectric Modulated Transparent Gate Thin Film Transistor for Biosensing Applications", Materials Today: Proceeding, Elsevier. Vol. 28, 2020, Pages 141-145.
47	A. Kumar, A. K. Goyal, U. Gupta, Tanya, N. Gupta, and R. Chaujar, "Increased efficiency of 23% for CIGS solar cell by using ITO as front contact," Materials Today:Proceedings, vol. 28, no. 1, pp 361-365, March-2020. https://doi.org/10.1016/j.matpr.2020.02.688 .
48	A. Kumar, S. K. Tripathi, N. Gupta, M. M. Tripathi and R. Chaujar, "Performance Evaluation of Linearity and Intermodulation Distortion of Nanoscale GaN-SOI FinFET for RFIC Design" AEU International Journal of Electronics and Communication, Elsevier, vol. 115, Feb. 2020
49	A. Kumar, N. Gupta, M. M. Tripathi and R. Chaujar, "Reliability of Sub-20 nm Black Phosphorus Trench (BP-T) MOSFET in High-Temperature Harsh Environment", Silicon, Springer Nature, June 2020. DOI: https://doi.org/10.1007/s12633-020-00531-0
50	A. Kumar, A. K. Goyal, and N. Gupta, "Thin-Film Transistors (TFTs) for Highly Sensitive Biosensing Applications: A Review", in ECS Journal of Solid State Science and Technology. Vol. 9 (11), pp. 115022
51	A. Upadhya, Vivek K. Dwivedi, and G. K. Karagiannidis, "On the Effect of Interference and Misalignment Error in Mixed RF/FSO Systems Over Generalized Fading Channels," in IEEE Transactions on Communications, vol. 68, no. 6, pp. 3681-3695, June 2020, doi: 10.1109/TCOMM.2020.2971496.. (Impact Factor 5.69)
52	B. Chaturvedi, J. Mohan, A. Kumar and K. Pal, "Current-Mode First Order Universal Filter and It's Voltage-Mode Transformation", Journal of Circuits, Systems, and Computers, vol. 29 (9), 2050149, 2020.
53	B. Chaturvedi, J. Mohan, Jitender, and A. Kumar, "Resistorless Realization of First-Order Current Mode Universal Filter", Radio Science, Vol. 55, No. 1, 2020
54	Dipti, S.V. Singh, R. Joshi, P. K. Mishra and M. Goswami, "A reusable stage based reduced comparator count binary search ADC", Analog Integrated Circuits and Signal Processing, 2020, ISSN 0925-1030, doi.org/10.1007/s10470-020-01686-x
55	D. R. Pattanayak, V. K. Dwivedi, V. Karwal, I. S. Ansari, H. Lei, M. S. Alouini, "On the Physical Layer Security of a Decode and Forward Based Mixed FSO/RF cooperative System", IEEE Wireless Communication Letters, Vol. 9, No. 7, pp. 1031-1035, 2020
56	D. R. Pattanayak, V. K. Dwivedi, V. Karwal, "Physical layer security of a two way relay based mixed FSO/RF network in the presence of multiple eavesdroppers", Optics Communications, Vol. 463, pp. 125429, 2020, (Indexed in SCIE)
57	Singhal D, Gupta A., Tripathi A., Kothari R., "CNN based Multiple Manipulation Detector using Frequency Domain Features of Image Residuals" ACM Transactions on Intelligent Systems and Technology, 11(4), 40:1-40:26, May 2020. DOI: https://doi.org/10.1145/3388634 SCI , I.F. : 3.820
58	J. Mohan, B. Chaturvedi, A. Kumar, and Jitender, "Active-C Realization of Multifunction Biquadratic Filter and Third-Order Oscillator", Radio Science, Vol. 55, No. 1, 2020.
59	K. Nigam, S. Kumar, K. S. Singh, E. Bhardwaj, S. Choubey and S. Chaturvedi, "Temperature sensitivity analysis of SGO metal strip JL TFET," IET Circuits, Devices & Systems, vol 14, no. 4, pp. 444 – 449, July 2020.
60	K. Ratra, M. Singh, and A. K. Goyal; "Design and Analysis of Omni-directional Solar Spectrum Reflector using One-dimensional Photonic Crystal", J. Nanophoton., vol. 14, no. 2, pp 026005, April-2020. DOI: 10.1117/1.JNP.14.026005 (Impact Factor: 1.415).

S. No.	Full Reference
61	K. S. Singh., S. Kumar, K. Nigam, "Impact of Interface Trap Charges on Analog/RF and Linearity Performances of Dual-Material Gate-Oxide-Stack Double-Gate TFET," IEEE Transactions on Device and Materials Reliability, vol. 20, no. 2, pp. 404-412, June 2020, DOI: 10.1109/TDMR.2020.2984669. (SCI)
62	K. D. Tyagi, A. Kumar, R. Bahl,"Compensation Techniques for Artifacts Arising Due to Non-ideal Components in Acoustic Reflectometry System", pp. 1-10, June 2020. (https://doi.org/10.1007/s40857-020-00190-6) [SCI]
63	Madhu Jain and Maneesha Gupta, "Design of Fractional Order Recursive Digital Differentiators using Different Approximation Techniques, International Journal of Intelligent Systems and Applications, vol. 12, iss. 1, pp. 33 - 42, Feb. 2020
64	Manoj Kumar Garg and Jasmine Saini,"Analysis of Reconfigurable Asymmetric Corner ARC Slotted Patch Antenna for Ultrawide and Ku Band Application",International Journal of Engineering and Advanced Technology (IJEAT)', ISSN: 2249-8958 (Online), Volume-9 Issue-4, April 2020, Page No. 1105-1110.
65	M Singh, N Kumar, S Dwari, H. Parthasarathy and P. Kala, A compact dual-band zeroth-order resonator antenna loaded with meander line inductor, Int. J. RF and Microwave Computer Aided Engineering, vol.30, issue no. 7, pp. 1-11.
66	R. Beniwal, N. S. Beniwal, G. N.. Tiwari, and H. O.Gupta . "Steady-State Availability Estimation of Semitransparent Photovoltaic System." ASME. J. Energy Resour. Technol. March 2020; 142(3): 032103
67	Sajal Agarwal, Y.K. Prajapati, "Metamaterial based sucrose detection sensor using transmission spectroscopy," OPTIK, Vol. 205, pp. 164276, 2020. (SCI)
68	S. Kalra, " An Insight into Temperature Inversion Using α -Power MOSFET Model for Ultradeep Submicron Digital CMOS Technologies", AEU-International Journal of Electronics and Communications, vol. 125, p.153349, July 2020 .
69	S. Kalra, A.B. Bhattacharyya, "A Unified Analytical Transregional MOSFET Model for Nanoscale CMOS Digital Technologies", International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, vol. 33, issue 1, pp.1-12, Jan 2020.
70	Shilpi Shukla and Madhu Jain, "A novel stochastic deep convolution network for emotion recognition in speech signal", March 2020, Journal of Intelligent and Fuzzy Systems, vol. 38, iss2, pp. 1-16.
71	S. Saxena, R. K Dwivedi, V. Khare , "Multi-Piezoelectric Materials Based Doubly Clamped Energy Harvester", Journal of Materials Science-Materials in Electronics, vol. 31, no. 9, pp. 6998-7011, 2020
72	Shradha Saxena, Rakesh Kumar Dwivedi,Vijay Khare, "Tuning of a wide range of low resonance frequencies by a novel multi-resonant piezoelectric energy harvester, Materials Today: Proceedings",vol. 28, no. 1, pp. 85-87, 2020
73	K. D. Tyagi, "Enhancement of Range Resolution using Two Receivers in Continuous Time-Frequency Modulation Technique", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-6, March 2020. [Scopus]
74	Tonk, Vijay Kumar, Abhijeet Upadhyay, Pradeep Kumar Yadav, and Vivek K.Dwivedi."Mixed MUD-RF/FSO Two Way Dcode and Forward Relaying Networks in the Presence of Co-Channel Interference."Optics Communications, Elsevier, vol. 464, pp. 125415., June 2020. https://doi.org/10.1016/j.optcom.2020.125415 . (Impact Factor 2.15)
75	V. A. Tikkiwal, S. V. Singh and H. O. Gupta, "Optimization of PV Based Standalone Hybrid Energy System using Cuckoo Search Algorithm", Recent Advances in Computer Science and Communications (formerly: Recent Patents on Computer Science), Vol.13 (3), pp. 414-421, 2020 doi.org/10.2174/2213275912666190304160130 , ISSN(Print), 2213-2759,ISSN(Online) 1874-4796

S. No.	Full Reference
76	V.K. Mishra, S. Pandey, N.A. Srivastava, R.K. Chauhan, "A Compact Analytical Drain Current Model of Fully Depleted SOI MOSFETs with Lightly Doped N- underneath the N+ Source Region," Silicon, Springer, May 2020,
77	V. K. Mishra, N. Rao, "Electrostatic Investigation of Intended Source Drain Ultra-Thin Body FD-SOI MOSFET," Silicon, Springer, Jan. 2020,
78	V.K. Mishra, B Bansal, A Gupta, A Agrawal, "Induction of Buried Oxide Layer in Substrate FD-SOI MOSFET for Improving the Digital and Analog Performance", Silicon, Springer, vol. 12, pp. 2241-2249, Jan 2020
79	Madhu Jain, Maneesha Gupta, Design of Fractional Order Recursive Digital Differentiators using Different Approximation Techniques, International Journal of Intelligent Systems and Applications, 12(1):33-42, 2019
80	Shilpi Shukla, Madhu Jain, A novel stochastic deep convolution network for emotion recognition in speech signal, Journal of Intelligent and Fuzzy Systems, 38(2):1-16, 2020
81	Shilpi Shukla, Madhu Jain, Accurate Speech Emotion Recognition by using Brain-Inspired Decision-Making Spiking Neural Network, International Journal of Advanced Computer Science and Applications 10(12):370-379, 2019
82	M Singh, N Kumar, S Dwari, Harish Parthasarathy, P. Kala, "A compact dual-band zeroth-order resonator antenna loaded with meander line inductor", Int. J. RF and Microwave Computer Aided Engineering, vol. 30, issue 7, March 2020, pp. 1 - 11.
83	Jasmine Saini and Manoj Kumar Garg,"PBG Structured Compact Antenna with Switching Capability in Lower and Upper Bands of 5G,"Progress in Electromagnetics Research M, Vol. 94, 19-29, 2020.
84	Amit Kumar Goyal and Jasmine Saini, "Performance analysis of Bloch surface wave-based sensor using transition metal dichalcogenides," Applied Nano Science, Vol. 10, pp.4307-4313,2020.
85	Dipti R. Pattanayak, Vivek K. Dwivedi and Vikram Karwal, "On the physical layer security of hybrid RF-FSO system in presence of multiple eavesdroppers and receiver diversity," Optics Communications, Vol .477, 126334, 2020.
86	Manoj Kumar Garg and Jasmine Saini,"Dual Frequency Electronically Controlled Radiation Beam Reconfigurable slotted Antenna for Detection of a Stationary or Nonstationary Target Defence Science Journal, Vol. 70, No. 5, pp.486-492,September 2020.
87	Raghvendra Kumar Singh, Ashish Gupta, Anand Sharma, Utkarsh Mishra, Nishchay Gupta, "An ultra-thin quad-band metamaterial inspired absorber using symmetric bent-arrow shaped resonator for sensing and imaging in defense applications," Material Research Express, IOP Sciences, Vol. 7, No.11, 115801, Nov. 2020.
88	Dharmender, Kaushal Nigam, "Low-K Dielectric Pocket and Workfunction Engineering for DC and Analog/RF Performance Improvement in Dual Material Stack Gate Oxide Double Gate TFET," Silicon, pp-1-10, Nov. 2020, https://doi.org/10.1007/s12633-020-00822-6
89	Satyendra Kumar, Km Sucheta Singh, Kaushal Nigam, Saurabh Chaturvedi, "Ambipolarity Suppressed Dual-Material Double-Source T-Shaped Tunnel Field-Effect Transistor," Silicon, https://doi.org/10.1007/s12633-020-00601-3
90	A. K. Goyal, H. S. Dutta, and S. Pal; "Development of Uniform Porous One-dimensional Photonic Crystal Based Sensor," Optik, vol. 223, pp. 165597 (2020). DOI: 10.1016/j.ijleo.2020.165597
91	A. K. Goyal, "Design Analysis of One-dimensional Photonic Crystal Based Structure for Hemoglobin Concentration Measurement" PIER-M, vol. 97, pp. 77-86, Oct. 2020.
92	A. Kumar. "Palladium-based Trench Gate MOSFET for Highly Sensitive Hydrogen Gas Sensor", in Materials Science in Semiconductor Processing, Elsevier. Volume 120, December 2020, Pages 105274. DOI: https://doi.org/10.1016/j.mssp.2020.105274 .

S. No.	Full Reference
93	N. Gupta, and A. Kumar, "Assessment of High-k Gate Stack on Sub-10nm SOI-FinFET for High-Performance Analog and RF Applications Perspective", in ECS Journal of Solid State Science and Technology. Vol. 9 (12), pp. 123009
94	A. Kumar and B. Chaturvedi, "Experimental Realization of Square/Triangular Wave Generator using commercially available ICs", Journal of Circuits, Systems and Computers, vol. 29 (14), 2050224, 13 Pages, 2020.
95	M. Bisht and R. Gupta, "Multiclass Recognition of Offline Handwritten Devanagari Characters using CNN," Int J Math, Eng, Manag Sci, vol. 5, no. 6, pp. 1429-1439, Dec. 2020, doi: 10.33889/IJMEMS.2020.5.6.106.
96	P. Srivastava, and S. Varshney. "The relationship of domestic institutional investors and India stock market returns: An ARDL bound testing approach." Journal of Transnational Management (2020): 1-20
97	S. Varshney and P. Srivastava, "A study on the movement of initial coin offering: A swot analysis," International Journal of Scientific & Technology Research, vol. 9, Issue no. 2, February, 2020
98	M. Gupta and S. Varshney, "Quest on Interdisciplinary Factors of Entrepreneurship Empowering Economic Growth," International Journal of Scientific & Technology Research, vol. 9, Issue no. 2, February, 2020
99	P. Srivastava and S. Varshney (India), "The effect created by the instigation of LTCG on ELSS Schemes: A Case of India," Indian J. Commerce Management Stud., vol. X, no. 3, p. 43, 2019
100	N Mittal, S. Alavi, "Construction and psychometric analysis of teachers mobile learning acceptance questionnaire", Interactive Technology and Smart Education, Vol. 17 No. 2, pp. 171-196, 2020.
101	J.S Dixit, S. Alavi & V. Ahuja. "Measuring Consumer Brand Perception for Green Apparel Brands". International Journal of E-Business Research (IJEER), 16(1), 28-46, 2020.
102	A. Sharma. S. Sharma. M. Chaudhary "Are small travel agencies ready for digital marketing? Views of travel agency managers," Tourism Management, 2020
103	P. Soni and K.M Bakhru, "Understanding associations between Big Five personality traits, multiple dimensions of wellbeing and sustainable development", International Journal of Business and Globalisation, 26(4), 328-344, 2020
104	S. Srivastava, B. Bajaj, B., and S. Dev. , "Human Resource Information System Adoption and Implementation Factors: A Theoretical Analysis" International Journal of Human Capital and Information Technology Professionals (IJHCITP), Vol 11 No. 4, pp. 80-98, 2020.
105	T. Maheshwari and M. Mani, "Benefits of Goods and Services Tax implementation in India: An analytical hierarchy process approach", Journal of Public Affairs, pp. e2578, December 2020. https://doi.org/10.1002/pa.2578
106	P. K. Sharma and R. Kumra, "Examining the mediating role of work engagement on the relationship between workplace mindfulness and organizational justice and its association with well-being," South Asian Journal of Business Studies, 2020, doi: 10.1108/SAJBS-10-2019-0184.
107	P. K. Sharma and R. Kumra, "Relationship between workplace spirituality, organizational justice and mental health: mediation role of employee engagement," Journal of Advances in Management Research, vol. 17, no. 5, pp. 627-650, 2020, doi: 10.1108/JAMR-01-2020-0007.
108	C. Chaudhuri, "Covid crisis and contemporary china: an analysis", World Focus, Vol. 490, pp. 80-84, 2020
109	Rounak, S. & Misra, R.K., "Employee Value Proposition: An analysis of organizational factors - the way to enhance value perception", Development and Learning in Organizations - https://doi.org/10.1108/DLO-09-2019-0216 , 2020.

S. No.	Full Reference
110	R.K. Sharma, N. Abidi, and R.K. Misra, "Assessment of Agricultural Sustainability - A study of farmers growing Basmati Rice under Conventional and Fair-Trade Systems in India", International Journal of Sustainable Agricultural Management and Informatics, 2020 Vol.6 No.1, pp.1 – 21, 2020.
111	K Gupta, S Goel and P Bhatia (2020) "Intellectual Capital and Profitability: Evidence from Indian Pharmaceutical Sector" Vision: The Journal of Business Perspective, Vol. 24 (2) April, pp. 204–216 DOI: https://doi.org/10.1177/0972262920914108
112	Shivanjali, Singh M, Sharma J.K., "Retention Strategies in the Leading ITeS Organizations of Delhi NCR", International Journal of Engineering and Advanced Technology, Vol.9 Issue-3, pp 2575-2580, 2020
113	Shivanjali, Singh M, Ameer R., "Managing the Uncertainty in business during the COVID-19 pandemic: An international business perspective", International Journal of All Research Education and Scientific Methods, Vol.8 Issue-7, pp 483-490, 2020
114	Shivanjali, , Sharma J.K.,Singh M, "Structural Equation Modelling Approach for Model Development of Employee Retention in ITES Sector", Journal of Critical Reviews, Vol-7, Issue-19, pp-6346-6351, 2020
115	Shakeel, M., Barsaiyan, S., & Sijoria, C., "Twitter as a Customer Service Management Platform: A Study on Indian Banks", Journal of Content, Community & Communication, Vol-11, Issue-6, pp-84-104, 2020
116	R. C. Mittal, Sudhir Kumar and Ram Jiwari, "A cubic B-spline quasi-interpolation method for solving two-dimensional unsteady advection diffusion equations", Int. J. Numer. Methods Heat & Fluid Flow 30(9) pp. 4281-4306.(2020)
117	Neeraj Bhardwaj and Lokendra Kumar, "A Study of Asymmetric Vibration of Polar Orthotropic Annular Plates Using Boundary Characteristic Orthonormal Polynomials", Tamap Journal of Mathematics and Statistics, Volume 2020, pp 1-10 (2020). doi:10.29371/2020.16. SI-TAMAP-NB004.
118	Mathur N., Srivastava, P. K., "An Inventive Approach to Optimize Fuzzy Transportation Problem", International Journal of Mathematical, Engineering and Management Sciences, vol. 5(5), pp. 985–994, 2020.
119	G. Goyal and D. C. S. Bisht, "Fuzzy time series forecast with enhanced trends and weighted defuzzification", Mathematics in Engineering, Science & Aerospace Vol. 11. No. 1, pp.91-102, 2020.
120	G. Goyal and D. C. S. Bisht, "Sugeno Intuitionistic Fuzzy Generator Based Computational Technique for Crude Oil Price Forecasting", International Journal of Mathematical, Engineering and Management Sciences, Vol. 5, no. 3, pp. 488–496, 2020
121	D. C. S. Bisht and Pankaj Kumar Srivastava, "Trisectional fuzzy trapezoidal approach to optimize interval data-based transportation problem", Journal of King Saud University-Science, vol.32, no. 1, pp. 195-199 ,2020
122	A. Wadhwa, A. Bhardwaj, "Enhancement of MRI images of brain tumor using Grünwald Letnikov fractional differential mask", Multimedia Tools and Applications, vol. 79, pp. 25379-25402, 2020.
123	Gupta Y., Rana P., Beg O. A., Kadir A., "Multiple Solutions for Slip Effects on Dissipative Magneto-Nanofluid Transport Phenomena in Porous Media: Stability Analysis", Journal of Applied and Computational Mechanics 6(4) (2020) 956-967.
124	Chaurasia A., Gupta Y., Srivastava P.C., "A smooth approximation for non-linear second order boundary value problems using composite non-polynomial spline functions", Studia Universitatis Babeş-Bolyai Mathematica 65 (3) (2020) 453-470.
125	S Singh, L Kaur, R Sakthivel, K Murugesan, "Computing solitary wave solutions of coupled nonlinear Hirota and Helmholtz equations", Physica A: Statistical Mechanics and its Applications, vol. 560, 125114.

S. No.	Full Reference
126	P.Verma, L. Kaur, "Nonclassical symmetries and analytic solutions to Kawahara equation", International Journal of Geometric Methods in Modern Physics, vol.,17 no. 08, 2050118, 2020.
127	Bhagat, A., Jain, M. "Retrial queue with multiple repairs, multiple services and non preemptive priority". OPSEARCH 57, 787-814, 2020.
128	Kusum Grewal Dangi, Amita Bhagat, Supriya P Panda, "Emergency Vital Data Packet Transmission in Hospital Centered Wireless Body Area Network", Procedia Computer Science, Elsevier, Volume 171, 2020, pp. 2563-2571, 2020.
129	N. Ahlawat, and R. Lal (2020), "Effect of Winkler Foundation on Radially Symmetric Vibrations of Bi-Directional FGM Non-Uniform Mindlin's Circular Plate Subjected to In-Plane Peripheral Loading", Journal of Solid Mechanics, vol. 12, no. 2, 455-475, 2020.
130	S. Pandit and R. C. Mittal, "A Numerical Algorithm based on scale-3 Haar Wavelets for Fractional Advection Dispersion Equation", Engineering Computations (2020)
131	S Singh, L Kaur, K Sakkaravarthi, R Sakthivel, K Murugesan, "Dynamics of higher-order bright and dark rogue waves in a new (2+ 1)-dimensional integrable Boussinesq model", Physica Scripta, vol 95, no. 11, 115213, 2020.
132	Ashish Bhatnagar, Anant Prakash Pandey, M. Sterlin Leo Hudson, Pawan K. Soni, Satish K. Verma, Vivek Shukla V. Sekkar, Manoj Tripathi and O.N. Srivastava. Economical synthesis of highly efficient and tunable carbon aerogels for enhanced storage of CO ₂ emitted from energy sources. Int J Energy Res. 2020; 1- 8
133	Anant Prakash Pandey, Ashish Bhatnagar, Vivek Shukla, Pawan K.Soni, Sweta Singh, Satish K.Verma, M.Shaneeth, V.Sekkar, O.N.Srivastava, Hydrogen storage properties of carbon aerogel synthesized by ambient pressure drying using new catalyst triethylamine ,Int. J. Hydrogen Energy, 55, 30818-30827(2020)
134	A. Shukla, M. Sisodia and A. Pathak, "Complete characterization of the directly implementable quantum gates used in the IBM quantum processors", Phys. Lett. A 384 (2020) 126387
135	Hema, Tara Bhatt, Tarun Pant, Charu Dondiyal, Meenakshi Rana, Papia Chowdhury, G. C. Joshi, "Computational study of the intermolecular interactions and their effect on the UV-visible spectra of the ternary liquid mixture of benzene, ethanol and propylene glycol", Received: 3 July 2020 / Accepted: 3 September 2020 # Springer-Verlag GmbH Germany, part of Springer Nature 2020, https://doi.org/10.1007/s00894-020-04533-y
136	H. Verma, K. Mishra, and D. K. Rai, "Sodium ion conducting nanocomposite polymer electrolyte membrane for sodium ion batteries", Journal of Solid State Electrochemistry, 24, 521-532 (2020).
137	K. Mandal, Amit Verma "Higher-order nonclassicality in photon added and subtracted qudit states", Annalen der Physik, DOI:10.1002/andp.202000286, 10 August 2020. [Impact factor: 3.27, indexed in Scopus, SCI indexed, Web of science indexed]
138	L. Shiveshwari and S. K. Awasthi, "Band gap characteristics of 1D static and moving photonic crystal", Physica B: Condensed Matter, Vol. 597, 412360, 2020.
139	Meenakshi Rana, Aditi Jain, Vibha Rani, Papia Chowdhury, "Glutathione Capped Core/shell CdSeS/ZnS Quantum Dots as a Medical Imaging tool for Cancer Cells", Inorganic Chemistry Communications, 112, 107723 (2020).
140	Meenakshi Rana, Papia Chowdhury, "Studies on Size Dependent Structures and Optical Properties of CdSeS Clusters", Journal of Cluster Science, 31 (5), 1111-1121 (2020).
141	M Shahzad, H Rizvi, A Panwar, CM Ryu, T Rhee, "Kinetic damping of radially localized kinetic toroidal Alfvén eigenmodes in tokamak plasmas", Physics of Plasmas, Vol. 27, 072504, 2020.

S. No.	Full Reference
142	M. Tripathi, A. Bhatnagar, N. M. Mubarak, J. N. Sahu, P. Ganesan, "RSM optimization of microwave pyrolysis parameters to produce OPS char with high yield and large BET surface area", <i>Fuel</i> 277, 118184 (2020).
143	P. Bhandari, V. Malik, 'Charge Ordering in three dimensional Coulomb glass at finite temperatures and low disorders', <i>Euro. Phys. J. B</i> , 2020, vol 93, pages 1-6 (2020).
144	Papia Chowdhury " In silico investigation of phytoconstituents from Indian medicinal herb 'Tinospora cordifolia (giloy)' against SARS-CoV-2 (COVID-19) by molecular dynamics approach", <i>Journal of Biomolecular Structure and Dynamics</i> , https://doi.org/10.1080/07391102.2020.1803968 , (2020).
145	Papia Chowdhury and Pustak Pathak, Neuroprotective immunity by essential nutrient "Choline" for the prevention of SARS CoV2 infections: An in silico study by molecular dynamics approach, <i>Chemical Physics Letters</i> , 761(2020) 138057. https://doi.org/10.1016/j.cplett.2020.138057 .
146	P. Malpani, K. Thapliyal, N. Alam, A. Pathak, V. Narayanan, S. Banerjee, "Impact of photon addition and subtraction on nonclassical and phase properties of a displaced Fock state", <i>Optics Communication</i> 459 (2020) 124964
147	P. Malpani, K. Thapliyal, N. Alam, A. Pathak, V. Narayanan, S. Banerjee, "Manipulating nonclassicality via quantum state engineering processes: Vacuum filtration and single photon addition", <i>Ann. Der Physik</i> 532 (2020) 1900337.
148	Prashant Tripathi; Ashish Bhatnagar; A. Ramesh; Alok K. Vishwakarma; Sweta Singh; Deepa B. Bailmare; Abhay D. Deshmukh; Bipin Kumar Gupta; O.N. Srivastava, "Radially aligned CNTs derived carbon hollow cylinder architecture for efficient energy storage", 354, 136650 (2020).
149	Sunil Chauhan, Chief Anand, Babita Tripathi, Manoj Kumar, Mohit Sahni, R. C. Singh, and Satyendra Singh, Influence of Na substitution on structural, magnetic, optical and photocatalytic properties of bismuth ferrite nanoparticles, <i>J Mater Sci., Mater Electron</i> , 31, 20191-20209, 2020
150	Satish Kumar Verma; Ashish Bhatnagar; Vivek Shukla; Pawan Kumar Soni; Anant Prakash Pandey; Thakur Prasad Yadav; Onkar Nath Srivastava, "Multiple improvements of hydrogen sorption and their mechanism for MgH ₂ catalyzed through TiH ₂ @Gr", 45, 19516-19530 (2020)
151	S. Nasa, SP Purohit, "Linear and third order nonlinear optical properties of GaAs quantum dot in terahertz region", <i>Physica E: Low-dimensional Systems and Nanostructures</i> 118, 113913, 2020.
152	Sharma Subhash, Cruz M. P., Siqueiros J. M., Herrera O. Raymond, Alvarez V. E. and Dwivedi R. K., "Correction to: Investigation of electrical, magneto dielectric and transport properties of multiferroic (1-x)BiFeO ₃ -(x)Ba _{0.7} Sr _{0.3} TiO ₃ solid solutions", <i>J. Mat. Sci.: Materials in Electronics</i> , 31(5), 4379-4391 (2020).
153	S Sharma, RK Dwivedi, JM Siqueiros, O Raymond Herrera, "Coexistence of two ferroelectric phases and improved room-temperature multiferroic properties in the (0.70)BiFe _{1-x} CoxO ₃ -(0.30)PbTiO ₃ system" <i>Journal of Applied Physics</i> 128 (12), 124102 (2020).
154	S. Srikara, K. Thapliyal, and A. Pathak, "Continuous variable direct secure quantum communication using Gaussian states", <i>Quant. Infor. Process.</i> 19 (2020) 132.
155	Shalu Sharma and Sandeep Chhoker, "Efficient light harvesting using simple porphyrin-oxide pervoskite system" 10(1), 1-11, 2020 <i>Scientific Reports</i> .
156	Shalu Sharma and Sandeep Chhoker "Manoeuvring morphological, optical and electrical properties of CVD grown Ba-doped SnO ₂ nanostructures via Mn co-doping " <i>Journal of Electronic Materials</i> , 49 (12), 7325-7335, 2020.
157	Saxena S. Dwivedi R.K. and Khare V., "Multi piezoelectric materials based doubly clamped energy harvester", <i>J. Mat. Sci.: Materials in Electronics</i> , 31(5), 6998-7011 (2020).

S. No.	Full Reference
158	Sweta Singh, Ashish Bhatnagar, Vivek Shukla, Alok K Vishwakarma, Pawan K Soni, Satish K Verma, MA Shaz, ASK Sinha, ON Srivastava, "Ternary transition metal alloy FeCoNi nanoparticles on graphene as new catalyst for hydrogen sorption in MgH ₂ ",45,774-786(2020).
159	V. Kapoor, and N. K. Sharma, "Surface plasmon resonance based fiber optic sensor prepared from bilayers of indium tin oxide-indium oxide", Microwave and Optical Technology Letters, vol. 62, pp. 2439-2443, 2020.
160	Shubhanshu Shukla,Himanshu Gupta,Priyanshu Garg,Purtee Kohli "ON -GO EDUCATION SITE",IJARR, 2020,International Journal of Advanced Research and Review (IJARR), 5(2), 2020; 21-31
161	Raju Pal, Subash Yadav, Rishabh Karnwal, and Aarti, "EEWC: Energy Efficient weighted clustering method based on genetic algorithm for HWSNs", Complex & Intelligent Systems, Volume 6, Issue, 2, pp. 391-400, 2020.
162	Negi N, Chandra S., "A hybrid user centric approach for efficient web service selection", International Journal of Information retrieval research (IJIRR), Volume-10 Issue-2, March 2020
163	Parmeet Kaur, Shubhankar Gupta, Shubham Dhingra, Shreeya Sharma, and Anuja Arora. "Towards Content-Dependent Social Media Platform Preference Analysis." International Journal of Ambient Computing and Intelligence (IJACI) 11, no. 2 (2020): 30-47.
164	Negi N, Chaudhary P, Chandra S., "Web Service Classification based on Non-functional Parameters using Vote based Classifier", Journal of Discrete Mathematical Sciences and Cryptography, volume-23 Issue 1, April 2020
165	Neerja Negi, Satish Chandra, " Efficient Web Service Selection Approaches: A Review ", IJAST, vol. 29, no. 06, pp. 4979 - 4989, May 2020.
166	Kaur, A., Kumar, P., & Gupta, G. P., "Improving DV-Hop-Based Localization Algorithms in Wireless Sensor Networks by Considering Only Closest Anchors", International Journal of Information Security and Privacy (IJISP), vol.14, no.1, pp. 1-15, 2020
167	Goyal, M., & Gupta, C., "Intuitionistic Fuzzy Decision Making Towards Efficient Team Selection in Global Software Development", Journal of Information Technology Research (JITR), 13(2), 75-93,2020
168	Goyal, M., Krishnamurthi, R., Gupta, G., & Sharma, A., "Intelligent Techniques for Prediction of Engineering Colleges After XII", International Journal of Swarm Intelligence Research (IJSIR), 11(1), 24-43,2020
169	Arora, A., Srivastava, A., & Bansal, S. (2019). Business competitive analysis using promoted post detection on social media. Journal of Retailing and Consumer Services, 101941.
170	A. C. Pandey, D. S. Rajpoot, and M. Saraswat, "Feature selection method based on hybrid data transformation and binary binomial cuckoo search", Journal of Ambient Intelligence and Humanized Computing, Vol. 11 (02), pp. 719-738, 2020.
171	Chetna Dabas, Shikhar Jain, Ashish Bansal & Vaibhav Sharma, Implementation of image colorization with convolutional neural network, International Journal of System Assurance Engineering and Management volume 11(3), pp 625-634(2020)
172	Somya Jain, Adwitiya Sinha (2020). Identification of Influential users on Twitter: A Novel Weighted Correlated Influence Measure for Covid-19. Chaos, Solitons & Fractals, 110037.
173	Kaushik, S., & Gandhi, C. (2020). Capability Based Outsourced Data Access Control with Assured File Deletion & Efficient Revocation with Trust Factor in Cloud Computing. International Journal of Cloud Application & Computing, 10(1).
174	Manju, Pawan Bhambu, Sandeep Kumar, "Target K-coverage problem in wireless sensor networks", Journal of Discrete Mathematical Sciences and Cryptography, vol:23, No:2, pp.651-659, 2020

S. No.	Full Reference
175	Archana Purwar & Sandeep Kumar Singh, 2020. "A novel ensemble classifier by combining sampling and genetic algorithm to combat multiclass imbalanced problems," International Journal of Data Analysis Techniques and Strategies, Inderscience Enterprises Ltd, vol. 12(1), pages 30-42
176	Srivastava SK, Singh SK, Suri JS. State-of-the-art methods in healthcare text classification system: AI paradigm. Front Biosci (Landmark Ed). 2020;25:646-672. Published 2020 Jan 1
177	Asmita Yadav and Sandeep Kumar Singh, "A Novel and Improved Developer Rank Algorithm for Bug Assignment" International Journal of Intelligent Systems Technologies and Applications, 2020 Vol.19 No.1, pp.78 - 101
178	R Kanodiya, S Mittal, S Jain, Image Visual Description Model, IEIE Transactions on Smart Processing and Computing 9 (2), 169-176, 2020
179	JAIN S., KAUR P., Reconctualizing Examination Debar Criteria using Fuzzy Logic, Intelligent Decision Technologies, vol. 14, no. 2, pp. 215-225, 2020
180	H. Agrawal and K. Asawa, "Decentralized Learning for Opportunistic Spectrum Access: Multiuser Restless Multiarmed Bandit Formulation," in IEEE Systems Journal, vol. 14, no. 2, pp. 2485-2496, June 2020, doi: 10.1109/JSYST.2019.2943361.
181	Mavani, M., Asawa, K. Resilient against spoofing in 6LoWPAN networks by temporary-private IPv6 addresses. Peer-to-Peer Netw. Appl. 13, 333-347 (2020).
182	Vamsi, P., and Anjali Chahuan. "Machine Learning Based Hybrid Model for Fault Detection in Wireless Sensors Data." EAI Endorsed Transactions on Scalable Information Systems vol. 7, no. 24, pp 1-8, January 2020.
183	Mehndiratta, A., Asawa, K. Non-goal oriented dialogue agents: state of the art, dataset, and evaluation. Artif Intell Rev (2020).
184	V. Chamola, V. Hassija, V. Gupta and M. Guizani, "A Comprehensive Review of the COVID-19 Pandemic and the Role of IoT, Drones, AI, Blockchain, and 5G in Managing its Impact," in IEEE Access, vol. 8, pp. 90225-90265, 2020, doi: 10.1109/ACCESS.2020.2992341.
185	A.Mishra, C.Gandhi, Mayank, A.Sharma," Linux Security using Blockchain", International Journal of Advanced Trends in Computer Science and Engineering, vol 9, no 3, June 2020,
186	M. Goyal, R. Krishnamurthi, G. Gupta, and A. Sharma, "Intelligent techniques for prediction of engineering colleges after XII," Int. J. Swarm Intell. Res., 2020, doi: 10.4018/IJSIR.2020010102.
187	A. Kumar, K. Rajalakshmi, S. Jain, A. Nayyar, and M. Abouhawwash, "A novel heuristic simulation-optimization method for critical infrastructure in smart transportation systems," Int. J. Commun. Syst., 2020, doi: 10.1002/dac.4397.
188	A. Kumar, P. Srikanth, A. Nayyar, G. Sharma, R. Krishnamurthi and M. Alazab, "A Novel Simulated-Annealing Based Electric Bus System Design, Simulation, and Analysis for Dehradun Smart City," in IEEE Access, vol. 8, pp. 89395-89424, 2020, doi: 10.1109/ACCESS.2020.2990190.
189	A. Kumar, R. Krishnamurthi, A. Nayyar, K. Sharma, V. Grover and E. Hossain, "A Novel Smart Healthcare Design, Simulation, and Implementation Using Healthcare 4.0 Processes," in IEEE Access, vol. 8, pp. 118433-118471, 2020, doi: 10.1109/ACCESS.2020.3004790.
190	V. Puri, P. Kaur & S. Sachdeva, "Effective Removal of Privacy Breaches in Disassociated Transactional Datasets", Arab J Sci Eng 45, p.3257-3272, Jan 2020. DOI: https://doi.org/10.1007/s13369-020-04353-5
191	B. Verma, A.,Choudhary, "Grassmann manifold based dynamic hand gesture recognition using depth data", Multimedia Tools and Applications, 79, pp. 2213-2237, 2020
192	Rathi, M., Grover, V., & Kheterpal, T. (2020). Dr. Query: A Predictive Mobile-Based Healthcare Tool for Querying Drug. International Journal of Swarm Intelligence Research (IJSIR), 11(1), 44-64.

