

Annual Report 2017-18



Annual Report

2017-18

Indian Institute of Technology Jodhpur

NH 65, Nagaur Road, Karwad, Jodhpur 342037

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Preface



The ninth year of the existence of the Institute has been a year of *contemplation* and *reflection*, and the Institute took silent steps... It consolidated its ongoing initiatives and made some new beginnings towards development. In particular, the Institute moved its entire operations to its Permanent Campus located on NH 65 Nagaur Road in Karwad Village (in Jodhpur District) by August 2017. With the crossing of this major milestone, the Institute is making efforts to stabilize its activities and looking forward to starting five new academic programs – *B.Tech.* (*Biotechnology*), *M.Tech.* (*BB*), *M.Tech.* (*CSE*) and *M.Tech.* (*MT*), and *Ph.D.* (*MT*) from Academic Year 2018-19. Also, the Institute has increased its intake from 40 to 60 in the B.Tech. Programs, from 10 to 20 in M.Sc. Programs.

12 new Faculty Members and 11 new Staff Members joined the fraternity of IIT Jodhpur during this year. Students have reorganized their Gymkhana activities by reshaping their societies and clubs, and by formally adopting a renewed written Constitution for the Students Gymkhana.

The work towards *Phase 1 Development* of the *Permanent Campus* was completed by Central Public Works Department, in association with M/s NCC Limited, for an amount of Rs. 496 Crores; the work towards *Phase 2 Development* commenced in October 2017 with M/s Tata Projects Limited for an amount of Rs. 549 Crores.

Going forward, the Institute will re-group its focus, and continue to make improvements in the quality of teaching-learning processes.

C. V. R. Murty

IIT Jodhpur Vision, Mission & Core Values

VISION

The Institute shall

- (1) Promote technology thought and action, and
- (2) Prepare needed technical human resources to meet the technology challenges of the nation.

MISSION

The Institute shall

- (1) Create a vibrant technology institute that incubates and promotes learning, research, invention and eventually innovation; and
- (2) Prepare each primary stakeholder towards their dharma, while continuing to adhere to its core values:
 - (a) Prepare competent Technology Graduates ready to meet Grand Challenges of India;
 - (b) Train active functionaries of a process driven professional institute;
 - (c) Facilitate builders of an internationally competitive academic institute; and
 - (d) Provide technology innovation as a force to as many industries as possible for economic value creation.

CORE VALUES

The Institute stands for a set of core values, wherein each member of the IIT Jodhpur community shall

- (1) Uphold highest levels of human integrity and dignity;
- (2) Not take unfair advantage of any stakeholder of the Institute;
- (3) Work towards building the most admired technology Institute furthering interests of Students, Industries and Society;
- (4) Commit to economic development of India through technological thought and action;
- (5) Be ethical, sincere and open in all transactions; and
- (6) Be continually responsible for upholding utmost confidentiality of all information and circumstances arising out of any interaction.

ORGANIZATION

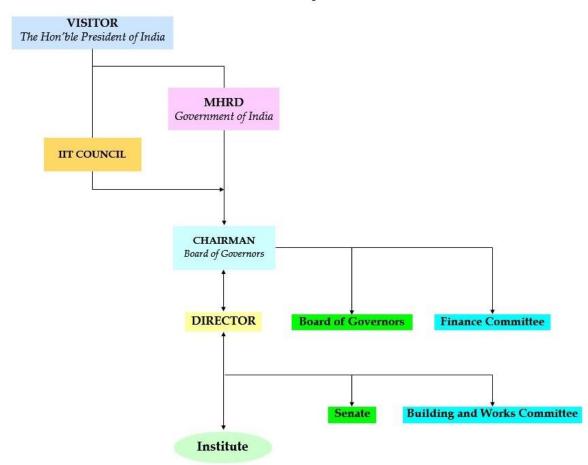
Organizational Structure

Under the broad umbrella of IIT Council, IIT Jodhpur functions under the guidance of the following statutory bodies.

- (1) Board of Governors;
- (2) Finance Committee;
- (3) Senate; and
- (4) Buildings & Works Committee.

The following organogram represents the broad administrative structure of the Institute, at policy level.

Administrative Structure of IIT Jodhpur Policy



Member details of these Statutory Bodies are given in the pages to follow.

1

Chairman

C. V. R. Murty

Director

IIT Jodhpur

NH 65, Nagaur Road, Karwad

Jodhpur 342037

1. Director (Ex-officio)

C. V. R. Murty

Director

IIT Jodhpur

NH 65, Nagaur Road, Karwad

Jodhpur 342037

Member-Nominees of the IIT Council

1. Pankaj Chandra

Former Director

Indian Institute of Management

Bangalore 560076

2. N. S. Vyas

Chairman, Technology Mission for Indian Railways

Ministry of Railways

Government of India

New Delhi 110001

3. Kiran Karnik

Former President, NASSCOM

S-315 Panchsheel Park

New Delhi 110017

4. D. R. Mehta

Founder & Chief Patron

Bhagwan Mahaveer Viklang Sahayata Samiti

13A-Gurunanak Path

Main Malviya Nagar

Jaipur 302017

State Government Nominee

1. Principal Secretary

Higher & Technical Education

Main Building Secretariat

Government of Rajasthan

Jaipur 302005

Chairman

C. V. R. Murty

Director

IIT Jodhpur

NH 65, Nagaur Road, Karwad

Jodhpur 342037

Members

1. C. V. R. Murty

Director

IIT Jodhpur

NH 65, Nagaur Road, Karwad

Jodhpur 342037

2. Additional Secretary (Technical Education)

Department of Higher Education

Ministry of Human Resources and Development

Government of India

Shastri Bhawan

New Delhi 110001

3. Financial Advisor

Department of Higher Education

Ministry of Human Resources and Development

Government of India

Shastri Bhawan

New Delhi 110001

4. G. S. Sood, IDAS

House No. 1090

Sector 29

Faridabad 121008

5. S. S. Bhandari

Director, Non-Executive Director on the Board

Bank of Baroda

P-7, Tilak Marg, C-Scheme

Jaipur 302005

6. Gaurav Harit

Assistant Professor

Indian Institute of Technology Jodhpur

Jodhpur 342037

C. V. R. Murty Chairman

Pratap Bhanu Mehta Member (Nominee of Board of Governors)
H. P. Khincha Member (Nominee of Board of Governors)
Sanjeev Misra Member (Nominee of Board of Governors)

Members

Head, Department of Bioscience & Bioengineering
Head, Department of Chemistry
Head, Department of Computer Science & Engineering
Head, Department of Electrical Engineering
Head, Department of Humanities & Social Sciences
Head, Department of Mathematics
Head, Department of Mechanical Engineering
Head, Department of Metallurgical & Materials Engineering
Head, Department of Physics

Chairman's Nominee from Departments

Professor B. P. Kashyap Department of Metallurgical & Materials Engineering

Invitees

Associate Dean (Faculty)
Associate Dean (R&D)
Associate Dean (Academics)
Associate Dean (Students)
Chairperson, Student Hostel Warden Committee
Chairperson, Library Committee
Chairperson, Student Counselling Services Committee
Chairperson, Admissions Committee

Student Representatives

Secretary, Academics and Careers Society, Students Gymkhana General Secretary, Students Gymkhana

Chairman

1. C. V. R. Murty

Director IIT Jodhpur NH 65, Nagaur Road, Karwad Jodhpur 342037

Members

1. Usha Kasana

Chief Architect Public Works Department Government of Rajasthan Jacob Road, Civil Lines Jaipur 302006

2. R. K. Govil

Additional Director General Civil (Retd.), CPWD 26, Ankur Apartments 7, I.P. Extension Delhi 110092

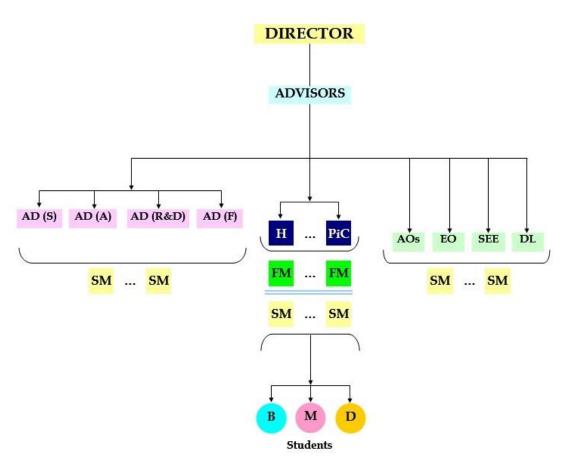
3. V. K. Bansal

Chief Engineer Electrical (Retd.), CPWD 721 Sky Lark Apartment, Sector-6, Plot No.35, Dwarka New Delhi 110075

4. B. Ravindra

Associate Professor Indian Institute of Technology Jodhpur Jodhpur 342037 At the implementation level, the Institute has organized its activities through various key functionaries, as depicted in the organogram below.

Administrative Structure of IIT Jodhpur Implementation



Abbreviations of Key Functionaries

- AD Associate Dean
- H Head
- PiC Professor in-Charge
- FM Faculty Members
- SM Staff Members
- AO Administrative Officer
- EO Estate Officer
- SEE Senior Executive Engineer
- DL Deputy Librarian
- B Bachelors
- M Masters
- D Doctoral

Details of various key functionaries of the Institute are as follow.

Director

C. V. R. Murty

Associate Deans

C. V. R. Murty Faculty

Rakesh K. Sharma Research & Development

Suril V. Shah Academics Samanwita Pal Students

Heads of the Departments

Ritu Gupta Chemistry

Gaurav Harit Computer Science & Engineering

Anil K. Tiwari Electrical Engineering

Vidya Sarveswaran Humanities & Social Sciences

Gaurav Bhatnagar Mathematics

Kaushal A. Desai Mechanical Engineering

Subhashish Banerjee Physics

Professors In-Charge of Departments

Madhu Dikshit Bioscience & Bioengineering

B. P. Kashyap Metallurgical & Materials Engineering

Chairman / Chairperson

Gaurav Bhatnagar Admissions Committee

Shankar Manoharan Alumni Relations Committee

B. P. Kashyap Best B.Tech. Project Thesis Evaluation Committee

Rakesh K. Sharma Center for Advanced Scientific Equipment

K. J. George Ethics Committee

Associate Dean (Faculty) Fellowship Application Evaluation Committee

Advisor (Administration) Financial, Administration & Infrastrcuture Committee

V. Narayanan Grievance Redressal Committee

Anil K. Tiwari House Allotment Committee

Kaushal A. Desai Industry Immersion Program

Vidya Sarveswaran Institute Lectures Committee

Kshema Prakash Internal Complaints Committee

Satyajit Sahu Library Committee

Nirmal K. Rana Medical Services Committee

V. V. M. Sarma Chandramouli Scholarships and Prizes Committee

Ankita Sharma Student Counselling Services Committee

Puneet Sharma Student Hostel Warden Committee

Sandip Murarka Student Placement Committee

Associate Dean (Academics) Students Disciplinary Action Committee

Associate Dean (Students) Anti-Ragging Committee

Associate Dean (Students) COTPA Committee

Associate Dean (Faculty) House Allotment Disciplinary Action Committee

Associate Dean (R&D) Research Publication Committee

Officers

Ananya Debnath Nodal Officer, Unnat Bharat Abhiyan

Appala Naidu Gandi Nodal Officer for OBC, PwD, and Minorities

Atul Kumar Green Initiative Officer Gaurav Bhatnagar Transparency Officer

Gaurav Bhatnagar National Institutional Ranking Framework (NIRF)

Gaurav Harit Chief Vigilance Officer Kshema Prakash Women Cell Officer

Meenu Chhabra Nodal Officer, Swachh Bharat Abhiyan Priyanka Singh Nodal Officer, Vigyan Jyoti Program

Puneet Sharma Hindi Officer

Rakesh K. Sharma Nodal Officer, IMRPINT Program

Ramesh K. Metre Nodal Officer for SC and ST Ritu Gupta Nodal Officer, GIAN Program

Sandip Murarka Nodal Officer, DAAD Scholarships Program

Sanjeeb Mukherjee Infrastructure Engineer

Sanjeeb Mukherjee Estate Officer

Somnath Ghosh Nodal Officer, Study in India Program

Subhash Pandey Public Relations Officer

Subhash Pandey Central Public Information Officer Sudipto Mukhopadhyay Nodal Officer, Ishaan Vikas Program

Sudipto Mukhopadhyay Nodal Officer, Undergraduate Research Initiative (UGRI)

Academic Committee

Associate Dean (Academics) Chairman

Members

Professor In-Charge, Department of Bioscience & Bioengineering

Head, Department of Chemistry

Head, Department of Computer Science & Engineering

Head, Department of Electrical Engineering

Head, Department of Humanities & Social Sciences

Head, Department of Mathematics

Head, Department of Mechanical Engineering

Professor In-Charge, Metallurgical & Materials Engineering

Head, Department of Physics

Associate Dean (Students)

Liaison Officer (SC/ST Cell)

Student Members

General Secretary, Students Gymkhana

Secretary, Academics & Careers Society, Students Gymkhana

Departments and Associated Faculty Members

The Institute has organised its academic activities to be conducted through nine Departments, namely:

- 1. Bioscience & Bioengineering,
- 2. Chemistry,
- 3. Computer Science & Engineering,
- 4. Electrical Engineering,
- 5. Humanities & Social Sciences,
- 6. Mathematics,
- 7. Mechanical Engineering,
- 8. Metallurgical & Materials Engineering, and
- 9. Physics

The Institute welcomed 12 new Faculty Members and 11 Staff Members into the IIT Jodhpur community. Details of Departments and associated Faculty Members are given in the pages to follow. Recruitment of Faculty Members for the new departments is underway.