S. No.	Full Reference
193	Jain, Somya, and Adwitiya Sinha. "Identification of Influential users on Twitter: A Novel Weighted Correlated Influence Measure for Covid-19." <i>Chaos, Solitons & Fractals</i> (2020): 110037.
194	Gupta, Meeta, and Adwitiya Sinha. "Recursive density-based hierarchical clustering in gaussian distributed sensor network." <i>International Journal of System Assurance Engineering and Management</i> (2020): 1-10.
195	Aakash Suryan, Chaitanya Kumar, Mansi Mehta, Rajat Juneja, Adwitiya Sinha, "Learning Model for Phishing Website Detection," <i>EAI Endorsed Transactions on Scalable Information Systems</i> , pp.1-9, 2020
196	Saggu, Amrit Kaur, and Adwitiya Sinha. "Social Influence Analysis for Information Diffusion in Complex Commercial Network." <i>International Journal of Knowledge and Systems Science (IJKSS)</i> 11, no. 1 (2020): 22-59.
197	Anand Kumar Gupta, Neetu Sardana, A Novel method to dynamically fix threshold for node neighbourhood based link prediction techniques, <i>International Journal of Information Technology and Web Engineering (IJITWE)</i> 15(1), pages 17-34. DOI: 10.4018/IJITWE.2020010102
198	Tiwari, Vipin, and Ashish Mishra. "Neural network-based hardware classifier using CORDIC algorithm." <i>Modern Physics Letters B</i> 34, no. 15 (2020): 2050161.
199	Gagandeep Kaur, Vikas Saxena, J.P.Gupta, "Detection of TCP targeted high bandwidth attacks using self-similarity", in <i>Journal of King Saud University - Computer and Information Sciences</i> , Vol. 32, Issue 1, pp. 35-49, January 2020
200	T K Tewari, "Audio Watermarking: Art of Hiding Copyright Information for Piracy Control", <i>International Journal of Sensors, Wireless Communications and Control</i> , vol. 10, issue 2, pp. 276-289, April 2020.
201	Agarwal, Sakshi, and Shikha Mehta. "Effective influence estimation in twitter using temporal, profile, structural and interaction characteristics." <i>Information Processing & Management</i> 57, no. 6 (2020): 102321.
202	Sandhya Mishra and Devpriya Soni, "Smishing Detector: A security model to detect smishing through SMS content analysis and URL behavior analysis", <i>Future Generation Computer Systems (ELSEVIER Journal)</i> , Vol. 108, Pp. 803-815, ISBN/ISSN No. 0167-739X, March 2020, Impact Factor: 6.125, H-index:105, DOI: 10.1016/j.future.2020.03.021
203	S. Mehta, S. Sharma, S. Anand, S. Sharma and A. Goel, Random Forest Algorithm for Enhanced Prediction of Drug Target Interactions, <i>International Journal of Innovative Technology and Exploring Engineering (IJITEE)</i> ISSN: 2278-3075, Volume-9 Issue-4, February 2020
204	Madhuri, G & Bharat, G, "A New Scalable Approach for Missing Value Imputation in High-Throughput Microarray Data on Apache Spark" <i>International Journal of Data Mining and Bioinformatics</i> , 2020, Vol 23, No.1 , pp. 79-100
205	Krishnamurthi, Rajalakshmi, Raghav Maheshwari, and Rishabh Gulati. "Colorizing and Captioning Images Using Deep Learning Models and Deploying Them Via IoT Deployment Tools." <i>International Journal of Information Retrieval Research (IJIRR)</i> 10, no. 4 (2020): 35-50.
206	Singh, Roop; Ashok, Alaknanda; Saraswat, Mukesh: 'Optimised robust watermarking technique using CKGSA in DCT-SVD domain', <i>IET Image Processing</i> , 14 (10), pp. 2052-2063, 2020
207	Raju Pal and Mukesh Saraswat, A new weighted two-dimensional vector quantisation encoding method in bag-of-features for histopathological image classification, <i>International Journal of Intelligent Information and Database Systems</i> , 2020 Vol.13 No.2/3/4, pp.150 - 171
208	A. Kumar Dwivedi, A. Kumar Sharma, and P. Singh Mehra, "Energy Efficient Sensor Node Deployment Scheme for Two Stage Routing Protocol of Wireless Sensor Networks assisted IoT," <i>ECTI Trans. Electr. Eng. Electron. Commun.</i> , vol. 18, no. 2, pp. 158-169, Aug. 2020.

S. No.	Full Reference
209	Prajapati, A., Parashar, A. & Chhabra, J.K. Restructuring Object-Oriented Software Systems Using Various Aspects of Class Information. Arab J Sci Eng 45, 10433–10457 (2020). https://doi.org/10.1007/s13369-020-04785-z
210	Amarjeet, Sanjeev Kumar, “PSO-MoSR: A PSO based Multi-objective Software Remodularization”, International Journal of Bio-Inspired Computation, 15 (4) 2020
211	Mohindra, A., & Gandhi, C. (2020). Weighted Multipath Energy-Aware Clustered Stable Routing Protocol for Mobile Ad Hoc Networks. International Journal of Sensors Wireless Communications and Control, 10(3), 308-317.
212	Shardha Porwal, Sangeeta Mittal, “A Privacy Preserving and Efficient Multi Authority – CP-ABE Scheme for Secure Cloud Communication”, Journal of Cyber Security and Mobility, Vol. 9_4,601–626.doi: 10.13052/jcsm2245-1439.945, 2021.
213	Aggrawal, N., Arora, A., Anand, A., & Dwivedi, Y. (2020). Early viewers or followers: a mathematical model for YouTube viewers’ categorization. Kybernetes. [Indexed in Scopus, SCI; H index: 37; Impact Factor: 1.754]
214	Dabas, C., Jain, S., Bansal, A. et al. Implementation of image colorization with convolutional neural network. Int J Syst Assur Eng Manag 11, 625–634 (2020).
215	Dabas, Chetna, et al. “Machine Learning Evaluation for Music Genre Classification of Audio Signals.” IJGHPC 12.3 (2020): 57-67. Web. 8 Feb. 2021. doi:10.4018/IJGHPC.2020070104
216	Priti kumari, Parmeet Kaur, Topology-aware virtual machine replication for fault tolerance in cloud computing systems, Multiagent and Grid Systems, 16(2), pp 193-206, 2020
217	Kumar, Adarsh, Rajalakshmi Krishnamurthi, Anand Nayyar, Ashish Kr Luhach, Mohammad S. Khan, and Anuraj Singh. “A novel Software-Defined Drone Network (SDDN)-based collision avoidance strategies for on-road traffic monitoring and management.” Vehicular Communications, vol.100313,2020.
218	Rishnamurthi, Rajalakshmi, Adarsh Kumar, Dhanalakshmi Gopinathan, Anand Nayyar, and Basit Qureshi. “An Overview of IoT Sensor Data Processing, Fusion, and Analysis Techniques.” Sensors, vol. 20, no. 21, pp.6076-6099, (2020).

Conferences

S. No.	Full Reference
1	S. Sharma and S. Dang “Paroxetine Loaded PLGA Nanoparticles”, Materials Today Proceedings, vol.28, 2020, DOI: https://doi.org/10.1016/j.matpr.2020.01.568
2	P. Ojha and S. Dang “Development and in vitro characterization of diazepam loaded PLA nanoparticles”. Materials Today: Proceedings, Vol. 28 (1), pp. 246-250, 2020.
3	A. Garg and J. Gupta, “Order Statistics based best two transmit antenna selection for $N \times 1$ MISO system,” International Conference on Signal Processing and Communication, ICSC 2020, Mar, 2020.
4	A. Jain, S. Bansal, S. Akhter and S. Khan, “Vedic-Based Squaring Circuit Using Parallel Prefix Adders,” 2020 7th International Conference on Signal Processing and Integrated Networks (SPIN), Noida, India, 2020, pp. 970-974.
5	A. Kumar, P. Sood and U. Gupta, “Internet of Things (IoT) for Bank Locker Security System,” 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 315-318, doi: 10.1109/ICSC48311.2020.9182713
6	A. Kumar, U. Gupta, Tanya, and N. Gupta, “Simulation of Perovskite Solar Cell Employing ZnO as Electron Transport Layer (ETL) for Improved Efficiency”, Innovative Manufacturing, Mechatronics & Materials Forum 2020 (iM3F 2020) 6th August 2020, University Malaysia Pahang

S. No.	Full Reference
7	A. Paughat, B. Bansal, and T. Verma, "Performance evaluation of ad-hoc networks in static & mobile environment," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 51-57
8	D. Nishad, K. Nigam, VA Tikkiwal and S. Kumar, "Performance Analysis of Double Gated GaAs-Ge Based Hetero Tunnel Field Effect Transistor" 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 284-287, 10.1109/ICSC48311.2020.9182722
9	I. U. Khan, S. Akhter and S. Khan, "Detection and Classification of Brain Tumor using Support Vector Machine Based GUI," 2020 7th International Conference on Signal Processing and Integrated Networks (SPIN), Noida, India, 2020, pp. 739-744.
10	Jitender, J. Mohan and B. Chaturvedi, "A Voltage-Mode First Order All-Pass Filter with all Grounded Passive Components", International Conference on Signal Processing and Communication (ICSC-2020), JIIT, Noida, March, 2020.
11	J. Mohan, B. Chaturvedi, A. Kumar, "A General Configuration for Phase Equalization", 4th International Conference on Recent Advances in Mathematical Sciences and its Applications (RAMSA-2020), JIIT, Noida, pp. 020021-1-020021-7, January, 2020.
12	J. Singh and G. Kapur, "Design of CMOS based Neuromorphic Sensor Circuit Using Floating Gate MOSFET," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 248-251, doi: 10.1109/ICSC48311.2020.9182759.
13	K. Bansal, A. K. Gupta, and B. Bansal, "Pose Estimation on 3-D Models Using ConvNets," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 58-63
14	K. Singh, Sajal Khanna, "Split Column Based Memory Architecture with Single-ended High Speed Sensing circuit to improve Cache Memory Performance", 2020 6th International Conference on Signal Processing and Communication (ICSC 2020) , Jaypee Institute of Information Technology (JIIT), 5th -7th March, 2020.
15	R. K. Singh and A. Gupta, "An Ultra-thin Polarization Independent Quad-band Metamaterial-Inspired Absorber for X-and Ku-band Applications," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 34-38.
16	R. K. Singh and A. Gupta, "CRLH Transmission Line Based Compact Metamaterial Inspired Antenna for Wi-MAX Applications," 2020 URSI Regional Conference on Radio Science (URSI-RCRS), Varanasi, India, 2020, pp. 1-4.
17	S. Akhter, S. Chaturvedi, and S. Khan, "A distinctive approach for Vedic-based squaring circuit," IEEE 7th International Conference on Signal Processing and Integrated Networks (SPIN 2020), pp. 27-30, Feb. 2020.
18	S. Akhter, S. Chaturvedi, S. Khan, and A. Bhardwaj, "An efficient CMOS dynamic logic based full adder," IEEE 6th International Conference on Signal Processing and Communication (ICSC 2020), pp. 226-229, Mar. 2020.
19	Sajal Agarwal, "Bismuth based MIM Metamaterial Absorber for Broadband Absorption," 6th International Conference on Signal Processing and Communication, Jaypee Institute of Information Technology Noida, India, 5-7 March 2020.
20	S. Chaturvedi, V. Sharma, N. Singh, and S. Akhter, "Progress and advancements in tunnel FET technology," IEEE 6th International Conference on Signal Processing and Communication (ICSC 2020), pp. 294-297, Mar. 2020.

S. No.	Full Reference
21	S. Kalra, "A Graphical Insight into α Power MOSFET Model for Nanoscale CMOS Digital Technologies," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 325-330
22	S. Kumar, A. Garg and M. R. Bhatnagar, "Physical Layer Secrecy Performance Analysis of Imperfect Feedback Based 4x1 MISO System," 2020 International Conference on Signal Processing and Communications (SPCOM), Bangalore, India, 2020, pp. 1-5
23	V. Goel and H. Kumar, "Effect of Electrodes on Generation Rate of CdTe and PbSe Based Optoelectronic Devices," IEEE 6th International Conference on Signal Processing and Communication (ICSC 2020), Mar. 2020, DOI: 10.1109/ICSC48311.2020.9182742
24	R. Beniwal, N. S. Beniwal, G.N. Tiwari, and H.O., Gupta, "Reliability of Photovoltaic Thermal Systems: A review" National Conference on Sustainable Environment and Climate, Solaris 2020.
25	H. Yadav, A. Kumar Goyal and A. Kumar, "Design Analysis and Comparative Study of GDI Based Full Adder Design," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 319-321, doi: 10.1109/ICSC48311.2020.9182726
26	S. Malik, A. Garg, and M. R. Bhatnagar, Physical Layer Secrecy Performance Analysis of Imperfect Feedback Based 4x1 MISO System," 2020 IEEE International Conference on Signal Processing and Communications (SPCOM), Bengaluru, India, Accepted for publication.
27	A. Sood and Rahul Kaushik, "BER Analysis of 60GHz Millimeter Wave over Free Space Optical Communication System," in Proc. 2019 International Conference on Signal Processing and Communication (ICSC), JIIT,NOIDA, India,5-7 March, 2020.
28	V. Ranjan, M. Vinay Reddy, M. Irshad, N. Joshi, "The Internet of things (IoT) based smart rain water harvesting system", Accepted for Publication in IEEE International Conference on Signal Processing and Communication(ICSC-2020) , 05th-07th March 2020, Jaypee Institute of Information Technology, Noida, India.
29	A. Kumar, S. Srivastava, "Enhanced Gain Substrate Integrated Waveguide H Plane Horn Antenna for 5G Applications", in Proceeding of 2020 URSI Regional Conference on Radio Science (URSI-RCRS), Feb 2020.
30	A. Kumar, "SIW Based Bandpass Filter Integrated H-Plane Horn Antenna for K Band Applications", in the Proceeding of IEEE International Conference on Signal Processing and Communication(ICSC-2020), 05th-07th March 2020, Jaypee Institute of Information Technology, Noida, India.
31	Bhagirath Sahu,"Equivalent Circuit Analysis of the MMR-based UWB Microstrip Bandpass Filter", Accepted for Publication in IEEE International Conference on Signal Processing and Communication(ICSC-2020), 05th-07th March 2020, Jaypee Institute of Information Technology, Noida, India.
32	M. Jha, R. Gupta and R. Saxena, "A Review on Non-Invasive Biosensors for Early Detection of Lung Cancer," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 162-166, doi: 10.1109/ICSC48311.2020.9182775
33	P. Bhardwaj, K. Malhotra and R. K. Sharma, "Safety and Security System for Vehicles," 2019 International Conference on Electrical, Electronics and Computer Engineering (UPCON), ALIGARH, India, 2019, pp. 1-3, doi: 10.1109/UPCON47278.2019.8980102
34	P. Bhardwaj and R. Kumar Sharma, "Image Text Reader for Visually Impaired in Desired Language," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 340-343, doi: 10.1109/ICSC48311.2020.9182763.

S. No.	Full Reference
35	Kumar, Yogesh, Hemant Kumar, Gopal Rawat, Bhola N. Pal, and Satyabrata Jit. "Mg Doping Effects on Optical and Electrical Properties of Solution-Processed ZnO Quantum Dots Based Thin Film Devices."
36	Mehar Vijh, Deeksha Chandola, Vinay Anand Tikkiwal, Arun Kumar, "Stock Closing Price Prediction using Machine Learning Techniques," Procedia Computer Science, Vol. 167, 2020, pp. 599-606.
37	T. Mathur, V. A. Tikkiwal, T. Gupta, S. Gupta and A. Kumar, "Design and Techno-Economic Analysis of optimised Stand-Alone Hybrid Energy Systems for Telecom Infrastructure in the Arid Zones," 2019 6th International Conference on Computing for Sustainable Global Development (INDIACom), New Delhi, India, 2019, pp. 12-17.
38	G. Verma, P. Mittal and S. Farheen, "Real Time Weather Prediction System Using IOT and Machine Learning," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 322-324, doi: 10.1109/ICSC48311.2020.9182766.
39	P. Kwatra, D. Chandola, T. Mathur and V. A. Tikkiwal, "Fabrication of CZTS Thin Films based Solar Cells using Vacuum Deposition Techniques: A Status Review," 2019 International Conference on Signal Processing and Communication (ICSC), NOIDA, India, 2019, pp. 279-285.
40	A. Joshi, "5G Network Security and Enhancement Scheme Through Blockchain Technology," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 1-3, doi: 10.1109/ICSC48311.2020.9182743.
41	N. Gupta, S. Singh, R. Chaujar and A. Kumar, "Static and Thermal Behaviour of Gate Electrode Workfunction Engineered Silicon Nanowire MOSFET for Temperature Tolerance Applications", National E-Conference on Recent Advancements in Science and Technology (NECRASST 2020) 27th-28th July, ADGITM, New Delhi, 2020
42	A. Kumar, S. Saini, A. Gupta, N. Gupta, M. M. Tripathi and R. Chaujar, "Sub-10 nm High-k Dielectric SOI-FinFET for HighPerformance Low Power Applications," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 310-314, doi: 10.1109/ICSC48311.2020.9182748
43	A. Kumar, P. Sood and U. Gupta, "Internet of Things (IoT) for Bank Locker Security System," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 315-318, doi: 10.1109/ICSC48311.2020.9182713
44	N. Gupta, A. Kumar, R. Chaujar, B. Kumar and M. M. Tripathi, "Gate Engineered GAA Silicon-Nanowire MOSFET for High Switching Performance," 2020 IEEE VLSI DEVICE CIRCUIT AND SYSTEM (VLSI DCS), Kolkata, India, 2020, pp. 258-262, doi: 10.1109/VLSIDCS47293.2020.9179932
45	B. Kumar, A. Kumar and R. Chaujar, "The Effect of Gate Stack and High-κ Spacer on Device Performance of a Junctionless GAA FinFET," 2020 IEEE VLSI DEVICE CIRCUIT AND SYSTEM (VLSI DCS), Kolkata, India, 2020, pp. 159-163, doi: 10.1109/VLSIDCS47293.2020.9179855
46	H. Soni, P. M. Tripathi, M. M. Tripathi, A. Kumar and R. Chaujar, "Thermal Reliability of GaN-BTG-MOSFET for High-Performance Applications in Integrated Circuits," 2020 IEEE 40th International Conference on Electronics and Nanotechnology (ELNANO), Kyiv, Ukraine, 2020, pp. 220-223, doi: 10.1109/ELNANO50318.2020.9088791
47	V. Saxena, Y. Gupta, S. Kumar, N. Rao and V. Mishra, "Study and Analysis of Modified Junction-less SOI MOSFET at 18nm Gate Length," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 252-255

S. No.	Full Reference
48	C. Shankar, S. V. Singh, and V. A. Tikkiwal, "High input impedance VM biquad filter using single element", IEEE International Conference on Signal Processing and Communication (ICSC-2020, 5-7 March JIIT Noida), pp. 114-118, 2020
49	P.Srivastava, and S.Varshney, "A Review Paper on Institutional Investor's Endurance in IPO", 3rd International Conference on Innovative Computing and Communication(ICICC-2020),
50	Kumar A.,Kumar A.,Prakash G., "Research and Theory on Business Model in Social Entrepreneurship: A Comprehensive Review using Text Mining Analysis", Sixth Biennial Conference of the Indian Academy of Management (INDAM), Tiruchirappalli, India, January 2020, Vol. 6, No.1, pp. 11.
51	Kumar A., Naik BKR, "Technological Decisions In The Era Of Industry 4.0", International Conference on Industry 4.0: Current Perspectives and Future Directions, Ghaziabad and GLOGIFT, India, March 2020
52	Srivastava, N, Suresh, S. & Sijoria, C, "Collaborative Consumption: An outlook on Determinants and Deterrents in India", 6th International Communication Management Conference, Ahmedabad, India, January 2020.
53	Barsaiyan, S. & Sijoria, C., "Website Backlink Profile Analysis: A Comparative Study of Banks", Embracing the Transformative Times: An International Conference on Digitalization of Management and Social Sciences, Noida, India, February 2020.
54	Barsaiyan, S. & Sijoria, C., "Facebook Page LIKES, Not a KPI Anymore: A Conceptual Framework", National Conference on Sustainability in Business Practices, Noida, India, September 2020.
55	Srivastava, N., Suresh, S., & Sijoria, C. "Intention to Choose Collaborative Consumption: Role of Perceived Sustainability", National Conference on Sustainability in Business Practices, Noida, India, September 2020.
56	Upadhyaya, A. & Sijoria, C. "Retail Sustainability Management Leadership Model: A Key to Success in an Era of Consumerism", National Conference on Sustainability in Business Practices, Noida, India, September 2020.
57	Misra, R.K. & Sharma D., "Analysis of Bully's Characteristics in the Educational Sector" , National Conference on Sustainability in Business Practices, Noida, India, September 2020.
58	Misra, R. K. & Khurana, K., "Empowering Employability in Engineering Students for Sustainable Career: An Integrative Perspective", National Conference on Sustainability in Business Practices, Noida, India, September 2020.
59	Misra, R. K. & Dubey, S., "Employer Branding Strategies for Sustainable Organizations", National Conference on Sustainability in Business Practices, Noida, India, September 2020.
60	Rounak, S. & Misra. R. K., "Employee Value Proposition: Sustainability Factors Analysis" , National Conference on Sustainability in Business Practices, Noida, India, September 2020.
61	Misra, R. K., & Dwivedi, V. "From Agile Software to Agile HR: Has it Finally Arrived" , National Conference on Sustainability in Business Practices, Noida, India, September 2020.
62	Singh, M. & Kumar, A. "Employee Engagement Practices for Organizational Sustainability: A Study of Selected Manufacturing Organizations of Delhi/ NCR" , National Conference on Sustainability in Business Practices, Noida, India, September 2020.
63	Shivanjali, & Singh, M. "Green HRM and Organizational Sustainability: A Theoretical Review", National Conference on Sustainability in Business Practices, Noida, India, September 2020.
64	Pripathi, P., Alavi, S., & Kapoor, S. "Factors Affecting Pre Purchase Behavior of Sustainability Conscious Consumers" , National Conference on Sustainability in Business Practices, Noida, India, September 2020.

S. No.	Full Reference
65	Suresh, S., “Sustainable Consumption in Automobile Sector: Impact of Individual and Situational Factors on Decisions Leading to Leasing and Sharing” , National Conference on Sustainability in Business Practices, Noida, India, September 2020.
66	Dubey, A., & Sharma R., “Review of Factors Affecting Success of Startup” , National Conference on Sustainability in Business Practices, Noida, India, September 2020.
67	Khare, T. & Kapoor, S., “Behavioral Challenges of Financial Professionals in Sustainable Investment Practices”, National Conference on Sustainability in Business Practices, Noida, India, September 2020.
68	Agarwal, G. K., “Good Governance: A Must for Sustainable Business Performance & Growth” , National Conference on Sustainability in Business Practices, Noida, India, September 2020.
69	Agarwal, G. K., “Sustainable Fraud Detection Mechanism Through Internal Auditor’s Independence” , National Conference on Sustainability in Business Practices, Noida, India, September 2020.
70	Samaddar, K. & Misra, R. K., “Evolution of Global Sourcing: A Literature Review” , National Conference on Sustainability in Business Practices, Noida, India, September 2020.
71	Malik, A., Suresh, S., & Sharma, S. “Factors Affecting Mobile Wallet APP Adoption: An Extension of Utaut Model” , National Conference on Sustainability in Business Practices, Noida, India, September 2020.
72	A. K. Aggarwal and D. Dixit, “Triple Diffusive Convection of Non-Newtonian Fluid subject to Compressibility and Suspended Particles,” In AIP Conf. Proc., Vol. 2214, Issue 1, January 2020, pp. 010001.
73	Nidhi and Lokendra Kumar, “MHD double diffusive mixed convective boundary layer flow of nanofluid past a linear stretching vertical plate”, AIP Conference Proceedings 2214, 020025 (2020). ISSN 00001984, 00002005, 00001983. https://doi.org/10.1063/5.0003378
74	P. Tanwar and A. Srivastava, “Knowledge and uncertainty in Atanassov’s intuitionistic fuzzy sets (AIFSs),” in Proc. 5th International Conference on Recent Advances in Mathematical Sciences and its Applications (RAMSA-2021), Noida, India, AIP Conference Proceedings 2214, 020005 (2020); https://doi.org/10.1063/5.0003374
75	P.Kumari and Neha,”Reflection/transmission of qP (/qSV) wave through orthotropic medium between self-reinforced and orthotropic half-spaces”,AIP Conference Proceedings, vol. 2214, pp. 020002, 2020
76	A. Bhardwaj, A. Wadhwa, “Medical image enhancement using fractional derivatives”, In AIP Conference Proceedings, 2214 (1), 020009, January, India, 2020
77	S Tyagi, S Malhotra, D Kumar, VS Verma, A. Bhardwaj, “Mammographic image segmentation with modified FCM based clustering algorithm”, In AIP Conference Proceedings, 2214 (1), 020028, January, India, 2020
78	P.Verma, L. Kaur, “Extended exp(-f (xi))-expansion method for generalized breaking soliton equation”, AIP Conference Proceedings vol. 2214 (1), pp. 020006,2020
79	V. K. Pandey, H. Agarwal and A. K. Aggarwal, “Visualization of solution of heat equation by different interpolation methods”, in Proc. Int. Conf. on Recent Advances in Mathematical Sciences and its Applications, AIP Conference Proceedings, Noida, India, 2020, vol. 2214, pp. 020023-01-, 020023-8 doi: https://doi.org/10.1063/5.0003375 .
80	A. Bhagat, Unreliable priority retrial queues with double orbits and discouraged customers” AIP Conference Proceedings , Vol. 2214, pp. 020014 2020.

S. No.	Full Reference
81	K.G. Dangi, A. Bhagat and S. P. Panda, "Coexistence modeling of Wi-Fi and ZigBee in hospital centered wireless body area network" AIP Conference Proceedings, Vol. 2214, pp. 020004, 2020.
82	Alok PS Chauhan, Swet Chandan, Yashwardhan Sahi, "Enhanced vibration energy harvesting from lead free ceramic 0.5Ba(Zr0.2Ti0.8)O3-0.5(Ba0.7Ca0.3)TiO3", Materials Today: Proceedings, 2020.
83	Arun K Singh, Nitish Sinha, Alok PS Chauhan, "Frictional properties of dry multiwall carbon nanotubes (MWCNTs) nanoparticles" Materials Today: Proceeding 2020.
84	Divya Chawla and Navendu Goswami, "Structural and Optical Properties of CdZnS nanoparticles by Exploding Wire Technique" Materials Today: Proc., vol. 28, part 1, pp. 278-281, 2020
85	Meenakshi Rana, Papia Chowdhury, "Nonlinear optical responses of organic based indole derivative: An experimental and computational study", Materialstoday: Proceedings, 28, 241-245 (2020).
86	Pooja and Papia Chowdhury, "Optical and electronic properties of CdTe quantum dots in their freezed solid matrix phase and solution phase", Materialstoday: Proceedings, 28, 201-204 (2020).
87	Pooja, Meenaksi Rana, Papia Chowdhury, "Optical and structural investigation of CdTe quantum dots in freezed solid phase between PVA polymer matrix", AIP Conference Proceedings, 2265, 030176 (2020).
88	Sukanya Nasa; S. P. Purohit, "Photoelectric process in GaAs quantum dot", Materials Today: Proceedings, Vol. 28, 350-352, 2020
89	S. Singh, H. Pandey, "Ab initio investigation on Half-Heusler CoTiSi", Materials Today: Proceedings, vol. 28, pp. 325--327, 2020.
90	Sheetal Sharma and Manoj Kumar, "Band gap tuning and optical properties of BiFeO3 nanoparticles" Materials Today: Proc., vol. 18, part 1, pp. 168-171, 2020
91	Shalu Sharma and Sandeep Chhoker, "CVD grown doped and Co-doped SnO2 nanowires and its optical and electrical studies", Materials Today: Proceeding 2020.
92	S. Singh, N Goswami, SC Katyal, "Magnetic and dielectric study of nanoparticles of Cu-ferrite prepared by explosion technique", vol. 28, 294-297, 2020.
93	Saxena S. Dwivedi R.K. and Khare V., "Tuning of a wide range of low resonance frequencies by a novel multi-resonant piezoelectric energy harvester", Materials Today: Proceedings, 28 (2020) 86-87
94	V. Kapoor, N. K. Sharma, "Fiber optic SPR sensing using zinc oxide", Materials Today: Proc., vol. 28, pp. 14-15, 2020.
95	V. Malik, 'Growth of Domains for two dimensional Coulomb Glass', Material Today: Proceedings, Vol 28 Part1, pages 49-51
96	Vijayeta Pal, A. K. Singh, Monika Singh, O. P. Thakur and R. K. Dwivedi, "Structural and large electric field-induced bipolar strain study of lead free Bi0.5Na0.5TiO3: Gd Piezoceramics", Materials Today: Proceedings, 28 (2020) 328-331
97	Y. Bharti, S. Aggarwal, V. Malik, 'Efect of filler length dispersity on two dimensional nano wire composites, Material Today: Proceedings, Vol 28 Part1, pages 251-253
98	Shardha Prwal, Sangeeta Mittal, "A threshold secret sharing technique based on matrix manipulation", Recent Advances in Mathematical Sciences and its Applications, pp 1-5, 2020
99	Uppal, S., Jain, A., & Arora, A., "Comparative Analysis for KeyTerms Extraction Methods for Personalized Search Engines", In 2020 10th International Conference on Cloud Computing, Data Science & Engineering (Confluence) pp. 358-363, 2020.

S. No.	Full Reference
100	H. Mittal, M. Saraswat, and R. Pal, "Histopathological Image Classification by Optimized Neural Network Using IGSA", International Conference on Distributed Computing and Internet Technology, Springer, India, 2020.
101	B. Saxena and V. Saxena, "Influence Maximization in Social Networks using Hurst exponent based Diffusion Model ". 10th International Conference on Cloud Computing, Data Science & Engineering (Confluence), Noida, India, 2020, pp 167-171, doi:10.1109/Confluence47617.2020.9057811
102	F. Siddiqui, S. Gupta, S. Dubey, S. Murtuza and A. Jain, "Classification and Diagnosis of Invasive Ductal Carcinoma Using Deep Learning," 2020 10th International Conference on Cloud Computing, Data Science & Engineering (Confluence), Noida, India, 2020, pp. 242-247, doi: 10.1109/Confluence47617.2020.9058077.
103	A.Nigam,S.Garg,A.Agrawal,P.Agarwal,"Crop Yield Prediction Using Machine Learning Algorithms", Fifth International Conference on Image Information Processing, IEEE, 2019,pp.125-130.
104	RAWAT, T; JAIN, S., A Dimensional Representation of Depressive Text, International Conference on Data Analytics and Management (ICDAM-2020), 2020
105	V. Pandit, R. Gulati, C. Singla and S. K. Singh, "DeepCap: A Deep Learning Model to Caption Black and White Images," 2020 10th International Conference on Cloud Computing, Data Science & Engineering (Confluence), Noida, India, 2020, pp. 22-26
106	Monish, Harshit, and Avinash Chandra Pandey. "A Comparative assessment of Data Mining Algorithms to predict fraudulent firms." in 2020 10th International Conference on Cloud Computing, Data Science & Engineering, IEEE, pp. 117-122, 2020.
107	P. Gupta, P. Raj, S. Tiwari, P. Kumari, and P. S. Mehra, "Energy Efficient Diagonal Based Clustering Protocol in Wireless Sensor Network," 1st International Conference on Intelligent Communication and Computational Research(ICICCR-2020), Punjab, India. pp. 1-8 , Apr. 2020. http://dx.doi.org/10.2139/ssrn.3565781 20PGEECSEIC01
108	. Kushagra Nigam, Kirti Godani, Deepshi Sharma, Saransh Khandelwal, Megha Rathi, " Personalized Heart Monitoring and Reporting System",IEEE InternationalConference on Research, Innovation, Knowledge Management and Technology Application for Business Sustainability (INBUSH -2020), Greater Noida, India
109	R. Gupta and S. K. Singh, "Using Software Metrics to detect Temporary Field code smell," 2020 10th International Conference on Cloud Computing, Data Science & Engineering (Confluence), Noida, India, 2020, pp. 45-49
110	Lahiri, Aditya, Yash Kumar Singhal, and Adwitiya Sinha. "TODD: Time-Aware Opinion Dynamics Diffusion Model for Online Social Networks." In Proceedings of International Conference on Artificial Intelligence and Applications, pp. 235-245. Springer, Singapore.
111	Parashar, Rajat, Mansi Goel, Nikitasha Sharma, Abhinav Jain, Adwitiya Sinha, and Prantik Biswas. "Discovering Mutated Motifs in DNA Sequences: A Comparative Analysis." In Proceedings of International Conference on Artificial Intelligence and Applications, pp. 257-269. Springer, Singapore.
112	Banthia, Muskan, Shipra Goel, and Adwitiya Sinha. "Geo-Spatial Analysis of Information Outreach in Twitter Social Network." In Proceedings of International Conference on Futuristic Trends in Networks and Computing Technologies, pp. 444-455. Springer, Singapore, 2020.
113	Chaudhary, Paras, Somya Jain, and Adwitiya Sinha. "Sustainable Approach for Forest Fire Prediction." In Proceedings of International Conference on Futuristic Trends in Networks and Computing Technologies, pp. 456-469. Springer, Singapore, 2020.

S. No.	Full Reference
114	Garg, Nayan, Somya Goel, Parinay Prateek, Sanjana Roshan, Adwitiya Sinha, and Prantik Biswas. "Rumour Control Model to Prevent Falsehood Propagation in Social Media." In Proceedings of International Conference on Futuristic Trends in Networks and Computing Technologies, pp. 470-481. Springer, Singapore, 2020.
115	Krishnamurthi R., Goyal M. Energy Efficient Content Based Image Retrieval Recommender System in Mobile Cloud. In: Batra U., Roy N., Panda B. (eds) Data Science and Analytics. REDSET 2019. Communications in Computer and Information Science, vol 1230. ,2020, Springer, Singapore
116	Wadhwa A., Thakur M.K, "Repulsion-Based Grey Wolf Optimizer" in Proceedings of International Conference on Artificial Intelligence and Applications. Advances in Intelligent Systems and Computing, 2020, Springer, pp 385-394.
117	Hema N, Juli Y, Secure Home Entry Using Raspberry Pi with Notification via Telegram,, 2020 6th International Conference on Signal Processing and Communication (ICSC), 2020
118	Hema N, Hardik Rewari and Dhroov Batra , Automated Tomato Sorting Machine, 2020 6th International Conference on Signal Processing and Communication (ICSC) 2020
119	Agrawal, Rahul, Manas Agarwal, and Rajalakshmi Krishnamurthi. "Cognitive Number Plate Recognition using Machine Learning and Data Visualization Techniques." In 2020 6th International Conference on Signal Processing and Communication (ICSC), pp. 101-107. IEEE, 2020.
120	Sharma H, Gupta S, Sharma Y, Purwar A. A New Model for Emotion Prediction in Music. In 2020 6th International Conference on Signal Processing and Communication (ICSC) 2020 Mar 5 (pp. 156-161). IEEE.
121	Gupta S, Agarwal A, Deep P, Vaish S, Purwar A. Analysis of Minimum Support Price Prediction for Indian Crops Using Machine Learning and Numerical Methods. In International Conference on Innovative Computing and Communications 2020 Jul 30 (pp. 267-277). Springer, Singapore.
122	R. Chanana, A. K. Singh, R. Killa, S. Agarwal, and P. S. Mehra, "Blockchain Based Secure Model for Sensor Data in Wireless Sensor Network," in 2020 6th International Conference on Signal Processing and Communication (ICSC), 2020, pp. 288-293.
123	Gupta, A., Gandhi, C., Katara, V., & Brar, S. (2020, July). Real-time video monitoring of vehicular traffic and adaptive signal change using Raspberry Pi. In 2020 IEEE Students Conference on Engineering & Systems (SCES) (pp. 1-5). IEEE.
124	Jain N., Singh S., Datta N., Dawn S. (2021) Time Series Forecasting to Predict Pollutants of Air, Water and Noise Using Deep Learning Methods. In: Satapathy S., Bhateja V., Janakiramaiah B., Chen YW. (eds) Intelligent System Design. Advances in Intelligent Systems and Computing, vol 1171. Springer, Singapore. https://doi.org/10.1007/978-981-15-5400-1_75
125	S. Dawn, U. Saraogi and U. Singh Thakur, "Agent-based Learning for Auto-Navigation within the Virtual City," 2020 International Conference on Computational Performance Evaluation (ComPE), Shillong, India, 2020, pp. 007-012, doi: 10.1109/ComPE49325.2020.9199993.
126	S. Dawn, S. Tulsyan, S. Bhattarai, S. Gopal and V. Saxena, "An Efficient Approach to Image Indexing and Retrieval Using Haar Cascade and Perceptual Similarity Index," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 108-113, doi: 10.1109/ICSC48311.2020.9182741.
127	Payal Khurana Batra, Aditi Saxena, Shruti, Chaitanya Goel, " Election Result Prediction Using Twitter Sentiments Analysis", Sixth IEEE International Conference on Parallel, Distributed and Grid Computing (PDGC), pp 182-185,Waknaghat, Solan, India, Nov. 2020

S. No.	Full Reference
128	Nigam H., Biswas P. (2021) Web Scraping: From Tools to Related Legislation and Implementation Using Python. In: Raj J.S., Iliyasa A.M., Bestak R., Baig Z.A. (eds) Innovative Data Communication Technologies and Application. Lecture Notes on Data Engineering and Communications Technologies, vol 59. Springer, Singapore. https://doi.org/10.1007/978-981-15-9651-3_13
129	H. Mittal, M. Saraswat, J. C. Bansal and A. Nagar, "Fake-Face Image Classification using Improved Quantum-Inspired Evolutionary-based Feature Selection Method," 2020 IEEE Symposium Series on Computational Intelligence (SSCI), Canberra, Australia, 2020, pp. 989-995, doi: 10.1109/SSCI47803.2020.9308337.
130	A. Agarwal, H. Rana, V. Vats and M. Saraswat, "Efficient Traffic Density Estimation Using Convolutional Neural Network," 2020 6th International Conference on Signal Processing and Communication (ICSC), Noida, India, 2020, pp. 96-100, doi: 10.1109/ICSC48311.2020.9182718.
131	Kushwah, R., Batra, P. K., & Jain, A. (2020, March). Internet of Things Architectural Elements, Challenges and Future Directions. In 2020 6th International Conference on Signal Processing and Communication (ICSC) (pp. 1-5). IEEE.

Book/Book Chapters

S. No.	Full Reference
1	S.Chawla, S.K. Saxena, "Preparing for the Perpetual Challenges of Pandemics of Coronavirus Infections with Special Focus on SARS-CoV-2" in Coronavirus Disease 2019 (COVID-19), Springer Nature, pp.165-186, 2020.
2	R. Ghildiyal, V. Prakash, V.K. Chaudhary, V.Gupta, R. Gabrani " Phytochemicals as Antiviral Agents: Recent Updates" In "Plant-derived Bioactives: Production, Properties and Therapeutic Applications" Vol 2 12 May 2020;279-295. doi:10.1007/978-981-15-1761-7_12 Springer
3	S. Mittal, V. Singh and S. Dang, "Advances in Nanocarrier-Based Delivery of Therapeutic Peptides." In: Talegaonkar S., Rai M. (eds) Nanoformulations in Human Health. Springer, Cham. 2020 https://doi.org/10.1007/978-3-030-41858-8_19
4	K. Nigam, P.H. Ruba, P. Kapoor, R. Gabrani, S. Dang, "Nano-carriers for Natural Therapeutics in Management of Neuropathic Pain" In: Talegaonkar S., Rai M. (eds) Nanoformulations in Human Health. Springer, Cham. 2020 https://doi.org/10.1007/978-3-030-41858-8_16
5	K.Sharma and S. Gaur. Probiotics: An Essential Approach for Maintaining Healthy Human Gut In: Advances in bioresources, biodiversity and therapeutics, IK International , pp 26-34, 2020.
6	Akansha Chaurasia, Rishibha Gupta, Smriti Gaur. Kefir: The Upcoming Fermented Milk Generation In: Advances in bioresources, biodiversity and therapeutics, IK International , pp 119-125, 2020.
7	Singh S., Gaur S. Lycopene: Chemistry, Biosynthesis, Health Benefits and Nutraceutical Applications. In: Plant-derived Bioactives, chemistry and mode of action. Springer, Singapore. pp 251-264, 2020. https://doi.org/10.1007/978-981-15-2361-8_11 .
8	P. Upadhyay, P. Gauba, Ashwani Mathur, "Paraben: A Boon or Bane for Society", In. Gauba P. (ed.), Advances in Bioresources, Biodiversity and Therapeutics, IK International Pvt. Ltd., India, 2020, pp. 79 - 93
9	A. Aggarwal, and A. Mathur, "Hydroponics: Current Prospects and Future Perspectives", In. Gauba P. (ed.), Advances in Bioresources, Biodiversity and Therapeutics, IK International Pvt. Ltd., India, 2020, pp. 94 - 105
10	J. Aggarwal, R. Singh, P. Upadhyay, A. Aggarwal, A. Mathur, "Waste Water Management using IoT (Internet of Things)", In. Gauba P. (ed.), Advances in Bioresources, Biodiversity and Therapeutics, IK International Pvt. Ltd., India, 2020, pp. 300 - 308

S. No.	Full Reference
11	R. Rahman, S.Tyagi, and G. Mathur, "Chitosan and their Derivatives in Wastewater Treatment", In: Gauba P. (ed.), <i>Advances in Bioresources, Biodiversity and Therapeutics</i> , IK International Pvt. Ltd., India, 2020, pp. 19-25
12	S. Tyagi, G. Mathur, "Withania somnifera: A Review on Ethano-Medicinal Properties and Withanolide Biosynthesis", <i>Advances in Bioresources, Biodiversity and Therapeutics</i> , I.K. International Pvt. Ltd., 2020, pp. 106-118
13	J. Bhasin, A. Vaishali, A. Bhatia, S. Fatima, and G. Mathur, "Recent Trends in Production of Bacterial Cellulose Composites and Their Applications", <i>Advances in Bioresources, Biodiversity and Therapeutics</i> , I.K. International Pvt. Ltd., 2020, pp. 127-134.
14	S. Tyagi, G. Mathur, "Stevia: An Underutilized Sweetener", <i>Advances in Bioresources, Biodiversity and Therapeutics</i> , I.K. International Pvt. Ltd., 2020, pp. 151-160.
15	P.Thakur, P.Gauba. 'Impact of Chemical Fertilizers on Biome'. <i>Advances in Bioresources, Biodiversity and Therapeutics</i> , I.K.International Pvt. Ltd., 1-9
16	A. Saxena, P. Gauba. "Zero Liquid Discharge For Wastewater Management" <i>Advances in Bioresources, Biodiversity and Therapeutics</i> , I.K.International Pvt. Ltd., 2020,10-18
17	G. Maheshwari, S.Mathur, P.Gauba "Phytoestrogen: Food or Drug?" <i>Advances in Bioresources, Biodiversity and Therapeutics</i> , I.K.International Pvt. Ltd., 309-319
18	S. Mathur, G. Maheshwari, P. Gauba. "Effects of Hormones on Food Intake". <i>Advances in Bioresources, Biodiversity and Therapeutics</i> , I.K.International Pvt. Ltd., 135-143
19	M.Ishaque Tiwari,A., Jain,C.K.. Crispr/cas9: A New Therapeutic for Cancer and Genetic Disorder, I.K. International Pvt. Ltd. 2020 Pp 255-270
20	P. K.Tripathi, Jain C K., Drug Resistance in Cancer, <i>Advances in Bioresources, Biodiversity and Therapeutics</i> , I.K. International Pvt. Ltd. 2020 Pp-271-279
21	N. Srivastava, I.P. Sarethy, "High Throughput Screening and Drug Discovery", Chapter 5 in <i>Advances In Bioresources, Biodiversity And Therapeutics</i> , (Eds. Pammi Gauba, Indira P. Sarethy, Ashwani Mathur), ISBN 978-93-86768-87-2, pp 35-52, June 2020, I.K. International Pvt. Ltd., New Delhi, India
22	N. Srivastava, I.P. Sarethy, "Bioprospecting: The Screening Steps in the Search for Pharmacologically Important Natural Products", Chapter 6 in <i>Advances In Bioresources, Biodiversity And Therapeutics</i> , (Eds. Pammi Gauba, Indira P. Sarethy, Ashwani Mathur), ISBN 978-93-86768-87-2, pp 53-78, June 2020, I.K. International Pvt. Ltd., New Delhi, India
23	K. Singh, D. Kaloni, K. Sehgal, S. Pan, I.P. Sarethy, "Essential Oils: An Update On Their Biosynthesis And Genetic Strategies To Overcome The Production Challenges", In <i>Plant-Derived Bioactives</i> , (Ed. M. K. Swamy), pp Springer Nature Singapore Pte Ltd. pp 33-60, May 2020, https://doi.org/10.1007/978-981-15-1761-7_2
24	U. Naithani, J. Jain, P. Naithani, A. Mathur, "Examining the existence of Environmental Kuznets curve for Advanced Economies". <i>Proceeding of 'International Conference on recent innovations in Science, Engineering, technology and Management</i> , 2020, pp 97-102 (Published asa chapter in a book of conference proceeding)
25	S.Sharma, N.Wadhwa,"Commercial application of Pectinases" Chapter 13 in <i>Advances In Bioresources, Biodiversity And Therapeutics</i> , (Eds. Pammi Gauba, Indira P. Sarethy, Ashwani Mathur), ISBN 978-93-86768-87-2, pp 53-78, June 2020, I.K. International Pvt. Ltd., New Delhi, India

S. No.	Full Reference
26	Advances in Biotechnology and Life Sciences. Editor: Prof Pammi Gauba, Co-editor: Prof Sudha Srivastava, Dr Shalini Mani. Publisher: Vidya Kutir Publications, New Delhi. 2020
27	Fpratishtika Singh, Dr Chakresh Kumar Jain, “Applications of Machine learning techniques in predicting the early detection of psychiatric disorders” in Advances in Biotechnology and Life Sciences (Eds: Pammi Gauba, Sudha Srivastava, Shalini Mani), Oct 2020, Vidya Kutir, New Delhi .ISBN: 978-81-948426-2-0.
28	Pankaj Kumar Tripathi, Chakresh Kumar Jain “Soft Computing Approaches in Colorectal Cancer genomics” in Advances in Biotechnology and Life Sciences (Eds: Pammi Gauba, Sudha Srivastava, Shalini Mani), Oct 2020, Vidya Kutir, New Delhi .ISBN: 978-81-948426-2-0.
29	Rishibha Gupta, Smriti Gaur. “Small Millets: Grains full of Nutrients yet largely underutilized” in Advances in Biotechnology and Life Sciences (Eds: Pammi Gauba, Sudha Srivastava, Shalini Mani), Oct 2020, Vidya Kutir, New Delhi .ISBN: 978-81-948426-2-0.
30	Juhi Mathur, Shubham Rajput, Many Singh, Pammi Gauba. EFFECT OF DIFFERENT LIGHT COLOUR SOURCES ON GROWTH AND DEVELOPMENT OF PLANTS” in Advances in Biotechnology and Life Sciences (Eds: Pammi Gauba, Sudha Srivastava, Shalini Mani), Oct 2020, Vidya Kutir, New Delhi .ISBN: 978-81-948426-2-0.
31	Siddharth Parashar, Saundarya Singh, Purnima Verma, Smriti Gaur. MICROBES AS A SOURCE OF SUSTAINABLE ENERGY” in Advances in Biotechnology and Life Sciences (Eds: Pammi Gauba, Sudha Srivastava, Shalini Mani), Oct 2020, Vidya Kutir, New Delhi .ISBN: 978-81-948426-2-0.
32	Shilpi Panwar & Pammi Gauba. “IMPACT OF RADIOACTIVE METALS ON HUMAN HEALTH” in Advances in Biotechnology and Life Sciences (Eds: Pammi Gauba, Sudha Srivastava, Shalini Mani), Oct 2020, Vidya Kutir, New Delhi .ISBN: 978-81-948426-2-0.
33	Jayshree Jain, Sakshi Tyagi, Shalini Mani. “EPIGENETICS IN HUMAN HEALTH AND DISEASE” in Advances in Biotechnology and Life Sciences (Eds: Pammi Gauba, Sudha Srivastava, Shalini Mani), Oct 2020, Vidya Kutir, New Delhi .ISBN: 978-81-948426-2-0.
34	Sakshi Tyagi, Shalini Mani. “VITAMIN D DEFICIENCY IN DIABETES” in Advances in Biotechnology and Life Sciences (Eds: Pammi Gauba, Sudha Srivastava, Shalini Mani), Oct 2020, Vidya Kutir, New Delhi .ISBN: 978-81-948426-2-0.
35	Kanishka Jain, Ruchika Yadav, Jasmine Varshney, Sakshi Tyagi, Shalini Mani. “ASSOCIATION OF VITAMIN D DEFICIENCY WITH CANCER PHENOTYPE” in Advances in Biotechnology and Life Sciences (Eds: Pammi Gauba, Sudha Srivastava, Shalini Mani), Oct 2020, Vidya Kutir, New Delhi .ISBN: 978-81-948426-2-0.
36	Srishti Singh, Smriti Gaur. “Survey-based-study on awareness of consumers towards fermented food products consumption” in Advances in Biotechnology and Life Sciences (Eds: Pammi Gauba, Sudha Srivastava, Shalini Mani), Oct 2020, Vidya Kutir, New Delhi .ISBN: 978-81-948426-2-0.
37	R Rachana*; Sharma Mansi. “Transdermal therapeutics for the treatment of cancer” in Advances in Biotechnology and Life Sciences (Eds: Pammi Gauba, Sudha Srivastava, Shalini Mani), Oct 2020, Vidya Kutir, New Delhi .ISBN: 978-81-948426-2-0.
38	Amita Tiwari ¹ , Pammi Gauba. “Phytoextraction of Precious Metal” in Advances in Biotechnology and Life Sciences (Eds: Pammi Gauba, Sudha Srivastava, Shalini Mani), Oct 2020, Vidya Kutir, New Delhi .ISBN: 978-81-948426-2-0.
39	Vibha Rani, Gauransh Jain, Bhavya Bhardwaj. “Medical Devices: Advancements and Regulations” in Advances in Biotechnology and Life Sciences (Eds: Pammi Gauba, Sudha Srivastava, Shalini Mani), Oct 2020, Vidya Kutir, New Delhi .ISBN: 978-81-948426-2-0.

S. No.	Full Reference
40	. A. Kumar, A. K. Goyal, M. Roy, N. Gupta, M. M. Tripathi, and R. Chaujar, "Detection of Hazardous Analyte Using Transparent Gate Thin Film Transistor", Micro-Electronics and Telecommunication Engineering. Lecture Notes in Networks and Systems, vol 106. pp. 97- 204. Springer Nature, 2019. DOI: https://doi.org/10.1007/978-981-15-2329-8_20 .
41	B. Chaturvedi, J. Mohan and A. Kumar, "Orthogonally Controllable VQO for Low Voltage Applications", Springer book. In: Dhiman R., Chandel R. (eds) Nanoscale VLSI. Energy Systems in Electrical Engineering, Springer, Singapore, 2020. https://doi.org/10.1007/978-981-15-7937-0_3
42	S Alavi. & V. Ahuja "Managing Social Media Practices in Digital Economy", ISBN13: 9781799821854, IGI Global publications, Jan 2020.
43	R Sharma, V. Ahuja & S. Alavi., "Developing a Research Instrument to Study the Impact of Consumer Brand Perception, Consumer Brand Relationship and Consumer Buying Behaviour on Online Apparel Shopping". In Digital and Social Media Marketing pp. 67- 81., Springer, Cham, 2020
44	N. Mittal, M. Chaudhary, & S. Alavi, " An Evaluative Framework for the Most Suitable Theory of Mobile Learning" In Managing Social Media Practices in the Digital Economy pp. 1-24., IGI Global, 2020
45	B.P. Chamola and P. Kumari, Advancements in Mathematics and its Emerging Areas. AIP Publishing, USA, 2020, ISBN: 978-0-7354-1967-4
46	D. Chhibber, D.C.S. Bisht, and P. K. Srivastava, "Fuzzy transportation problems and variants" in Computational Intelligence: Theoretical Advances and Advanced Applications, Walter de Gruyter GmbH & Co KG, vol 3, pp.91-110, 2020.
47	V. Khanna, B. K. Das, and D. Bisht, "Particle swarm optimization and differential evolution algorithms: application to solar photovoltaic cells" in Theoretical Advances and Advanced Applications, Walter de Gruyter GmbH & Co KG, vol 3, pp.209-230, 2020.
48	G. Goyal, P. K. Srivastava, and D. C. S. Bisht, "Genetic algorithm: a metaheuristic approach of optimization" in Computational Intelligence: Theoretical Advances and Advanced Applications, Walter de Gruyter GmbH & Co KG, Vol 3, pp.27-44, 2020.
49	D. C. S. Bisht and M. Ram, Computational Intelligence: Theoretical Advances and Advanced Applications. Walter de Gruyter GmbH & Co KG, 2020, ISBN: 978-3-11-065524-7, ISSN 2626-5427.
50	R. Jain, Mohd Y. Sheikh, D. Singhand M. Tripathi, "Numerical Analysis of Joukowski (T = 12%) Airfoil by k-ε Turbulence Model at High Reynolds Number", in Intelligent Computing Applications for Sustainable Real-World Systems, Pandit, Manjaree, Srivastava, Laxmi, Venkata Rao, Ravipudi, Bansal, Jagdish Chand (Eds.), Springer International Publications (2020); ISBN 978-3-030-44758-8; 320-329.
51	Krishnamurthi, Rajalakshmi, Dhanalekshmi Gopinathan, and Anand Nayyar. "A Comprehensive Overview of Fog Data Processing and Analytics for Healthcare 4.0." Fog Computing for Healthcare 4.0 Environments: 103-129.
52	Beena, T. Lucia Agnes, D. Sumathi, Rajalakshmi Krishnamurthi, and Prabha Selvaraj. "Big Data Management Solutions for IoT: Case Study-Connected Car." In The Internet of Things and Big Data Analytics, pp. 301-318. Auerbach Publications, 2020.
53	Kaul, A., Mittal, V., Chaudhary, M., & Arora, A. (2020). Persona Classification of Celebrity Twitter Users. In Digital and Social Media Marketing (pp. 109-125). Springer, Cham.
54	Jain, A., Tayal, D. K., Yadav, D., & Arora, A. (2020). Research Trends for Named Entity Recognition in Hindi Language. In Data Visualization and Knowledge Engineering (pp. 223-248). Springer, Cham.

S. No.	Full Reference
55	Kaushik, S., & Gandhi, C. (2020). Security for the Cloud. In Cloud Computing Applications and Techniques for E-Commerce (pp. 68-83). IGI Global.
56	Kaur, A., Gupta, G. P., & Mittal, S., "Impact of Nature-Inspired Algorithms on Localization Algorithms in Wireless Sensor Networks", In Nature-Inspired Computing Applications in Advanced Communication Networks, pp. 1-18, 2020, IGI Global.
57	PANDEY K., JAIN S., A Fuzzy-Based Sustainable Solution for Smart Farming, Fuzzy Expert Systems and Applications in Agricultural Diagnosis, 109-129, 2020
58	Meenakshi Sharma, Nidhika Chauhan, Himani Bansal, Loredana Stanciu, "Digital Marketing and Analysis Techniques: Transforming Internet Usage", Chapter published in New Age Analytics: Transforming the Internet through Machine Learning, IOT and Trust Modelling, Apple Academic Press, Exclusive worldwide distribution by CRC Press (ISBN: 9781771888752), Taylor and Francis Group.
59	N.Hema., and Dawn, S., "Smart Sensors and Wearable Sensors: Smart Sensors used in Numerous Modern Applications and their Significance; Wearable Sensors", in Advances in Modern Sensors (Physics, Design, Simulation and Applications), IOP Publishers, Ch. 6.
60	Chandani, P., & Gupta, C. (2020). A Systematic Literature Review on Risk Assessment and Mitigation Approaches in Requirement Engineering. In Crowdsourcing and Probabilistic Decision-Making in Software Engineering: Emerging Research and Opportunities (pp. 51-80). IGI Global.
61	Gupta, C., Singhal, S., & Kumari, A. (2020). I-Way: A Cloud-Based Recommendation System for Software Requirement Reusability. In Crowdsourcing and Probabilistic Decision-Making in Software Engineering: Emerging Research and Opportunities (pp. 23-34). IGI Global.
62	Dabas C., Nigam G.K. (2020) Hybrid Method for Cluster Analysis of Big Data. In: Kalam A., Niazi K., Soni A., Siddiqui S., Mundra A. (eds) Intelligent Computing Techniques for Smart Energy Systems. Lecture Notes in Electrical Engineering, vol 607. Springer, Singapore
63	Gagandeep Kaur, Charu Gandhi, "Scalability in Blockchain: Challenges and Solutions", in Handbook of Research on Blockchain Technology, Vol. 1, pp. 373--406, Feb 2020
64	R. Krishnamurthi and P. Kaur, "Big Data Storage Systems for IoT – Perspectives and Challenges," in The Internet of Things and Big Data Analytics, Auerbach Publications, 2020, pp. 173–192.
65	R. Krishnamurthi and A. Kumar, "Modeling and Simulation for Industry 4.0,"A Roadmap to Industry 4.0: Smart Production, Sharp Business and Sustainable Development pp.127-141,2020.
66	T. Poongodi, R. Krishnamurthi, R. Indrakumari, P. Suresh, and B. Balusamy, "Wearable devices and IoT," in Intelligent Systems Reference Library, pp.245-273,2020.
67	Krishnamurthi, Rajalakshmi, and Dhanalekshmi G. "A Comprehensive Overview of IoT-Based Green Buildings: Issues, Challenges, and Opportunities." In Green Building Management and Smart Automation. edited by Arun Solanki , and Anand Nayyar, pp.111-127. Hershey, PA: IGI Global, 2020. http://doi:10.4018/978-1-5225-9754-4.ch005
68	Maheshwari R., Rajalakshmi K," A Comparative Study of Deployment Tools from IoT Perspective",in: Gao XZ., Tiwari S., Trivedi M., Mishra K. (eds) Advances in Computational Intelligence and Communication Technology. Advances in Intelligent Systems and Computing, Springer, Singapore, vol 1086,pp 293-306,2020.
69	Rani S., Rajpoot D.S. (2020) Parallel Solution to LIS Using Divide-and-Conquer Approach. In: Batra U., Roy N., Panda B. (eds) Data Science and Analytics. REDSET 2019. Communications in Computer and Information Science, vol 1229. Springer, Singapore

S. No.	Full Reference
70	Shakdher, A., & Pandey, K. "REDAlert+: Medical/Fire Emergency and Warning System using Android Devices", Improving the Safety and Efficiency of Emergency Services: Emerging Tools and Technologies for First Responders, pp. 19-37, In Management Association, I. (Ed.). IGI Global. http://doi:10.4018/978-1-7998-2535-7.ch002
71	Rathi M., Gupta A. (2021) Mobile-Based Prediction Framework for Disease Detection Using Hybrid Data Mining Approach. In: Bansal P., Tushir M., Balas V., Srivastava R. (eds) Proceedings of International Conference on Artificial Intelligence and Applications. Advances in Intelligent Systems and Computing, vol 1164. Springer, Singapore
72	A. Dixit, A. Nanda, "Brain Tumor Detection and Classification in MRI: Technique for Smart Healthcare Adaptation. Chapman and Hall/CRC, New York, 2019, ch. 8, pp. 125-135
73	Hema N, Suma Dawn, "Smart and wearable sensors used in numerous modern applications and their significance" in Advances in Modern Sensors Physics, Design, Simulation and Applications, Ganesh R Sinha (editor), Nov 2020, Pg No. 6-1 to 6-32, Institute of Physics Publishing, Hardback ISBN: 9780750327053, Ebook ISBN: 9780750327077, IOP Series in Sensors and Sensor Systems. doi:10.1088/978-0-7503-2707-7ch6
74	Shukla, Nitin, and Charu Gandhi. "Efficient Resource Discovery and Sharing Framework for Fog Computing in Healthcare 4.0." Fog Computing for Healthcare 4.0 Environments. Springer, Cham, 2020. 387-407.
75	Kaushik, S., & Gandhi, C. (2020). Security for the Cloud. In Cloud Computing Applications and Techniques for E-Commerce (pp. 68-83). IGI Global.
76	Goyal C., Aren V., Gupta S. (2020) Outlier Detection Using Trust Assessment Scheme in Wireless Sensor Networks. In: Nanda A., Chaurasia N. (eds) High Performance Vision Intelligence. Studies in Computational Intelligence, vol 913. Springer, Singapore. https://doi.org/10.1007/978-981-15-6844-2_5
77	Gupta R., Rana S., Gupta S., Pandey K., Dabas C. (2020) Comparative Analysis of Various Classifiers for Gesture Recognition. In: Kalam A., Niazi K., Soni A., Siddiqui S., Mundra A. (eds) Intelligent Computing Techniques for Smart Energy Systems. Lecture Notes in Electrical Engineering, vol 607. Springer, Singapore. https://doi.org/10.1007/978-981-15-0214-9_11
78	Dabas C., Nigam G.K. (2020) Hybrid Method for Cluster Analysis of Big Data. In: Kalam A., Niazi K., Soni A., Siddiqui S., Mundra A. (eds) Intelligent Computing Techniques for Smart Energy Systems. Lecture Notes in Electrical Engineering, vol 607. Springer, Singapore. https://doi.org/10.1007/978-981-15-0214-9_17

CENTRES

Learning Resource Centre (LIBRARY)

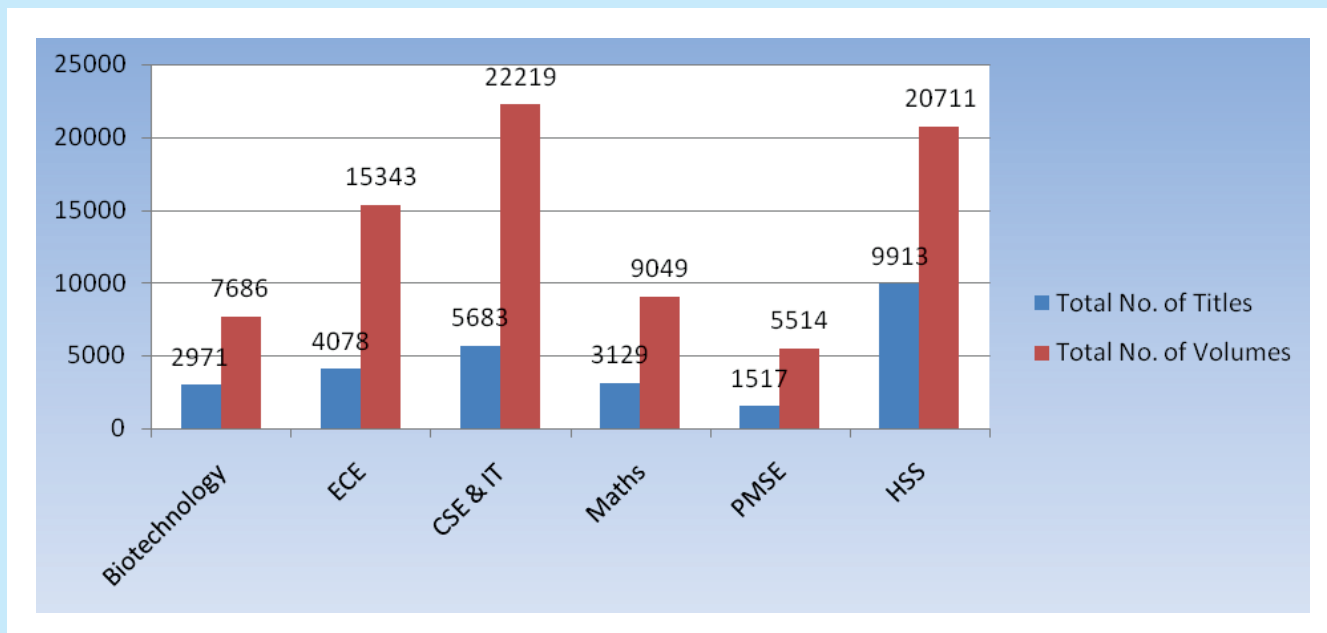


The Learning Resource Centre (LRC) at JIIT Noida is an excellent repository of learning resources. It can accommodate about 700+ users at a time. It has more than 80 computer nodes with high speed Internet & Intranet connectivity. It is fully integrated with the latest barcode technology and international standard open source library management software “KOHA”. Users can access bibliographic details of the LRC resources through OPAC anywhere, thus providing 24 hours access a day. The LRC consists of latest collection of textbooks as well as reference books, national as well as international peer reviewed journals, magazines and electronic resources on subject areas covered by the academic curricula of the Institute and other universal knowledge. LRC has also made provisions to subscribe full text science and technology on-line journals and other national and international journals in printed form. It is also an active member of Developing Library Network (DELNET) and provides inter-library loan services to its users. LRC has subscribed Anti-Plagiarism Software “Turnitin” to its users. The open access system has been adopted at all service points where users may browse and select material of their choice. LRC has implemented an anti-theft electromagnetic system at its main gate. It has undertaken two major projects for development of institutional repository for maintaining intellectual output of the institute i.e. LRC DRS and dynamic LRC website <https://www.jiit.ac.in/lrcjiit/>. LRC keeps itself updated Global practices with latest organizing book exhibitions/ conferences/ workshops from time to time.

Resources in LRC:

Following are the current resource collection in LRC JIIT 62 and LRC JIIT 128:-

(i) Books (as per Accession Register): 80522



S. No.	Department	Total No. of Titles (Approx.)	Total No. of Volumes (Approx.)
1	Biotechnology	2971	7686
2	Electronics & Communication	4078	15343
3	Computer Science & IT	5683	22219
4	Mathematics	3129	9049
5	Physics, Materials Science and Engineering	1517	5514
6	Humanities and Social Science	9913	20711
	Total	27291	80522

(ii) Electronics Resources

S. No.	Resources	No. of Resources
1	Journals and Transactions	58
2	Magazines	12
3	Proceedings	994
4	Newsletters	69
5	Oral History interview	10
	Total	1143

IEL Online/IEEE Xplore Digital Library

1	IEEE journals, transactions, magazines	233
2	IEEE conference proceedings	32922
3	IEEE published standards	4094
	Total	37249

Springer Nature

1	E-Journals	1728
3	Nature Biotechnology	01
4	Nature Materials	01
	Total	1730

American Physical Society (APS)

1	Journals	14
---	----------	----

American Institute of Physics (AIP)

1	Journals	28
---	----------	----

SIAM (Society for Industrial and Applied Mathematics)

1	Journals	17
---	----------	----

ABI/INFORM Complete

1	Full text Journals	5632
2	Indian Journals	42
3	Full-Text Newspapers	40
4	Country Reports	220000
5	Country Daily Briefs	40000
6	Country Briefs	2000
7	Country Profiles	70
8	Dissertations & Theses	45600
9	Business Cases	19800
10	Market Research	4800
11	Conference Proceedings	1000
12	Annual Reports	7200
13	SWOT Analysis	1900
14	World Commodity Reports	40
15	Country Finance Reports	20
16	Country Forecast Reports	40
17	ABI/INFORM Archive	141
18	SSRN working papers	16400
	Total	364725

1	ACE EQUITY DATABASE	1 (One)
---	---------------------	---------

E-BOOKS

1	John Wiley & Sons	50
2	SIAM (Society for Industrial and Applied Mathematics)	377
3.	Pearson	204
4.	Springer Nature	1465
5.	Springer Lecture Notes in Computer Science/ E-Books	11,346
6	PHI	38
	Total	13,480

DELNET (Developing Library Network)

DELNET is the network of more than two thousand libraries worldwide. Main and major purpose of this network is to share resources among member libraries. LRC JIIT is the member of DELNET and facilitates Inter Library Loan to research scholars and faculty members.