DEPARTMENT OF BIOSCIENCE & BIOENGINEERING

The Department of Bioscience & Bioengineering aspires to cater to the technological requirements of the Country by conducting high-quality, translatable research and by training our students to be technological innovators in Biological sciences.

Department currently, offers M.Tech. and Ph.D. Programs in Bioscience & Bioengineering. Beginning July 2018, the Department will offer a B.Tech. Program in Biotechnology. In these programs, Students are exposed to state-of-the-art research infrastructure, where they undergo hands-on training.

The research effort of the Department is focused on developing solutions in the areas of healthcare, the environment and agriculture. Faculty Members pursue complex biological questions in the fields of:

- 1. Molecular & Cellular Biology,
- 2. Systems & Computational Biology,
- 3. Biomaterials & Biomechanics, and
- 4. Biological Processes & Bio-Devices.

The Department actively collaborates with other Departments of the Institute and with other Institutions of higher learning in and around Jodhpur to maximize research and teaching outcomes. The Department has received research funding from premier funding agencies in India, namely, Ministry of Human Resource Development, Department of Science & Technology, Department of Biotechnology, Board of Research in Nuclear Science, Science & Engineering Board, and Wellcome Trust DBT India Alliance.

Following are the Faculty Members associated with the department:

Name

Research Areas

Molecular Pharmacology and Redox Biology

Madhu Dikshit Professor In-Charge



Cellular and Molecular Neuroscience, Cell Cycle Regulation and Cancer

Amit Kumar Mishra



Meenu Chhabra

Biological Science & Bio-Engineering: Renewable Bioenergy Bioremediation



Priyanka Singh



Molecular Microbiology, Host-Microbe Interaction, Genomics and Metagenomics

Shankar Manoharan



Cellular and Molecular Neuroscience, Cell and Molecular Physiology

Sushmita Jha



Computational Biology and Bioinformatics

Cellular and Molecular Biology

Sushmita Paul

Chemistry at IIT Jodhpur is where Chemistry sees Technology. At IIT Jodhpur, Chemistry embraces a distinctive locus in science and technology collaboration. The department is making technological contribution to new materials for energy solutions, catalysis and water. Fundamental understanding of chemical dynamics, biological phenomena, Nuclear Magnetic Resonance and Quantum Chemistry are growing in prominence. The vision of the Department of Chemistry is to strive to be acknowledged for excellence in teaching, research, and outreach. The following Faculty Members are associated with the department:

Name

Research Areas



Nanomaterials & Nanodevices for Water, Energy and Healthcare

Ritu Gupta Head of Department



Theoretical and Computational Chemistry

Ananya Debnath



Quantum Information Processing

Atul Kumar



Theoretical and Computational Chemistry, Chemical Reaction Dynamics

Manikandan Paranjothy



Asymmetric Catalysis and Natural Product Synthesis

Nirmal Kumar Rana



Catalysis for Energy and Stereocontrol, Feedstock Chemistry, Fuel and Lubricants, Energy Storage and Water Treament Technology

Rakesh Kumar Sharma



Ramesh K. Metre



Samanwita Pal



Sandip Murarka

Main-group organometallic chemistry, Coordination polymers, Inorganicorganic hybrid materials and Metal phosphonate and phosphate chemistry

Solution and solid state NMR and NQR spectroscopy

Organic Synthesis, Development of Novel Synthetic Methods, Transition Metal Catalyzed Synthetic Transformations, C-H Functionalization Reactions, Asymmetric Catalysis

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

The primary objective of the Department of Computer Science & Engineering is to impart quality education in the field of Computer Science. The department's vision is to:

- 1. Expand its depth and breadth in the research and study of core Computer Science and Engineering,
- 2. Continually improve the research and teaching environment to ensure creation of human resources with adequate technical and soft skills, and
- 3. Establish strong industry and academia partnership to augment the classroom knowledge with practical hands on experience.

The Department is currently offering three academic programs, namely, B.Tech. M.Tech. and Ph.D. Progams in Computer Science & Engineering. The Bachelor of Technology (B.Tech.) aims to develop core competence in Computer Science and Engineering among the students and thereby prepare them to carry out development work, as well as take up challenges in research. The intake of this B.Tech. Program is 60 and M.Tech. Program is 15. The students who have graduated from the department are either placed in reputed industries in India, or pursuing higher studies in reputed universities within the country or abroad.

The department has research interests in core areas of Computer Science and Engineering. The Doctor of Philosophy (Ph.D.) program is offered with the goal of producing state-of-the art research outputs. Ph.D. students are working in the areas of video analytics, image understanding, cloud computing, document analysis, and internet of things. To strengthen the core competence, department is also looking for Faculty Members in all areas of Computer Science and Engineering.

Also, the department is keen to collaborate with industry and academia. At present, projects are going on with All India Institute of Medical Science (AIIMS), Jodhpur, Department of Science and Technology, Government of India.

Moreover, department works closely with industry leaders like Microsoft, IBM, Intel, TCS, for academics and research collaboration. In near future, the department is also planning to move towards outcome based education (OBE) along with a strong industry-academia partnership. The department is steadily striving towards excellence in both academics and research with active participation from faculty, staff and students.

Following are the Faculty Members associated with the department:

Faculty Member

Research Areas



Image and Video Analysis

Gaurav Harit Head of Department



Computer Vision

Chiranjoy Chattopadhyay



Theoretical Computer Science, Computational Complexity, Proof Complexity

Anil Shukla



Computational Geometry

Aritra Banik



Wireless Networks

Manas Khatua



Distributed System, Cloud Computing, Distributed Storage, Consistency

Subhajit Siddhanta

The department has an Adjunct Faculty Member, Professor Venkatesh Raman from Institute of Mathematical Sciences, Chennai.

DEPARTMENT OF ELECTRICAL ENGINEERING

The Department of Electrical Engineering, formerly a part of the Centre for Information and Communication Technology (ICT) at IIT Jodhpur (2008), primarily focuses on imparting quality education and preparing students to face the future technological challenges. The vision of the Department is to enhance the research environment and to innovate in pedagogy to address the challenges of socio-economic and human resource development. The Department is committed to engage in high quality research by Faculty Members and Students, and in the pursuit of excellence in teaching.

With excellent laboratory facilities and dedicated Faculty Members, the Department of Electrical Engineering offers the following programs:

- 1. B.Tech. (Electrical Engineering),
- 2. M.Tech. (Electrical Engineering), and
- 3. Ph.D. with specialisation in Electrical Engineering.

The broad areas of research are Microelectronics, Power and Control Systems, Communication and Signal Processing, RF and Microwave; and thrust Areas of Research include the following.

- 1. Signal processing for healthcare,
- 2. Devices and circuits for security and sensing,
- 3. Low-cost flexible electronics,
- 4. Smart grids and distribution of renewable energy,
- 5. Wireless and mobile communication,
- 6. RF and Microwave, and
- 7. Image Processing.

The department has active on-going collaborations with organizations like Freescale Semiconductors, Global Foundries, AIIMS Jodhpur, DST, DRDO, ISRO, to name a few. The Department has been receiving various sponsored projects from R&D organizations since its inception.

The following Faculty Members are associated with the department.

Name

Research Areas



Anil Kumar Tiwari Head of Department



Abdul Gafoor Shaik

Electrical Engineering: Image Processing, Video Processing, and Signal Processing application in Bio-Medical

Protection of various components of Power System, Protection of Distribution Network with DG penetration, Power Quality assessment and mitigation in Distribution Networks with Renewable Energy Source penetration



Aashish Mathur

Power Line Communications, Free Space Optical Communications, Visible **Light Communications**



Arpit Khandelwal

Group III-V Optoelectronic Devices, Fiber Optics and Integrated Optics Sensors, Non-Linear Photonics, Silicon Photonics and Optical Communication



Arun Kumar Singh

Communication Theory, Wireless and Mobile Communications, Satellite based Navigation Systems, Spread Spectrum Systems



Control and state estimation of uncertain systems, Power system, Control issues in wind energy conversion system



Mahesh Kumar

Group III-V quantum structures by MBE, Growth of thin films and nanostructures, Group III-nitride alloys for LEDs, HEMTs and photovoltaic applications, Inorganic-Inorganic hybrid structures with special attention to band gap engineering, Si and wide band gap semiconductors for MEMS, Micro and Nano device fabrications



Sandeep Kumar Yadav

Signal Processing, Condition Monitoring, Image Processing, Data Compression, Blind Source Separation, Artificial Neural Network



Shree Prakash Tiwari

Microelectronics & VLSI Technology, Microfabrication, Organic Electronics, Device Physics and Characterization, New Device Structures



Rajlaxmi Chouhan

Image processing, Noise-aided image processing using Stochastic Resonance, Image enhancement, Digital watermarking, Image quality assessment

Microwave Communication



Soumava Mukherjee

The department also has a Scholar-in-Residence, Professor R. K. Shyama Sunder, who is a Senior Professor and J. C. Bose National Fellow at Tata Institute of Fundamental Research, Mumbai.

The department has following three Adjunct Faculty Members.

- 1. Kota V. Murali, Chief Technologist, Semiconductor Research and Development Center, IBM India, Bangalore;
- 2. Debashish Datta, Retired Professor, IIT Kharagpur; and Akshay Kumar Rathore, Associate Professor, Electrical and Computer Engineering, Concordia University, Montreal, Canada.

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

The Department of Humanities and Social Sciences operates from spaces that gives an opportunity to act as an interface between empirical and experiential knowledge systems. Playing a significant role in the academic curriculum of the young engineers, we offer both core and elective courses at the Bachelors, Masters, and Doctoral levels. The ability to provide tools and skills for specific aims notwithstanding, the essence of Humanities and Social Sciences involves the sensitizing of individuals. Acting as facilitators, thus, we engage in meaningful interactions with students and help them witness, study, and understand the interplays among technology, society, and humanity. This task assumes even more significance in an educational context where the brightest young minds of India come together.

With Faculty Members who specialize in diverse disciplines (including Philosophy, Psychology, and Literature) and with students from a spectrum of backgrounds, the Department provides an enriching platform -where technical education can be complemented with human and social understanding. Following are the faculty members associated with the department.

Name

Research Areas



English: Literature and Environment (Ecocriticism), Film and Literature, Literatures of the Global South, Regional Literatures in Translation, American Literature

Vidya Sarveswaran Head of Department

Psychology: Gerontology, Clinical and Positive Psychology



Ankita Sharma



Philosophy: Applied Ethics, Ethics of Technology, Bioethics

K. J. George



Philosophy: Cognitive Studies, Evolutionary Theory, Analytic Philosophy and Mindfulness

V. Hari Narayanan



Sociology/Sociocultural Anthropology: Gender Studies; Postcolonial South Asia; International and Transnational Migrations, Qualitative Research

Mayurakshi Chaudhury

Chhanda Chakraborti, Professor, Humanities & Social Sciences, IIT Kharagpur is associated with the Department as Adjunct Faculty Member.

Mathematics, being the basis of many disciplines, is a subject that evolves with time and create new theories and models to solve challenging problems of today. Since its inception, the department has been taking a leading role in developing new methods and models that can be used in diverse areas of computer science, engineering and basic sciences. The department has faculty with research interests in the areas of Mathematical Physics, Scientific Computation, Numerical Analysis, Differential Equations, Topological Dynamics, Low Dimensional Chaos, Dynamical Systems, Renormalization in Low-dimensional dynamics, Wavelet Analysis, Fractional Transform Theory, Image Processing, Financial Risk Analysis, and Categorical Data Analysis.

The department offers high-quality programs at undergraduate and postgraduate levels. It runs a four year B.Tech. Program in System Science, a two-year M.Sc. Program in Mathematics and Ph.D. Program with specialization in different areas of Mathematics. Following are the Faculty Members associated with the department.