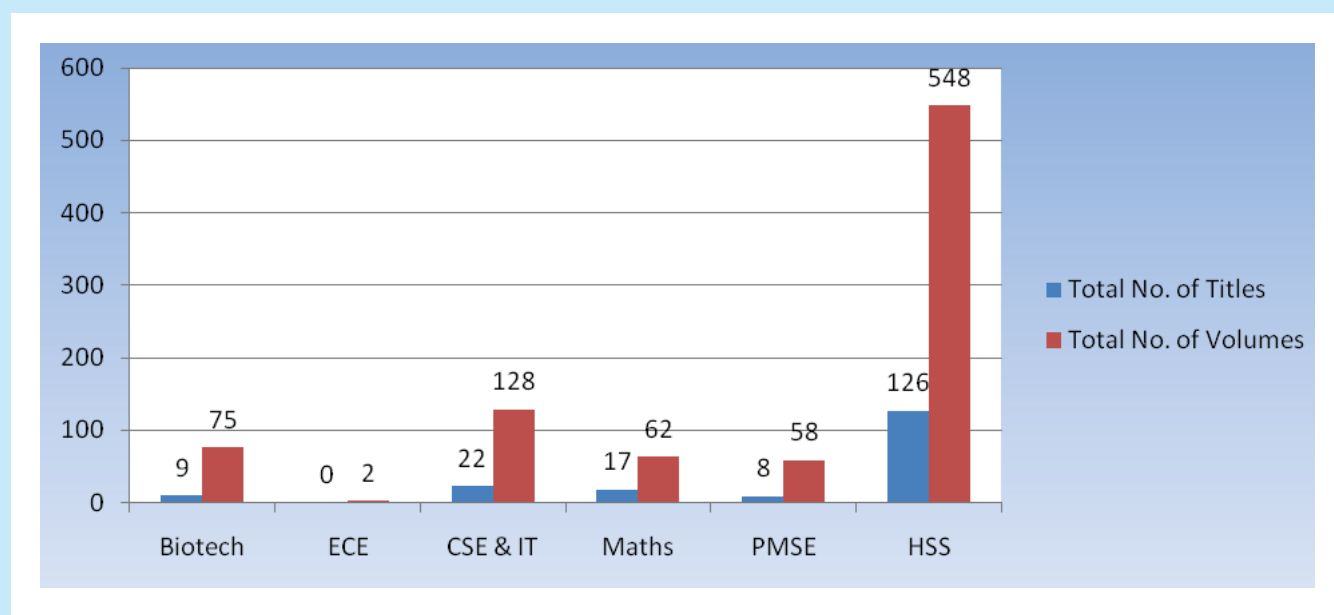
CDs/DVDs

There are about 7322 Approx. CDs / DVDs are available in Learning Resource Centre for users.

- (iii) Print Magazines/Journals – 71 (JIIT Sector 62)
 - International : 5
 - National : 66
- (iv) Print Magazines/Journals - 10 (Sector 128 Campus)
 - National : 10
- (v) Newspapers - 42
- (vi) Newspapers - 25 (Sector 128 Campus)

Resources Added during the year 2020- 2021

(i) Books (as per Accession Register): 873



Department Wise

S. No.	Department	Total No. of Titles (Approx.)	Total No. of Volumes (Approx.)
1	Biotechnology	9	75
2	Electronics & Communication	0	2
3	Computer Science & Information Technology	22	128
4	Mathematics	17	62
5	Physics, Materials Science and Engineering	8	58
6	Humanities and Social Science	126	548
	Total	182	873

IT INFRASTRUCTURE CENTRE

JiIT is one of the few Indian universities, which can boast of its state-of-the-art computing resources and network across the campus.

JiIT has Central IT Infrastructure Center for IT support. The main objectives of the dedicated Server Room (IT Infrastructure Center) are to provide easily accessible and excellent computational facilities, support to all members of JiIT on all aspects of academic, research and recreational requirements, to implement and maintain IT Infrastructure and application software, to impart introductory and advanced instructions to users, generate trained manpower to maintain IT Infrastructure (Servers, Desktops, Data Security, University Network), to provide support to Institute computerization efforts, to do in house research & development, and to serve a user population of more than 4600 users consisting of undergraduate, postgraduate, research scholars, faculty and staff of the University.

In addition, it also owns the responsibility to develop and implement application software for various needs of University like finance, payroll, results, MIS reports and electronic attendance system etc.

General Computing Facilities.

Dedicated and secured Data centre. The Server Room is equipped with Intel Nehalem Quad-Core Servers for high performance windows 2008R2/2012/2016 Computing Server, Intel Xeon servers with multiple processors, High end Intel Pentium servers with multiple processors, various engineering and technical computing software's, network management tools, Client/Server Database computing System connected over a switched fast Ethernet with Optical Fiber backbone. All computers are a part of Windows Domain Controller with support of additional domain controllers. For our printing needs we have 104 HP printers which includes Heavy Duty Network Laser Printers, Desktop Printers and Multi function Printers. Central Antivirus server provides security for entire network.

Hardware Configurations (Servers and Desktops).

Servers:

Sr. No.	Location	Server Configuration	Qty.
1	JIIT Sector 62	Dual Zion Processor 3.0 ghz	3
		Processor XEON 2.8 GHz	5
		Dual core Xeon 5120 2.0 ghz	1
		Dual Zion Processor 3.0 ghz	4
		Intel XEON Pro, E5520 2.26 GHZ 8MB L2 Cache	5
		Intel Xeon Quad Core E5620 2.4 ghz	1
		Intel Xeon QUAD CORE ,E3 1220 3.10GHZ	2
		Intel Xeon 2.27 GHZ, 8 MB CACHE	2
		Intel Xeon Processor E3 1220, 3.1 Ghz	2
		INTEL XEON,CORE 8 E5-2650	2
		2X Intel XEON 8C E5 Octa Core 2630 V3, 2.5Ghz	1
		Intel Xeon E5-1620w V3 Processor, 3.50Ghz	1
		2*Intel Xeon E5-2620 V4, 2.10ghz	3
		2*Intel Xeon Silver 4114 10C85W, 2.2ghz	3
		HPE DL380 Gen10 4214 1P 16G 12LFF Svr	3
		Sophse XG 550 Firewall	2
HP DL20E 2236	2		

Sr. No.	Location	Server Configuration	Qty.
2	JiIT Sector 128	2* Intel Xeon Silver 4114 10C85W, SR530	3
		Intel Xeon Quad Core 3.1Ghz, X3100-M4	3
		Intel Xeon Quad Core 2.13Ghz, X3400-M3	2
		Intel Xeon Quad Core 2.27Ghz, X3400-M2	2
		Intel Xeon 3.1Ghz, ML-110 G7	1
		Cyberoam 500ing-XP Firewall	2
		Total	55

Desktops/Laptop:

Sr. No.	Location	Model	Desktop Configuration	Qty.
1	JiIT Sector 62	HP D220	Celeron 2.0GHz, HDD 40Gb, RAM: 256/512MB, MOUSE, KEYBOARD,15" monitor	4
		HP-Dc 7100	Intel Pentium 4 3.00Ghz, 512 MB RAM, 80GB HDD, CDROM	1
		HP DX-6120MT	Intel Pentium 4 - 3.00GHz, 512Mb -RAM, 80GB SATA HDD	11
		ThinkCenter-8326	Intel P-4 3.06 Ghz, 512 Mb -RAM, 80GB HDD MB RAM	4
		Lenovo-8985-B85	Intel Dual Core 1.8 GHz, 1GB RAM, 160GB SATA HDD, CDRom	19
		Lenovo-6075E8Q	Intel Core2 Duo 2.4 GHz, 1GB RAM, 160GB SATA HDD, CDRom	49
		HP DX-2480	Intel Core 2 Duo 2.4 GHz, 1GB RAM, 160GB SATA HDD, CDRom	51
		LENOVO 7413-A81	Intel Core 2 Duo 3.0 GHZ, 2GB RAM, 160 GB SATA HDD, DVDRom	32
		Lenovo-5474-RS7	Intel Core I3-530 Pro 2.93GHz, 2GB RAM, 250GB SATA HDD, DVD Rom	145
		HP-DX 7380		2
		HP 6200 MT PRO	Intel Core I3 3.10 GHZ, 2GB RAM, 500GB SATA HDD, DVD Rom	72
		HP 280 G1-60	Intel Core I5 3.0 GHZ ,4GB RAM, 500GB SATA HDD	60
		HP 280 G1-75	Intel Core I5 3.0 GHZ ,4GB RAM, 500GB SATA HDD	75
		P310-P500 AR Lab		6
		Lenovo S510	Intel Core i5 3.0 GHZ, 8GB RAM, 500GB SATA HDD	60
		Lenovo P310	Intel Xeon E3-1225 3.3 Ghz, 8GB RAM, 1TB SATA HDD	15
		Lenovo S510	IntelCoreI5,8GBDDR4,1TB/7200,Windows 17	31
		HP 280 G2 MT	Intel Core I5@6500 3.2 GHZ,8 GB DDR4, 1TB/7200, NVIDIA GeForce,DVDRW, Windows 10	155

Sr. No.	Location	Model	Desktop Configuration	Qty.
		Dell Vostro-3669	Intel Core I5@7400 3.5 GHZ,8 GB DDR4, 1TB/7200, AMD Radeon,DVDRW, Windows 10	200
		HP 280 G3	Intel Core I7@7700 3.6 GHZ,8 GB DDR4, 1TB/7200, NVIDIA GeForce,Windows 10,5YW	150
		Lenovo P330	Intel Core I7@8700 3.2 GHZ,16 GB DDR4, 1TB/7200, 2GB NVIDIA,Windows 10,5YW	250
		Dell- Precision T5820	XEON W2123,16 GB DDR4, 1TB,NVIDIA GE-Force,Windows 10Pro,3YW	3
		Lenovo P330	Intel Core I7@8700 3.2 GHZ,16 GB DDR4, 1TB/7200, 2GB NVIDIA,Windows 10,5YW	300
		Dell Optiplex 5080	Core i7/16GB RAM/1 TB/Win 10	100
			Laptop	25
2	JiIT Sector 128	7413-A81	Lenovo Desktop, Thinkcentre M58 E, Intel Core 2 duo processor E8400(3.0 Ghz, 6Mb L3 cache, 1333Mhz FSB), Intel G41 Chipset motherboard, RAM-2GB DDR II, HDD 160GB SATA, 16X DVD ROM Drive, Onboard 10/100/1000 Ethernet Adapter, USB KBD & Optical Mouse, Win XP Professional	110
		M5474-S7	Lenovo Thinkcentre M90, Core i3-530, Processor,(2.93 Ghz, 4MB Cache) Intel Chipset Q57 Motherboard, 2GB DDR-III RAM, 250GB SATA HDD, DVD- ROM Drive, Ethernet on Board, KBD, Optical Mouse & MSWIN7PRO	90
		HP 6200PRO	HP Compaq 6200 Pro MT PC , Intel Core i3 2100 Processor(3.10Ghz, 3MB Cache), Q65 Express Chipset, 2GB DDR III 1.3Ghz RAM, 500GB-HDD 7200RPM, 16X DVDROM Drive, Ethernet on Board, HP USB KBD, Optical Mouse, MSWIN7PRO	120
		MT-M5048-C93	Intel core i3-2120 Processor (3.30 Ghz, 3MB internal cache), Intel Q65 Express, RAM 4GB DDR III, HDD 500Gb SATA, DVD ROM Drive, USB KBD & Optical Mouse, Win & professional	140
		MT-M3597-3M5	Lenovo Desktop, M-72, Intel core i3-3220 Processor (3.3 Ghz, 3MB L3 Cache), Intel chipset H61 motherboard, Ram-4GB DDR III, HDD-500GB SATA, DVD ROM, 10/100/1000 Builtin Ethernet Adapter, Usb KBD & Mouse, Win 7 Professional 64 Bit	100

Sr. No.	Location	Model	Desktop Configuration	Qty.
		HP-280-G1	HP 280G1 MT Desktop/Intel Core i5@4590s 4th Gen@3.0 GHZ/4GB RAM DDR3/ 500GB HDD/ USB Mouse, Keyboard with Win 8.1 Pro DG to Win 7 Pro OS, 3-3-3 Warranty Only, HP 21.5 " TFT LED	20
		Dell Vostro 3650MT	6th Generation Intel® Core™ i7-6700 3.4 Ghz Processor, 1 8GB Single Channel DDR3L 1600 Mhz (8GBx1), 1 TB SATA HDD 7200 rpm I DVD W/R , 2GB GDDR5, 1 Windows 8.1 64 Bit	8
		Lenovo PC310	Lenovo PC310,Intel Xeon E3-1225,*MB Cache, upto 3.3 Ghz, 8GB DDR4 2133Mhz Ram UDIMM, Windows 7 Pro 64, 1TB HDD 7200RPM 3.5 SATA, Nvidia Quadro K420 2GB(DVI+DP) 3Yr Warranty	3
		HP 280 G3 MT	HP 280 G3 MT, Processor Intel core i7-7700(QC/8MB/8T/3.6Ghz/65W), RAM: 8GB 1x8GB 2400 Mhz DDR4, HDD: 1TB 7.2K RPM SATA 6Gbps, NVIDIA Gef GT730-2GB HDMI,Univ Audio,19.5" HP TFT,	50
		Lenovo P-330MT	Lenovo Think Station Tower i7-8700, 3.2GB 6C/C246 210W 85%, 16GB DDR4 2666Non-ECC UDIMM, 1TB HDD 7200 RPM 3.5 SATA 3, 2GB Graphic Card, Windows 10 Prof. 5Yr Warranty, TFT 19.5"	350
		Dell Precision T5820	Xeon W2123 Processor,16GB RAMDDR-IV, 1TB HDD, DVDRW, Win10Pro., NVIDIA Graphics (RTX2080TI), 19.5" TFT, 3Yr Warranty	2
			Laptop	2
			Total	2815

Engineering, Technical Computing and General Use Software's.

Software Name	Software Name	Software Name
3-DMax	LabView	PSPICE
Ace Equity	LANTanner	RationalRose
Adobe Software Suite	LotusDomino	SAP
ADS	Macromedia Software Suite	SigmaPlot
Animo	Mathematica	Softlink Liberty
BorlandC++	Matlab	SPSS
Gaussion	Memspro	Sophos Endpoint Protection
HEP-I	MSOffice	Virtuoso (Cadense VLSI UG Bundle)
Illustratorpe	MSPProject	VisualStudioNET
Jboss	Oracle11g	Xilinx
KEIL	Photoshop Pe	Synopsys
Adobe Acrobat DC	Corel-2019	G Suite

Database Service.

The Server Room has a Client/ Server Database Computing System- Oracle 11g with Developer 2000 version 6.0. At the front end, the platform is Windows XP/Widnows7/Windows 8.1/Windows 10 and at the back end, Intel Xeon based Red Hat Enterprise Linux.

Network Services.

The whole campus is interconnected through a highly secured Virtual Private Network, where over 3000 PCs are connected to the internet through Internet Leased link connections whilst 36 hi-end servers power the network for 100% redundancy and efficient data management. Completely automated High end Biometric systems for attendance of faculty and staff. Eight biometric reader machines have been installed in different academic blocks for capturing the attendance of the faculty and staff. 58 bullet cameras, 194 dome cameras, 04 CS Mount camera, 22 DVRs to monitor the various buildings including Academic areas, Faculty residence, Hostels and grounds.

The institute Local Area Network (LAN) is a state of the art switched network with Fiber Optics Backbone and enhanced CAT6/CAT6a UTP for providing seamless connectivity. It consists of more than 8000 network access points spread using 109 Cisco Switches, 4 Routers, 288 Wireless access points and 28 VLANs to provide the needed scalability, security and traffic control. The network access is provided to every room in student’s hostel, faculty & staff residence, doctors at JIIT Hospital, cafeteria & mess (Annapurna), laboratories and rooms in guest houses.

JIIT Campus has an excellent Internet connectivity, provided through a router, Cyberoam firewall. We have 1.10 Gbps (1:1) leased circuit from BSNL NKN (1 Gbps) and AIRTEL (10Mbps) on OFC. Apart from Internet and Intranet many more services including mail, web, library book search, domain name, anti virus and software upgrades are being provided over this network.

JIIT has SOPHOS XG-550 and Cyberoam 500i in HA mode installed for ISPs load balancing, fail over and Malware/ Spyware / Spam detection, content filtering and anti-virus protection at the gateway level. Lotus Domino is being used by JIIT for its official mailing services.

Apart from above all Lecture Theaters and major class rooms are equipped with Projection System

New Additions:(Sector-62)

- Desktop Systems : Lenovo Thinkstation P330 -300 Nos.
- Server : HP DL380 Gen10 Storage -3 Nos.
- Laptop : HP Probook 440G6 -2 Nos.
HP Probook 440G5 -1 Nos.
- Printers Desktop : HP 1020+ -2 Nos.
HP M1005 -1 Nos.
HP Deskjet2676 -1 Nos.

New Additions :(Sector-128)

- Desktop Systems : Lenovo-Intel core I7@8700 3.2GHZ -200 Nos.
- Printers Network : LaserJet M712DN -3 Nos.
- 48 Port Cisco Switch : WS-C-3850-48T-L -2 Nos.
- Projectors : PA503X -7 Nos.

ONGOING PROJECTS

SL NO.	PROJECT CODE	GRANTING AGENCY	PI	DEPTT	TENURE	PERIOD	DoS	DoE	COST
1	41433	DST - Inspire Fellowship	Ms. Monika	PHD BIO	5	2016-2021	01.07.2016	30.06.2021	11,41,991
2	41349	DST - Inspire Fellowship	Shivani Singhal	PHD BIO	5	2019-2024	31.07.2019	30.07.2024	9,37,159
3	41359	DBT Project	Rishibha Gupta	PHD BIO	5	2019-2024	16.07.2019	15.07.2024	5,94,311
4	41351	DST Project	Dr. Anirban Pathak	PMSE 62	3	2019-2022	24.04.2019	23.04.2022	2,22,16,000
5	41363	DST Project	Dr Hemant Kumar	ECE 128	2	2020-2022	23.12.2020	22.12.2022	30,36,770
6	41365	DST Project	Dr Ashwani Mathur	BIOTECH	2	2020-2022	11.02.2020	10.02.2022	12,60,000
7	40438	Ayush	Dr. Pammi Gauba	BIOTECH	3	2017-2020	27.12.2017	26.12.2021	41,06,920
8	41360	ICMR	Dr. Shweta Dang	BIOTECH	3	2020-2023	01.08.2020	31.07.2023	26,68,118
9	41356	MOEF - BSI	Dr. Pammi Gauba	BIOTECH	3	2019-2022	27.11.2019	26.11.2022	48,44,196
10	41357	CST, UP	Dr. Garima Mathur	BIOTECH	2	2019-2021	16.11.2019	15.11.2021	6,80,000
11	41358	DRDO Project	Dr. Anirban Pathak	PMSE 62	3	2020-2023	15.01.2020	14.01.2023	40,90,200
12	41361	University of Nebraska (Omaha)	Dr. Anirban Pathak	PMSE 62	1	2020-2021	12.10.2020	11.10.2021	11958 USD
13	41444	DST-II Project	Dr. Vibha Rani	BIOTECH	3	2018-2021	21.06.2018	12.12.2021	36,93,800

INTERNATIONAL LINKAGES

The Institute has developed collaboration with the following foreign educational Institutes to enhance academic development and promote research:

Collaborating University/Organization	Salient Features
The University of Malta	To enhance better relations & exchange of expertise to boost academic development for the general interest of students & staff.
Zimbabwe Open University, Zimbabwe	The institutions recognize the mutual interests in the fields of research, development, quality assurance, and education, transfer of skills & dissemination of knowledge & promotion of international collaboration.
University of Florida, Gainesville, USA	<ul style="list-style-type: none"> • To enhance the academic interchange between the two institutions, the parties desire to promote exchange between the faculty and students as well as the exchange of academic and research information. • Specific projects in an area of educational interest will be selected as a result of coordination between University of Florida and Jaypee. • University of Florida has launched a 8th Semester programme for students of Jaypee Group of Universities- Under this 8th semester students will be selected to spend one semester at University of Florida to earn a Senior Certificate in Computer Science and Engineering. Successful completion of this Certificate requires students to complete a minimum of 12 credits of approved courses at University of Florida with a grade of C or better on each course. • University of Florida is offering engineering professionals located in India, the opportunity to earn a Master of Science Degree through Electronic Delivery of Graduate Engineer program (“EDGE Program”) at JIIT in subject areas- Civil and Coastal Engineering, Computer & Information Science Engineering, Electrical & Computer Engineering, Environmental Engineering Sciences, Materials Science & Engineering and Mechanical & Aerospace Engineering.

ACADEMIC ADMINISTRATION

Admission Process

➤ UG Program:

The admissions in the academic session 2020-2021 were carried out through a counseling process conducted by the Institute in two modes, based on merit drawn on All India JEE (Main) Ranking 2021 and merit drawn on basis of 10+2 marks.

➤ PG Program:

The admission for M. Tech programs was based on Post Graduate Entrance Test conducted by the Institute /GATE score for eligible candidates.

The admission to MBA program was based on CAT/MAT/XAT/CMAT/GMAT/ATMA score followed by Written Communication Skill Test and Group Discussion/ Interviews.

➤ PhD:

The selection was done through written test and interview of short listed scholars, based on their qualifications and credentials. Candidates who had qualified UGC-CSIR/NET exams were exempted from the written test.

➤ The admission status (as on 31 Dec 2020) in B.Tech, Intgt-M.Tech, M.Tech, M.Sc, MBA, BBA & PhD programs for academic year 2020-21 is as follows:

Program	Branch	Approved Intake	Admitted
BTech	Biotechnology	60	57
	CSE (Sec-62)	300	285
	CSE (Sec-128)	240	211
	ECE (Sec-62)	240	164
	ECE (Sec-128)	240	125
	Information Technology	60	56
Intgt Mtech	Biotechnology	30	10
	CSE	30	25
	ECE	30	14
	Sub Total	1230	947
MTech	Biotechnology	30	08
	CSE	30	03
	CSE-AI&ML	30	0
	CSE-IT&E	30	0
	CSE-IoT	30	0
	CSE-Data Analytics	30	07
	ECE-WC	18	0
	ECE-MS&IoT	18	0
	ECE-ML&SP	18	03
	Sub Total	234	21
MSc	M.Sc-Physics	30	01

Program	Branch	Approved Intake	Admitted
	M.Sc-Mathematics	10	04
	M.Sc-Microbiology	10	21
	M.Sc-Environmental Biotech	10	0
	Sub Total	150	26
MBA	MBA	120	55
BBA	BBA	180	153
	Sub Total	300	208
PHD	PHD	-	79
LATERAL	BTECH PROGRAM	-	32
NRI	BTECH PROGRAM	-	10
FOREIGN	MBA (2), BBA (1)	-	03

Fee Structure for Various Programs for Academic Year 2020-21

As per the UGC guidelines there has been no increase in the tuition fees for the current academic year for new admissions. In addition in view of the COVID-19 pandemic, the JIIT management has provided 50% reduction in Development Fee as a special COVID Relief Package for the academic year 2020-21.

The Fee Structure for all programs for admissions for Academic Year 2020-21 is as follows:

B.TECH & INTEGRATED M.TECH (NON-NRI CATEGORY) – ADMISSIONS 2020-21

Fee Head	1st Year	2nd Year	3rd Year	4th year	5th Year (For Integrated Program)
T.F	168000	176500	185500	194500	204500
D.F	30000	60000	70000	80000	80000
Total	198000	236500	255500	274500	284500

FEE FOR OTHER PROGRAMS, ADMISSIONS 2020-21- ADMISSIONS 2020-21

Fee Head (Per Annum)	B.B.A.	M.B.A.	M.Sc.	M.Tech.	B.Tech & Integrated M.Tech (NRI Category)
T.F	120000	320000	60000	120000	USD 5300
D.F	15000	40000	-	-	USD 1350
Total	135000	360000	60000	120000	USD 6650

Hostel Charges including Food and Laundry.

Rs. 74,400/- per semester. (No hostel charges have been paid by the students at the time of admission. The students desirous of a hostel seat will be considered for allotment as per availability of vacant seats. The seats will be allotted in order of merit. Request for hostel have been received. The instructions for hostel occupation and payment of hostel charges will be communicated to the students to whom the hostel seat is allotted as per the orders/ directions of Central/ State Govt.

Caution Money of Rs. 10000/-, which is a onetime charge, is refundable after completion of program.

Faculty

➤ The Unique feature of the Institute is the high quality of faculty on its rolls. The list of the Faculty along with qualification is as per **Appendix-D**.

➤ **Visiting /Guest Faculty**

Eminent Academicians and eminent industry persons are associated with JIIT as visiting faculty for conduct of specialised classes. Currently there are 6 guest faculty members with the University. In addition specialists' faculty of institutes of Jaypee Education System in respective fields also visit JIIT.

Scholarships

- **Prof William C Webster Merit & Means Scholarship:** Jaiprakash Sewa Sansthan has set up an initial corpus of Rs. 20 lacs for the Prof William Webster Merit Cum-Means scholarship. The scholarship is provided to meritorious students with economically weak condition who are admitted to JIIT. Eligible students are granted tuition fee waiver of one semester in a academic year. The scheme has been operational since the year 2004-05.
- **Admission To Meritorious Students:** The JIIT Management has approved that students who take admission in the first year of the 4-year UG program, with an All India Rank of less than 1000 in the JEE (Main) conducted by CBSE, shall be provided free education for the entire duration of under graduate program.

JIIT YOUTH CLUB (JYC)

JYC Activities at Sector-62 Campus

Kalakriti Hub:

Faculty Coordinator: Dr. Swati Sharma

Type of the Hub: Non-Technical

Kalakriti is the art hub of JIIT-62. Apart from drawing, painting and sketching, the hub also promotes conventional, floral and junk rangoli, best out of waste, digital creative and evensand art. During the online semester, Kalakriti has been active on its social media pages and has organised an online art contest

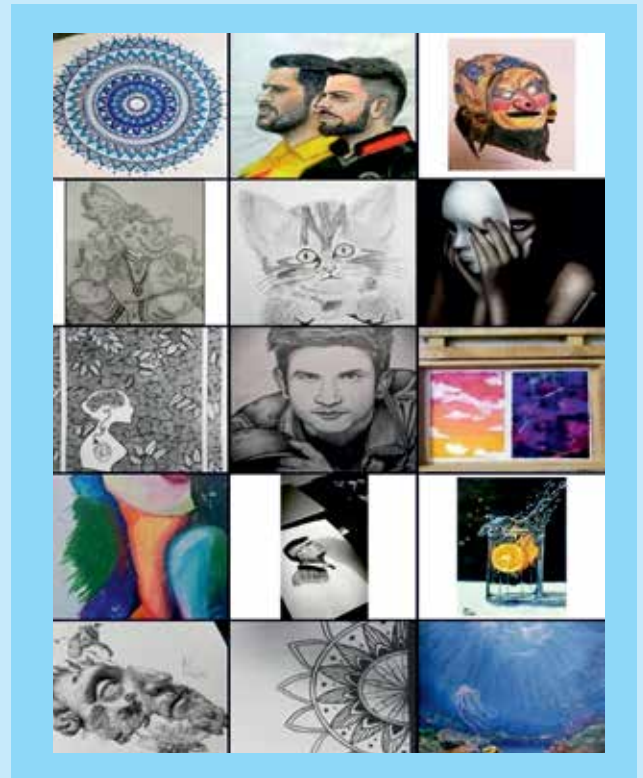
Events Organised

1. Meraki

Meraki was an art competition consisting of 4 categories, painting, sketching, mandala and digital art. It was conducted online due to covid pandemic. Participants were asked to send their art work in any of the 4 categories. Winners were decided on the basis of the number of likes and comments on their post.

1.	Awareness/Training/Programmes organized by the Department/ External Agencies:	JYC
2.	Program Type: (fill the details from the given list)	Creativity
3.	Name of Program/Event:	Meraki
4.	Organizing Agency:	Jaypee Institute of Information Technology Noida
5.	Organized at:	Online due to covid
6.	Name of the Organizer:	Kalakriti
7.	Level of Event: (National/International)	National
8.	Program Start Date:	11/10/2020
9.	Program End Date:	17/10/2020
10.	Program Duration (in days):	07 Days
11.	Program Conducted: (Within Campus or Outside Campus)	Online
12.	No. of internal faculties:	1
13.	No. of internal students:	4
14.	Total no. of internal participants:	37
15.	No. of external participants: (Students/ Industry/ Any Other: Mention the details)	Students = 84
16.	Total no. of external participants:	84
17.	Total no. of participants:	121
18.	No. of students won the prizes (if any then provide the details in summary sheet)	4 1st prize in Painting: Pavini Jain 1st prize in Sketching : Kanika Sharma 1st prize in Mandala Art : Mansi Jain 1st prize in Digital Art: Swasti Kashyap
19.	Financial support provided by the Institute:	NA
20.	Financial support provided by Govt. Agency:(Provide the name of the agency)	NA
21.	Financial support provided by other than Govt. Agency:(Provide the name of the agency)	NA

22.	Total expenditure incurred: (Verify the financial details with finance department)	NA
23.	Program Theme: Art Competition consisting of 4 categories, painting, sketching, mandala and digital art. (fill the details from the given list)	





2. Retrato

1.	Awareness/Training/Programmes organized by the Department/ External Agencies:	JYC
2.	Program Type: (fill the details from the given list)	Creativity
3.	Name of Program/Event:	Retrato
4.	Organizing Agency:	Jaypee Institute of Information Technology Noida
5.	Organized at:	Online due to covid
6.	Name of the Organizer:	Kalakriti
7.	Level of Event: (National/International)	National
8.	Program Start Date:	18/01/2021
9.	Program End Date:	27/01/2021
10.	Program Duration (in days):	09 Days
11.	Program Conducted: (Within Campus or Outside Campus)	Online
12.	No. of internal faculties:	1
13.	No. of internal students:	39
14.	Total no. of internal participants:	20
15.	No. of external participants: (Students/ Industry/ Any Other: Mention the details)	Students =10
16.	Total no. of external participants:	10
17.	Total no. of participants:	30
18.	No. of students won the prizes (if any then provide the details in summary sheet)	5 1st: Rahul Malik 2nd: Shivam Singh 3rd: Aditya Veer Singh Consolation: Shreyan Mukherjee, Gaurav Shukla
19.	Financial support provided by the Institute:	NA
20.	Financial support provided by Govt. Agency:(Provide the name of the agency)	NA

21.	Financial support provided by other than Govt. Agency:(Provide the name of the agency)	NA
22.	Total expenditure incurred: (Verify the financial details with finance department)	NA
23.	Program Theme: Portrait (fill the details from the given list)	



Hub: It's Our Earth

Hub Coordinator: Dr. Swati Sharma

Type of the Hub: Non-Technical

The young JIItians under this student hub commit themselves to developing and maintaining an environment that fosters student empowerment for social and environmental development. For past two years the students have been organizing events like Tree Plantation, Say No to Drugs, Donation camps for the underprivileged, etc.

Events Organised

1. Hopping Sparrow Film Festival

1.	Awareness/ Training/ Programmes organized by the Department/ External Agencies:	JYC/NSS/UBA
2.	Program Type: (fill the details from the given list)	AWARENESS PROGRAM
3.	Name of Program/Event:	HOPPING SPARROW FILM FESTIVAL
4.	Organizing Agency:	PUBLIC SERVICE BROADCASTING TRUST & CINEKALA
5.	Organized at:	ONLINE EVENT
6.	Name of the Organizer:	CINEKALA, NSS JIIT128, ITS OUR EARTH
7.	Level of Event: (National/International)	National
8.	Program Start Date:	01/09/2020
9.	Program End Date:	6/09/2020
10.	Program Duration (in days):	1
11.	Program Conducted: (Within Campus or Outside Campus)	Online
12.	No. of internal faculties:	2
13.	No. of internal students:	20
14.	Total no. of internal participants:	50
15.	No. of external participants: (Students/ Industry/ Any Other: Mention the details)	7
16.	Total no. of external participants:	70
17.	Total no. of participants:	120
18.	No. of students won the prizes (if any then provide the details in summary sheet)	3
18.	Financial support provided by the Institute:	NA
19.	Financial support provided by Govt. Agency:(Provide the name of the agency)	NA
20.	Financial support provided by other than Govt. Agency:(Provide the name of the agency)	NA
21.	Total expenditure incurred: (Verify the financial details with finance department)	
22.	Program Theme: KNOWLEDGE ENHANCEMENT (fill the details from the given list)	
23.	Complete details of the event: (Attach a summary sheet)	

IT'S OUR EARTH & CINEKALA
JIIT HOSTS

HOPPING SPARROWS FILM FESTIVAL

Theme of the films: Ecology, Wildlife conservation and Sustainable lifestyles

6th September, 2020 (Sunday)
4 PM Onwards
On Google Meet

Screenings:
Team Marine
Olivia's Birds & The Oil Spill
The Firefox Guardian
Saving The Wild
The Pangti Story

@earthitsour @hoppingsparrowsfest
@cinekala_ FFHoppingSparrowsfest

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY
MUIDA

HOPPING SPARROWS FILM FESTIVAL

SEPTEMBER 6, 2020 4PM ONWARDS

TEAM MARINE
-LYNE CHERRY
HIGH SCHOOL STUDENTS IN THE CITY OF SANTA MONICA, USA WERE CONCERNED ABOUT THE EFFECTS OF PLASTIC WASTE ON LIFE IN THE OCEAN. THEY LAUNCHED A CAMPAIGN TO GET PLASTIC WASTE BANNED IN THEIR CITY.

OLIVIA'S BIRDS & THE OIL SPILL
-SPRUE CHERRY
OLIVIA LOVES HER NEW YORK FOREST AND THE SOUTHERN OILY CRUST WHOSE HER UNAPPRECIATED LOVE. WHEN THE OIL SPILL REAKTATES THE OCEAN, OLIVIA CREATES AN FANTASY OF HER PENTHOUSE FORMER TO MAKE FAMES FOR HERBERRY'S AND BECOME. SHE GETS RECOGNIZED BY THE PRESIDENT OF THE USA AND GLOBAL MEDIA WHILE BECOMING MILLIONS OF DOLLARS.

THE FIREFOX GUARDIAN
-GENIAN BEWEN
THE POPULATION OF RED PARASIS IS DECREASING ALARMINGLY AND A WOMAN HAS RESEARCHED HER BEFORE LOVE TO SAVE THE REMAINING STAG OF THEM. THIS IS THE STORY OF A SIMPLE AND GRACE VILLAGER GIRL, WHO BECAME THE FIRST FEMALE FOREST GUARDIAN OF THE ENDANGERED RED PARASIS IN THE BARRIS BARRETS OF NIPAL.

SAVING THE WILD
-AUDA BARRIS
IT IS AN INCIDENT INTO THE WORK OF CENTER FOR WILDLIFE REHABILITATION AND CONSERVATION SERVICES THAT HAS BEEN INVOLVED IN RESCUE, TREATMENT AND RELEASE OF WILD ANIMALS SINCE 2002. SET IN RAJGHANAN NATIONAL PARK OF ASSAM, ONE OF THE PRIME WILDLIFE HABITATS OF INDIA, CENTER TAKES CARE OF WILDLIFE, ELEPHANTS, BEARS, DEERS, BIRDS, ETC THAT HAVE BEEN INVOLVED DUE TO HUMAN ANIMAL CONFLICT, ROADWAY TRAFFIC, OR DESTROYED HABITAT.

THE PANGTI STORY
-GENIAN BEWEN
PANGTI, A SMALL VILLAGES IN NAGALAND, BECAME THE LARGEST ANIMAL CONSERVATION OF THE WILDLIFE AND FAUNA BIRDS WHICH WERE BEING WASTED FOR LIVELIHOOD. THIS MOVIE SHOWS HOW A VILLAGER CHANGED THEIR ENTIRE FOOD HABITS, ECONOMY, CULTURE, AND LIVELIHOODS TO BECOME CONSERVATIONISTS FROM ANIMALS.

IT'S OUR EARTH AND CINEKALA
JIIT HOSTS

HOPPING SPARROWS FILM FESTIVAL

THEME - EACH ONE, PROTECT ONE

SEPTEMBER 6, 4 PM ONWARDS
JOIN US LIVE ON GOOGLE MEET

@earthitsour @hoppingsparrowsfest
@cinekala_ FFHoppingSparrowsfest

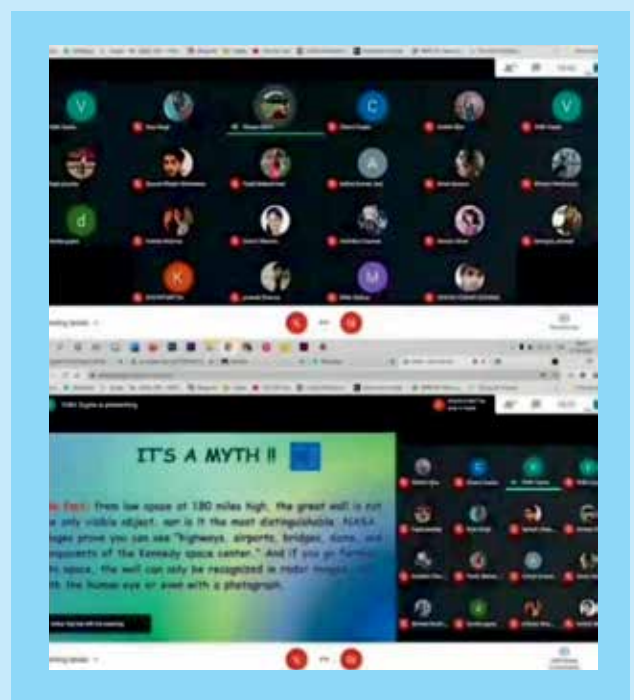
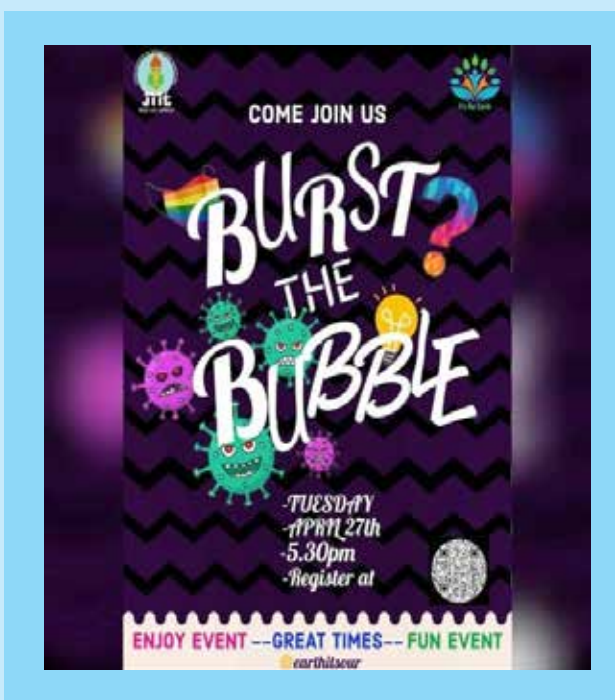
2. A Day with Bose

1.	Program Type: (fill the details from the given list)	COMPETITION
2.	Name of Program/Event:	A DAY WITH BOSE
3.	Organizing Agency:	ITS OUR EARTH
4.	Organized at:	ONLINE EVENT
5.	Name of the Organizer:	ITS OUR EARTH
6.	Level of Event: (National/International)	National
7.	Program Start Date:	2/05/2021
8.	Program End Date:	4/05/2021
09.	Program Duration (in days):	1
10.	Program Conducted: (Within Campus or Outside Campus)	Outside campus(Online)
11.	No. of internal faculties:	1
12.	No. of internal students:	15
13.	Total no. of internal participants:	35
14.	No. of external participants: (Students/ Industry/ Any Other: Mention the details)	18
15.	Total no. of external participants:	17
16.	Total no. of participants:	53
17.	No. of students won the prizes (if any then provide the details in summary sheet)	1
18.	Financial support provided by the Institute:	NA
19.	Financial support provided by Govt. Agency:(Provide the name of the agency)	NA
20.	Financial support provided by other than Govt. Agency:(Provide the name of the agency)	NA
21.	Total expenditure incurred: (Verify the financial details with finance department)	
22.	Program Theme: KNOWLEDGE ENHANCEMENT (fill the details from the given list)	
23.	Complete details of the event: (Attach a summary sheet)	



3. Burst the Bubble

1.	Awareness/Training/Programmes organized by the Department/ External Agencies:	JYC/NSS/UBA
2.	Program Type: (fill the details from the given list)	COMPETITION
3.	Name of Program/Event:	BURST THE BUBBLE
4.	Organizing Agency:	ITS OUR EARTH
5.	Organized at:	ONLINE EVENT
6.	Name of the Organizer:	ITS OUR EARTH
7.	Level of Event: (National/International)	National
8.	Program Start Date:	24/04/2021
9.	Program End Date:	27/04/2021
10.	Program Duration (in days):	1
11.	Program Conducted: (Within Campus or Outside Campus)	Outside campus(Online)
12.	No. of internal faculties:	1
13.	No. of internal students:	15
14.	Total no. of internal participants:	30
15.	No. of external participants: (Students/ Industry/ Any Other: Mention the details)	12
16.	Total no. of external participants:	12
17.	Total no. of participants:	42
18.	No. of students won the prizes (if any then provide the details in summary sheet)	1
18.	Financial support provided by the Institute:	NA
19.	Financial support provided by Govt. Agency:(Provide the name of the agency)	NA
20.	Financial support provided by other than Govt. Agency:(Provide the name of the agency)	NA
21.	Total expenditure incurred: (Verify the financial details with finance department)	
22.	Program Theme: KNOWLEDGE ENHANCEMENT (fill the details from the given list)	
23.	Complete details of the event: (Attach a summary sheet)	



Hub: μ CR (Microcontroller and Robotics Hub)

Faculty Coordinator: Dr. Hema N

Type of the Hub: Technical

Microcontroller based systems and Robotics Hub (μ CR), is the Robotics hub of JaypeeInstitute of Information Technology. We develop and promote the interest of students in both manual and autonomous robotics. Our students have been performing exceedingly well not only in college events but also in the events organized by IITs, NITs and DTU. We organize various events and workshops in our college for promoting the interest of students.

Events Organised

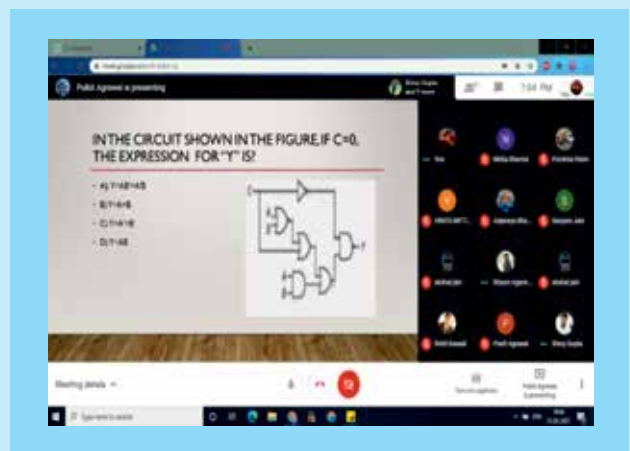
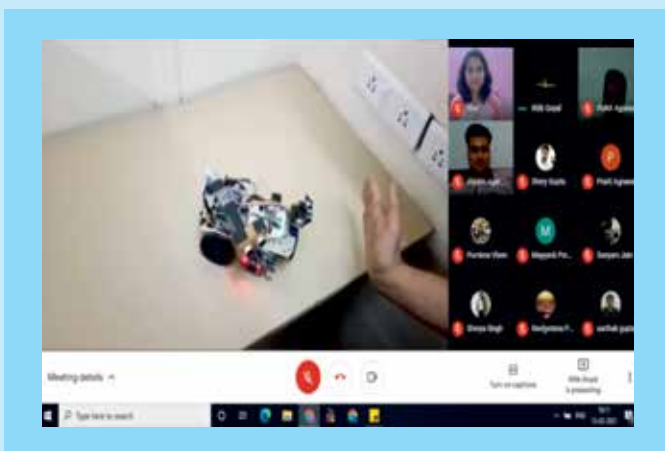
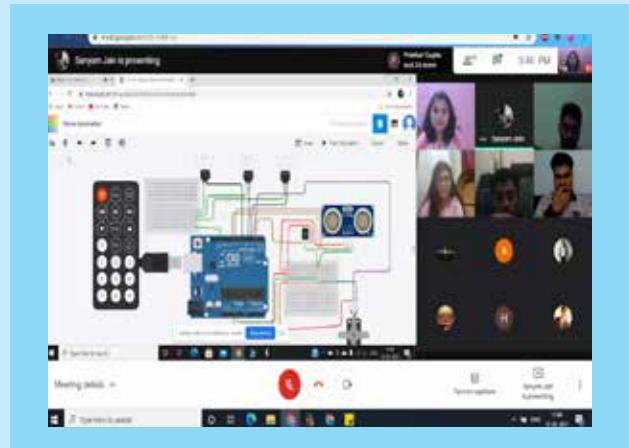
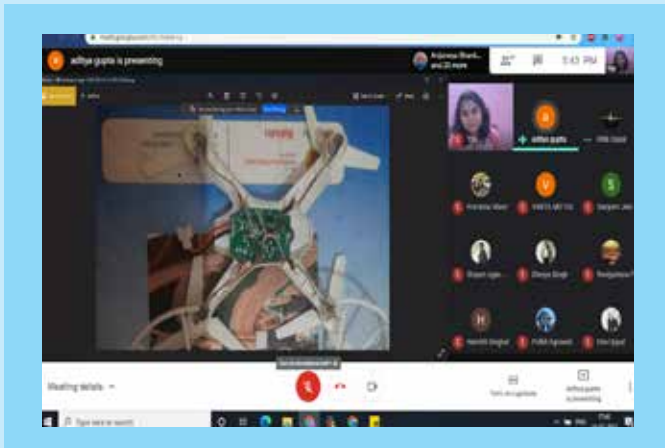
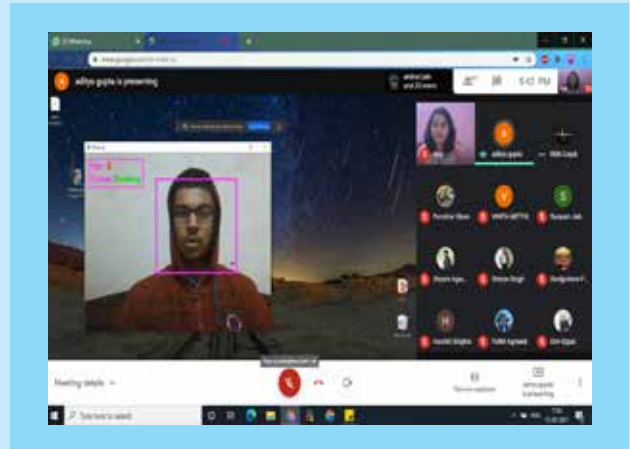
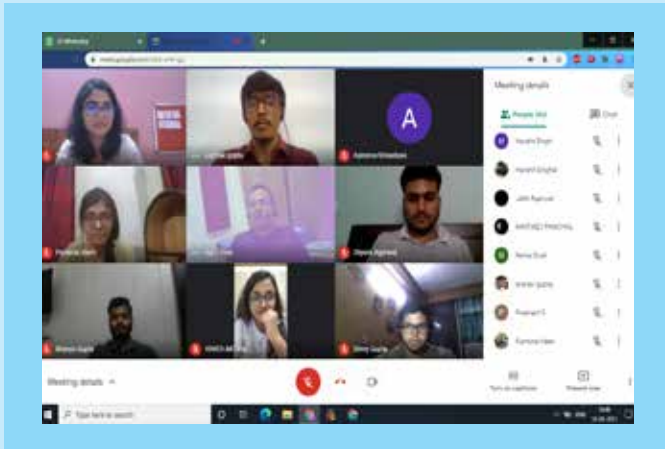
1. Orientation and Exhibition of Innovative Products

An interactive session filled with many quiz questions, projects and exciting prizes. The aim of the event was to introduce the students with the hub, past events of the hub, scopes of the hub, and the upcoming events of the hub for the even Semester 2021. The event turned out to be an extremely successful event witnessing a participation of about 53 students. The reviews were positive and all the attendees remarked positively.

PROJECT EXHIBITION: Many of the volunteers showcased their extraordinary skills in making such extravagant projects in times of such crisis, depicting their sense of responsibility towards our hub. A total of 15 students participated in this exhibition and interacted with 1st years too resolving their questions regarding the projects making it an interactive session.

1.	Awareness/Training/Programmes organized by the Department/ External Agencies:	Microcontroller based systems and robotics hub (μ CR)
2.	Program Type: (fill the details from the given list)	Orientation Exhibition of Innovative Products
3.	Name of Program/Event:	Hub orientation cum project exhibition
4.	Organizing Agency:	μ CR
5.	Organized at:	Google Meet
6.	Name of the Organizer:	μ CR
7.	Level of Event: (National/International)	N/A
8.	Program Start Date:	13/02/2021
9.	Program End Date:	13/02/2021
10.	Program Duration (in days):	1
11.	Program Conducted: (Within Campus or Outside Campus)	Within campus
12.	No. of internal faculties:	1
13.	No. of internal students:	53
14.	Total no. of internal participants:	53
15.	No. of external participants: (Students/ Industry/ Any Other: Mention the details)	N/A
16.	Total no. of external participants:	N/A
17.	Total no. of participants:	53
18.	No. of students won the prizes (if any then provide the details in summary sheet)	N/A
18.	Financial support provided by the Institute:	N/A
19.	Financial support provided by Govt. Agency:(Provide the name of the agency)	N/A
20.	Financial support provided by other than Govt. Agency:(Provide the name of the agency)	N/A

21.	Total expenditure incurred: (Verify the financial details with finance department)	N/A
22.	Program Theme: (fill the details from the given list) Knowledge enhancement	



2. Technophilia 2.0

Details of the events are as follows:

was divided into 4 sub events:

Project exhibition (1st years)(17th April 2021)

The purpose of this event was to showcase the technical talents through projects made by first year students under the mentorship of the second-year volunteers of the hub.

Code and Circuit(1st years and second years) (17th April 2021)

In this event basic circuit diagrams were given by us to the participants (based on sensors, Arduino etc.) following which the participants wrote the code for it on IDE platform on the spot which were checked by the co-ordinators.

Error Decoding (1st years and 2nd years) (18th April 2021)

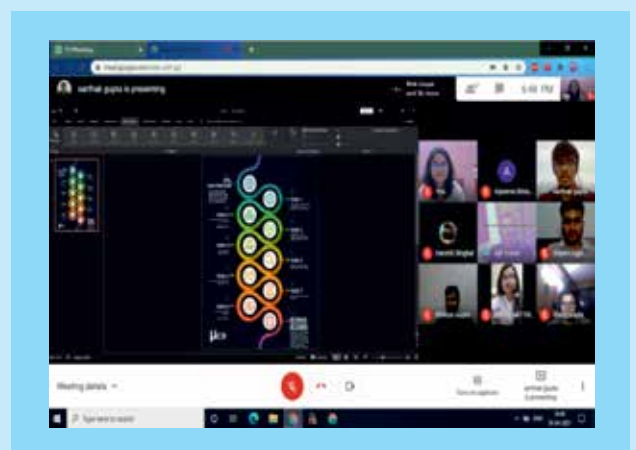
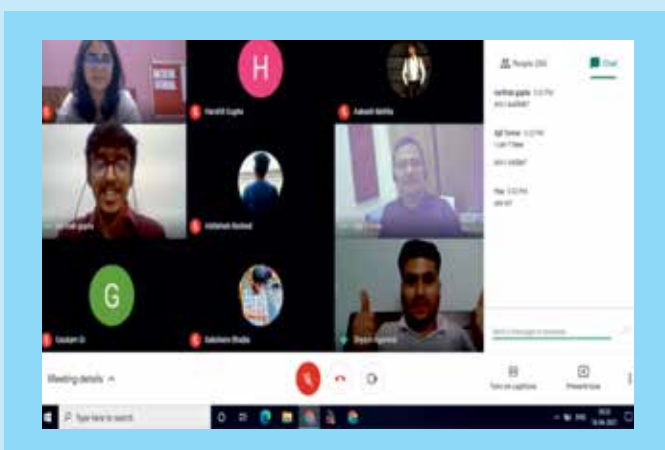
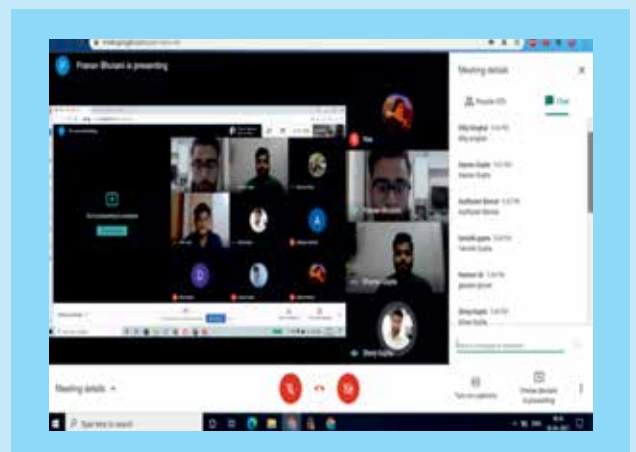
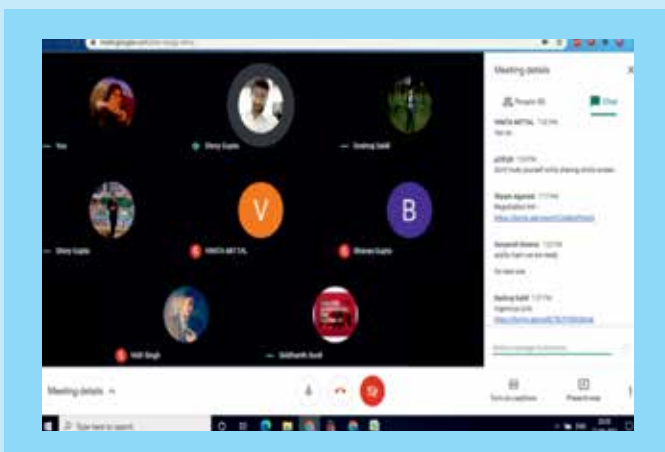
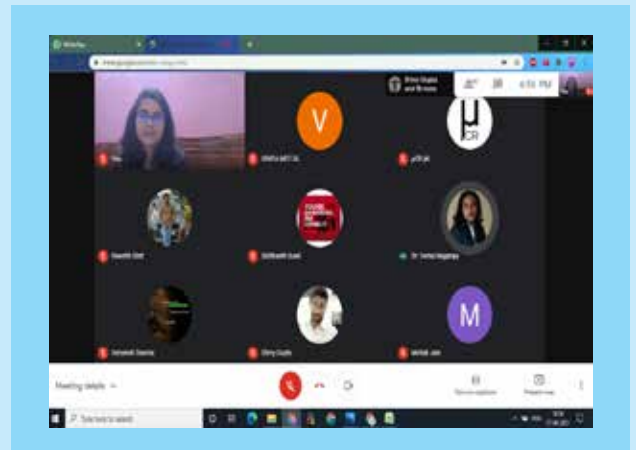
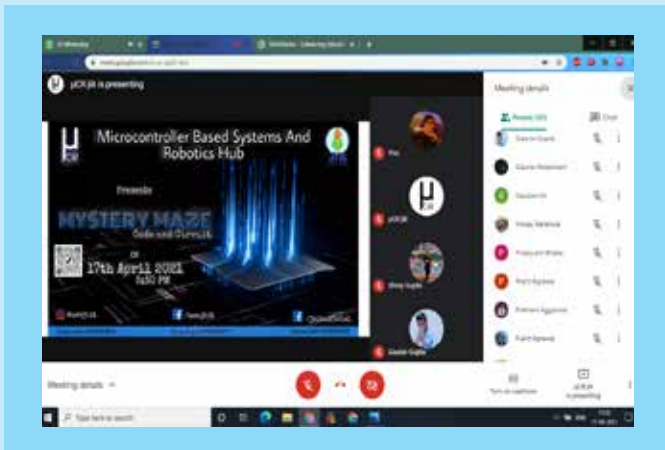
The purpose of this event was to check how attentive and accurate the participants are by spotting the mistakes in an incorrect circuit provided by us on an online simulator. The participants were required to spot the error, and decode them.

Report Submission (1st years and 2nd years) (18th April 2021)

The aim of this event was to encourage them to bring newer and innovative technical ideas. This gave them the platform to think of their own ideas and make a basic report on the idea they have chosen. Hardware implementation was not kept compulsory as this could have restricted their prototype. Presentation of the ideas took place during the event.

1.	Awareness/Training/Programmes organized by the Department/ External Agencies:	Microcontroller based systems and robotics hub (μCR)
2.	Program Type: (fill the details from the given list)	Exhibition of Innovative Products/E-Summits Hackathons/Competition/Boot-Camp/Exchange Programs
3.	Name of Program/Event:	Technophilia 2.0
4.	Organizing Agency:	μCR
5.	Organized at:	Google Meet
6.	Name of the Organizer:	μCR
7.	Level of Event: (National/International)	N/A
8.	Program Start Date:	17/04/2021
9.	Program End Date:	18/04/2021
10.	Program Duration (in days):	2
11.	Program Conducted: (Within Campus or Outside Campus)	Within campus
12.	No. of internal faculties:	2
13.	No. of internal students:	80
14.	Total no. of internal participants:	80
15.	No. of external participants: (Students/ Industry/ Any Other: Mention the details)	N/A
16.	Total no. of external participants:	N/A
17.	Total no. of participants:	80
18.	No. of students won the prizes (if any then provide the details in summary sheet)	27
18.	Financial support provided by the Institute:	N/A
19.	Financial support provided by Govt. Agency:(Provide the name of the agency)	N/A

20.	Financial support provided by other than Govt. Agency:(Provide the name of the agency)	N/A
21.	Total expenditure incurred: (Verify the financial details with finance department)	N/A
22.	Program Theme: (fill the details from the given list)	Knowledge enhancement
23.	Complete details of the event: (Attach a summary sheet):	PLEASE FIND ATTACHED



3. Workshop on Arduino

The purpose of this event was to make the students familiar with various sensors; microcontrollers which will help them to take the technology to a new level and also it will improve their STEM skills. This event was majorly focused on the second year students interested in robotics and Arduino. This was an open to all event. The workshop was divided into two parts:

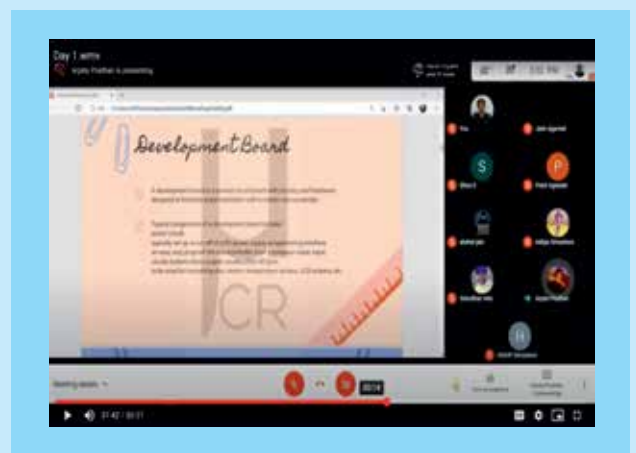
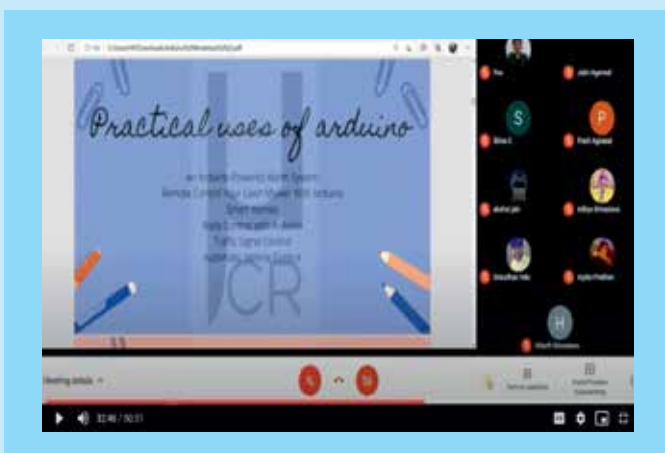
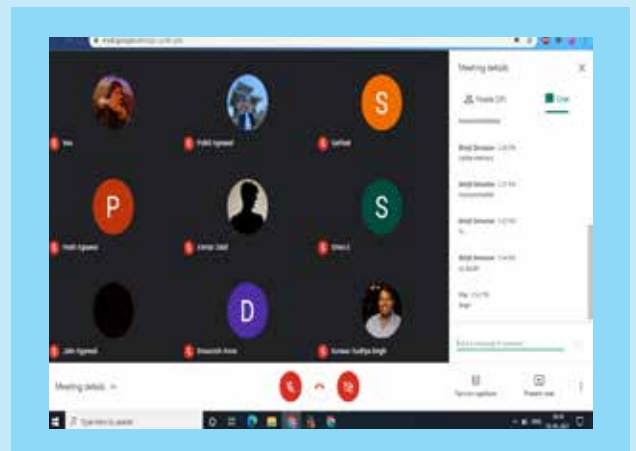
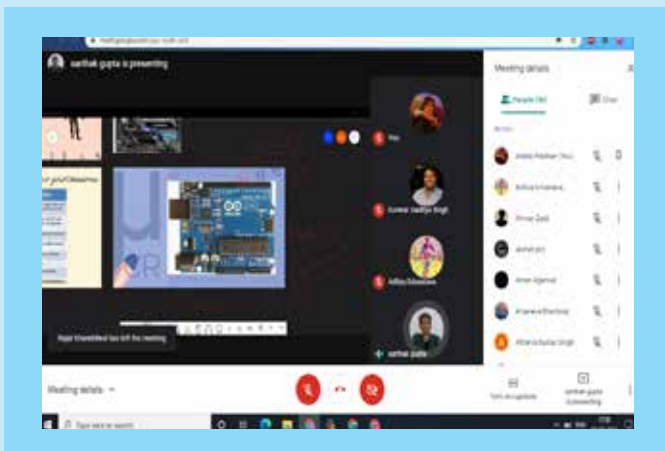
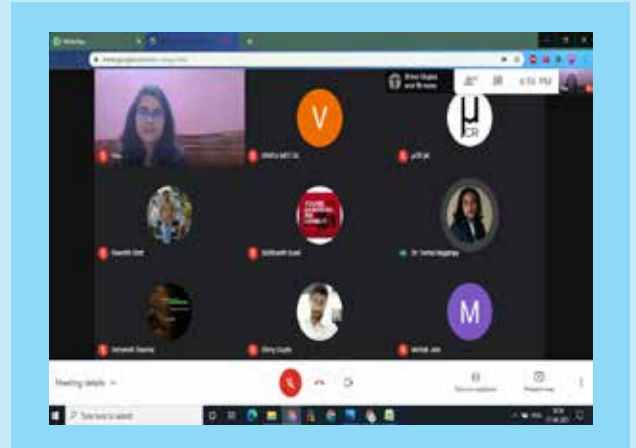
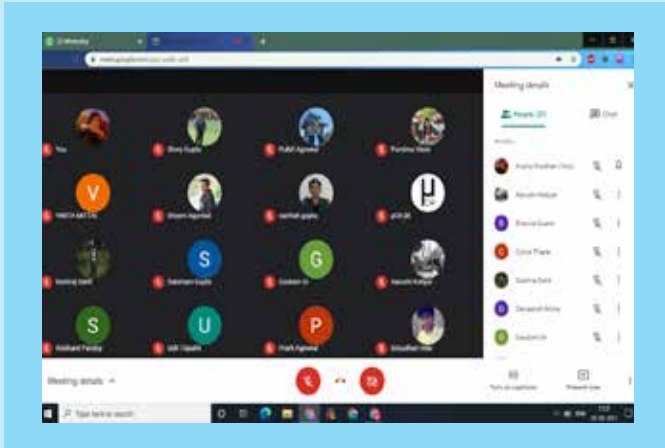
Day 1 and Day 2 were based on the introduction of Arduino and the basics of coding.

Day 3 to Day 6 was an introduction to simulators.

The topics that were covered:

- Blinking of a LED
- Ultrasonic sensor
- Obstacle avoider

1.	Awareness/Training/Programmes organized by the Department/ External Agencies:	Microcontroller based systems and robotics hub (μCR)
2.	Program Type: (fill the details from the given list)	Workshop/Training/Seminar/ Conference/ FDP/Orientation
3.	Name of Program/Event:	Workshop on Arduino
4.	Organizing Agency:	μCR
5.	Organized at:	Google Meet
6.	Name of the Organizer:	μCR
7.	Level of Event: (National/International)	N/A
8.	Program Start Date:	02/03/2021
9.	Program End Date:	06/03/2021
10.	Program Duration (in days):	5
11.	Program Conducted: (Within Campus or Outside Campus)	Within campus
12.	No. of internal faculties:	N/A
13.	No. of internal students:	56
14.	Total no. of internal participants:	56
15.	No. of external participants: (Students/ Industry/ Any Other: Mention the details)	N/A
16.	Total no. of external participants:	N/A
17.	Total no. of participants:	56
18.	No. of students won the prizes (if any then provide the details in summary sheet)	N/A
18.	Financial support provided by the Institute:	N/A
19.	Financial support provided by Govt. Agency:(Provide the name of the agency)	N/A
20.	Financial support provided by other than Govt. Agency:(Provide the name of the agency)	N/A
21.	Total expenditure incurred: (Verify the financial details with finance department)	N/A
22.	Program Theme: (fill the details from the given list)	Knowledge enhancement
23.	Complete details of the event: (Attach a summary sheet):	



Hub: Business and Economics

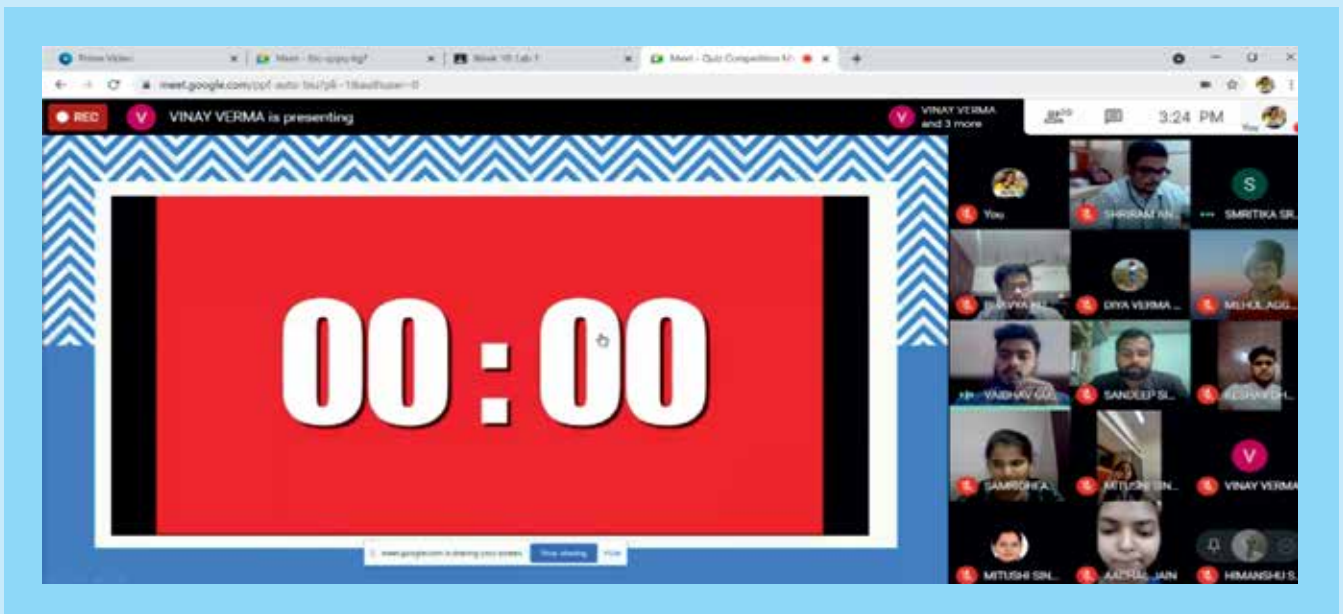
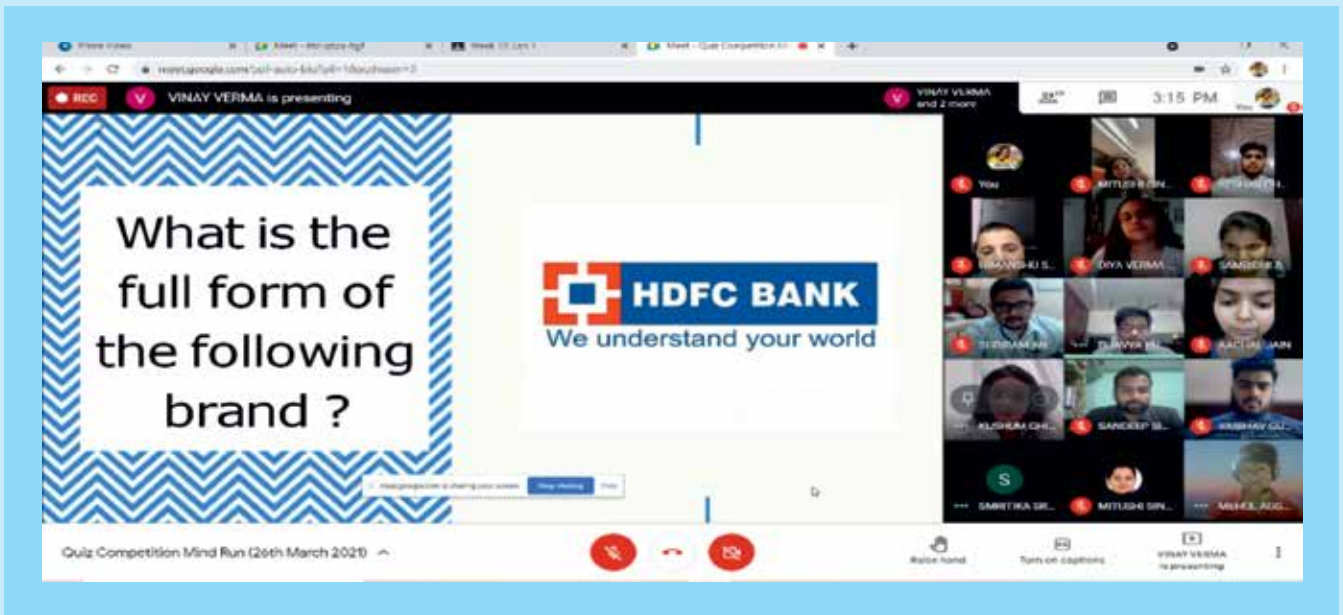
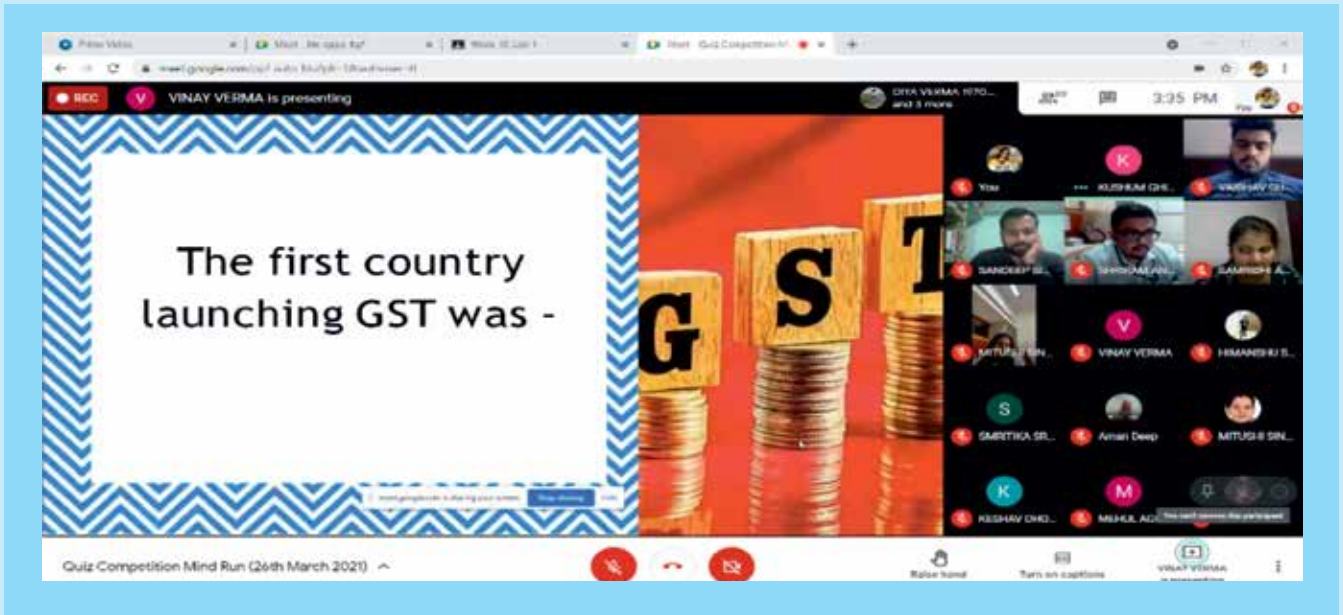
Faculty Coordinator: Dr. Shriram Anil Purankar

Events Organised

1. Business Quiz “MIND RUN”

It was the game of mind intellectual, interest, power and joy. There were total of 5 teams (green, red, blue, yellow, pink) consisting of 2 Members each which were shortlisted after the screening round which was held prior to our final round. There were four rounds in which first round was of Brands and Logos, second round was of women for change, third round was of corporate world and the final round which was the 4th round was of brand rivalry. There was elimination in round 2 of one team and one in round 3. Each team was given 8 seconds to answer the question. So, the green team scored the highest and won the competition.