Name

Research Areas



Wavelet Analysis, Fractional Transform Theory, Multimedia Security, Image Processing, Information Fusion

Gaurav Bhatnagar Head of Department



Theoretical, mathematical and computational aspects of wave-matter interactions

Kirankumar R. Hiremath



Topological Dynamics, Low Dimensional Chaos

Puneet Sharma



Dynamical Systems, Renormalization in Low-Dim Dynamics

V. V. M. S. Chandramouli



Financial Risk Analysis, Categorical Data Analysis, Regression

Vivek Vijay

DEPARTMENT OF MECHANICAL ENGINEERING

The desire to contribute to national and global causes such as the solar mission and climate change is at the heart of the academic activities carried out within the Department of Mechanical Engineering. Several application domains of interest in Mechanical Engineering (such as solar energy, automotive technologies and health) motivate Students, Staff Members and Faculty Members.

The department offers B.Tech. Program, M.Tech. Program and Ph.D. Program in Mechanical Engineering. Most of the Alumni are pursuing successful careers in the industry. Some of them have chosen to pursue higher studies in India, Europe and the United States of America. Students of B.Tech. Program were benefited by the Industry-Immersion Program which provides them with industry exposure during summers.

Several collaborative projects have been initiated by the Faculty Members of the Department with a number of industries and research laboratories across India, such as Thermax, Sunborne, Areva, STEAG, BHEL, IOCL, ONGC, BARC, and NFTDC, to pursue research and development in the area of mechanical engineering.

The following Faculty Members are associated with the department.

Name

Research Areas



Modeling of Manufacturing Processes, CAD/CAM, CNC Machining, Error compensation

Kaushalkumar A. Desai Head of Department



Water, Water Management and Characterization of Engineered Materials

Anand Krishnan Plappally



Design, Dynamics, Vibration and Control

B. Ravindra



Dynamics of Machines and Structures, Flexible Robots, MEMS, Rotor Dynamics, Nonlinear Oscillations

Barun Pratiher



Laltu Chandra

Solar thermal sub-systems (open volumetric air receiver, thermal energy storage, air-water heat exchanger), Thermal hydraulics, Turbulence simulation (DNS/LES/HYBRID/RANS) & model development, Computational Fluid Dynamics.



Prodyut R. Chakraborty

Heat and mass transfer, Latent heat based storage device for high temperature applications, Alloy solidification process, Active and passive solar cooling systems, Electronic cooling



Rahul Chibber

Welding and joining, Manufacturing and materials processing, Mechanical behaviour of materials



Suril V. Shah

Robotics, Multibody Dynamics and Control



Sudipto Mukhopadhyay

Energy Technology, Combustion Technology, Computational Fluid Dynamics, Turbulent flows, Sprays

DEPARTMENT OF METALLURGICAL & MATERIALS ENGINEERING

The Institute has started Department of Metallurgical & Materials Engineering in January 2017. The department is currently offering three degree programs, namely, B.Tech., M.Tech., and Ph.D. in Metallurgical & Materials Engineering. The focus areas of the department are:

- (1) Electronic, Optical and Magnetic Materials and Devices,
- (2) Extraction of Metals and Mineral Processing,
- (3) Integrated Computational Materials Engineering,
- (4) Materials Processing and Process Development,
- (5) Physical and Mechanical Metallurgy of Materials, and
- (6) Thermodynamics and Kinetic Processes in Materials.

The following Faculty Members are associated with the department.

Name

Research Areas



Thermo-mechanical treatment and Super-plasticity, Grain boundary phenomena, Creep and low temperature deformation, Microstructure - flow property correlations, and Light metals and alloy development

Bhagwati P. Kashyap Professor In-Charge

Nano Materials



Neha Sardana

Appala Naidu Gandi

First Principles Calculations, Phase Filed Modelling

A visible research in fundamental Physics along with its applications is the major theme of Physics Department at IIT Jodhpur. The Faculty members carry out research in the field of Astrophysics, Condensed Matter Physics & Material Science, Particle Physics, Experimental and Theoretical Quantum Optics, Quantum Information and Foundations of Quantum Mechanics. The research facilities available in the department include SQUID magnetometer, Physics Property Measurement Systems (PPMS), Raman Spectrometer and Scanning Tunnelling Microscope (STM).

Following are the faculty members associated with the department.

Name

Research Areas



Open Quantum Systems; Quantum Information; Non-Equilibrium Statistical Mechanics; Quantum Optics

Subhashish Banerjee Head of Department



Semiconductors, multifunctional ferroics & materials for energy-fabrication & characterization, Photovoltaic materials & devices ab initio DFT study and device simulations

Ambesh Dixit



Particle Physics and Cosmology

Ashutosh Kumar Alok



Astrophysics, Astroparticle physics

Monika Sinha



Information Processing in Biological Systems



Optics and Solar Field Design, Plasmonics, Laser Produced Plasmas (LPP), Pulsed Laser Deposition (PLD), Plasma Diagnostics (Interferometry & Optical Emission Spectroscopy (OES)), Laser Matter Interaction and Laser Cluster Interaction

V. Narayanan



Light in disordered and complex systems, Mid-IR photonics and unconventional devices

Somnath Ghosh

The department also has a Scholar-in-Residence, Professor K. L. Chopra, Advisor, Thin Film Laboratory, IIT Delhi.

Staff Members

Eleven new Staff Members joined the Institute during the FY 2017-18. The following are the Staff Members engaged in various Offices and Departments of the Institute.

Institute.						
Academic Sta	ff Members					
Office of Library						
Kshema Prakash	Deputy Librarian					
Amit Kumar Soni	Senior Library & Information Assistant					
Chunni Chhatwani	Senior Library & Information Assistant					
Kamleshkumar J. Patel	Senior Library & Information Assistant					
Administrative Staff Members						
Office of Academics						
Ashok Kumar Khanduri	Deputy Registrar					
Gaurav Nigam	Superintendent					
Sandeep Singh Chandel	Superintendent					
Rashmi Dhyani	Junior Assistant					
Office of Accounts						
Manish Kumar Bhomia	Assistant Registrar					
Ashish Kachhawaha	Superintendent					
Rakesh Kumar	Junior Assistant					
Narayan Dadhich	Junior Assistant					
Sapna Sankhla	Junior Assistant					
Office of Adr	ninistration					
Amardeep Sharma	Deputy Registrar					
Neeraj Kumar	Junior Assistant					
Office of Alumni Relation	ns & Student Placement					
Gurpreet Kaur Virdi	Assistant					
Office of Est	ablishment					
Laxman Singh	Junior Superintendent					
Abhay Kumar Awasthi	Junior Assistant					
Biswajit Pramanik	Junior Assistant					
Office of Infrastructure Engineering						
Sanjeeb Mukherjee	Executive Engineer (Civil)					
Vinay Kumar	Assistant Engineer (Electrical)					
Siddarth Mukherjee	Assistant Engineer (Civil)					
Ashish Kumar	Junior Engineer (Civil)					
Dheeraj Updhyay	Junior Assistant					
T. Madhavi Lata	Stenographer					
Office of Internal Audit						

Sharad Srivastava

Senior Assistant

Office of Recruitment

Darsh Kumar Khatwani Assistant

Achinta Mondal Junior Assistant

Office of Research & Development

Sandeep Pareek Junior Superintendent

Office of Students

Gaurav Nigam Superintendent

Arjun Das Physical Training Instructor

Sharabh Pradhan Junior Superintendent

Ram Niwas Dhayal Junior Assistant

Office of Stores & Purchase

Shakti Ranjan Patra Assistant Registrar Naresh Chouhan Junior Superintendent

Suresh Chandra Phulara Junior Assistant

Administrative Staff Members engaged in Offices of Departments

Dhani Ram Choudhary Stenographer
Swati Kushwaha Junior Assistant
Trilotama Singh Junior Assistant
Shashank Choudhary Junior Assistant

Technical Staff Members

Department of Bioscience & Bioengineering

Bharat Pareek Junior Technical Superintendent

Poonam Junior Technician

Department of Chemistry

Ganpat Chowdhary Junior Technician
Shubham Pandey Junior Technician

Department of Computer Science & Engineering

Rimpesh Katiyar Technical Superintendent

Dheerendra Kumar Yadav
Rinkesh Kumar Mangal
Poonam Chand Sankhla
Junior Technical Superintendent
Junior Technical Superintendent

Ram Singh Ratnu Technician

Vivek Verma Junior Technician

Department of Electrical Engineering

Bhanprakash Goswami Junior Technical Superintendent

Gajraj Sharma Junior Technician Hemraj Dhodhawat Junior Technician Kailash Chander Junior Technician Naveen Kumar Junior Technician

Department of Mechanical Engineering

Chandra Veer Charan Assistant Workshop Superintendent

Praveen Suthar Junior Technician Bhagya Wardhan Junior Technician Rambeer Singh Junior Technician Dhavalbhai M. Raiyani Junior Technician

Ravi Jangid Junior Technician

Department of Metallurgical & Materials Engineering

Sampatlal N. Suthar Junior Technician

Department of Physics

Narendra Kumar Singh Technical Superintendent

ACADEMICS

Academic Programs

Currently, the Institute offers the following four sets of Programs:

- 1. Bachelor of Technology Programs:
 - 1. B.Tech. (Biotechnology)
 - 2. B.Tech. (Computer Science and Engineering)
 - 3. B.Tech. (Electrical Engineering)
 - 4. B.Tech. (Mechanical Engineering)
 - 5. B.Tech. (Metallurgical & Materials Engineering)
- 2. Master of Science Programs
 - 1. M.Sc. (Chemistry)
 - 2. M.Sc. (Mathematics)
 - 3. M.Sc. (Physics)
- 3. Master of Technology Programs
 - 1. M.Tech. (Bioscience & Bioengineering)
 - 2. M.Tech. (Computer Science & Engineering)
 - 3. M.Tech. (Electrical Engieering)
 - 4. M.Tech. (Mechanical Engineering)
 - 5. M.Tech. (Metallurgical & Materials Engineering)
- 4. Doctor of Philosophy Programs
 - 1. Ph.D. with specialisation in Biology
 - 2. Ph.D. with specialisation in Chemistry
 - 3. Ph.D. with specialisation in Computer Science & Engineering
 - 4. Ph.D. with specialisation in Electrical Engineering
 - 5. Ph.D. with specialisation in Humanities & Social Sciences
 - 6. Ph.D. with specialisation in Mathematics
 - 7. Ph.D. with specialisation in Mechanical Engineering
 - 8. Ph.D. with specialisation in Metallurgical & Materials Engineering
 - 9. Ph.D. with specialisation in Physics

Ph.D. Theses

The following Ph.D. Students defended their theses successfully this year:

S.No.	Name of the Student	Title of Thesis	Supervisor	Department	Date of Defense
1.	Deepak Bharti	Small Molecule Based Solution Processed Organic Field-Effect Transistors and Applications	Shri Prakash Tiwari	Electrical Engineering	9 August 2017
2.	Sapana Ranwa	RF Sputtered ZnO Nanorods based Hydrozen Sensor	Mahesh Kumar	Electrical Engineering	14 August 2017
3.	Poonam Sharma	Supported Chiral Platinum Nanoparticles for Asymmetric Catalysis	Rakesh K. Sharma	Chemistry	15 September 2017

4.	Shejale Kiran Prakash	Close Shell Metal Oxides for Solar Cell and Water Treatment Application	Cell and Water		19 September 2017	
5.	Surendra Singh Effects of High Energy Barala Radiation on Perovskite Oxides for Voltage Tunable Applications		Mahesh Kumar	Electrical Engineering	6 October 2017	
6.	Kriti Dubey	Biophysical Approach to Develop Inhibitors against Protein aggregation	Karunakar Kar	Bioscience & Bioengineering	6 November 2017	
7.	Bibin G. Anand	Nanoparticle based inhibitors to target protein aggregation	Karunakar Kar	Bioscience & Bioengineering	11 January 2018	
8.	Pura Ram	Rare earth doped LiMn 2 O 4 cathodes for lithium ion battery	Rakesh K. Sharma	Chemistry	20 February 2018	
9.	Puneet Kumar Jain	Processing of Heart Sound Signal to Monitor Cardiovascular Functions in Real-life Scenario	Anil Kumar Tiwari	Electrical Engineering	23 February 2018	
10.	Ram Niwash Mahia	Input-Output Dynamic Properties of Complex Networks	Deepak M. Fulwani	Electrical Engineering	12 March 2018	
11.	Pradumn Kumar Pandey	Parametric network models, network reconstruction and diffusion protocols for networks	Venkata Ramana Badarla, Bibhas Adhikari, & Mainak Mazumdar	Computer Science & Engineering	23 March 2018	

Collaborations with Academia

The Institute has signed Memoranda of Understanding (MoUs) with six international universities, two international agencies, three national institutes and universities, and one national agency for furthering cooperation on specific fronts. These MoUs are:

(a) International Institutes and Universities

1. University of Western Ontario, Canada (9 August 2010)

To explore the possibilities for cooperation in education, training, and research and also to encourage direct contact and mutual cooperation between faculty members, departments, and research centers.

2. Universitat Rovira I Virgili, Tarrgona, Spain (29 August 2010)

For the development of mutually beneficial academic program and courses; coordination of academic staff travel for the purposes of teaching, research, and training; cooperation of student mobility program for study, research, and for joint academic activities such as research publications, conferences and symposia; exchange of documentation and research materials in the field of mutual interest provided that there are no legal barriers against exchange and collaboration in international master's and doctoral programs between both the institutions.

3. University of Waterloo, Canada (25 November 2010)

For collaborative measures to foster international experience and advancement of knowledge on the basis of reciprocity, mutual benefit, interaction and exchange of students in graduate programs.

4. University of Manitoba, Canada (9 December 2010)

For the development of mutually beneficial programs for student internships and graduate study in order to provide students opportunities for advancement of knowledge and international experience.

5. University of California, Merced (26 April 2011)

For the development of mutually beneficial relationships for promoting academic exchange, scholarly cooperation, and collaborations under mutually agreeable terms and conditions: the exchange of faculty members, scientists and students and scientific material, access to library resources, pursuit of joint meetings, symposia and/or conferences and access to laboratories as may be appropriate and feasible in the two institutes.

6. Arid Forest Research Institute, Jodhpur, India (15 August 2011)

For the development of sheltering belt plantation as urban forestry model for at a selected site at IIT Jodhpur.

7. Institute of Science and Technology, Nara, Japan (28 February 2012)

To promote academic exchanges in fields where each party needs to enhance its educational and academic programs: the academic exchanges will include, implementation of collaborative research, joint symposia, lectures and education and exchange of scholars, researchers, and administrative staff; exchange of information in fields which are of interest to both parties and exchange of graduate students in fields of interest to both parties.

(b) International Agencies

1. The Commissariat a l'Energie Atomique et aux Energies Alternatives, France (22 November 2010)

To cooperate in areas of solar energy research, such as Concentrated Solar Power (CSP) and Concentrated Photovoltaic (CPV), water production by using solar energy, renewable energy storage and smart management, integration of solar energies and energy efficiency in buildings.

2. Embassy of France in India (28 March 2011)

To explore prospective domains for students and scholars to learn French language effectively.

(c) National Institutes and Universities

- All India Institute of Medical Sciences, Jodhpur
 To collaborate in various academic activities in the spheres of expertise.
- National Law University, Jodhpur
 To collaborate in various academic activities in the spheres of expertise.
- 3. Sardar Patel University of Police, Security, and Criminal Justice, Jodhpur (12 June 2013)

To promote academic exchanges in fields where each party needs to enhance its educational and academic programs.

Collaborations with Industry

A special feature of the Institute's B.Tech. Program is the *Industry Immersion Program*, in which, till now, ~150 B.Tech. Students were engaged with our Industry Partners, namely TVS Motor Company, Mahindra & Mahindra, Tata Motors, Tata Power Company, and Larsen & Toubro. In the inward direction, the Industry Captains and leading lights in the subjects gave Vaguard Lectures; this enabled Students to listen to inspirational talks by experts from Industry, and to get a big-picture of the technological advances and emerging trends in different fields. The first batch of students of the Industry Immerson Program will be graduating shortly with 28 students completing the Program.

In the year 2017-18, two more series of Vanguard Lectures, namely, Series 6 and Series 7, were organised since July 2017, whose details are as below.

S.No. Speaker & Topic

Series 7: July 2017

(1) S. Jabez Dhinagar

Vice - President, Advanced Engineering Group

TVS Motor Company Limited

"New Product and Technology Development"

29 August 2017

(2) R. G. Rajhans

Head Light Defence Vehicles

Tata Motors Limited

"Inspiration to Aspiration"

4 September 2017

(3) Rajesh Deshpande

Head SCV Product

Tata Motors Limited

"Welcome to VUCA world"

4 September 2017

(4) Naveen Garg, Professor

Department of Computer Science and Engineering

Indian Institute of Technology Delhi

"Online Scheduling"

11 September 2017

(5) Kota V. Murali

Group Executive Vice President, Technology and Innovation

The Manipal Group

"Nanotechnology: Enabling the Future of Electronics and Computing"

9 October 2017

(6) Akhilesh Jain

SO/H and Head, Solid State RF Amplifier Section, RF Systems Division

Raja Ramanna Centre for Advanced Technology

"High Power Solid-State RF Transmitter"

13 October 2017

(7) C. Venkatesan

Emeritus Fellow, Department of Aerospace Engineering Indian Institute of Technology Kanpur "Autonomous Mini Helicopter Development at IIT Kanpur: My Journey & Learning" 27 October 2017

(8) Lalit Mohan Kukreja

AvH Fellow, Founder-President
Epi-knowledge Foundation
"Emerging Technologies of Laser Materials Processing"
1 November 2017

Series 8: January 2018

(1) Biswadip Shome

Director, Simulation Based Design Global Technology and Engineering Center Whirlpool Corporation

"Simulation Based Design and its Application in various Industry Sectors" 12 March 2018

RESEARCH

R & D Projects

The Faculty Members in the Institute are currently working on 41 sponsored research projects. Their details are:

S.No. Project Title

Department of Bioscience & Bioengineering

(1) How LRASM1 gene regulates cellular protein quality control functions? Implications in neurodegeneration and ageing

Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India

PI: Amit Mishra

Rs. 23.10 Lakhs

(2) Bioremediation of low level wastes including denitrification using microbial fuel cells

Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE), Government of India

PI: Meenu Chhabra; Co-PI: Atul Kumar

Rs. 23.73 Lakhs

(3) Development of low cost Microbial Carbon capture (MCC) cells for algae cultivation and powers generation

Department of Biotechnology (DBT), Government of India

PI: Meenu Chhabra

Rs. 172 Lakhs

(4) Hospital-associated ESKAPE pathogens: Unraveling novel regulatory layers controlling virulence and persistance

The Wellcome Trust / DBT India Alliance

PI: Shankar Manoharan

Rs. 1.64 Cr.

(5) Deposition of particulate matter in lungs

Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE), Government of India

PI: Sushmita Jha

Rs. 24.79 Lakhs

(6) Expression analysis of inflammasome-forming NLRs in gliomas for identification of novel therapeutic interventions

Department of Science & Technology (DBT), Government of India

PI: Sushmita Jha

Rs. 42.15 Lakhs

(7) Integrative Approach for Identification of Disease Genes of Type II Diabetes

Science and Engineering Research Board (SERB), Department of Science & Technology (DST),

Government of India

PI: Sushmita Paul

Rs. 26.76 Lakhs

Department of Chemistry

(8) Solid State High Energy Density Lithium Ion Rechrgeable & Tecnlogy

Indo-Portugal Research Center, Minho, Portugal

PI: Rakesh Kumar Sharma

Rs. 6.45 Lakhs

(9) Catalytic Upgrading of Bio-Oil to Transport Fuel

Department of Biotechnology (DBT), Government of India

PI: Rakesh Kumar Sharma

Rs. 94.79 Lakhs

(10) New Single Source Precursors for Potential Nanostructured Bi2Te3/sb2Te3 System Based Thermoelectric Materials

Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India

PI: Ramesh K. Metre

Rs. 32.12 Lakhs

(11) Development of electrochemical energy storage from carbon rich waste

Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India

PI: Ritu Gupta

Rs. 37.17 Lakhs

(12) Solid state Nuclear Magnetic Resonance (NMR) assessment of zinc oxide (ZnO) nanomaterial based drug delivery systems

Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India

PI: Samanwita Pal

Rs. 34.45 Lakhs

Department of Computer Science & Engineering

(13) Design of efficient algorirthms for multiple choice resource allocation problem

Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India

PI: Aritra Banik

Rs. 9.78 Lakhs

(14) Development of Multimodal Search Framework For Architectural Floor Plan

Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India

PI: Chiranjoy Chattopadhyay

Rs. 24.5 Lakhs

(15) Information Access from Document Images of Indian Languages

Ministry of Human Resource Development (MHRD) & Ministry of Electronics & Information Technology (MeitY)

PI: Gaurav Harit

Rs. 8 Lakhs

Department of Electrical Engineering

(16) Computationally efficient fixed complexity sphere decodes for multiuser MIMO communications

Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India

PI: Arun Kumar Singh

Rs. 22.82 Lakhs

(17) Design and development of NavIC Receiver

Ministry of Electronics & Information Technology (MeitY), Government of India PI: Arun Kumar Singh

Rs. 64.55 Lakhs

(18) Energy Efficient Technologis for Smart Building

Indo-US Science and Technilogy Forum (IUSSTF), Department of Science & Technology (DST), Govermnent of India

PI: Deepakkumar M. Fulwani

Rs. 1.30 Cr.

(19) Ion-Beam Synthesis and Characterization of Gallium Nitride based Nanocrystals embedded in Si based Matrices for New-Generation Photodetector and Light-Emitter Applications.

Department of Science & Technology (DST) International Division, Government of India PI: Mahesh Kumar

Rs. 55.72 Lakhs

(20) Development of mems based gas sensors using RF sputtered transition metal doped ZnO Nanostructures

Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India

PI: Mahesh Kumar

Rs. 24.17 Lakhs

(21) Development of Tunable RF Filter Based on Ferroelectric Thin Film by Sputtering

Indian National Science Academy

PI: Mahesh Kumar

Rs. 5 Lakhs

(22) Design and Development of Tunable RF Filter Based on Ferroelectric Thin Film by Sputtering

Defense Research & Development Organization (DRDO), Government of India

PI: Mahesh Kumar

Rs. 20 Lakhs

(23) Noise-enhanced Edge-preserving Image Denoising using Stochastic Resonance

Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India

PI: Rajlaxmi Chouhan

Rs. 26.64 Lakhs

(24) Algorithms for Blind Signal Detection and Demodulation

Defense Research & Development Organization (DRDO), Jodhpur, Government of India PI: Sandeep Kumar Yadav

Rs. 55.24 Lakhs

(25) Design and Fabrication of Germanium on Silicon near infrared photodetectors

Department of Science & Technology (DST), Government of India

PI: Saravanan Rajamani

Rs. 19.20 Lakhs

(26) Special Manpower development Program for Chips to System Design (SMDP-C2SD)/ Design of a Sensor Signal Conditioning System (I) & Multiprocessor Scheduling Alogrithms using Control Theoretic Approach (II)

 $\label{lem:decomposition} \textit{Department of Electronics \& Information Technology (DeitY), Government of India}$

PI: Shree Prakash Tiwari

Rs. 10.43 Lakhs

(27) Substrate Integrated Coaxial Line (SICL) based Circuits and Systems for millimeter wave application

Department of Science & Technology (DST), Government of India

PI: Soumava Mukherjee

Rs. 35 Lakhs

Department of Humanities & Social Sciences

(28) Wisdom as cognitive and motivational-emotional heuristics in ecologically rational decision making

Department of Science & Technology, Government of India

PI: Ankita Sharma

Rs. 22.3 Lakhs

(29) Where the Bougainvillea Blooms: Stories of Place from a Resilient Landscape

M. R. A. R. Educational Foundation

PI: Vidya Sarveswaran

Rs. 0.5 Lakhs

Department of Mathematics

(30) Automorphism Groups of Induced Symbolic Systems

National Board for Higher Mathematics (NBHM), Department of Atomic Energy (DAE),

Government of India

PI: Puneet Sharma

Rs. 3.32 Lakhs

Department of Mechanical Engineering

(31) Local Composite geotextile mats for soil and water conservation in western Rajasthan

Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India

PI: Anand Krishnan Plappally

Rs. 21.5 Lakhs

(32) Minimizing deflection induced surface errors in end milling of thin walled components

Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India

PI: Kaushalkumar A. Desai

Rs. 15.3 Lakhs

(33) Thermal Design of PCM Cool and Warm Vest

Defense Research & Development Organization (DRDO), Jodhpur, Government of India PI: Prodyut Ranjan Chakraborty

Rs. 9.96 Lakhs

(34) Hybrid reactionless manipulation and visual serving of a satellite mounted robot for autonomous on orbit services

Department of Science & Technology (DST), Government of India

PI: Suril Vijaykumar Shah

Rs. 35 Lakhs

Department of Physics

(35) Development of III-Nitrides thin film(s) for high frequency saw device applications

Department of Space, Government of India

PI: Ambesh Dixit

Rs. 22.62 Lakhs

(36) Probing Magnetic Structures and Spin Flop transition in bulk and nanostructured FeVo4 Multiferroic System