1.	Awareness/Training/Programmes organized by the Department/ External Agencies:	JYC
2.	Program Type: (fill the details from the given list)	Competition
3.	Name of Program/Event:	Quiz Competition
4.	Organizing Agency:	Business and Economics Club
5.	Organized at:	Jaypee Business School(Online)
6.	Name of the Organizer:	Dr Mitushi Singh
7.	Level of Event: (National/International)	Institutional
8.	Program Start Date:	26/03/2021
9.	Program End Date:	26/03/2021
10.	Program Duration (in days):	1 day
11.	Program Conducted: (Within Campus or Outside Campus)	Within Campus (Online Mode)
12.	No. of internal faculties:	05
13.	No. of internal students:	31
14.	Total no. of internal participants:	36
15.	No. of external participants: (Students/ Industry/ Any Other: Mention the details)	Nil
16.	Total no. of external participants:	Nil
17.	Total no. of participants:	
18.	No. of students won the prizes (if any then provide the details in summary sheet)	6
18.	Financial support provided by the Institute:	Nil
19.	Financial support provided by Govt. Agency:(Provide the name of the agency)	Nil
20.	Financial support provided by other than Govt. Agency:(Provide the name of the agency)	Nil
21.	Total expenditure incurred: (Verify the financial details with finance department)	Nil
22.	Program Theme: Knowledge Enhancement (fill the details from the given list)	

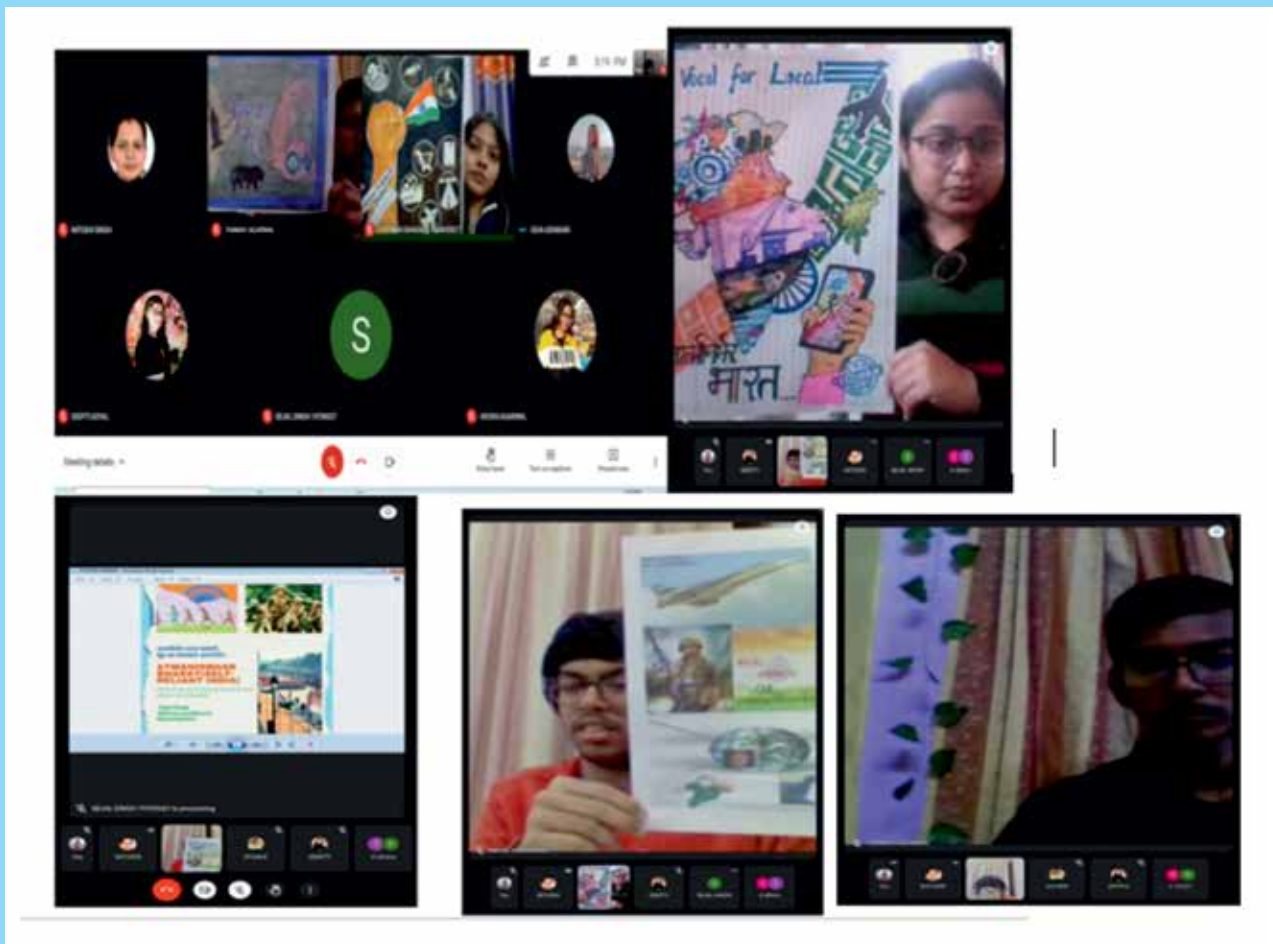


2. Poster Making Competition- Aatmanirbhar Bharat

To mark the Republic Day, a day to honour the Constitution, the rights we enjoy, our sovereignty and diversity, a poster making competition was organised on a very contemporary theme of Aatmanirbhar Bharat. Self-Reliance is inherent in India’s very history and persona, and now this has become the most essential survival skill during the pandemic. It is this attribute of our country which made us the world leaders during these tough times. The world now counts on and look up to India as an example for combatting and conquering the virus.

To foster new thoughts on the age-old mantra of self-reliance and to reinforce its relevance today, students were given an opportunity to put their imagination on the canvas using their creativity for designing vivid pieces of artwork. We have also added a digital flavour to the competition through a separate category of Graphic Design Posters.

1.	Awareness/Training/Programmes organized by the Department/ External Agencies:	JYC
2.	Program Type: (fill the details from the given list)	Competition
3.	Name of Program/Event:	Poster Competition
4.	Organizing Agency:	Business and Economics Club
5.	Organized at:	Jaypee Business School(Online)
6.	Name of the Organizer:	Dr Mitushi Singh
7.	Level of Event: (National/International)	Institutional
8.	Program Start Date:	26/01/2021
9.	Program End Date:	26/01/2021
10.	Program Duration (in days):	1 day
11.	Program Conducted: (Within Campus or Outside Campus)	Within Campus (Online Mode)
12.	No. of internal faculties:	03
13.	No. of internal students:	08
14.	Total no. of internal participants:	08
15.	No. of external participants: (Students/ Industry/ Any Other: Mention the details)	Nil
16.	Total no. of external participants:	Nil
17.	Total no. of participants:	
18.	No. of students won the prizes (if any then provide the details in summary sheet)	5
18.	Financial support provided by the Institute:	Nil
19.	Financial support provided by Govt. Agency:(Provide the name of the agency)	Nil
20.	Financial support provided by other than Govt. Agency:(Provide the name of the agency)	Nil
21.	Total expenditure incurred: (Verify the financial details with finance department)	Nil
22.	Program Theme: Innovation (fill the details from the given list)	



3. Online Debate Competition

Topic-Education in Times of COVID-19

A. Objective / Theme of the activity:

The online debate competition was conducted to enhance the communication skills and the public speaking skills of all the participants. It also helped them to build their self-confidence and provided them with a platform to put forward their views on this very relatable topic of today's times. Since students are the prime stakeholders of education and they themselves are in the online mode of learning, their views and experiences are most valuable.

B. Brief description of the activity with appropriate details:

The wheels for this competition started rolling days back. First, a contemporary topic was chosen. There was total 37 registrations from both BBA and MBA programs. This showed the enthusiasm of students to take part in the event. Then two extensive extempore screening rounds were conducted to select ten finalists on the basis of Content, Confidence, Communication Skills, etc. The final competition was tough. 10 finalists were divided in two teams of 5 each. Judges were finding it hard to declare the winner. Each of the finalists put forward thoughtful value points and supporting statistics in an articulate manner. The Q & A round was the most intriguing part of the debate. Finally, the winner team and the best debate speaker was declared. On the whole event was a grand success.

1.	Awareness/Training/Programmes organized by the Department/ External Agencies:	JYC
2.	Program Type: (fill the details from the given list)	Competition
3.	Name of Program/Event:	Debate Competition

4.	Organizing Agency:	Business and Economics Club
5.	Organized at:	Jaypee Business School(Online)
6.	Name of the Organizer:	Dr Mitushi Singh
7.	Level of Event: (National/International)	Institutional
8.	Program Start Date:	06/11/2020
9.	Program End Date:	06/11/2020
10.	Program Duration (in days):	1 day
11.	Program Conducted: (Within Campus or Outside Campus)	Within Campus (Online Mode)
12.	No. of internal faculties:	03
13.	No. of internal students:	20
14.	Total no. of internal participants:	20
15.	No. of external participants: (Students/Industry/Any Other: Mention the details)	Nil
16.	Total no. of external participants:	Nil
17.	Total no. of participants:	
18.	No. of students won the prizes (if any then provide the details in summary sheet)	3
18.	Financial support provided by the Institute:	Nil
19.	Financial support provided by Govt. Agency:(Provide the name of the agency)	Nil
20.	Financial support provided by other than Govt. Agency: (Provide the name of the agency)	Nil
21.	Total expenditure incurred: (Verify the financial details with finance department)	Nil
22.	Program Theme: Knowledge Enhancement (fill the details from the given list)	



CICE Hub:

Faculty Coordinator : Mr. Atul Shrivastava

Creativity and Innovation Cell in Electronics (CICE) was formed with sole purpose of developing the interest of students in electronics and encourage and help them to materialize their ideas. The CICE is a club run by a team of students who are enthusiastic about electronics and want to learn and share what they have learned from the previous CICE team and themselves.

Events/Workshop Organised:

1. ElectroSpark

Duration: January 25, 2021 – January 31, 2021

This workshop was focused for the first- and second-year students. This was an introductory workshop where students were taught about the basic circuit elements and making of a temporary circuit on a breadboard. The main highlight of the workshop was that we taught students about 5 projects some of which were Buzzer, Piano, Intruder Detector and Disco light as a bonus project. This workshop was very successful with over 175 participants (Including external and internal).

2. ML Workshop –

Duration: March 11, 2021 – March 14,2021

Many a times we fail to succeed in the completion of a project due the lack of technical knowledge and exposure. After the accomplishment of the Hardware Workshop, we organised our final workshop on and about the Machine Learning, the new buzz of technical world. Here we gave a basic insight to the students of the highly diverse field of Machine Learning and Deep Learning. This workshop again attracted a crowd of 75 students (5 external 70 internal) from all batches.

EVENTS ORGANIZED

1. NATIONAL SERVICE SCHEME (NSS) ACTIVITIES AT JIIT

JIIT has set up National Service Scheme (NSS), a permanent youth programme under the Ministry of Youth Affairs and Sports. There are approx. 400 NSS student volunteers actively engaged in social service. NSS-JIIT takes pride in three key initiatives namely: a) Education and awareness drives b) Say no to Plastic and c) Waste and Disaster Management. An awareness program on COVID-19 was also conducted.

Following NSS activities have been carried out :

Date	NSS Event-JIIT 62
12-08-2020	Online campaign to show solidarity on International Youth Day
13-08-2020	A two day workshop on Photoshop
15-08-2020	Selfie with Flag
15-08-2020	Trivarn An online celebration marked by Poetry, Slogan Writing, Photography Contest
24-09-2020	NSS DAY celebrated with online event :TARANG. NSS hosted online events under Tarang Such as Speech , Poster Making, NSS quiz & Poetry Writing
15-10-2020	Global Hand wash day . A webinar , Presided by Prof hari Om Gupta on importance of Hygiene and Hand Wash.
15-10-2020	Poster , Slogan and Story Writing Competition was organized based on the Hand Hygiene Theme.
24-10-2020	Mission Shakti- an online webinar on women empowerment and self defense. Key resource person Bhupinder Singh

Date	NSS Event-JIIT 62
14-11-2020	Children’s Day -Quiz on favorite Avengers on the auspicious occasion of Children’s Day
16-11-2020	Online campaign on water conservation
01-12-2020	Online Campaign to create awareness on World Aids Day
09-12-2020	NGO visit- Menstrual hygiene and Sanitization Campaign
12-12-2020	Webinar on service before self. Key resource person-Nandita Gopalan
06-03-2021	Webinar on Women’s Mental Health was conducted with psychologist Ms. Devika Kapoor as Guest Speaker
08-03-2021	An online competitive event was conducted to celebrate the International Women’s Day
11-03-2021	Database Formation and Sanitary Pad Distribution NSS & Helping Others Monthly distribution of sanitary pads was conducted along with distribution of medicines.
07-04-2021	Online Awareness Campaign: World Health Day
24-04-2021	Webinar on Earth Day: The theme for this year’s Earth Day is “Restore Our Earth” The webinar was conducted by the students attended by JIIT and outside JIIT students
26-06-2021	Yoga Day: NSS with Yoga and Health Hub organized one day Yoga workshop for NSS volunteers

2. International Day of Non-Violence. 02 October 2020, the birth anniversary of Mahatma Gandhi is observed as the International Day of Non-Violence all over the world. An event was held at both the Campuses of the Institute from 1030 – 1130 hrs. The event at Sec 62 was chaired by the Vice Chancellor and at Sector 128 was chaired by the Director. All available members attended the event. All safety precautions regarding COVID-19 were strictly followed.

3. Ekta Diwas The Nation celebrates Ekta Diwas on 31 Oct 2020 every year on the occasion of the birth anniversary of Shri Vallabhai Patel. The Ekta Diwas Pledge was circulated to all HoDs. The employees took the pledge within the Departments observing all the safety precautions mandated for COVID-19.

4. National Road Safety Month (from 18 Jan – 17 Feb 2021) : With millions of lives endangered worldwide, road traffic accidents (RTA) rank alarmingly high in the recent trends of pressing social issues. Despite stagnancy and uncertainty owing to the Covid 19 pandemic and the lockdown, road accidents have continued to cause loss of life. Clearly, road safety continues to be a major developmental and public health concern, acting as a leading cause of death and injuries in our Nation.

An awareness drive regarding the road safety was conducted at JIIT Noida on 21-22 January 2021. Due to the lockdown in the country, available members attended the event on each day. The audience was advised to follow safety guidelines communicated by the Transport Department and issues like wearing helmet/seat belt, driving carefully and within speed limit, understanding of various traffic signs, precautions on using of mobiles while driving, periodic vehicle checks, lane driving etc.

The audience was also advised to strive to do our part to ensure that we receive what we deserve - safer roads and safer communities, for everyone.

5. Chaura-Chauri Centenary Celebrations : 04 Feb 2021

(a) Centenary Celebrations. The Chaura-Chauri event is an important milestone in the Freedom Struggle of the country. The Uttar pradesh State Government is organizing centenary celebrations from February 4 and the events/celebrations will continue till February 4, 2022.

(b) A talk-cum-presentation was organized on the occasion at JIIT, attended by the 75 members of the faculty and staff, where-in the brief historical significance and the importance of the event in the Indian freedom struggle was communicated. All COVID-19 mandated precautions were observed during the conduct of the event.

6. International Women's Day

Events were organized during the International women's day celebrations from 04 - 08 March 2021.

- (a) On 04 March: A Poster Presentation Competition on women entrepreneurs was organized by the HSS dept. to mark the celebration on International Women's Day. The event showcased the power and grit of a woman who have made a mark in the highly competitive business world overcoming various challenges.

Event: Poster Presentation of Woman Entrepreneur

Participating students : 75

- (b) Webinar on Innovative Strategy for Women Entrepreneurs on 08 March 2021

- Jaypee Incubation and Innovation Center (JIIC) in association with WIE IEEE affinity group, JiIT Noida organized a Webinar on Innovative Strategy for Women Entrepreneurs on 08 March 2021 at 3:00 PM on the occasion of the International Women's day on 08 March 2021.
- This webinar was open for faculty as well as students from within University from Engineering Departments of CSE/IT, ECE & Biotechnology as well as Science Department of Humanities, Mathematics and Physics.
- The theme of the webinar was
 - o Sharing best practices for women entrepreneurs
 - o Innovative models for budding entrepreneurs.
 - o Inspiring women for leadership roles.
- The webinar was conducted in online mode through Google Meet mode and attended by faculty staff and students.
- Speaker Profile: Ms. Tithi Tewari, CEO and Founder SmartVizX, Co-creator Trezi.

7. World No Tobacco Day.

- (a) Every Year on 31 May, the World Health Organization (WHO) and global partners observe World No Tobacco Day (WNTD). The annual campaign is an opportunity to raise awareness on the harmful and deadly effects of tobacco use and second hand smoke exposure and to discourage the use of tobacco in any form. This year the theme of WNTD 2021 was , "Commit to Quit".
- (b) The Institute organized a pledge taking ceremony in online mode on 31 May 2021.
- (c) All members were sensitized to the adherence to the Govt guidelines on the subject and a poster with the details of the contact persons was placed at the gates of the Institute.

8. International Day of Yoga 2021.

- (a) The International Yoga Day celebrates the physical and spiritual prowess that yoga has brought to the world stage. The seventh International Day of Yoga was celebrated on 21 June 2021 with the theme 'Yoga for wellness' in our lives.
- (b) "Yoga and Health Hub" of Jaypee Institute of Information Technology, Noida in association with "Bhartiya Yog Sansthan" organized a special session on 'Yoga for wellness'.
- (c) The guidelines were communicated to all the students and employees to perform Yoga individually or with family within the confines of their homes on 21 June.

TRAINING & PLACEMENTS

Placements of 2016-20 Batch : B. Tech Programmes

Branch	Total Participating Students	Total No. of Offers	% of Total Offers	Absolute Offers	% of Absolute Offers
CSE	445	754	169%	445	100%
ECE	300	506	169%	298	99%
IT	50	84	168%	50	100%
Bio Tech	20	19	95%	17	85%
Total	815	1363	167%	810	99%

M Tech / Dual

Branch	Total Participating Students	Total No. of Offers	% of Total Offers	Absolute Offers	% of Absolute Offers
M Tech	9	8	89%	7	78%
DUAL CSE	26	42	162%	26	100%
DUAL ECE	12	21	175%	12	100%
DUAL Bio Tech	7	8	114%	6	86%
Total	54	79	146%	51	94%

CTC Highlights

- Highest CTC INR 43.88 Lacs by Adobe (02 Offers)
- 2nd Highest CTC INR 35 Lacs by DE Shaw (01 Offer)
- 3rd Highest CTC INR 30 Lacs by Amazon (42) & Cisco (01) (43 Offers)
- 22 Companies with CTC between INR 10 to 29.99 Lacs (82 Offers)
- 48 Companies with CTC between INR 6 to 9.99 Lacs (347 Offers)
- 65 Companies with CTC between INR 3.50 to 5.99 Lacs (967 Offers)

Top 10 Companies : In the Descending Order of CTC

Sl. No	Name of the Company	CTC in INR Lacs	Offers				Total
			CSE	IT	ECE	Dual Degree	
1.	Adobe	43.88	2				2
2.	DE Shaw	35.00				1	1
3.	Cisco	31.00	1				1
4.	Amazon	30.00	34	4		5	43
5.	Amazon-PA Role	27.83	2				2
6.	Morgan Stanely	25.00	5				5
7.	Intuit	25.00		1			1
8.	Goldman Sachs	23.00	1			1	2
9.	InterviewBit	22.00	6	3			9
10.	Avalara	22.00	1				1

Top 10 Companies: In the Descending Order of Number of Offers

Sl. No	Name of the Company	Total Offers	Offers					
			CSE	IT	ECE	BT	M Techs	Dual Degree
1	Cognizant	281	119	12	135	1	3	11
2	Infosys	265	160	8	75	3	1	18
3	TCS	161	87	8	60		1	5
4	WIPRO	136	39	6	82	2		7
5	Amazon	44	34	4		1		5
6	DXC	42	12	1	28	1		
7	ZopSmart	27	24	3				
8	Deloitte	25	10	3	7			5
9	Thales Group	23	14		9			
10	Optum	17	17					

Activities Undertaken to Enhance Placement of Students: July, 2020 to June, 2021
July, 2020
KPIT Sparkle

KPIT Sparkle (7th Edition) was launched with Theme of Mobility & Energy. A new category was also launched under Mobility i.e. Post COVID-19 safe mobility solutions.

This ideation event offered employment opportunities with KPIT and IP ownership with the idea holder. One team of JIITians secured position in Top 100.

July, 2020
Google's Online Challenge

Google's Online Challenge is a platform that presents a fair, unbiased opportunity for students to engage in Google's hiring process. It encourages students to develop their cloud skills in domains such as Unix/Linux (OS), Web Technology, Databases, Data Structures, Algorithms, Coding and Troubleshooting. 92 students of JIIT participated in this challenge.

July, 2020
Motivational Session by Wing Commander Sneha Singh

To build a direct connection with aspirants aiming to join the armed forces, the Indian Air Force (IAF) reached out to JIIT students. The intent was to guide the students about the mode of the entry, challenges and quality of life experienced by the professionals. 250 students actively attended this session of duration of 2 hours.

July, 2020
VMWar: WomenWhoCode

VMware Nirmaan organized WomenWhoCode Connect India 2020 Digital conference on 7th and 8th of August 2020. This year's theme was "Innovate Today for a Better Tomorrow". The event was attended by 100 engineering girl-students from JIIT.

July, 2020
Goldman Sachs: Engineers Hiring

Goldman Sachs announced the launch of "Engineering Campus Hiring Program"; an initiative that engage, assess and hire engineering students from across the country. 545 JIIT students participated in this event. Two students have been offered through this hiring program.

July, 2020

Amazon - Virtual Campus Connect Sessions

Amazon organized virtual campus placement for hiring Software Development Engineers - Fulltime for 2021 placement season. They conducted a series of engagement activities scheduled between 3rd to 10th Aug 2020 that will help to understand Amazon Leadership principles, Culture, Technology and help them better prepare for interviews.

July, 2020

Virtusa NeuralHACK: Season 4

Neural Hack Season 4 - National level coding competition was organized by Virtusa. The contest offered prizes and opportunities to secure full time employment offers with Virtusa. 315 JIIT students participated in this event. 1 student has been offered through this hackathon at a CTC of INR 4.0 LPA.

August, 2020

Motivational Speech by Colonel Vembu Shankar, SHAURYA CHAKRA, Indian Army

To build a direct connection with aspirants aiming to join the armed forces, the Indian Army reached out to JIIT students. The intent was to guide the students about the mode of the entry in the forces, challenges and quality of life experienced by the professionals. 245 students actively attended this session of duration of 1.50 hours.

August, 2020

Amazon - Non CSE-IT (Non Tech) - Fireside Chat with Leaders

As part of campus engagement initiatives, Amazon organized a fireside chat with Amazon India Operations leaders on 21st August 2020 for B Tech-ECE-Civil-Mechanical-Biotech & Bioinformatics students of batch 2021. It was a great opportunity for the students to hear from senior leaders about what makes Amazon "AMAZON", its peculiar culture and the incredible growth story of India Operations. 525 students of JIIT attended this session.

August, 2020

Amazon - Virtual Campus Connect Sessions

Amazon organized virtual campus placement for hiring Software Development Engineers - Fulltime for 2021 placement season. They conducted a series of engagement activities scheduled between 3rd to 10th Aug 2020 that helped to understand Amazon Leadership principles, Culture, Technology and help them better prepare for interviews. 635 students attended the sessions.

August, 2020

Online Session-AICTE-Internship Opportunities for Students

The Internship Cell of AICTE organised an online session to let students know how they can benefit from various online/offline internship/training opportunities to develop their skills and enhance their learning. It invited students to start their internship experience via the state-of-the-art internship portal developed by AICTE. 2000 plus students of Batch 2022 have already registered from all JUs at AICTE Internship portal for summer internships of their choice and at the place of own choosing.

August, 2020

Briefing by Head Training and Placement, Jaypee Universities

Brigadier Sanjay Dawar, Head Training and Placement, Jaypee Universities interacted with Engineering and Management students of 2021 graduating batch to brief them on Placement Policy and Process. It was a virtual session of 1 Hour. 1200 students of JIIT & JBS attended this session. The session was also conducted for students of sister JUs.

August, 2020**Guest Lecture by Volvo Group-Deputy Manager HR**

Mr. Venkatesh Neelam, Deputy Manager - Recruitment, Volvo Group delivered a guest lecture of an hour on the topic “Career opportunity and Self Branding” on 29 August, 2020. It was attended by 200 students. He guided students on career/job search decision making based on the rapidly changing employment landscape.

September, 2020**Decode with Google**

Decode with Google is an opportunity for techmakers, entrepreneurs, and academia to get a sneak peek at some of the toughest and most interesting challenges that Googlers in India are solving for. 415 JIIT Students joined the virtual edition of Decode with Google and learned about Google, the state of AI, the opportunities it presents with a focus on the next billion internet users. Student got a hear-live from the Google Tech leaders and an opportunity to ask leaders some questions and potentially have them answered live on air !

September, 2020**Tata Imagination Challenge**

Tata Imagination Challenge India’s largest business challenge was opened to 2021 graduating batch. It offered a cash prize, mentorship sessions, and leadership lessons. Large number of students participated.

September, 2020**NCR Corporation**

NCR (National Cash Register) organized an All India Level Open Engineer Hiring Challenge/Hackathon CodeWars 2020 which offered full time Roles at CTC of 7 LPA along with many prizes for the winners. The event was opened to B Tech 2021 batch students. 476 students participated in this event.

September, 2020**Cognizant – “Interviews Preparedness”**

Cognizant organized a session on “Interviews Preparedness” which was delivered by Mr. Gaur Singhal, Project Manager, Cognizant. Total 945 students of JIIT attended this session.

September, 2020**InfyTQ by Infosys**

InfyTQ was open for all CSE, IT & ECE of 2021 batch students. They were eligible irrespective of percentage marks of 10th, 12th and UG/PG. Based on performance during certification, the candidates were directly called for PPI for Power Programmer (CTC Rs 8.00 Lakhs), System Engineer Specialist (CTC Rs 5.00 Lakhs) and System Engineer (CTC Rs 3.60 Lakhs) profiles. Under this program, 28 JIIT students have been offered.

October, 2020**TCS Codevita**

TCS Codevita is the national level contest of TCS to hire engineering students. JIIT Noida secured 44 offers from Codevita contest. Under this program, 11 students secured TCS Digial profile at CTC of INR 7 LPA and 33 students received offers.

October, 2020**Intuit Inc. Online challenge**

Intuit Inc. organized an online test for women hiring for B. Tech / Dual batch 2021 and 2022 for providing students with Summer Internship and Full time employment offers. 130 Girl students participated in the drive and one student of 2021 batch finally received an offer at CTC of INR 25 LPA and 3 students from batch

2023 received internship stipend Rs. 60k per month.

October, 2020

BNY Mellon organized a Hackathon “Code Divas

BNY Mellon organized a Hackathon “Code Divas - Defining tomorrow’s technology Today” for unplaced girl students of B. Tech & M. Tech batch 2021 & 2022 batch - all branches. The hackathon offered employment opportunities with stipend of Rs. 60,000 PM with FTE opportunities at a CTC ranging from INR 11.00 to 21.00 LPA to top winners. One JIIT student has been offered Intern and FTE offer through this hackathon.

October, 2020

Credit Suisse Global Coding Challenge 2020

University students across the globe attempted to code their most efficient algorithms to nine coding problems ranging from EASY to HARD. The student at the top of our global leader board were crowned as Global Coding Champion and awarded a Macbook Pro. The challenge was shared with Batch 2022 students of all courses/branches.

November, 2020

Optum Stratethon Season 2

Optum announced a hackathon named Stratethon Season 2, a university competition with theme “Opportunity to innovate and change the future of healthcare”. With the potential to become the very first APAC winner and secure pre-placement interviews with Optum, JIIT Batch 2021, 2022 and 2023 students were invited to be part of the program.

November, 2020

Session on Menstrual Health & Hygiene for Girl students

Unicharm India organized a Virtual Seminar to prepare women, adolescent girls (pre-menarche and post menarche) to improve their knowledge on Menstrual Hygiene Management and prepare them for healthy and productive womanhood. The seminar was attended 50 girl students of Jaypee Universities.

November, 2020

CodeChef’s Indian Programming Camp (IPC)

The IPC 2020 was a three-day online programming workshop-cum-orientation session with live classes, topic-wise problem-solving sessions, programming contests, and a lot of interactions & networking with expert programmers. Participants got a CodeChef IPC 2020 Participation Certificate at the end of the workshop. The program was attended by 200 students of batch 2022.

November, 2020

Flinzy’s Leaders of Tomorrow Orientation Workshop Session

JIIT pre-final year students of all courses who had made-up their mind, to make a difference and not let communicating in English be a hindrance to their bright future and success in the corporate world were given a chance to attend the 1 hour workshop to understand the importance of English communication and overall personality development to succeed in the life. More than 1000 students attended workshop and benefitted from it.

November, 2020

TCS - Inframind season 4

Contest Inframind was an opportunity for students to learn & test their skills in the trending technologies namely Cloud, Devops, Artificial Intelligence, Machine Learning, Automation, Networking. Depending upon the performance in the interview process, more than 200 students have been offered Ninja (3.36 LPA for UG and 3.53 LPA for PG) or Digital (7.0 LPA for UG and 7.30 LPA for PG).

November, 2020**TCS - PMI GAME-A-THON**

The PMI GAME-A-THON was a Project Management game design contest. Contestants designed an educational game in digital format on project management topics of their choice. This event was for all courses and branches of 2022 batch students.

November, 2020**Philips Code to Care Challenge**

A hackathon from Philips, Code to Care Challenge was aimed at generating ideas and solutions that ensure better health outcomes, improve patient experience and enhance healthcare staff satisfaction. The challenge was open for courses and all branch students. The challenge offered cash prizes worth INR 1.75 Lacs and PPI (Pre-Placement Interviews) to the winners.

November, 2020**EY GDS Hackathon**

EY GDS launched the Hackathon for 2022 / 2023 batch on stimulating as well as thought-provoking business challenges. Our students got the opportunity to work on a Gamified Employee Onboarding Application in which JIIT student from B. Tech 2nd year based the entire application around Augmented Reality. The team (3 members, 1 from JIIT and 2 from other universities) was shortlisted for Top 10 out of total 2000 and was also awarded with cash prize of INR 7,500/-.

December, 2020**Wipro | ELITE National Talent Hunt Hiring 2021**

Elite National Talent Hunt 2021 was a fresher's hiring initiative to attract the best of engineering talent from B. Tech / Dual 2021 batch. The objective of this initiative was to enable an equal opportunity for employment to the most deserving talent available in India. An enthusiastic and eligible engineering candidate, who could not participate in the regular campus hiring drives for whatsoever reason, were allowed to be part of this exciting opportunity.

December, 2020**EY Techathon 2021**

EY launched the Techathon 2021, for 2022 batch students from across disciplines to develop novel solutions to help the country produce, store, deliver and monitor over 1 billion vaccines. Participants had to use AI, machine learning, blockchain and gamification to develop a modern immunization program. Award of a cash prize of INR 3 lakh as well as an opportunity to work with EY were the offers to the participants.

December, 2020**EY Techathon 2021 – Open House Session to clarify doubts about this event**

EY organized one hour Open House session for 2022 batch students to clarify their doubts that they had on the problem statements or technologies to use as they build their solutions to help solve India's biggest vaccination challenge. It was one hour session. Mr. Prashant Garg, Partner – Blockchain, Ranjan Rao, Partner – Intelligent Automation, Milan Narendra, Partner – Government and Public Sector were present from EY.

December, 2020**RDC Concrete – iDiya 2021**

RDC Concrete launched iDiya 2021 for 2022 batch students in the quest for Business Excellence. The ultimate aim was to take the business of Ready Mix to the next level through the path breaking ideas from young generation. It is an All India Competition on Idea generation and execution. Prize money ranged from 1(One) Lac to the winning team and Rs. 50 and Rs. 25 thousand for the runner-ups along with the Job Offers.

December, 2020

Free Career Counseling Workshop by CareerGuide.com

Career Counseling Workshop was organized for 2022 batch students. The workshop was conducted by CareerGuide.com, a pioneer name in the field of Career Counseling. It was a 2 hour session attended by 179 interested students.

December, 2021

Deloitte - Bringing to you 'BRIDGE' | Session 1 - Artificial Intelligence

Deloitte launched 'BRIDGE' a virtual campus outreach program. The program aimed at bridging the gap between students and their future workplaces, giving them unique access to Deloitte's technology leaders and the teams. The series included one session a month and cover Artificial intelligence, Cloud and Blockchain. The 1st session on 'Artificial intelligence' was attended by JIIT 2022 batch students and earned a participation badge with the opportunity to take the post-session quiz.

January, 2021

Virtual Aptitude and Reasoning Training for Engineering Students - 2022 Batch by Mr. Eldo

To prepare and sharpen Aptitude skills, Soft skills and making fundamentals strong, we organized training sessions for students on voluntary basis. Aptitude Training, to crack the on-line test conducted by companies mainly volume Cos/Mass Recruiters, was delivered by Mr Eldo at JIIT. Each student underwent classes for about 16-17 Hours in batches of about 50 students per batch depending on the number of registrations. A total of 131 JIIT engineering 2022 batch students attended the training held virtually.

January, 2021

TCS - campus connect on AI-ML

TCS organized a campus connect virtual session on AI-ML for the students of Batch 2022 of Jaypee Universities. The one(1) hour session was delivered by Mr. Apoorve Agarwal, Head Service Management Practice. 181 Students attended the workshop.

January, 2021

Knowledge Hour with Infosys LinkedIn Live Chat || January 21, 2021

An exciting 1 hour live chat session -"Navigating the next in financial services through technology modernization" was organized by Infosys. Shri Narahari Govindaraju - Vice President and Delivery Head, FSADM and other 4 senior panelists from Infosys conducted the session. The session was attended by Engineering, MBA & BBA 2022 Batch students.

January, 2021

TCS - Contest EngiNX

EngiNx was an Engineering Innovation contest from TCS - Engineering and Industrial Services & Internet of Things Business Unit. The contest was organized for students passing out batches 2022 and 2023. Other than exciting prizes, the contest offered Internship opportunities for 2023 batch and chances of getting PPO offers through this contest for the students of batch 2022.

January, 2021

Work Shop for Placement Preparation by Ms Priya Vajpeyi. Ms. Priya Vajpeyi, an alumnus of JIIT, who was working with Adobe organized a session for engineering 2022 batch students to clear their doubts and addressed queries related to career streams, college performance improvement, placement preparations, industry readiness, contests & internships, enabling a smooth transition for all of you from college students to corporate ready individuals. The event was attended by 270 students.

February, 2021**Deloitte - Bringing to you 'BRIDGE' | Session 2**

Deloitte under 'BRIDGE' a virtual campus outreach program organized the Session 2 to enthrall all 2022 batch students on February 8, 2021 and shared knowledge on how to scale and operationalize artificial intelligence and machine learning in today's digital landscape.

February, 2021**ZS Campus Beats is back! | Campus Beats 2021-Webinar**

ZS Associates organized their flagship engagement program ZS Campus Beats for 2022 graduating batch and conducted a series of webinars, discussions with industry experts and case challenges, in an attempt to prepare the applicants well for ZS's interview rounds. This program organized a series of two Brown-Bag Webinars in February, 2021 which was followed by a 48-hour ZS Campus Beats Case Challenge.

February, 2021**Google Cloud Sprint Bootcamp**

The bootcamp was for all aspiring engineering students of Batch 2022 who were interested in making their career in Cloud computing. This intensive development program gave an opportunity to students to interact with Googlers to learn more about the world of cloud via e-learning and faculty-led sessions.

February, 2021**Webinar on Interview Techniques & Resume Building by "Learning from Ant"**

"Learning from Ant" organized an interactive session to clear the doubts related to their career, placements, resume, communication, grooming, interview preparation. The 2 hours program was delivered by Mr. Anurag Sharma which was attended by 350 students of engineering batch 2022.

February, 2021**KPMG Ideation Challenge (2021 KIC)**

KPMG Ideation Challenge (2021 KIC), where students learnt to ideate, create and build technology solutions that solve pressing, real-world issues facing business and society. Students also experienced the type of work KPMG teams do every day for clients and how they bring diverse teams together to collaborate, design, develop and deliver industry-leading solutions. Engineering students of batch 2022 participated in the event.

March, 2021**Code with SAP Labs India Hackathon**

The Hackathon offered to build a fantastic application to solve everyday business use cases using SAP services and other emerging technologies to 2022 batch students. The hackathons offered prize money of INR 2 Lacs to INR 50 thousand with many goodies to participants.

March, 2021**Deloitte - 'BRIDGE' | Demystifying emerging technologies - Session 3: Cloud Machine Learning**

Deloitte organized a session to share the information on two emerging technologies - Machine Learning & Cloud and educated students about How huge amounts of data get mined, the amplified impact of Machine Learning when data is on cloud and the skills needed to advance a career in Cloud Machine Learning. B. Tech and Dual 2022 batch students attended the program.

March, 2021

Campus Beats Webinar | The ZS way of solving a Business Case Study

ZS Associates organized a Live Webinar on The ZS way of solving a Business Case Study for 2022 Batch students. The Pan-India case challenge is aimed at testing analytical and problem-solving skills, and provides an opportunity to interview with ZS for a pre-placement offer.

March, 2021

Confidous (A mental Health Brand) – Webinar on “Self Esteem”

A virtual workshop on “Self Esteem” was organized by Confidous (A mental Health Brand) was organized for Batch 2022 students of JIIT on 15 March, 2021. The duration of the event was 90 Minutes. Point covered were - How do you see yourself, Insecurities, Confidence Building, Blame Game and QnA session.

March, 2021

ZS Campus Beats Case Challenge | Launch of Campus Beats 2021

The Campus Beats Case Challenge is a Pan-India 48-hour challenge where registered teams solved a typical business problem to submit their findings to the ZS team. The case challenge had exciting prizes and PPI / PPO. Students must register in teams of three to five members and it is a 48 hours long case challenge. B. Tech / Dual 2022 batch students participated.

March, 2021

Infosys - InfyTQ and HackWithInfy

The programming hackathon was for batch 2022. Students had to showcase programming skills and code the way to prize money worth INR 3.5 lakhs at #HackWithInfy, India with PPO/PPI. The annual CTC offered for the role of Power Programmer role is INR 8 LPA and for the Digital Specialist Engineer role is INR 5 LPA. Regular Salary offer is INR 3.6 LPA. The information was floated for 2022 batch students.

March, 2021

EY GDS announces Hackpions 2.0

EY GDS Hackpions 2.0 was the third edition of the hackathon from the Enablement Services function of EY Global Delivery Services (GDS). Students had to develop tools, apps, bots and other advanced solutions with technologies such as artificial intelligence, cloud and data analytics. Exciting prizes of INR 10,50,000/- with PPOs were offered to the students. The event was open for B.Tech / M. Tech / Dual 2022 batch.

March, 2021

EY India - Year 2021 Better Working World Data Challenge: Fight fire with data?

In close partnership with Microsoft, the challenge aims to tasks students to develop automated fire-edge detection and forecasting model using airborne and satellite imagery from NASA, to help tackle the global threat of bushfires. This challenge is for B. Tech / M. Tech / Dual 2022 batch. The chance to win up to US\$10,000 in cash prizes, The top 60 global finalists were offered mentoring from EY.

March, 2021

Intuit Inc. outreach program 2021

The Tech Webinar sessions were organized by Intuit employees. The focus was on how to leverage technology to solve for customer problems, key elements to consider when working on self-initiated projects and learn how to prepare for the placement season. The Webinars were open for B. Tech / Dual CSE & IT 2022 batch students only.

March, 2021**LinkedIn CoachIn**

LinkedIn is excited to launch the 2nd edition of CoachIn, an initiative to nurture and groom women engineering talent to land their dream job. We believe it is important to get an early start towards investing in your career and with the relevant support we are sure students part of this program will soar to great heights. Four students from Batch 2023 have been selected for this program.

April, 2021**Deloitte - BRIDGE - Demystifying emerging technologies - Session 4 - Emerging tech in digital marketing**

The session included a deep dive into how marketers understand customer behavior; a look at how customer data is collected in real time to create highly personalized and memorable experiences, a live demo of a digital customer journey that infuses technology into marketing. The session was for B. Tech / M. Tech / Dual 2022 Batch.

April, 2021**EY India, Campus Engagement Program**

EY Leadership organized a Campus Engagement Program. The topic was “The Cyber Security Trends to watch out for in 2020’. EY is a global leader in assurance, tax, transaction, and advisory services; they hire and develop the most passionate people in the field to help build a better working world. The event was for 2022 batch students.

April, 2021**Deloitte BRIDGE Campus Learning Series**

Students learnt emerging technology in marketing, storytelling, and elevating the human experience. They are now proud owners of the Session 4 participation badge & also a one-of-its kind learning experience. The session focused on current marketing landscape - a deep dive into customer journeys and customer experiences, a live demo of marketing tools.

April, 2021**KPMG - Thought Leadership Communiqué**

The topics covered in this issue are- ‘Pharmaceuticals: emerging not just stronger, but better and smarter’, ‘The rise of business agility: Potential game changer for organisations in the digital era’ and ‘Building trust: Lessons from Agri field to fork’. Students were shared knowledge links on titles. It was for B. Tech / M. Tech / Dual 2021 Batch.

June, 2021**Wipro-TalentNext-2022 Programme**

Wipro certified faculty will train students who will undergo Java J2EE training through the Project-Based Learning approach to help the student to develop skills through self-learning modules and mentor support to make them future-ready. B. Tech CSE, IT & ECE 2022 batch are eligible for this program. The event is in process.

June, 2021**Workshop on Psychosocial Support for COVID Pandemic Conditions by MGNCRE**

‘Guidance for Psychosocial Counselling and COVID Helper Skills workshop’ was arranged in collaboration

with MGNCRE (Mahatma Gandhi National Council of Rural Education) - Dept of Higher Education, GoI to help in forming COVID Helper Teams and start the work for the betterment of the country in this hour of crisis by staying at home. The session was arranged for about 150 volunteer students.

June, 2021

Cognizant Mass Recruitment Drive - Cognizant Leader Connect Programme

As a run-up to Cognizant Mass Recruitment Drive for 2022 batch, the company organized the Cognizant Leader Connect Programme. The program was delivered by Mr. Naresh Kumar Ashok Kumar, Chief Architect-Technology, RCGTH-Tech & Arch. It was one hour session attended by approx 1000 students of batch 2022 from all JUs.

Placement Status : MBA Batch 2019-21

Specialisation	Participating Students	No. of Offers	% of Total Offers	Absolute Offers	% of Absolute Offers
Marketing	15	12	80%	12	80%
Finance	10	9	90%	8	80%
HR	4	4	100%	4	100%
Total	29	25	86%	24	83%

Placement Highlights MBA Batch 2019-21. Eminent companies like HCL Technologies, Byjus, Zycus, Jaro Education, ExtraMarks Education, Nivesh Global, Inalsa, FinEdge, 99Acres.com, Gradeup, Future Generali, Justdial.com, Indus Valley Partners, RGF India, Protiviti, GreyB, Crowe Horwath IT Services, Dure Technologies, Berger Paints, etc. offered final placements with competitive profile and compensation.

FINANCIAL STATUS

The Audited Balance sheet is attached as **Appendix-C**.

DETAILS OF INFRASTRUCTURE

Total Built Up Area Statement

S. No	Name of the Building	Covered Area (In Sqm)
Admin. & Acad. Block		
1	Aryabhata Bhawan I/1,2	5195
2	Aryabhata Bhawan I/3	2688
3	Aryabhata Bhawan I/4	2676
4	Aryabhata Bhawan I/5 (Basement area 13828.84sqft included)	4173
5	Aryabhata Bhawan II (Basement area 23487.04sqft included)	18852
6	ABB III (Lower ,& Upper Basement, First & Second Floor)	11960
Total Admin. & Acad. Area=		45544
Hostels		
1	Hostel Block, H1	4167
2	Hostel Block, H2	2133
3	Hostel Block, H3	4179
4	Hostel Block, H4	4179
5	Hostel Block, H5	4179
6	Hostel Block, H6,7,8,9,10,11 (ABB III)	23000
Total Hostel Area=		41836
Faculty Residences		
1	Faculty Residence R2 Block	3238
2	Faculty Residence R3 Block	3111
3	Director Residence	384
4	Worker's Housing (Basement area 3789sqft included)	1410
Total Faculty Residential Area=		8142
Facilities		
1	Annapurna Building (Basement area 8918sqft included)	4574
2	Sports Complex (Basement area 6135sqft included)	1695
3	ABB-III (Community Floors & Cafeteria)	8052
Total Facilities Area=		14321
Miscellaneous		
1	Gate No.1	63
3	Gate No.3	32
4	Electrical Sub Station	451

S. No	Name of the Building	Covered Area (In Sqm)
5	Electrical Sub Station Extension	545
7	Parking Basement	5677
	Total Miscellaneous Area=	6768
	SEC. 128 Campus	
1	Academic Block	24998
	Total Sec. 128 Area=	24998
	TOTAL BUILT UP AREA OF SEC. 62 & 128 CAMPUS =	141610

INFRASTRUCTURE DETAILS OF JIT, SEC.62 AND SEC.128 CAMPUS

S.No	Room type	Carpet area (In Sqm)
1	Classrooms & Tutorial Room	7747
2	Laboratories	6691
3	Computer Centre	868
4	Seminar Halls	1263
5	Workshop	650
6	Drawing Hall	615
7	Library and Reading Room	6500
8	Auditorium	3618
9	Boys Common Room	522
10	Boys' Hostel	10446
11	First Aid cum Sick Room	149
12	Others	30
13	Girls Common Room	290
14	Guest House	2176
15	Girls' Hostel	7042
16	Cafeteria	6226
17	Principal's Quarter	383.97
19	Sports Club	7556
20	Stationery Store	58.3
21	Toilets	1222
22	Principal / Director's Office	267
23	Security	96
24	Exam Control Office	186
25	Maintenance	4290
26	Pantry for Staff	189
27	Other Office	109
28	Reception Area	50
29	Board Room	182
30	Cabins for Head of Dept	404
31	Faculty Rooms	3555
33	Offices All Inclusive	595
34	Central Store	537
35	Housekeeping	74
36	Placement Office	413

INSTRUCTIONAL AREAS OF JIT, SEC.62 AND SEC.128 CAMPUS

S.No.	Description	Nos
1	Classrooms (UG)	55
2	Classrooms (UG)	29
3	Tutorial Rooms	16
4	Seminar Rooms	7
5	Electronics Labs	32
6	Computer Labs	46
7	Physics Labs	7
8	Biotech Labs	15
9	Language Labs	2
10	Management Lab	1
11	Workshop	2
12	Engineering Drawing	2

Facilities & Utilities (At Sec-62)

Banking

The University has tie up with YES Bank & IDBI Bank for opening the savings accounts.

One ATM machine is installed by ICICI Bank at Security Gate No. 3..

Photocopy facility

The facility of photocopy is available in ABB-I against payment.

Medical

The University has a well-equipped dispensary with residential doctors and has tie-up with corporate hospitals for medical treatment.

A counselor visits the campus on every Monday and Wednesday and is present in the dispensary.

Sports:

Outdoor

There is provision of flood lights for playing the following outdoor sports.

Basketball, Lawn Tennis, Badminton, Volleyball & Football

Indoor

Swimming Pool (Boys & Girls)	Pools with adequate no. of showers, change rooms, water filtration and chlorination facilities.
Squash Courts	Four glass-back courts
Billiards	A billiards and snooker table is installed in Indoor Sports Complex.
Pool Table	Pool table is also available for students.
Table Tennis	5 TT tables are installed in Indoor Sports Complex.
Carom & Chess	Each hostel has a separate carom & chess lounge.
Boys Gym	A well equipped gym with Treadmills, Cross Trainer and multi gym equipments.
Girls Gym	A well equipped girls gym with Cross Trainer, Treadmills and a multi-gym

Details of Transport

Institute has 5 cars, 1 mini bus, 1 ambulance van, 1 fire-tender.

Utilities

Include Laundry, AC Plant, 100% power back-up with DG sets (910 KVA each – Nos. 3 & 1010 KVA - Nos. 1), Water Filtration Plant, Boiler for hot water supply in the hostels, Dispensary with boys & girls wards and isolation ward with 2 beds each, covered platform for stage and a public address system.

Facilities & Utilities (At Sec-128)

Banking

The University has a tie up with Yes Bank for opening the savings account.

Two ATM machines are installed by Axis Bank at Sector 128.

Photocopy facility

The facility of photocopy is available in the LRC.

Medical

There is a well equipped dispensary with 24 x 7 availability of doctors at Sector 128 (JAL Complex) with ambulance service. There is a tie-up with corporate hospitals for medical treatment.

Sports:

Basketball court	1
Volleyball courts	2
Tennis court	1
Football field	1
Multipurpose field (cricket)	1
Cricket nets	available
Squash courts (glass back)	2
Swimming pool (25 m)	1
Gym (boys)	1
Gym (girls)	1
Badminton court	3
Table tennis tables	4
Carrom , chess	available

Details of Transport

Buses are hired on payment basis within NCR for students. However, in view of the COVID-19 pandemic, no buses were hired for the Academic Year 2020-21.

LIST OF FACULTY

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
1	JITC928	PROF. S.C. SAXENA	PRO-CHANCELLOR	BE(1970), ME (1973), Ph.D. (1977)	01-Jul-11
2	JIT1923	PROF. YOG RAJ SOOD	VICE-CHANCELLOR	PHD (2003) M.E(1987)	14-Jun-21
3	JIT1895	PROF. RENU LUTHRA	VICE PROVOST	B.A. (1977), M.B.A. (1979), Ph.D (2002)	03-Sep-19
4	JITC918	PROF. HARI OM GUPTA	DIRECTOR-SECTOR-128	BE (1972), ME(1975), Ph.D. (1980)	20-Dec-11
5	JIT1003	PROF. D.K. RAI	DEAN (A&R)	B.Sc.(1986), M.Sc.(1988), Ph.D.(1994).	02-May-01
6	JIT1486	PROF. ALKA SHARMA	DEAN (HUMANITIES)	B.Sc. (1983), MA(1986), M.Phil.(1988), Ph.D.(1995)	27-Jun-11
DEPARTMENT OF BIOTECHNOLOGY					
SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
7	JIT1404	PROF. PAMMI GAUBA	PROF.	B.Sc.(1982), M.Sc.(1983), Ph.D.(1988)	10-Jul-10
8	JIT1024	PROF. NEERAJ WADHWA	PROF.	B.Sc.(1984), M.Sc.(1986) , Ph.D.(1994)	05-Jul-02
9	JIT1072	PROF. S.KRISHNA SUNDARI	PROF.	B.Sc.(1991), M.Sc.(1993), Ph.D.(1999).	18-Jun-03
10	JIT1157	PROF. SUDHA SRIVASTAVA	PROF.	B.Sc.(1991), M.Sc.(1993), M.Phil.(1994), Ph.D.(2002)	28-Oct-04
11	JIT1215	PROF. SUJATA MOHANTY	PROF.	B.Sc.(1984),M.Sc.(1986), Ph.D.(1992)	16-Feb-06
12	JIT1136	PROF. INDIRA P SARETHY	PROF.	B.Sc.(1992), M.Sc.(1994), Ph.D(2001)	05-Jul-04
13	JIT1155	PROF. REEMA GABRANI	PROF.	B.Sc.(1991), M.Sc.(1993), Ph.D.(1998)	01-Sep-04
14	JIT1267	PROF. VIBHA RANI	PROF.	B.Sc.(1996), M.Sc.(1998), M.Phil.(2001), Ph.D.(2005)	16-Dec-06
15	JIT1353	DR. RACHANA	PROF.	B.Sc.(1996), M.Sc.(1998), Ph.D.(2005)	15-Jun-09
16	JIT1346	DR. SHWETA DANG	ASSO PROF	B.Pharma (1998), M.Pharma. (2001), Ph.D.(2006)	10-Feb-09
17	JIT1438	DR. ASHWANI MATHUR	ASSO PROF	B.Sc.(2000), M.Sc.(2002), Ph.D.(2009)	15-Dec-10
18	JIT1402	DR. SMRITI GAUR	ASSO PROF	B.Sc.(2001), M.Sc.(2003), Ph.D.(2010)	10-Mar-10
19	JIT1430	DR. SHALINI MANI	ASSO PROF	B.Sc.(2000), M.Sc.(2002), Ph.D.(2010)	12-Aug-10

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
20	JiIT1482	DR. VIBHA GUPTA	ASSO PROF	B.Sc.(1987), M.Sc.(1990), Ph.D.(1998)	27-Jun-11
21	JiIT1078	DR. CHAKRESH KUMAR JAIN	AP (SG)	B.Sc.(1993), M.Sc.(1997), AIS(2001), MCA(2006), Ph.D. (2011), ALCCS-IETE(2011)	07-Jul-03
22	JiIT1464	DR. PRIYADARSHINI	AP (SG)	B.Sc.(1998), M.Sc.(2001), Ph.D.(2010)	01-Jul-11
23	JiIT1187	DR. SUSINJAN BHATTACHARYA	AP (SG)	B.Sc.(1996), M.Sc.(1999), Ph.D(2002)	27-Jul-05
24	JiIT1439	DR. GARIMA MATHUR	AP (SG)	B.Sc.(2000), M.Sc.(2002), Ph.D.(2008)	21-Dec-10
25	JiIT1906	DR. SHAZIA HAIDER	AP (G-II)	B.Sc (2004), M.Sc (2006), Ph.D (2015)	02-Dec-19
26	JiIT1322	MS. MANISHA SINGH	AP (G-II)	BPT(2004), MPT(2007)	15-Jul-08
27	JiIT1905	DR. SONAM CHAWLA	AP (G-II)	B.Tech (2008), M.Tech (2010), Ph.D (2018)	27-Nov-19
28	JiIT1717	MS. EKTA BHATT	ASSO LECT	B.SC (2006), M.SC(2008)	02-Aug-16
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING & INFORMATION TECHNOLOGY					
29	JiIT1204	PROF. VIKAS SAXENA	PROF.	B.Tech.(2000), M.E.(2002), Ph.D.(2009)	01-Oct-05
30	JiIT1068	PROF (DR). KRISHNA ASAWA	PROF.	B.Sc.(1993), MCA(1996), Ph.D.(2002)	30-May-03
31	JiIT1462	DR. SATISH CHANDRA	PROF.	B.E. (1997),M.Tech. (2002), Ph.D (2010)	01-Jul-11
32	JiIT1058	DR. SANDEEP KUMAR SINGH	PROF.	B.Sc.(1997), PGDM(1999), 'B' Level(2001), MCA (2002), Ph.D.(2011)	01-Jan-04
33	JiIT1491	DR. CHARU	ASSO PROF	B.Tech. (2003), M.Tech. (2005), Ph.D. (2011)	12-Aug-11
34	JiIT1156	DR. PRAKASH KUMAR	ASSO PROF	B.E.(1993), M.Tech.(2000), Ph.D(2017)	14-Oct-04
35	JiIT1392	DR. CHETNA GUPTA	ASSO PROF	BE (2004), M.Tech. (2006), Ph.D. (2011)	11-Dec-09
36	JiIT1532	DR. NEETU SARDANA	ASSO PROF	B.Sc. (1997), MCA (2001), Ph.D. (2011)	28-Jul-12
37	JiIT1137	DR. SHIKHA K MEHTA	ASSO PROF	B.Sc.(1998), MBA(2000), WDA(2001), M.Tech.(2003), Ph.D (2013).	09-Jul-04
38	JiIT1150	DR. ANUJA ARORA	ASSO PROF	B.Sc.(2001), M.Sc.(2003), Diploma in C, C++(2003), MS (2009), Ph.D. (2013)	16-Aug-04
39	JiIT1517	DR. DEVPRIYA SONI	ASSO PROF	B.Sc. (1998), MCA (2002), Ph.D. (2011)	04-Jul-12
40	JiIT1213	DR. MANISH KUMAR THAKUR	ASSO PROF	BE(1998), M.Tech.(2004). Ph.D.(2014).	16-Jan-06

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
41	JIIT1616	DR. MUKESH SARASWAT	ASSO PROF	B.E. (2001), M.Tech. (2010), Ph.D. (2013)	23-Jul-14
42	JIIT1121	DR. TRIBHUWAN KUMAR TEWARI	ASSO PROF	B.Sc.(1998), B.E. (2003), M Tech.((2007), Ph.D. (2015)	12-Jan-04
43	JIIT1223	DR. CHETNA DABAS	ASSO PROF	B.Sc.(1998),M.Sc.(2000), M.Tech(2001), Ph.D.(2011).	17-May-06
44	JIIT1572	DR. DHARMVEER SINGH RAJPOOT	ASSO PROF	BE (2005), M.Tech(2008), Ph.D. (2013)	08-Jul-13
45	JIIT1288	DR. SANGEETA MITTAL	ASSO PROF	B.Tech.(2000), M.Tech.(2007), Ph.D. (2015)	02-Aug-07
46	JIIT1229	DR. SUMA DAWN	AP (SG)	BE(2002), M.Tech.(2005), Ph.D. (2015)	10-Jul-06
47	JIIT1547	DR. ADWITIYA SINHA	AP (SG)	BCA (2006), MCA (2008), M.Tech. (2011), Ph.D. (2015)	18-Feb-13
48	JIIT1021	DR. BHARAT GUPTA	AP (SG)	BE(1999), M.Tech.(2000), Ph.D.(2015)	01-Jul-02
49	JIIT1088	DR. MUKTA GOYAL	AP (SG)	B.Tech.(1995), M.Tech.(1999) Ph.D(2016)	11-Aug-03
50	JIIT1051	DR. K. RAJALAKSHMI	ASSO PROF	BE(2000), ME(2001) Ph.D(2016)	07-Jan-03
51	JIIT1219	DR. KAVITA PANDEY	AP (SG)	BE(2002), M.Tech.(2003). Ph.D(2017)	11-Apr-06
52	JIIT1670	DR. TAJ ALAM	AP (SG)	B.Tech. (2009), M.Tech. (2012), Ph.D. (2017)	19-Feb-15
53	JIIT1355	DR. SHIKHA JAIN	AP (SG)	B.Tech.(2003), M.Tech. (2007),Ph.D(2016)	01-Jul-09
54	JIIT1174	DR. HEMA N	AP (SG)	BE(2000), M.Tech.(2003). Ph.D.(2018).	04-Jun-05
55	JIIT1784	DR. ANKITA VERMA	AP (SG)	B.Tech(2011), M.Tech.(2014), Ph.D (2018)	16-Sep-17
56	JIIT1324	DR. PARMEET KAUR	AP (SG)	BE(1998), M.Tech. (2008) Ph.D(2016)	25-Jul-08
57	JIIT1299	DR. ARCHANA PURWAR	AP (SG)	B.Sc.(1999), MCA(2003), M.Tech.(2007), Ph.D (2018)	01-Feb-08
58	JIIT1695	DR. HIMANI BANSAL	AP (SG)	BE (2006), M.Tech. (2013), Ph.D. (2018)	08-Jan-16
59	JIIT1718	DR.PAYAL KHURANA BATRA	AP (SG)	B.E. (2004), M.E(2009), Ph.D(2017)	11-Aug-16
60	JIIT1740	DR. AMARJEET	AP (SG)	B.Tech. (2004), M.Tech. (2011)Ph.D. (2017)	25-Jan-17
61	JIIT1715	DR. POTUKUCH RAGHU VAMSI	AP (SG)	B.E. (2003), M.Tech(2007), Ph.D(2016)	25-Jul-16
62	JIIT1811	DR. SHRUTI JAISWAL	AP (SG)	B.Tech. (2017), M.Tech. (2009)Ph.D (2018)	16-Jun-18

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
63	JiIT1813	DR. NEERAJ JAIN	AP (SG)	B.Tech. (2007), M.Tech. (2010)Ph.D (2018)	16-Jun-18
64	JiIT1824	DR. ANKIT VIDYARTHI	AP (SG)	B.Tech. (2008), M.Tech. (2011)Ph.D (2017)	18-Jun-18
65	JiIT1807	DR. RASHMI KUSHWAH	AP (SG)	B.Tech. (2006), M.Tech. (2009)Ph.D (2018)	16-Jun-18
66	JiIT1423	DR. DHANALEKSHMI G	AP (SG)	B.Tech. (1995), M.Tech. (2002), Ph.D (2018)	10-Jul-10
67	JiIT1857	DR. ANITA SAHOO	AP (SG)	B.E. (1998), M.Tech. (2010), Ph.D (2017)	01-Jan-19
68	JiIT1868	DR. MANJU	AP (SG)	B.E (2006), MS (2009), PhD (2018)	01-Feb-19
69	JiIT1870	DR. SHAILESH KUMAR	AP (SG)	B.Tech (2009), M.Tech (2013), Phd (2019)	01-Feb-19
70	JiIT1135	DR. ARTI JAIN	AP (SG)	B.Sc.(1998), MCA(2001). MS (2009), PhD (2019)	02-Jul-04
71	JiIT1228	DR. INDU CHAWLA	AP (SG)	BE(2000), M.Tech(2006), PhD (2019)	04-Jul-06
72	JiIT1508	DR. NIYATI AGGRAWAL	AP (SG)	B.Tech.(2006), M.Tech. (2010), PhD (2019)	13-Feb-12
73	JiIT1570	DR. PARUL AGARWAL	AP (SG)	B.Tech. (2010), M.Tech. (2012), Ph.D (2019)	08-Jul-13
74	JiIT1366	DR. K. VIMAL KUMAR	AP (SG)	BE(2004), ME(2007), Ph.D (2019)	15-Jul-09
75	JiIT1879	DR. ASHISH MISHRA	AP (SG)	B.E. (2003), M.Tech. (2009) Ph.D (2018)	15-Jul-19
76	JiIT1880	DR. ALKA SINGHAL	AP (SG)	B.Tech (2005), M.E(2008), Ph.D(2018)	10-Jul-19
77	JiIT1881	DR. SWATI GUPTA	AP (SG)	B.Tech. (2011), M.Tech. (2014)Ph.D (2019)	13-Jul-19
78	JiIT1408	DR. MEGHA RATHI	AP (SG)	B.Tech.(2005), M.Tech. (2010), Ph.D (2019)	05-Jul-10
79	JiIT1550	DR. RAJU PAL	AP (SG)	B.Tech.(2009), M.Tech. (2012), PhD (2019)	15-Feb-13
80	JiIT1869	DR. VIVEK KUMAR SINGH	AP (SG)	B.Tech (2012), M.Tech (2015), Phd (2019)	01-Feb-19
81	JiIT1546	DR. ARPITA JADHAV BHATT	AP (SG)	B.E. (2008), M.E. (2010), Ph.D(2019)	18-Feb-13
82	JiIT1915	DR. BHAWNA SAXENA	AP (SG)	B.Tech(2001), M.E.(2002), Ph.D(2020)	01-Jul-20
83	JiIT1220	DR. PAWAN KUMAR UPADHYAY	AP (SG)	B.Sc.(2000), M.Sc.(2002), M.Tech.(2005), Ph.D(2020)	10-Apr-06
84	JiIT1548	DR. HIMANSHU MITTAL	AP (SG)	B.Tech.(2010), M.Tech. (2012), Ph.D(2020)	14-Feb-13

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
85	JIIT1515	DR. AMANPREET KAUR	AP (SG)	B.Tech.(2006), M.Tech. (2009), Ph.D(2020)	10-Jul-12
86	JIIT1863	DR. SHILPA BUDHKAR	AP (SG)	B.E.(2010), PHD(2019)	11-Jan-19
87	JIIT1888	DR. SULABH TYAGI	AP (SG)	B.Tech (2005), M.Tech (2008), Phd (2020)	19-Jul-19
88	JIIT1604	MR. PRASHANT KAUSHIK	AP (G-II)	B.Tech. (2003), M.Tech. (2008)	01-Oct-13
89	JIIT1716	MS.SHERRY GARG	AP (G-II)	B.Tech(2008),M.E(2011)	03-Aug-16
90	JIIT1501	MS. ANUBHUTI RODA MOHINDRA	AP (SG)	B.Tech.(2007), MS (2008) (PH.D-2021)	02-Jan-12
91	JIIT1514	MS. AMBALIKA SARKAR	AP (G-II)	B.Tech.(2006), M.Tech. (2010)	02-Jul-12
92	JIIT1518	MR. GAURAV KUMAR NIGAM	AP (G-II)	B.Tech.(2005), M.Tech. (2009)	02-Jul-12
93	JIIT1742	MS. MRADULA SHARMA	AP (G-II)	B.Tech. (2007), M.Tech. (2012)	06-Feb-17
94	JIIT1741	MS. AMARJEET KAUR	AP (G-II)	B.E (2005), M.Tech. (2010)	06-Feb-17
95	JIIT1530	MR. PULKIT MEHNDIRATTA	AP (SG)	B.Tech.(2010), M.Tech. (2012) (PH.D(2021)	20-Jul-12
96	JIIT1497	MR. HIMANSHU AGRAWAL	AP (G-II)	B.E.(2007), M.Tech. (2011)	10-Dec-11
97	JIIT1538	MS. ANURADHA GUPTA	AP (G-II)	B.Tech.(2008), M.Tech. (2012)	19-Nov-12
98	JIIT1554	MS. SHARDHA PORWAL	AP (SG)	Diploma-IT (2004), B.Tech. (2007), M.Tech. (2012) PHD.2021	25-Feb-13
99	JIIT1557	MS. SAKSHI GUPTA	AP (SG)	B.Tech.(2010), M.Tech. (2012) PH.D(2021)	11-Mar-13
100	JIIT1575	MS. ANKITA	AP (G-II)	B.Tech. (2011), M.Tech. (2013)	08-Jul-13
101	JIIT1587	MR. BANSIDHAR JOSHI	AP (G-II)	B.Tech. (2009), M.Tech. (2011)	12-Jul-13
102	JIIT1569	MS. AKANKSHA MEHNDIRATTA	AP (G-II)	Dual Degree (B.Tech.-M. Tech.)-(2013)	09-Jul-13
103	JIIT1606	MS. KRITIKA RANI	AP (G-II)	Diploma in CSE (2008), B.Tech. (2011), M.Tech. (2013)	26-Dec-13
104	JIIT1663	MS. VARSHA GARG	AP (G-II)	B.Tech. (1992), M.Tech. (2010)	15-Jan-15
105	JIIT1573	MS. ADITI SHARMA	AP (G-II)	B.Tech. (2011), M.Tech. (2013)	08-Jul-13
106	JIIT1579	MS. SOMYA JAIN	AP (G-II)	B.Tech. (2010), M.Tech. (2013)	08-Jul-13
107	JIIT1582	MR. MAHENDRA KUMAR GURVE	AP (G-II)	B.E (2010), M.Tech. (2013)	11-Jul-13