UGC-DAE, Department of Science & Technology (DST), Government of India

PI: Ambesh Dixit

Rs. 6.60 Lakhs

(37) Devolopment of nanostructured Cu2ZnSn(S/Se)4 thin films and their electronic properties for next genration solar photovoltaic applications

Department of Science & Technology (DST), Government of India

PI: Ambesh Dixit

Rs. 37.22 Lakhs

(38) Magnetars with superfluid core

Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India

PI: Monika Sinha

Rs. 20.60 Lakhs

(39) Application specialty optical fibers and towards 1D random lasers in disordered lattices Department of Science & Technology (DST), Government of India PI: Somnath Ghosh Rs. 35 Lakhs

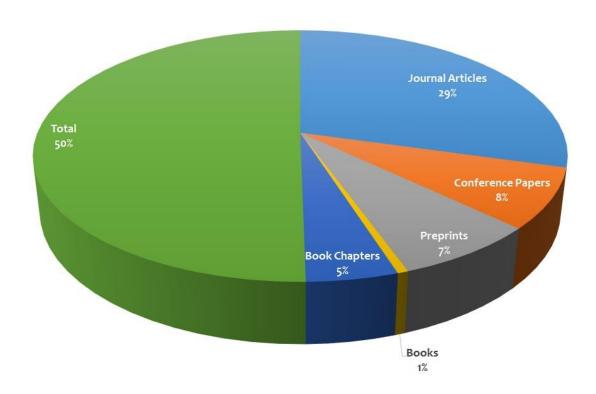
- (40) A Study of quantum correlations: Squeezing and its various facets
 Council of Scientific and Industrial Research (CSIR), Government of India
 Pl: Subhashish Banerjee
 Rs. 5.10 Lakhs
- (41) Probing the Foundations of Quantum Mechanics in Neutrino Oscillations
 Department of Science & Technology (DST), Government of India
 Pl: Subhashish Banerjee
 Rs. 10.08 Lakhs

Patents & Publications

In 2017-18, our Faculty Members have filed 2 patents, published 108 research papers and articles in scholarly journals. 29 of their works have been covered as conference presentations and in conference proceedings; 27 preprints, 2 edited books and 17 book chapters have been contributed.

Department	Patents Filed	Journal Papers	Conference Papers	Preprints	Books	Book Chapters	Total
Bioscience & Bioengineering	1	14	01	01		01	18
Chemistry	1	21					22
Computer Science & Engineering		03	08	01		01	13
Electrical Engineering		29	12	01		01	43
Humanities & Social Sciences						01	01
Mathematics		02	03	01		02	08
Mechanical Engineering		14	03	02	02	07	28
Metallurgical & Materials Engg.		01					01
Physics		24	02	21		04	51
Total	2	108	29	27	02	17	185

Category-wise Break-up of Scholarly Publications



The following is the department-wise list of patents and publications.

Department of Bioscience & Bioengineering

Patents

(1) Portable, low cost hypoxia chamber to simulate hypoxia environment. Jha, S. and Saxena, S., 2018. Filed on 28 March 2018.

Journal Articles

- (1) Ali, M., Pandey, R. K., Khatoon, N., Narula, A., **Mishra, A.**, & Prajapati, V. K. (2017). Exploring dengue genome to construct a multi-epitope based subunit vaccine by utilizing immunoinformatics approach to battle against dengue infection. *Scientific Reports*, 7(1), 9232. ISSN: 2045-2322. https://doi.org/10.1038/s41598-017-09199-w
- (2) Amanullah, A., Mishra, R., Upadhyay, A., Reddy, P. P., Das, R., & **Mishra, A. K.** (2018). Indomethacin Elicits Proteasomal Dysfunctions Develops Apoptosis Through Mitochondrial Abnormalities. *Journal of Cellular Physiology*, 233 (2), 1685–1699. ISSN: 1097-4652. https://doi.org/10.1002/jcp.26081
- (3) Amanullah, A., Upadhyay, A., Joshi, V., Mishra, R., Jana, N. R., & **Mishra, A. K.** (2017). Progressing neurobiological strategies against proteostasis failure: challenges in neurodegeneration. *Progress in Neurobiology*. 159, 1-38. ISSN: 0301-0082. https://doi.org/10.1016/j.pneurobio.2017.08.005
- (4) Arora, N., Tripathi, S., Kumar, P., Mondal, P., **Mishra, A.**, & Prasad, A. (2017). Recent advancements and new perspectives in animal models for Neurocysticercosis immunopathogenesis. Parasite Immunology, 39(7), e12439. ISSN: 1365-3024. https://doi.org/10.1111/pim.12439
- (5) Arora, N., Tripathi, S., Singh, A. K., Mondal, P., **Mishra, A.**, & Prasad, A. (2017). Micromanagement of Immune System: Role of miRNAs in Helminthic Infections. *Frontiers in Microbiology*, *8*. ISSN: 1664-302X. https://doi.org/10.3389/fmicb.2017.00586
- (6) Freeman, L., Guo, H., David, C. N., Brickey, W. J., **Jha, S.,** & Ting, J. P.-Y. (2017). NLR members NLRC4 and NLRP3 mediate sterile inflammasome activation in microglia and astrocytes. *Journal of Experimental Medicine*, 214(5), 1351-1370. ISSN: 1540-9538. https://doi.org/10.1084/jem.20150237
- (7) Joshi, V., Upadhyay, A., Kumar, A., & **Mishra, A. K.** (2017). Gp78 E3 ubiquitin ligase: essential functions and contributions in proteostasis. *Frontiers in Cellular Neuroscience*, 11. ISSN: 1662-5102. https://doi.org/10.3389/fncel.2017.00259
- (8) Khan, E., Tawani, A., Mishra, S. K., Verma, A. K., Upadhyay, A., Kumar, M., Sandhir, R., Mishra, A. & Kumar, A. (2018). Myricetin reduces toxic level of CAG repeats RNA in Huntington's Disease (HD) and Spino Cerebellar Ataxia (SCAs). *ACS Chemical Biology*, 13(1), 180-188. ISSN: 1554-8929. https://doi.org/10.1021/acschembio.7b00699
- (9) Maji, P., Shah, E., & **Paul, S.** (2017). RelSim: An integrated method to identify disease genes using gene expression profiles and PPIN based similarity measure. *Information Sciences*, 384, 110–125. ISSN: 0020-0255. https://doi.org/10.1016/j.ins.2016.06.034
- (10) Saxena, S., & **Jha**, **S.** (2017). Role of NOD-like Receptors in Glioma Angiogenesis: Insights into future therapeutic interventions. *Cytokine & Growth Factor Reviews*, *34*, *15-26*. ISSN: 1359-6101. https://doi.org/10.1016/j.cytogfr.2017.02.001
- (11) Sharma, N., & **Jha**, **S.** (2017). NLRC3 mediated PI3K-mTOR inhibition takes a toll on colon cancer. Translational Cancer Research, 6(2), S296–S300. ISSN: 2219-6803. https://doi.org/10.21037/12813

- (12) Singh, R., Shitiz, K., Singh, S., Jha, S., & Singh, A. (2018). Evaluation of wound dressing properties of chitin membranes containing nanosilver. *Biomedical Physics & Engineering Express*, 4(2), 025030. ISSN: 2057-1976. https://doi.org/10.1088/2057-1976/aaa9ca
- (13) Upadhyay, A., Amanullah, A., Mishra, R., Kumar, A., & **Mishra, A. K**. (2018). Lanosterol Suppresses the Aggregation and Cytotoxicity of Misfolded Proteins Linked with Neurodegenerative Diseases. *Molecular Neurobiology*, 55(2), 1169–1182. ISSN: 1559-1182. https://doi.org/10.1007/s12035-016-0377-2
- (14) Upadhyay, A., Joshi, V., Amanullah, A., Mishra, R., Arora, N., Prasad, A., & **Mishra, A.** (2017). E3 Ubiquitin Ligases Neurobiological Mechanisms: Development to Degeneration. *Frontiers in Molecular Neuroscience, 10.* ISSN: 1662-5099. https://doi.org/10.3389/fnmol.2017.00151201

Conference Paper

(1) **Paul, S.**, & Talbar, S. (2017). Machine Learning Approach for Identification of miRNA-mRNA Regulatory Modules in Ovarian Cancer. In *Pattern Recognition and Machine Intelligence* (pp. 438–447). Kolkata, India: Springer, Cham. ISBN: 978-3-319-69900-4. https://doi.org/10.1007/978-3-319-69900-4_56

Pre-prints

(1) Gallaud, E., Nair, A. R., Monnard, A., **Singh, P.**, Pham, T., Garcia, D. S., Ferrand, A. & Cabernard, C. (2018). A centrosome asymmetry switch in fly neural stem cells. *BioRxiv*, 249375. https://doi.org/10.1101/249375

Book Chapter

(1) **Paul, S.** (2017). Integration of Gene Expression and Ontology for Clustering Functionally Similar Genes. In Polkowski L. et al. (Eds.), *Rough Sets* (pp. 587–598). Springer, Cham. ISBN: 978-3-319-60837-2. https://doi.org/10.1007/978-3-319-60837-2_47

Department of Chemistry

Patents

(1) Metal(s)/Clay Catalysts for Converting Biomass into Diesel Grade Hydrocarbons. Sharma, R. K. and Soni, V. K. 2017. Filed on 22 May 2017.

Journal Papers

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- (2) Bahuguna, G., Janu, V. C., Uniyal, V., Kambhala, N., Angappane, S., **Sharma, R. K.**, & **Gupta, R.** (2017). Electrophilic fluorination of α-Fe2O3 nanostructures and influence on magnetic properties. *Materials & Design*, *135*(Supplement C), 84–91. ISSN: 0264-1275. https://doi.org/10.1016/j.matdes.2017.09.012
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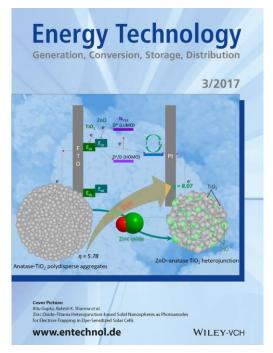
Awards & Recognitions

Department of Bioscience & Bioengineering

1. Amit Kumar Mishra, Assistant Professor, Department of Bioscience & Bioengineering, IIT Jodhpur, has been elected as a Member of the Royal Society of Biology, London on 1 April 2017.

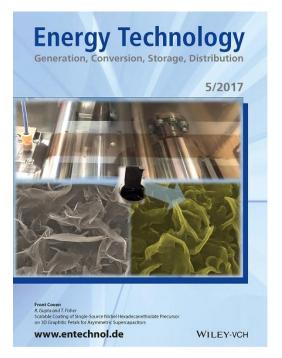
Department of Chemistry

1. Research work of Ritu Gupta, Rakesh K. Sharma, Kiran P. Shejale, and Devika Laishram placed on March 2017 cover of Energy Technology: Generation, Conversion, Storage, Distribution, a Wiley-Interscience Journal.



From the research paper Zinc Oxide-Titania Heterojunction-based Solid Nanospheres as Photoanodes for Electron-Trapping in Dye-Sensitized Solar Cells authored by Ritu Gupta and Rakesh K. Sharma (Assistant Professors of Chemistry) and Kiran P. Shejale and Devika Laishram (Ph.D. Students of Department of Chemistry), which was published in the May 2017 issue of Energy Technology: Generation, Conversion, Storage, Distribution, published by Wiley Interscience, a figure depicting the schematic of synthesized TiO2 nanospheres and the changes brought about by the incorporation of ZnO, was chosen to be on the cover of the Journal.

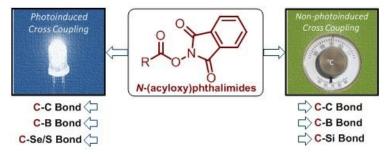
2. Research work of Ritu Gupta and T. S. Fisher (Purdue University) placed on May 2017 cover of Energy Technology: Generation, Conversion, Storage, Distribution, a Wiley-Interscience Journal



From the research paper *Scalable Coating of Single-Source Nickel Hexadecanethiolate Precursor on 3D Graphitic Petals for Asymmetric Supercapacitors* authored by Ritu Gupta, Assistant Professor, Department of Chemistry, IIT Jodhpur and Timothy S. Fisher, Professor, Purdue University, which was published in the May 2017 issue of Energy Technology: Generation, Conversion, Storage, Distribution, published by Wiley Interscience, a figure illustrating the "schematic of roll-to-roll printing of nickel hexadecanethiolate ink that can be decomposed under ambient condition to yield NiOxSy as a pseudocapacitive layer" was chosen to be on the cover of the Journal.