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
108	JIIT1812	MS. SONAL	AP (G-II)	B.Tech (2011), M.Tech (2013), Ph.D(Pursuing)	20-Jun-18
109	JIIT1830	MR. VIKAS HASSIJA	AP (G-II)	B.Tech (2010), MS (2014), Ph.D(Pursuing)	16-Jul-18
110	JIIT1696	MR. SHARIQ MURTUZA	AP (G-II)	B.Tech. (2013), M.Tech. (2015)	09-Jan-16
111	JIIT1694	MR. PRANTIK BISWAS	AP (G-II)	B.Tech. (2010), M.Tech. (2015)	08-Jan-16
112	JIIT1783	MS. DEEPTI	AP (G-II)	B.Tech(2011), M.Tech.(2014)	21-Sep-17
113	JIIT1867	MS. VARTIKA PURI	AP (G-II)	B.Tech (2009), M.Tech (2013), Phd (PURSUING)	01-Feb-19
114	JIIT1876	MR. NITIN SHUKLA	AP (G-II)	B.Tech (2008), M.Tech (2014), Phd (THESIS SUBMITTED)	10-Jul-19
115	JIIT1667	MR. KASHAV AJMERA	AP (G-II)	B.E. (2011), M.Tech. (2014)	30-Jan-15
116	JIIT1691	MS. KIRTI AGGARWAL	AP (G-II)	B.Tech. (2011), M.Tech. (2013)	01-Jan-16
117	JIIT1772	MR. RUPESH KUMAR KOHARIYA	AP (G-II)	B.Tech(2012), M.Tech.(2015)	16-Aug-17
118	JIIT1769	MS. SARISHTY GUPTA	AP (G-II)	B.Tech(2013), M.Tech.(2016)	03-Aug-17
119	JIIT 1925	DR. APEKSHA AGGARWAL	AP (SG)	PH.D(2014),M.TECH(2020)	01-Jun-21
120	JIIT 1926	DR.VIKAS	AP (SG)	M.TECH(2015), PH.D(2021)	01-Jun-21
121	JIIT1932	DR.JYOTI	AP (G-II)	PH.D(2019), M.TECH(2015)	09-Jun-21
122	JIIT1934	MS.PRATISHTHA VERMA	AP (G-II)	M.TECH(2017), PH.D(PURSUING)	16-Aug-21
123	JIIT1935	MR.SURENDRA KUMAR	AP (G-II)	B.TECH(2012),M.TECH(2017)	16-Aug-21
124	JIIT1936	DR.NISHTHA AHUJA	AP (G-II)	M.TECH(2014) PH.D(2021)	16-Aug-21
125	JIIT1937	DR. JASPAL KAUR SAINI	AP (SG)	M.TECH(2013) PH.D(2021)	16-Aug-21
126	JIIT 1938	DR. NAVEEN KUMAR GUPTA	AP (SG)	M.TECH(2014) PH.D(2020)	28-Aug-21
127	JIIT1939	MR. ASHISH KUMAR	AP (G-II)	M.TECH(2013) PH.D(PURSING)	01-Sep-21
128	JIIT1300	MS. PURTEE KOHLI	AP (G-I)	B.Sc.(1998), MCA(2000), M.Phil. (2008)	01-Feb-08
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING					
129	JIIT1627	PROF. SHWETA SRIVASTAVA	PROF.	B.Tech. (1998), Ph.D. (2002)	18-Jul-14
130	JIIT1460	DR. JITENDRA MOHAN	ASSO PROF	B.Tech. (2001), M.Tech. (2005), Ph.D. (2011)	01-Jul-11
131	JIIT1443	DR. SAJAI VIR SINGH	ASSO PROF	BE (1998), ME(2002), Ph.D. (2011)	03-Jan-11
132	JIIT1154	DR. VINEET KHANDELWAL	ASSO PROF	BE(1999), M.Tech.(2003). Ph.D. (2014)	04-Oct-04

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
133	JIIT1321	DR. VIVEK KUMAR DWIVEDI	ASSO PROF	BE(2003), ME(2006), Ph.D. (2012)	01-Jul-08
134	JIIT1674	DR. ABHINAV GUPTA	ASSO PROF	B.Tech.(2000), M.Tech. (2004), Ph.D. (2013)	01-Jun-15
135	JIIT1118	DR. ASHISH GOEL	ASSO PROF	B.Tech.(2002), M.Tech.(2005). Ph.D.(2013).	05-Jan-04
136	JIIT1186	DR. VIJAY KHARE	ASSO PROF	BE(1998), M.Tech.(2000), Ph.D.(2013)	15-Jul-05
137	JIIT1405	DR. ALOK JOSHI	ASSO PROF	B.Tech. (2001), M.Tech. (2006), Ph.D. (Dec. 2014)	12-Jul-10
138	JIIT1602	DR. MEGHA AGARWAL	ASSO PROF	B.Tech. (2007), M.Tech. (2009), Ph.D. (2013)	21-Sep-13
139	JIIT1269	DR. JASMINE SAINI	ASSO PROF	BE(2000), ME(2004), Ph.D. (2014)	30-Dec-06
140	JIIT1555	DR. BHARTENDU CHATURVEDI	ASSO PROF	B.Tech. (2005), M Tech. (2008), Ph.D. (2014)	23-Feb-13
141	JIIT1291	DR. RICHA GUPTA	ASSO PROF	BE(2003), M.Tech.(2005). Ph.D. (2013)	16-Aug-07
142	JIIT1500	DR. MADHU JAIN	ASSO PROF	BE (2003), M.Tech.(2009), Ph.D. (2015)	04-Jan-12
143	JIIT1060	DR. SHAMIM AKHTER	ASSO PROF	B.Tech.(2001), M.Tech. (2002), Ph.D. (2015)	07-Apr-03
144	JIIT1283	DR. RAHUL KAUSHIK	AP (SG)	B.Sc.(1998), B.Tech.(2001), M.Tech.(2003).Ph.D(2017)	05-Jul-07
145	JIIT1027	DR. PANKAJ KUMAR YADAV	AP (SG)	Diploma Engg.(1994), AMIETE(1999), M.Tech. (2001)PH.D(2016)	15-Jul-02
146	JIIT1183	DR. REEMA BUDHIRAJA	AP (SG)	BE(2002), ME(2005), Ph.D (2018).	15-Jul-05
147	JIIT1399	DR. SATYENDRA KUMAR	AP (SG)	BE(1998), M.Tech.(2002), Ph.D (2018)	16-Jan-10
148	JIIT1326	DR. SHRUTI KALRA	AP (SG)	B.Tech.(2005), M.Tech.(2007), Ph.D (2018)	01-Aug-08
149	JIIT1233	DR. KIRMENDER SINGH	AP (SG)	B.E(1994), M.Tech.(2010), Ph.D (2018)	01-Jul-04
150	JIIT1419	DR. KAPIL DEV TYAGI	AP (SG)	Diploma - EC (2000), B.Tech. (2003), M.Tech. (2010) Ph.D(2016)	01-Jul-10
151	JIIT1682	DR. GARIMA KAPUR	AP (SG)	B.E (2006), M.Tech. (2009). Ph.D. (2016)	01-Sep-15
152	JIIT1762	DR. KULDEEP BADERIA	AP (SG)	B.Tech (2008), M.Tech(2011), Ph.D(2016)	24-Jul-17
153	JIIT1751	DR. ARCHANA PANDEY	AP (SG)	B.Tech (2010), M.Tech(2012), Ph.D(2017)	08-Jul-17

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
154	JiIT1761	DR. ASHISH GUPTA	AP (SG)	B.Tech (2008), M.Tech(2010), Ph.D(2017)	24-Jul-17
155	JiIT1765	DR. BAJRANG BANSAL	AP (SG)	B.Tech (2005), M.Tech(2008), Ph.D(2017)	25-Jul-17
156	JiIT1753	DR. VIMAL KUMAR MISHRA	AP (SG)	B.Tech. (2009), M.Tech. (2012), Ph.D(2017)	14-Jul-17
157	JiIT1764	DR. KAUSHAL KUMAR NIGAM	AP (SG)	B.Tech. (2009), M.Tech. (2011), Ph.D (2018)	20-Jul-17
158	JiIT1585	DR. GAURAV VERMA	AP (SG)	B.Tech. (2005), M.Tech. (2012), Ph.D (2018)	15-Jul-13
159	JiIT1821	DR. PARUL ARORA	AP (SG)	B.Tech.(2003), M.Tech. (2010), Ph.D (2018)	18-Jun-18
160	JiIT1819	DR. ATUL KUMAR	AP (SG)	B.E.(2007), M.Tech. (2010), Ph.D (2018)	16-Jun-18
161	JiIT1826	DR. SAURABH CHATURVEDI	AP (SG)	B.Tech.(2005), M.Tech. (2008), Ph.D (2018)	16-Jun-18
162	JiIT1360	DR. JUHI	AP (SG)	B.E.(2005), M.E.(2008), Ph.D (2018)	06-Jul-09
163	JiIT1820	DR. HEMANT KUMAR	AP (SG)	B.E (2009), M.E. (2011), Ph.D (2018)	19-Jun-18
164	JiIT1566	DR. ABHISHEK KASHYAP	AP (SG)	B.Tech. (2009), M.Tech. (2013), Ph.D (2018)	08-Jul-13
165	JiIT1818	DR. BHAGIRATH SAHU	AP (SG)	B.E. (2010), M.Tech. (2013), Ph.D (2018)	19-Jun-18
166	JiIT1763	DR. YOGESH KUMAR	AP (SG)	B.E. (2009), M.Tech. (2013), Ph.D (2018)	19-Jul-17
167	JiIT1862	DR. RACHANA SINGH	AP (SG)	B.Tech (1998), M.Tech (2009), Ph.D (2018)	08-Jan-19
168	JiIT1770	DR.AMIT KUMAR GOYAL	AP (SG)	B.Tech(2013), M.tech(2014), Phd (2019)	04-Aug-17
169	JiIT1822	DR. NEETU JOSHI	AP (SG)	B.E. (2006), M.Tech. (2009), Ph.D (2019)	18-Jun-18
170	JiIT1362	DR. NEETU SINGH	AP (SG)	B.Tech.(2006), M.Tech.(2008), Ph.D (2019)	06-Jul-09
171	JiIT1815	DR. AJAY KUMAR	AP (SG)	B.Tech. (2009), M.Tech. (2014), Ph.D (2019)	16-Jun-18
172	JiIT1893	DR. AKANSHA BANSAL	AP (SG)	B.Tech. (2009), M.Tech. (2012), Ph.D (2017)	14-Aug-19
173	JiIT1638	DR. RUBY BENIWAL	AP (SG)	Diploma-ECE (2000), B.Tech. (2007), M.Tech. (2011), Ph.D (2020)	16-Aug-14
174	JiIT1231	MR. ATUL KUMAR SRIVASTAVA	AP (G-II)	B.Tech.(1998), MS(2002).	08-Jul-06
175	JiIT1083	MS. BHAWNA GUPTA	AP (G-II)	B.Tech.(2001), M.Tech.(2003).	19-Jul-03

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
176	JIIT1075	MS. SMRITI BHATNAGAR	AP (G-II)	B.Tech.,(1990),ME(1994)	01-Jul-03
177	JIIT1424	MR. B. SURESH	AP (G-II)	B.Tech., (2006), M.Tech. (2010)	09-Jul-10
178	JIIT1567	MS. MONIKA	AP (G-II)	B.Tech. (2004), M.Tech. (2010), Ph.D. (Pursuing)	08-Jul-13
179	JIIT1549	MR. VINAY ANAND TIKKIWAL	AP (G-II)	B.E. (2005), M.S. (2012)	14-Feb-13
180	JIIT1521	MS. PRIYANKA KWATRA	AP (G-II)	B.Tech. (2009), M.Tech. (2012)	03-Jul-12
181	JIIT1689	MR. MANDEEP SINGH NARULA	AP (G-II)	B.Tech. (2005), M.Tech. (2008)	29-Oct-15
182	JIIT1520	MR. VISHAL NARAIN SAXENA	AP (G-II)	B.Tech. (2009), M.Tech. (2011)	04-Jul-12
183	JIIT1519	MS. SHRADHA SAXENA	AP (G-II)	B.Tech. (2007), M.Tech. (2012)	09-Jul-12
184	JIIT1565	MR. ANKUR BHARDWAJ	AP (G-II)	B.Tech. (2011), M.Tech. (2013)	09-Jul-13
185	JIIT1622	MR. SHIVAJI TYAGI	AP (G-II)	B.Tech. (2008), M.Tech. (2012)	07-Jul-14
186	JIIT1634	MR. RITESH KUMAR SHARMA	AP (G-II)	B.Tech. (2010), M.Tech. (2014)	01-Aug-14
187	JIIT1662	MS. JYOTI VYAS	AP (G-II)	B.E. (2006), M.Tech. (2009)	08-Jan-15
188	JIIT1690	MR. ABHAY KUMAR	AP (G-II)	B.Tech. (2010), M.Tech. (2014)	02-Nov-15
189	JIIT1679	MR. VARUN GOEL	AP (G-II)	B.Tech. (2011), M.Tech. (2014)	14-Aug-15
190	JIIT1738	MR. RAGHVENDA KUMAR SINGH	AP (G-II)	B.Tech. (2012), M.Tech. (2014)	20-Jan-17
191	JIIT1840	MR. PRABHAKAR JHA	AP (G-II)	B.Tech. (2014), M.Tech. (2016)	21-Aug-18
192	JIIT1835	MS. MADHU JHARIYA	AP (G-II)	BE (2009), ME (2014)	21-Aug-18
193	JIIT1836	MR. NITESH KUMAR	AP (G-II)	B.Tech. (2012), M.Tech. (2016)	21-Aug-18
194	JIIT1837	MR. VIMAL SAINI	AP (G-II)	B.Tech. (2015), M.Tech. (2018)	21-Aug-18
195	JIIT1838	MR. DEEPAK KUMAR	AP (G-II)	B.Tech. (2015), M.Tech. (2018)	21-Aug-18
196	JIIT1839	MR. CHANDAN KUMAR	AP (G-II)	B.Tech. (2014), M.Tech. (2018)	21-Aug-18
197	JIIT1841	MR. RAHUL KUMAR	AP (G-II)	B.Tech. (2013), M.Tech. (2018)	21-Aug-18
198	JIIT1884	MS. K. NISHA	AP (G-I)	B.E. (1999), M.E. (2008)	09-Jul-19

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
DEPARTMENT OF MATHEMATICS					
199	JIIT1013	PROF. ALKA TRIPATHI	PROF.	B.Sc.(1988), M.Sc.(1990),, Ph.D.(1995).	17-Sep-01
200	JIITC920	PROF. RAMESH CHAND MITTAL	PROF.	B.Sc (1973), M.Sc (1975), Ph.D (1979)	02-Jul-18
201	JIIT1285	PROF. AMRISH KUMAR AGGARWAL	PROF.	B.Sc.(1987), M.Sc.(1989),B. Ed.(1990), M.Phil.(1992) PGDCA(1993)Ph.D.(2006)	04-Jul-07
202	JIIT1282	PROF. BHAGWATI PRASAD CHAMOLA	PROF.	B.Sc.(1988), M.Sc.(1990), NET(1999), M.Phil.(2001), Ph.D.(2006)	28-Jun-07
203	JIIT1325	DR. LOKENDRA KUMAR	PROF.	B.Sc.(1997), M.Sc.(1999), Ph.D.(2004)	25-Jul-08
204	JIIT1421	DR. AMIT SRIVASTAVA	ASSO PROF	B.Sc.(1996), M.Sc.(1998). Ph.D. (2008)	29-Jun-10
205	JIIT1444	DR. PATO KUMARI	ASSO PROF	B.Sc.(2003), M.Sc.(2005), M.Phil.(2007), Ph.D.(2010)	01-Jan-11
206	JIIT1476	DR. PANKAJ KUMAR SRIVASTAVA	AP (SG)	B.Sc.(1995), M.Sc.(1997). Ph.D. (2010)	01-Jul-11
207	JIIT1594	DR. DINESH CHANDRA SINGH BISHT	AP (SG)	B.Sc.(2002), M.Sc.(2004), Ph.D.(2009)	08-Aug-13
208	JIIT1608	DR. ANUJ BHARDWAJ	AP (SG)	B.Sc.(1998), M.Sc.(2000), Ph.D.(2011).	28-Dec-13
209	JIIT1601	DR. YOGESH GUPTA	AP (SG)	B.Sc.(1996), M.Sc.(1998), Ph.D.(2012).	19-Sep-13
210	JIIT1664	DR. LAKHVEER KAUR	AP (SG)	B.Sc.(2006), M.Sc.(2008), Ph.D.(2013).	19-Jan-15
211	JIIT1727	DR.HIMANSHU AGARWAL	AP (SG)	B.SC (2007) M.SC(2009),Ph.D(2015)	10-Sep-16
212	JIIT1804	DR. PINKEY CHAUHAN	AP (G-II)	B.Sc.(2004), M.Sc.(2006), Ph.D.(2013).	11-Jun-18
213	JIIT1805	DR. AMITA BHAGAT	AP (SG)	B.Sc.(2004), M.Sc.(2006), Ph.D.(2015).	25-Jun-18
214	JIIT1806	DR. NEHA AHLAWAT	AP (G-II)	B.Sc.(2007), M.Sc.(2010), Ph.D.(2017).	11-Jun-18
215	JIIT1854	DR. NEHA SINGHAL	AP (G-II)	B.Sc.(2011), M.Sc.(2013), Ph.D.(2018).	17-Dec-18
216	JIIT1894	DR. MOHD. SARFARAZ	AP (G-II)	B.Sc (2010), M.Sc (2012), Ph.D (2018)	23-Aug-19
217	JIIT1921	DR. VIPIN CHANDRA DUBEY	AP (SG)	B.Sc (2001), M.Sc (2004), Ph.D (2011)	01-Jun-21
218	JIIT1922	DR NISHA	AP (G-II)	B.Sc (2006), M.Tech (2014), Ph.D (2019)	01-Jun-21
219	JIIT 1924	DR. RICHA SHARMA	AP (G-II)	B.Sc (1999), M.Sc (2001), Ph.D (2015)	01-Jun-21

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
220	JIIT1933	DR. SHIKHA PANDEY	AP (G-I)		28-Jun-21
DEPARTMENT OF PHYSICS & MATERIAL SCIENCE & ENGINEERING					
221	JITC919	PROF. S. C. KATYAL	PROF.	B.Sc.(1973), M.Sc.(1975), Ph.D.(1981).	03-May-18
222	JIIT1039	PROF. ANIRBAN PATHAK	PROF.	B.Sc.(1996), M.Sc.(1998), Ph.D.(2002).	05-Aug-02
223	JIIT1166	PROF. S.P PUROHIT	PROF.	B.Sc.(1984), M.Sc.(1986), Ph.D.(1992).	22-Feb-05
224	JIIT1188	PROF. RAKESH KUMAR DWIVEDI	PROF.	B.Sc.(1985), M.Sc.(1989), M.Tech.(1994), Ph.D.(1999).	28-Jul-05
225	JIIT1131	PROF. NAVNEET KUMAR SHARMA	PROF.	B.Sc.(1995), M.Sc.(1997), Ph.D.(2004).	15-Jun-04
226	JIIT1182	DR. PAPIA CHOWDHURY	PROF.	B.Sc.(1996), M.Sc.(1999), Ph.D.(2005).	11-Jul-05
227	JIIT1227	DR. NAVENDU GOSWAMI	PROF.	B.Sc.(1996), M.Sc.(1999), B.Ed.(2000), Ph.D.(2006).	19-Jun-06
228	JIIT1368	DR. MANOJ KUMAR	ASSO PROF	B.Sc.(2001), M.Sc.(2003), Ph.D.(2008)	09-Jul-09
229	JIIT1395	DR. SUNEET KUMAR AWASTHI	ASSO PROF	B.Sc.(1998), M.Sc.(2003), Ph.D.(2007)	07-Jan-10
230	JIIT1564	DR. VIKAS MALIK	ASSO PROF	B.Sc.(1996), M.Sc.(1998), Ph.D.(2005)	08-Jul-13
231	JIIT1406	DR. SANDEEP CHHOKER	ASSO PROF	B.Sc.(1999), M.Sc.(2003), Ph.D.(2010)	13-Jul-10
232	JIIT1496	DR. ALOK PRATAP SINGH CHAUHAN	AP (SG)	B.Tech. (2002), MS (2005), Ph.D. (2007)	09-Dec-11
233	JIIT1257	DR. AMIT VERMA	ASSO PROF	B.Sc.(1997), M.Sc.(1999), M.Tech.(2002). Ph.D. (2010)	21-Sep-04
234	JIIT1503	DR. PRASHANT KUMAR CHAUHAN	AP (SG)	B.Sc.(1997), M.Sc.(1999), M.Tech.(2000). Ph.D. (2008)	03-Jan-12
235	JIIT1474	DR. BHUBESH CHANDER JOSHI	AP (SG)	B.Sc.(2002), M.Sc.(2004), Ph.D.(2010)	07-Jul-11
236	JIIT1499	DR. ANSHU DHIRENDRA VARSHNEY	AP (SG)	B.Sc.(1998), M.Sc.(2000), Ph.D.(2010)	27-Dec-11
237	JIIT1777	DR. ANURAJ PANWAR	AP (SG)	B.Sc (2000), M.SC.(2002), M. PHIL (2004), Ph.D(2010)	21-Aug-17
238	JIIT1776	DR. DINESH TRIPATHI	AP (SG)	B.Tech (2003), M.Sc (2005), M.TECH.(2011), Ph.D(2015)	16-Aug-17
239	JIIT1829	DR. ANUJ KUMAR	AP (G-II)	B.Sc (2004), M.Sc (2006), Ph.D (2014)	09-Jul-18
240	JIIT1801	DR. MANOJ TRIPATHI	AP (G-II)	B.Sc (2001), M.Sc (2003), M.Tech (2009), Ph.D (2017)	11-Jun-18

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
241	JIIT1887	DR. ASHISH BHATNAGAR	AP (G-II)	B.Sc (2007), M.Sc (2010), Ph.D (2018)	15-Jul-19
DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES					
242	JIIT1205	DR. MUKTA MANI	ASSO PROF	B.Sc.(1998), 'O' Level Diploma(1998), MBA(2000), DBF(2002), UGC-NET(2002), Ph.D.(2009)	05-Oct-05
243	JIIT1721	DR. MONALI BHATTACHARY	ASSO PROF	BA (1998), MA(2000), Ph.D(2008)	24-Aug-16
244	JIIT1422	DR. AMBA AGARWAL	AP (SG)	BA (1993), MA (1995), Ph.D. (2003)	05-Jul-10
245	JIIT1446	DR. NILU CHOUDHARY	AP (SG)	BA (1983), MA (1986), B.Ed. (1991), Ph.D. (2000)	11-Jan-11
246	JIIT1461	DR. SAKSHI VARSHNEY	AP (SG)	B.Com.(2001), M.Com.(2003), Ph.D. (2009), MBA (Pursuing)	01-Jul-11
247	JIIT1130	DR. BADRI BAJAJ	AP (SG)	B.Sc.(1996), MBA(1999). Ph.D.(2013).	01-Apr-04
248	JIIT1327	DR. SWATI SHARMA	ASSO PROF	BA(1993), PGDBM(1998), Ph.D. (2013)	18-Jul-08
249	JIIT1359	DR. SHIRIN ALAVI	ASSO PROF	B.Com.(2000), Master in Int. Business(2002), Ph.D. (2013)	04-Jul-09
250	JIIT1470	DR. KANUPRIYA MISRA BAKHRU	ASSO PROF	B.Tech.(2005), MBA(2009), Ph.D.(2015)	01-Jul-11
251	JIIT1328	MS. PUNEET PANNU	AP (G-II)	BA(1989), MA(1991), B.Ed. (1993), MBA(2000)	12-Aug-08
252	JIIT1290	MR. MANAS RANJAN BEHERA	AP (G-II)	B.Sc.(1999), M.Sc.(2001), Ph.D.(Pursuing).	11-Aug-07
253	JIIT1364	MS. ANSHU BANWARI	AP (G-II)	B.E.(2003), MBA(2005)	06-Jul-09
254	JIIT1471	DR. PRAVEEN KUMAR SHARMA	AP (G-II)	BBA(2004), MBA(2008), M.Phil.(2009)PH.D(2016)	24-Jun-11
255	JIIT1472	DR. DEEPAK VERMA	AP (G-II)	B.Sc. (1997), MBA (1999), Ph.D. (2015)	09-Jul-11
256	JIIT1684	DR. EKTA SRIVASTAVA	AP (G-II)	BA (2000), MA(2002), Ph.D.(2007)	16-Sep-15
257	JIIT1889	DR. CHANDRIMA CHAUDHURI	AP (G-II)	B.A (2008), M.A (2010), M.Phil (2012), Ph.D (2018)	22-Jul-19
258	JIIT1907	DR. AKARSH ARORA	AP (G-II)	BA (2009), MA (2011), Ph.D (2019)	10-Dec-19
259	JIIT1908	DR. AMANDEEP KAUR	AP (G-II)	BA (2009), MA (2011), MPHIL (2013), PHD (2019)	12-Dec-19
260	JIIT1929	DR. ANKITA DAS	AP (G-I)	M.A(2014), PHD(2020)	01-Jun-21
261	JIIT1931	DR. PRIYANKA CHHAPARIA	AP (G-I)	M.A(2012), PHD(2020)	04-Jun-21

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
JAYPEE BUSINESS SCHOOL					
262	JIIT1495	PROF. RAJNISH KUMAR MISRA	PROF.	BA (1991), M. Psy. HRDM (1999), Ph.D. (2001)	17-Oct-11
263	JIIT1289	DR. RAHUL SHARMA	ASSO PROF	B.Com.(1999), M.Com. (2002), Ph.D.(2009), PGDIM(Pursuing)	04-Aug-07
264	JIIT1294	DR. S. SURESH	AP (SG)	BE(1992), PGDM(1995), Ph.D. (2013)	04-Dec-07
265	JIIT1403	DR. SUJATA KAPOOR	AP (SG)	B.Com.(2002), M.Com.(2004), MBA(2004), Ph.D (2010)	26-Mar-10
266	JIIT1562	DR. SHRIRAM ANIL PURANKAR	AP (SG)	BE (2004), MBA (2011), Ph.D (2018)	14-Jun-13
267	JIIT1855	DR. CHARU SIJORIA	AP (SG)	B.Tech (2013), MBA (2015), Ph.D (2018)	24-Dec-18
268	JIIT1858	DR. VISHAL GUPTA	AP (SG)	B.SC (1997), MBA (2000), Ph.D (2015)	29-Dec-18
269	JIIT1912	DR. MITUSHI SINGH	AP (SG)	BCA (2002), MBA (2007), Ph.D (2012)	24-Jan-20
270	JIIT1913	DR. SWETA GOEL	AP (SG)	B.Sc (2000),MBA (2002), Ph.D (2013)	03-Feb-20
271	JIIT1914	DR. ARCHANA SRIVASTAVA	AP (SG)	B.Sc(1988), MCA(1992), PGDBM(2004), MA(2012), MBA(2014, Ph.D (2014)	03-Feb-20
272	JIIT1911	AJIT KUMAR	AP (G-II)	B.Tech (2007), MBA (2012), Ph.D (PURSUING)	07-Jan-20
273	JIIT1927	DR.GARIMA SRIVASTAV	AP (G-II)	B.SC(2006) PGDM(2008) PH.D(2017)	01-Jan-21
274	JIIT1928	MS. SHAKSHI SINGHAL	AP (G-II)	B.SC(2011), M.Phil(2015), PhD(PURSING)	01-Jun-21
275	JIIT1930	DR. PRIYANKA TANDON	AP (G-II)		04-Jun-21

Note:

ASST. PROF (I)

Assistant Professor (Grade-I)

ASST. PROF (II)

Assistant Professor (Grade-II)

AP (SG)

Assistant Professor (Senior Grade)

Asso. Prof.

Associate Professor

Prof.

Professor

DASS GUPTA & ASSOCIATES

Chartered Accountants

B-4, NDG Center, Gulmohar Park, New Delhi - 110049
 Phones: 46111000 (30 lines) FAX: 011-4611 1099 E-mail: admin @ dassgupta.com

Independent Auditors' Report

To the Members of the Board of Management

Jaypee Institute of Information Technology
 (declared as deemed to be university u/s 3 of the UGC act,1956),
 A-10, Sector-62, NOIDA, U.P.

Report on the Financial Statements

We have audited the attached Balance Sheet of Jaypee Institute of Information Technology. [Run by Jaypee Institute of Information Technology Society (Regd.)], as at 31st march 2021 and the annexed Income & Expenditure Account for the year then ended, and a summary of significant Accounting Policies and other explanatory information.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position and financial performance of the University in accordance with the income tax act 1961("the Act"). This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the act for safeguarding the assets of the university and for preventing and detecting frauds and



DASS GUPTA & ASSOCIATES

Chartered Accountants

B-4, NDG Center, Gulmohar Park, New Delhi - 110049
 Phones: 46111000 (30 lines) FAX: 011-4611 1099 E-mail: admin @ dassgupta.com

other irregularities; selection and application of appropriate accounting policies; making judgments in the estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Institute preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for



DASS GUPTA & ASSOCIATES

Chartered Accountants

B-4, NDG Center, Gulmohar Park, New Delhi - 110049
Phones: 46111000 (30 lines) FAX: 011-4611 1099 E-mail: admin @ dassgupta.com

the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

a. In our opinion and to the best of our information and according to the explanations given to us, the said accounts with significant accounting policies and other notes thereon give a true and fair view:

- (i) In the case of Balance Sheet, of the state of affairs of the Institute as at 31st March 2021; And
- (ii) In the case of Income & Expenditure Account, of the Deficit for the year ended on that date.

Report on Other Legal and Regulatory Requirements

b. We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.



DASS GUPTA & ASSOCIATES

Chartered Accountants

B-4, NDG Center Gulmohar Park, New Delhi - 110049
Phones: 46111000 (30 lines) FAX: 011-4611 1099 E-mail: admin @ dassgupta.com

- c. in our opinion proper books of account as required by law have been kept by the Institute so far as appears from our examination of those books;
- d. the Balance Sheet and Statement of Income & Expenditure Account dealt with by this Report are in agreement with the books of account;
- e. In our opinion the Balance Sheet and Income & Expenditure Account dealt with by this report comply with the applicable accounting standards subject to our comments in Significant Accounting Policies and Notes annexed to and forming part of the accounts.

For and on behalf of
DASS GUPTA & ASSOCIATES
CHARTERED ACCOUNTANTS
Registration No. 000122

(Ashok Kumar Jain)
Partner

Membership No. 090563

UDIN: 21090563AAAACD3604

DATE : 06/09/2021
PLACE: NEW DELHI



Jaypee Institute of Information Technology , Noida

(Declared as Deemed to be University under Section 3 of the UGC Act)
(Run by Jaypee Institute of Information Technology Society, Regd.)

BALANCE SHEET AS ON 31.03.2021

Amount (Rs) 31.03.2020	LIABILITIES	SCH	Amount (Rs) 31.03.2021	ASSETS	SCH	Amount (Rs) 31.03.2021
15,00,00,000	CORPUS FUND		15,00,00,000	FIXED ASSETS		3,15,59,77,321
11,62,844	Opening Balance:			Gross Block	"A"	1,46,00,85,009
1,73,941	REVALUATION OF ASSETS RESERVE			Less : Depreciation		
9,88,903	Opening Balance		9,88,903	Capital Work In Progress		83,46,929
	Less : Depreciation during the year on revalued Assets		1,48,000	CURRENT ASSETS, LOANS & ADVANCES		
1,50,29,04,150	GENERAL FUND		8,40,903	Cash & Bank Balance	"B"	72,37,61,194
28,16,57,021	Opening Balance			Advances recoverable in Cash or in kind or value to be received	"C"	70,76,62,035
15,57,68,195	Add: development fee received during the year		1,62,87,92,975	Prepaid Expenses	"D"	1,19,27,012
	Less : Deficit as per Income & Expenditure Account		13,50,86,242	Security Deposit	"E"	18,77,492
1,62,87,92,975			9,38,17,721	Stock-in-Hand	"F"	61,18,603
1,11,88,926	RESEARCH PROJECT GRANTS		1,67,00,61,496	Total		3,14,83,75,577
1,65,19,154	Opening Balance					
1,25,90,351	Add : Received during the year		1,51,17,729			
1,51,17,729	Less : Utilised/Refunded during the year		2,30,93,632			
72,30,21,115	SECURED LOANS		1,46,54,638			
20,00,00,000	From Yes Bank, New Delhi (Refer Note - 3)					
14,85,92,091	DEFERRED PAYMENT LIABILITY					
28,07,46,694	CURRENT LIABILITIES & PROMISIONS	"G"				
4,79,92,671	Sundry Creditors	"H"				
	Other liabilities					
	CAUTION MONEY					
	Current Students					
	(due for payment during next one year					
	Rs.15702671/- Previous year Rs.13632671/-)					
3,17,62,52,178	Total		3,14,83,75,577			3,14,83,75,577

Significant Accounting policies and notes on accounts as per Schedule "M" form part of Balance Sheet. As per our report of even date attached

for DASS GUPTA & ASSOCIATES
Chartered Accountants
Registration No: 000142N

CA PANKAJ KUMAR JAIN
PARTNER
Members No: 090663
UDIN: 21090563AAACD3604

Place : New Delhi
Date : 06/09/2021

(Prof. S.C Saxena)
Pro-Chancellor

(Prof. Y.R Sood)
Vice-Chancellor

(Col. Shrawan Rajgop)
Registrar



Jaypee Institute of Information Technology, Noida
(Declared as Deemed to be University under Section 3 of the UGC Act)
(Run by Jaypee Institute of Information Technology Society, Regd.)



Income & Expenditure Account for the year ended 31.03.2021

Amount (Rs.) 31.03.2020	EXPENDITURE	SCH	Amount (Rs.) 31.03.2021	Amount (Rs.) 31.03.2020	INCOME	SCH	Amount (Rs.) 31.03.2021
23,31,90,476	Institute Expenses	"I"	16,87,82,485	1,06,19,95,177	Collection from Students	"L"	81,78,51,981
61,66,19,769	Salary & Allowances	"J"	52,02,98,441	5,01,72,784	Interest received		4,29,30,660
24,50,08,187	Students' Hostel Expenses	"K"	11,70,59,931	54,75,695	Other Misc. income		25,02,166
5,02,45,826	Interest & Finance Charges		4,17,13,824	1,11,76,43,656	Deficit Carried over to Balance Sheet		66,32,84,846
12,83,47,593	Depreciation		11,12,47,886	15,57,68,195	Total		9,38,17,721
1,27,34,11,861	Total		95,71,02,667	1,27,34,11,861			95,71,02,667

Significant Accounting policies and notes on accounts as per Schedule 'M' form part of Income & Expenditure Account.
As per our report of even date attached

for DASS GUPTA & ASSOCIATES
CHARTERED ACCOUNTANTS
Reg.No:0091091



(Ashok Kumar, Partner)
PARTNER SW
Membership No: 090563
Place : New Delhi
Date : 06/09/2021

(Prof.S.C Saxena)
Pro-Chancellor

(Prof.Y.R Sood)
Vice-Chancellor

(Col. Sharda Raolgi)
Registrar

(S. B. Pant)
Chief Finance Officer



UDIN: 21090563AAAACD3604

Jaypee Institute of Information Technology, Noida At a Glance





JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

(Declared as Deemed to be University Under Section 3 of UGC Act, 1956)

A-10, Sector-62, NOIDA – 201307, U.P, INDIA

Tele – 0120-2400973-975 Fax – 0120-2400986

Website – www.jiit.ac.in