The cover image illustrates the schematic of roll-to-roll printing of nickel hexadecanethiolate ink that can be decomposed under ambient condition to yield NiOxSy as a pseudocapacitive layer. The nickel-based pseudocapacitive layer is conformally coated onto three-dimensional graphitic structures to increase the surface area and enhance the capacitance. An optimized loading of the pseudocapacitive layer onto three-dimensional graphene petals yields a supercapacitor with high specific capacitance (2360 F g1) and stability over 5000 cycles.

3. Sandip Murarka's Publication in Advanced Synthesis & Catalysis has been recognized as a "Very Important Publication (VIP)" by the Editorial Office and the Refeeres.



Recent years have witnessed a resurgence of novel, efficient and practical protocols for radical-mediated cross coupling reactions involving N-(acyloxy)phthalimides (NHPI esters) as redox-active esters. After the initial discovery of redox active properties of NHPI

esters, an exciting range of SET-based cross coupling reactions under thermal or photolytic conditions leading to diverse C-X (X = C, B, Si, Se, S) bonds have been published. The operational simplicity and broad applicability exhibited in redox active NHPI ester based cross couplings bode well for its widespread adoption. The review presented herein covers all the recent developments in the field of redox active ester (RAE)-based cross couplings since the initial discovery. Depending on the conditions employed the reactions have been categorized in to photoinduced- and non-photoinduced cross couplings with representative examples and insightful mechanistic discussions.

Department of Electrical Engineering

1. Mahesh Kumar, Assistant Professor, Department of Electrical Engineering, has been selected for 2017 the Institute for Smart Structures and Systems (ISSS) Young Scientist Award by. He will be sharing this award with another young researcher, and it will be presented at the Eighth ISSS International Conference on Smart Materials, Structures & Systems being organised during 5-7 July 2017 at the Indian Institute of Science, Bangalore. The award carries an ISSS Medal, a Citation, and a cash prize of Rs. 50,000.

Department of Humanities & Social Sciences

- 1. The Public Outreach Grant from the Deutches Muesuem and the Rachel Carson Center for Environment and Society, University of Munich, Germany, of the year 2017-18, was awarded to Vidya Sarveswaran, of Department of Humanities & Social Sciences, for making a documentary film on society.
- 2. Can wisdom be fostered: Time to test the model of wisdom authored by Ankita Sharma, Assistant Professor and Roshan Lal Dewangan, Research Associate, Department of Humanities & Social Sciences has been published in Cogent Psychology (Volume 4, Issue 1). The article mentions about the authors' research on aspects of wisdom using Western models within a South Asian context. A review note in recognition of the work has been published by Center for Practical Wisdom, The University of Chicago on their website.

Outreach

The following Outreach activities have been undertaken by the Faculty Members at IIT Jodhpur during the FY 2017-18.

5th GIAN Course on Advanced Materials and Future Technologies for Solar Energy Conversion 8-12 January 2018

The fifth course under GIAN Program at IIT Jodhpur on Advanced Materials and Future Technologies for Solar Energy Conversion was organised during 8-12 January 2018. Ritu Gupta, Assistant Professor, IIT Jodhpur, Mukundan Thelakkat, Professor, University of Bayreuth and Giridhar U. Kulkarni, Professor, Centre for Nano and Soft Matter Sciences, Bangalore were the key resource persons. The course was attended by participants from 16 institutes and organisations, including 9 Faculty Members, 21 Students and 1 participant from industry and research organisations. The Course had 13 expert lectures, and 25 participants credited for the course. Rakesh K. Sharma, Head, Department of Chemistry Department, IIT Jodhpur, extended a warm welcome to the international Faculty Member as well as participants, and set up the stage with his inspiring opening remarks. B. Ravindra, Head, Department of Mechanical Engineering, IIT Jodhpur and Local GIAN Coordinator, briefed the participants about the vision

behind the GIAN Program and discussed the possibility of joint research partnership

between University of Bayreuth and IIT Jodhpur.



Group Photo of Participants of GIAN Program, Faculty Members, Staff Members and Students of Department of Chemistry with Invited Guests

National Workshop on Human-Centered Robotics (NWHCR'18), 17-18 March 2018

A National Workshop on Human-Centered Robotics (NWHCR'18) was organised at IIT Jodhpur, in collaboration with *The Robotics Society (TRS)* during 17-18 March 2018. The workshop had two Keynote Talks, seven Expert Lectures and a Panel Discussion in the area of Human-Centered Robotics by eminent Professors, Scientists, and Researchers from Academia, R&D Organizations and Industry. The workshop received a very encouraging response, and was attended by more than 90 participants. The workshop emphasized bringing forward various problems and research opportunities in the area of Human-Centered Robotics. More specifically, it focused on robotic rehabilitation, medical robotics, and robotic simulators for training of human, assistive robotics, robot navigation in a human environment, robot learning from human and safe robots.

Kaushal A. Desai, General Chair and Head, Department of Mechanical Engineering, welcomed the participants and experts to the workshop. The workshop was inaugurated by K. Madhava Krishna, Professor, IIIT Hyderabad. S. Bandyopadhyay, Professor, IIT Madras, Ranjan Dasgupta, TCS Innovation Lab, Kolkata. U. K. Singh, Director, Defence Bio-engineering and Electro-medical Lab., DRDO and S. K. Saha, Professor, IIT Delhi delivered keynote talks, and K. Madhava Krishna, Professor, IIIT Hyderabad, delivered the inaugural invited talk. This was followed by the invited talks by S. Bandyopadhyay, Professor, IIT Madras, B. Ravindran, Professor, IIT Madras, Sudipto Mukherjee, Professor, IIT Delhi, Arun Dayal Udai, Professor, BIT Mesra, and Vineet Vashistha, Professor, IIT Gandhinagar. The workshop concluded with a panel discussion on challenges, opportunity, and road ahead in the area. The panel discussion was steered by S. K. Saha, Professor, IIT Delhi with panel members as S. Bandyopadhyay, Professor, IIT Madras, Vineet Vashistha, Professor, IIT Gandhinagar, A. K. Yadav, Defence Lab Jodhpur, Abhay Elhence, Professor, AIIMS Jodhpur, Ranjan Dasgupta, TCS Innovation Lab, Kolkata, and Suril V. Shah, Assistant Professor, IIT Jodhpur.

Also, the workshop provided an opportunity to the participants to showcase their research in the forms of posters and demonstrations and to experts to get their valuable inputs. The participants were taken to Robotics Laboratory at IIT Jodhpur and explained the ongoing research and were made aware of the facilities available in the Institute.



Group Photo of the Participants of NWHCR'18

EVENTS

Celebration of National Festivals & Observance of Days of National Importance

Third International Yoga Day

The Third International Yoga Day was organized on 21 June 2017 at GPRA Residential Campus of IIT Jodhpur. Faculty, Staff and Students actively participated in the event.



Yoga Instructor demonstrating to the participants



Yoga session in progress

71st Independence Day Celebration

The 71st Independence Day of the Nation was celebrated by Members of IIT Jodhpur, on 15 August 2017 at the First Building of the Permanent Campus in Karwad Village. The Director hoisted the National Flag, and the National Anthem was patriotically sung by all present.



Flag Hosting by Director IIT Jodhpur on 15 August 2017



Faculty and Staff Members participated in Independence Day Celebration



Cultural Program by IIT Jodhpur Students on 15 August 2017

Birth Anniversary of Sardar Vallabhbhai Patel Celebrated at IITechnology Jodhpur

Birth Anniversary of Sardar Vallabhbhai Patel also known as *The Unifier of India*, was celebrated in the Institute on 31 October 2017. A five-kilometer *Run for Unity* was organized for the residents on this occassion. The Faculty Members, Staff Members, their family members and Students took active part in this activity. Thereafter, a pledge taking ceremony was organized for employees of IIT Jodhpur.







Distribution of Prizes to participants of Run for Unity

Vigilance Awareness Week 2017 Observed at Indian Institute of Technology Jodhpur

Vigilance Awareness Week 2017 was celebrated in Indian Institute of Technology Jodhpur as per CVC guidelines from 30 October 2017 to 4 November 2017. The Pledge of Integrity was administered by Director, IIT Jodhpur in the presence of Professor Gaurav Harit, Chief Vigilance Officer of the Institute for all Faculty and Staff Members on 30 October 2017.

A lecture by Shri Akhil Saxena, Principal, Regional Training Center, Intelligence Bureau was organized on 01 November 2017 at the IIT Jodhpur. All Faculty Members, Students and Staff Members attended the lecture and appreciated it. Essay Writing and Presentation competitions on the topic Role of Technology in Eradicating Corruption, was organized by the Chief Vigilance Officer on 02 November 2017 in the Institute for all residents. Also, an elocution competition on the theme My Vision – Corruption Free India, was organized by the Chief Vigilance Officer on 03 November 2017 in the Institute. In these competitions the participants expressed their thoughts and ideas to make India free of corruption.



The pledge of Integrity administered by the Director, IIT Jodhpur



Essay Writing and Presentation competitions





As a part of Vigilance Awareness Week Program, Advisor (Administration) administering Integrity Pledge to the Students of Kendriya Vidyalaya IIT Jodhpur

Celebration of Children's Day

The Cultural and Literary Society, Students Gymkhana, and Student Counseling Services of IIT Jodhpur organized a musical night on the occasion of Children's Day on 14 November 2017. The Faculty Members and Staff Members along with their family members were invited to attend and participate in the program. Wards of Faculty Members and Staff Members actively took part in the musical program.



Wards of IIT Jodhpur Employees rendering a song on the occasion



Ankita Sharma, Chairperson, Student Counseling Service, addressing the audience

Ek Bharat Shreshth Bharat celebrated at IIT Jodhpur

Ek Bharat Shreshth Bharat is an initiative launched by the Government of India to foster national integration by a coordinated mutual engagement process between States, Union Territories, Central Ministries, Educational Institutions and general public through linguistic, literary, cultural, sports, tourism and other forms of people-to-people exchanges.

A program *Melodious Assam* organized by Students of Cultural and Literacy Society, Students Gymkhana, IIT Jodhpur, on 12 January 2018, which is celebrated as the National Youth Day. It began with a presentation about the life of the illustrious Swami Vivekananda, who was born on this day. An impromptu music performance enhanced the evening. To celebrate Assam's rich cultural heritage, Assamese songs from different era were performed by Students and Faculty Members, followed by a poetry recital that captured the essence of India's diverse yet universal identity.







Assamese song Istirno Parore by Prodyut R. Chakraborty

69th Republic Day Celebration

The 69th Republic Day of the Nation was celebrated by Members of IIT Jodhpur, on 26 January 2018 in front of the Administrative Block of the Permanent Campus. The Director hoisted the National Flag, and the National Anthem was patriotically sung by all present.



Flag Hosting by Director IIT Jodhpur on 26 January 2018



Faculty Members, Staff Memebrs and Students during Republic Day Celebration



Cultural Program by Students of IIT Jodhpur on 26 January 2018

Harmony Workshop

A 3-day *Harmony Workshop for Value-based Education* was organized in the Institute during 20-22 April 2017. Professor Rajeev Sangal, Director IIT BHU, Varanasi, (pioneers of this initiative in IIT system) and Professor R. Pradeep Kumar, Professor and Registrar, IIIT Hyderabad, the pioneers of this initiative were the key resource persons for this workshop. The program was attended by the Faculty Members, the critical stakeholders in the Institute, Faculty Members from All Indian Institute of Medical Sciences, Jodhpur, and special guests from Kendriya Vidyalaya Sangathan, Jaipur.







Participants engrossed in a group work

Foundation Day Celebrated at Department of Bioscience & Bioengineering

The Department of Bioscience and Bioengineering celebrated its Foundation Day during 15-16 February 2018. The program had six Expert Lectures and a Panel Discussion in the area of Bioscience & Bioengineering by eminent Professors from Academia and R&D organisations. Sushmita Jha, Assistant Professor and Head of the Department of Bioscience & Bioengineering welcomed the Participants and Experts to the Program. This was followed by invited talks by Debashis Mitra, Director, Centre for DNA Fingerprinting and Diagnostics, Hyderabad, Rakesh Bhatnagar, Professor, School of Biotechnology, Jawaharlal Nehru University, New Delhi, Nihar Ranjan Jana, Professor, National Brain Research Centre, Gurgaon, Dipankar Nandi, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore, Anirban Basu, Professor, National Brain Research Centre, Gurgaon and Amitabha Mukhopadhyay, Professor, National Institute of Immunology, New Delhi. Also, the workshop provided an opportunity to the participants to discuss their research and future roadmap for the Department of Bioscience & Bioengineering with the experts to get valuable inputs.





Professor Amitabha Mukhopadhyay addressing the participants.

Professor Nihar Ranjan Jana, addressing the participants.



Group Photo of Faculty Members and Students with Invited Guests

Visitors to the Institute

Shri Vijay Goel, Union Minister of State for Statistics & Program Implementation, visits IIT Jodhpur

Shri Vijay Goel, Union Minister of State for Statistics & Program Implementation, visited IIT Jodhpur on 23 February 2018. Upon arrival, he hoisted the flag of the Ministry and held a meeting with Director, Associate Deans, Heads and Professors In-charge of the Institute, along with Engineers of CPWD (who are the construction partners of IIT Jodhpur). A presentation was made on the development of the work at the Institute. Then, he visited some facilities in the Institute like the Berm, Lecture Hall Building, Service Tunnel and Student Hostels. Before the departure, Shri Vijay Goel planted a tree in front of the Institute Building as a mark of his first visit to the Institute. Mr. Narayan Lal Panchariya, Rajya Sabha Member of Parliament in Rajasthan, joined the Minister on the occasion.



Flag Hoisting by Shri Vijay Goel, Honourable Minister of State, Statistics & Program Implementation



Review of Development of the Institute



Visit to the Service Tunnel



Visit to the Lecture Hall Building



Tree Plantation

Inter-IIT Sports Meet

IIT Jodhpur's Participation

Faculty Members and Staff Members of IIT Jodhpur actively participated in the 24th Inter-IIT Staff Sports Meet during 25-30 December 2017 by IIT Madras. The Faculty Members and Staff Members participated in Cricket, Badminton, Table Tennis, and Athletics. Alongside, Students also participated in the 46th Inter-IIT Sports Meet held during 21-24 December 2017 at IIT Madras.

IIT Jodhpur moves into its Permanent Campus

IIT Jodhpur moved into its sprawling Permanent Campus located on NH 65, Nagaur Road, Karwar (Village), Jodhpur (City) during May – June 2017. By shifting its entire academic activities to its Permanent Campus, the Institute crossed a major milestone. This new campus has been planned meticulously and envisioned to stand as a symbol of academics – simple, but deep. More importantly, it will be an international exemplar of sustainability with strategies for ensuring NET ZERO ENERGY, WATER and WASTE. The other salient features of the Permanent Campus are:

- (1) Walking campus, which is pedestrian oriented and bicycle dominant;
- (2) Learning facilitated anywhere, anytime with wireless ICT backbone (including Multimedia enabled learning spaces with flexible, shared public spaces);
- (3) Thermally comfortable smart buildings with GRIHA 4/5 star compliant buildings and GRIHA LD benchmark campus (including dense desert settlement morphology, low height buildings (up to a maximum of 3 storeys) built with low embodied energy materials, and improved local and traditional methods);
- (4) Plantation with native species, soil stabilization, protection from dusty wind to arrest erosion, desertification, and building-up soil moisture over time;
- (5) Rain water harvesting, and water reduction and sewage recycling, together greening the site over time; and
- (6) Segregated wastes and customized recycling.

For its copybook-style Master Plan, IIT Jodhpur's Permanent Campus was selected for the 2017 Exemplary Performance Award in the 'Passive Architecture Design' category by the Green Rating for Integrated Habitat Assessment (GRIHA) Council of the Ministry of Urban Development, Government of India.

The work towards Phase 1 Development of the Permanent Campus was completed by Central Public Works Department, in association with M/s NCC Limited, for an amount of Rs. 496 Crores; the work towards Phase 2 Development commenced in October 2017 with M/s Tata Projects Limited for an amount of Rs. 549 Crores. This development work was reviewed by Shri Vijay Goel, Union Minister of State for Statistics & Program Implementation, Government of India, during his visit to IIT Jodhpur on 23 February 2018. He visited the different elements of construction undertaken at the Institute.

The Faculty Members relocated into the 60 flats in the *Park Avanue* residential colony. Students moved into the newly constructed *Single AC Room* accommodations in the 5 hostel buildings. A dedicated dining hall building caters to the needs of students and other residents. It has a mess and a canteen that serve hygienic and nutritious food. Alongside the shifting of residents, i.e., the Students, Faculty Members and Officers to the Permanent Campus, the essential services and amenities also were established to facilitate residents in their day-to-day needs. A Primary Health Center was established in the residential area, in collaboration with M/s. Goyal Hospital & Research Center,

Jodhpur, and is ISO:9001 certified. Basic services (like the groceries, dining and food court, bank, stationery, laundry, beauty parlour and salon services) were soon started in the Community Center towards southern side of the Campus. A Kendriya Vidyalaya was started in October 2017, and currently, it runs Classes 1 to 8. It is housed in the First Building of IIT Jodhpur, for the time being. Subsequently, it will move into its own building after Phase 2 Development is complete. There is a dedicated bus service for commuting from the Campus to and from the city of Jodhpur. The construction of quarters for Staff Members is underway and will be ready soon. The photographs in the pages to follow give a glimpse of the Permanent Campus of IIT Jodhpur.



A view of the Main Building of IIT Jodhpur and the adjoining berms



Blue 1: Boys Hostel, IIT Jodhpur



Dusky view of The Learning Hub: IIT Jodhpur Library



ISO Certified Primary Health Center



Department Buildings of IIT Jodhpur: A view from hostels



Dining Hall



A view of Park Avenue: Faculty & Officers Housing during the hailstorm



Shopping Center in the Community Center, Jaisalmer Club





Orientation Program 2017 at Permanent Campus

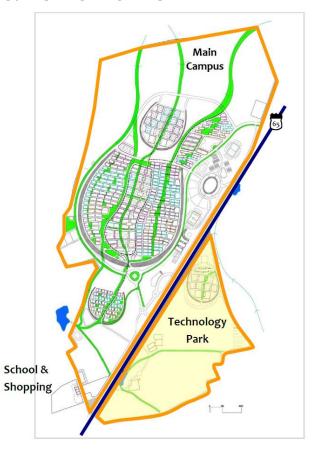


Student Activity @ Lecture Hall Complex



Registration Session of Post Graduate Students at Permanent Campus

ACADEMIC & RESEARCH FACILITIES



Master Plan of IIT Jodhpur's Permanent Campus at Karwad Village on NH65

By relocating to its Permanent Campus, IIT Jodhpur has completely shifted its academic and research operations to its own campus. The Permanent Campus of IIT Jodhpur spreads across 852 acres of land located ~24 km away from the center of the city of Jodhpur on National Highway 65 towards Nagaur, N-NE from the center of Jodhpur. The permanent campus has 3 parcels of land. Presently construction exist in Pockets A and B. By the end of the First Phase of Construction, the buildings that are ready for its academic, research and administrative activities are:

- 1. Main Building, housing all the administrative offices of the Institute;
- 2. *The Learning Hub,* housing the Library of the Institute, and accommodating the Computer Center;
- 3. Lecture Hall Building with 9 classrooms of 60 seating capacity and a 325 and 650 seater classrooms each. All the classrooms are air conditioned, equipped with modern learning facilities like the Internet and audio visual facilities;
- 4. The Basic Laboratories are established in one building;
- 5. Department of Computer Science & Engineering (CSE) Building houses the Departments of CSE, Mathematics, and Humanities & Social Sciences. Also, the laboratories of Computer Science & Engineering are established in this building;
- 6. Departments of Chemistry and Bioscience & Bioengineering are housed in the building of Department of Chemistry;
- 7. Departments of Electrical Engineering and Physics share the space in the building of Department of Electrical Engineering;
- 8. Department of Mechanical Engineering also houses the newly established Department of Metallurgical & Materials Engineeiring;
- 9. Besides these buildings, the First Building of IIT Jodhpur in Pocket B houses the Office of Infrastructure.

Laboratories and Research Facilities

IIT Jodhpur has established state-of-the-art teaching and research laboratories. These advanced laboratories have machinery and devices of international standard, which are actively used in research. After moving to the Permanent Campus, the Institute has centralized the management of its sophisticated instruments under one umbrella, with the formation of the Center for Advanced Scientific Instruments (CASE); norms were approved for use of these expensive equipments by internal and external users. This move will increase utility of these equipments, reduce their downtime and permit sharing of the same with Institutes that do not have such facilities. A separate building is under construction for housing these equipments in one location on campus.

Library

Library of IIT Jodhpur, known as *The Learning Hub*, has a collection of about 12,000 volumes of books comprising of textbooks, research and reference books, monographs etc. In addition, the Library provides access to a range of journal resources from professional and scholarly societies and publishers. The Library operates in a computerized environment with automated member & circulation services, and digital library services. Memberships, circulation, reference & information service, inter library loans & document lending services, current awareness service, digital library service are some of the important services that are presently offered. Besides, the library also houses a Children's Library on its Ground Floor for the children of campus.

Facilities on Campus

Following are some basic facilities that are made available on Permanent Campus of IIT Jodhpur:

- (a) *ATM & Bank:* The IIT Jodhpur Branch of SBI (State Bank of India) and its ATM are housed in the Community Center Building, enabling students and residents to make transactions with ease.
- (b) *Dining Hall:* The Dining Hall Building has a Mess and a Restaurant that cater to the needs of students and employees. They provide hygienic food, fresh juices and various other snacks. The mess offers good quality food, regularly monitored by the Wardens for hygiene and nutritional values, and provided at affordable cost.
- (c) *Gymnasium:* All students hostels have well-equipped gymnasium for students.
- (d) *Entertainment Room:* Every hostel consists of recreation facilities (like TV Rooms, where students can enjoy matches and watch movies) along with indoor games (like table tennis and carroms).
- (e) *Laundry Service*: Students and residents are facilitated with a dedicated laundry service on campus.
- (f) *Shopping Center:* Shops catering to the various primary needs of students and residents, like, grocery, stationery, grooming parlour, milk parlour, are housed in the Community Center Building.
- (g) *Transport Services:* The Institute has a bus service running between the Permanent Campus and Jodhpur City at regular intervals, exclusively for the Students of the Institute.
- (h) *Medical Services:* The Primary Health Center operated by M/s. Goyal Hospital & Research Center Pvt. Ltd., Jodhpur, in the residential area of the Institute, provides routine health services to students and residents of the Campus. Besides this fully functional, round-the-clock, ISO Certified, Primary Health Center in the campus, IIT Jodhpur is fortunate to have in the city an all new state-of-the-art All India Institute of Medical Sciences, the associated Hospitals of the S. N. Medical College and some specialized hospitals. The Institute has agreements with a few prominent hospitals for priority treatment to its employees and students. These include: Goyal Hospital and Research Center, Medi Pulse Hospital, and Vasan Eye Care Hospital. Also, the Institute has constituted a Medical Board consisting of Senior Doctors from the Medical College and the AIIMS; advice is taken for enhancement of medical services of the Health Centers and in critical medical cases. IIT Jodhpur has empanelled two hospitals in Jaipur. These two hospitals are accredited by National Accreditation Board for Hospitals & Healthcare, and patients can be referred to these hospitals as per the need of the treatment.

Computer Center

The Institute has a modern Computer Center, presently running on a gigabit LAN with 1Gbps internet bandwidth. It is the nucleus of all computing activities for Students, Staff Members and Faculty Members. Several terminals running on Windows and GNU/Linux operating systems across the campus provide access to several licensed software, like MatLab, Mathematica, Cadence, Mentor Graphic, Ansys, PSCAD and Solidworks. A 802.11/b/g/n Wi-Fi service is enabled in the academic and residential areas. Also, the Computer Centre hosts a High Performance Computing cluster for scientific research.

Resources

The Institute has five key resources at the Computer Center, namely, the Linux Operating System, SVN Server, GIT Server, OwnCloud and various licensed application software that are used for academic and research purpose, have made it possible to offer the various resources and facilities.

Facilities

The Institute extends three facilities, namely, networking, computing, Internet access, and LDAP and Active Directory ID facilities through its Computer Center.



Services

The Institute offers services like FTP, LDAP, HPC, Web Hosting, Network Connectivity, VPN, EduRoam, and News Group, through its Computer Center.

Library

The Learning Hub, i.e., the library supports teaching and research activities of the Institute by facilitating acquisition, organization and dissemination of knowledge resources, and also by providing library & information services to IIT Jodhpur community. The Learning Hub on the Permanent Campus of the Institute is sited preeminently at the entrance of the academic area of the Institute, stands as the tallest structure on the campus scaling over 15m from the ground; keeps time for the entire campus with a 4-way clock at the clock tower, only the third in the city of Jodhpur. It functions with the guidance of Library Committee, which has representatives from all Departments, and Student Representatives.



The Learning Hub, Library Building in Permanent Campus, IIT Jodhpur

Collection

The Library has a rich and growing collection of 12,000 volumes of books (approx.), which include textbooks, and books of general and reference nature. A wide range of scholarly journals and databases are also subscribed from various sources for the academic and research purposes of the Institute.

Services & Facilities

The following services and facilities are being provided by the Library to its registered users.

- 1. Member & Circulation Services,
- 2. Orientation & User Education,
- 3. Borrowing Facility,
- 4. Reference & Information Service,
- 5. Course Reserves,
- 6. Current Awareness Service,
- 7. Inter Library Loan & Document Supply, and
- 8. Digital Library Facility & Services.

Digital resources are accessible through the Library website, which is a comprehensive site maintained by Library. These include the Library subscribed resources, online catalogue, lists of useful resources accessible in the open domain like the open access journals, books, repositories, video lectures, open courseware. These resources are continuously updated.

Also, Library maintains a portal for hosting bibliographic listing of the Faculty Publications. Additionally, a course guide portal has also been developed and maintained by Library, wherein, resources i.e., books available in Library, subscribed journals, resources accessible in open domain are listed and linked, course-wise. This platform is very useful for the students in finding topical and course-wise resources. Library also provides remote access to the subscribed scholarly resources and antiplagiarism checking.



Stacks & General Section



Course Reserves & Digital Library Section

Appearing below are some vital statistics of Library for FY 2017-18:

S.No.	Description	Statistics
1.	Books added	Total 204
	a. Number of titles added	70
	b. Number of volumes added	204
2.	Number of Scholarly Resources subscribed (For CY 2018)	Total 14
	a. Fulltext resources	13
	b. Research databases	1
3.	Document Supply & Inter Library Loan service requested fulfilled	Total 163
	a. Document supply of articles & research papers	160
	b. Books arranged on Inter Library Loans	3
4.	Circulation Transactions	Total 26122
	a. Number of book check-outs	12,613
	b. Number of book check-ins	12,620
	c. Number of book renewals	874
	d. Number of book recalls	15

Details of Journal Resources

Library has licensed the following journal resources in this year, for teaching, research and private study of its academic community.

- 1. Association of Computing Machinery Digital Library,
- 2. American Chemical Society Journals,
- 3. American Physical Society Journals,
- 4. American Society for Mechanical Engineers Digital Library,
- 5. EBSCO Academic Search Complete,
- 6. IEL (IEEE) Online Digital Library,
- 7. Institute for Studies in Industrial Development (ISID) Database,
- 8. IStor Archives,
- 9. MathSciNet,
- 10. Nature Journal,
- 11. Oxford University Press Journals,
- 12. Elsevier Science Journals,
- 13. Society of Industrial & Applied Mathematics Journals, and
- 14. Springer Journals.

Also, the Library is a core member of the *eShodhSindhu: Consortium for Higher Education Electronic Resources*, operated by INFLIBNET Center, Gandhinagar, through which subscriptions to major resources are fulfilled. Besides, the Library is a member of *DEveloping Libraries NETwork (DELNET)*, *New Delhi* through which the Library meets its Inter Library Loan requirements.

Library subscribes to Antiplagiarism Tool and Remote Access Tool for its users. Orientation sessions and Library Instruction sessions for Students are conducted by the Library Staff Members during registration of new students and on demand.

Alongside of providing regular library services, the Library Staff Members are engaged in rendering services in preparation of Institute's publications like the Annual Report, Institute Newsletter; and actively contribute in maintaining the Institute's website and repositories.

Laboratories

IIT Jodhpur has established good number of teaching and research laboratories and facilities, which aid in elevating the students from minimalist academic concerns to inquisitive world of scientific arena. These teaching and research laboratories help Faculty Members and Students work for better future by supplementing and improving existing technologies and bodies of knowledge, using competence, creativity and imagination.

After moving to the Permanent Campus, the Institute has centralized the management of its sophisticated instruments under one umbrella, with the formation of the *Center for Advanced Scientific Instruments (CASE)*; norms were approved for use of these expensive equipments by internal and external users. This move will increase utility of these equipments, reduce their downtime and permit sharing of the same with Institutes that do not have such facilities. A separate building is under construction for housing these equipments in one location on campus.

Appearing below is a department-wise list of laboratories established in IIT Jodhpur whose details are given in the following pages. With the availability of separate building for CASE, the equipment in these laboratories will be moved to the central location.

S.No. Name of the Laboratory

Department of Bioscience & Bioengineering

- 1. Advanced Biosciences and Neuroscience laboratory
- 2. Chemical Biology laboratory
- 3. Environmental Biotechnology Laboratory
- 4. Protein Engineering Laboratory

Department of Chemistry

1. Chemistry Laboratory

Department of Computer Science & Engineering

- 1. Multimedia Laboratory
- 2. Networking Technologies Laboratory

Department of Electrical Engineering

- 1. Control / DSP / Microprocessor Laboratory
- 2. Electronic Circuit Laboratory
- 3. Instrumentation & Communication Laboratory
- 4. Power Electronics Laboratory
- 5. Robotics Laboratory

Department of Mechanical Engineering

- 1. Advance Manufacturing Laboratory
- 2. Central Workshop
- 3. Dynamics & Vibration Laboratory
- 4. Electro Mechanical Energy Conversion Laboratory
- 5. Fluid Mechanics & Heat Transfer Laboratory
- 6. High Temperature Solar Thermal Laboratory

- 7. Materials Testing & Solid Mechanics Laboratory
- 8. Renewable Energy Laboratory
- 9. Solar Radiation Laboratory

Department of Physics

- 1. Biomolecular Information Processing Laboratory
- 2. Magnetic Property Measurement System (MPMS / SQUID) Laboratory
- 3. Materials Analysis Laboratory
- 4. Physics Laboratory

Department of Bioscience & Bioengineering

The Department of Bioscience & Bioengineering (formerly Department of Biology) has the following laboratories for teaching and research purposes.

1. Advanced Biosciences and Neuroscience laboratory

The Advanced Biosciences and Neuroscience laboratory is a part of the center of excellence in biologically inspired systems science (BISS). This laboratory provides cellular and molecular investigative tools for UG and PG teaching and research in neuroscience. Cell culture studies are utilised along with molecular biology, biochemistry and microscopy approaches to elucidate the molecular mechanisms underlying molecular and cellular interactions underlying inflammation and repair. Inflammation is a key component of many diseases including traumatic brain injury, cancer, multiple sclerosis, stroke, asthma, Parkinson's disease and Alzheimer's disease. Inflammation is characterized by accumulation and proliferation of innate immune cells. This is followed by clearance of dead cells and cellular debris along with enhanced expression of molecular mediators called cytokines and chemokines, which cause migration and proliferation of immune cells and may even lead to cell death. Understanding the mechanisms by which inflammation occurs, and the molecular mediators involved in this process, is necessary for identification of potential therapeutic targets.

2. Chemical Biology Laboratory

The Chemical Biology Laboratory deploys cellular and molecular biology approaches to explore the pathogenesis of cancer and other neurodegenerative diseases. Given the interest in neuronal death, it is no wonder that this lab team is interested in E3 ubiquitin ligases essential for quality control events in neuronal survival. Protein ubiquitylation is highly versatile, ordered, the multistep post translation modification enzymatic process that regulates numerous aspects of cell physiology. This lab team has been studying the role of such E3 ligases to find out the role of quality control E3 ubiquitin ligases in maintenance of proteostasis and hence playing a role in cellular survival and death. Such important biochemical findings may contribute to innovative therapeutic approaches for the diseases associated with misfolded proteins.

Organisms at the cellular level possess a well-established protein quality control mechanism which the lab team is trying to understand at present. The role of E3 ubiquitin ligases was reported in such mechanisms so far. Our laboratory is dedicated to

a qualitative research in the field of protein quality control mechanisms. We have recently found that a HECT domain containing E3 ubiquitin ligase E6-AP helps in Amyotrophic Lateral Sclerosis diseases suppression through its association with the misfolded protein aggregates formed by SOD1 mutants. Such findings support that an E3 ligase can have a capability to clear the misfolded protein aggregation. However, while appreciating the incredible efficiency of cellular systems, we must recognize the crucial role of chaperones which are supposed to work preferentially compared to E3 ubiquitin ligases in order to refold the misfolded proteins, and hence conserving the energy utilized during the translation of those proteins. Various examples made us think that we could explore the role of both the chaperones and E3 ubiquitin ligases in the clearance of misfolded proteins. Therefore, now we are working not only with E3 ubiquitin ligases but also with the chaperones and even in their functional association to confer an efficient quality control mechanism to the cell.

3. Environmental Biotechnology Laboratory

The Environmental Biotechnology Laboratory at IIT Jodhpur, in addition to serving various undergraduate and post-graduate courses, undertakes research in the areas of bioenergy and bioremediation. Researchers in the lab investigate on waste to energy conversion processes with an aim to develop sustainable biotechnological solutions to water pollution and energy. At present, successful bioremediation processes for nitrate and chromium (VI) contaminated wastes have been developed. Also, research is underway for the development of low cost Microbial Carbon Capture cells for power generation and algae cultivation. In addition to this, researchers in the lab have been successful in isolating novel yeasts, the potential biodiesel producing candidates.





4. Protein Engineering Laboratory

The Protein Engineering Laboratory at IIT Jodhpur is undertaking cutting edge research in developing biomaterials based on the understanding of structural and functional properties of useful proteins such as collagen. The implications of the research could also extend towards development of effective biomedical devices and implants.



Department of Chemistry

The Department of Chemistry has the following laboratories for teaching and research purposes.

1. Chemistry Laboratory

The core objective of the chemistry laboratory of IIT Jodhpur is to train students in scientific methods that would solve real problems at the frontier of our understanding of the matter. This is a multi-use laboratory and provides a number of resources to assist undergraduate, graduate and Ph.D. students in planning their professional careers after completing their academic program at IIT Jodhpur.

This laboratory maintains a broad spectrum of state-of-the-art instrumentation including basic laboratory set up (for organic, inorganic, organometallic and material synthesis), Nitrogen, Oxygen and LPG gas line, Inert atmosphere boxes, vacuum line work, fume hood pH, conductivity, BOD, COD, meters, Rotary evaporator, Vacuum pumps, centrifuges, High pressure reactor system, Chiller, microbalances, Orbital Shaker, GC, HPLC and Radleys ready reactor. In the academic year 2012-2013, the lab procured equipment such as Polarimeter, Melting point Instrument, Solar Simulator, Digital Titrator, Kugalrohr, Electrochemical work stations, and Battery analysers.

A 500 MHz NMR spectrometer with solid state probe is an essential resource, whose mission is to make a state-of-the-art high field NMR and methods available to researchers, providing a place for them to pursue their projects and develop new methodologies in NMR methods.



Nuclear Magnetic Resonance Spectrometer (500 MHz)



Powder X-ray Diffractometer



Chemistry Laboratory



Scanning Electron Microscope and Electron Dispersion Spectrometer



Solar Simulator



Surface Area Analyzer



Gas Chromatograph



Reactor Ready



Atomic Force Microscope



Fluorescence Spectrometer



Glow Box



High Pressure Reactor

Department of Computer Science & Engineering

The Department of Computer Science & Engineering has the following laboratories for teaching and research purposes.

1. Multimedia Laboratory

The Media Laboratory provides facilities to carry out work related to E-learning, image processing, and computer vision. The thrust areas of research in this lab are: Semantic analysis of video/image content, video surveillance, human motion analysis, document image analysis, content based image retrieval etc. E-learning related activities include video recording, audio-video digitization, video editing, etc. In the academic year 2011-2012, a research on Indian sign language recognition using Kinect has been initiated.

Equipment:

- 1. Scanners: Book Drive Mini, UMAX Powerlook.
- 2. Cameras: Sony 177PD, Sony Camcorder, Cannon 500D VCR: Sony DSR 45AP
- 3. Tripods: Manfrotto, iMac.

2. Networking Technologies Laboratory

Networking Technologies Laboratory has been started functioning in the Academic Year 2011-2012. It aims at enabling undergraduate and graduate students, who pursue their interest in the area of computer networks, to understand the concepts of computer networks and work with contemporary networking equipment in a realistic setting. In addition, the lab aims at providing necessary infrastructure to carry out research activities on advanced topics, such as wireless mesh networks, sensor networks, communication on power lines, from computer networks. The activities that take place in this laboratory are:

- 1. Prototyping of networking hardware (Example, Ethernet switch, IPV4 router etc.) using NetFPGA.
- 2. Developing packet processors using "Click router" modular software framework.
- 3. Establishing infrastructure for the mini-Internet, single-hop wireless networks, multi-hop wireless mesh and sensor networks, power line communication networks, home phone line networks.
- 4. Studies related to the performance analysis of various protocols over on different network configurations.
- 5. Development of novel routing algorithms, transport layer mechanisms, and services for next generation networks.
- 6. Setting up planet-lab infrastructure (which will essentially become part of the global distributed computing platform created over the Internet by connecting over 500+ sites). This allows the students and researchers not only to understand the traffic patterns on the Internet but also to develop new technologies/applications on the Internet for distributed storage, networking mapping, peer-to-peer systems, content distribution service, and cloud computing.

Department of Electrical Engineering

The Department of Electrical Engineering has the following laboratories for teaching and research purposes.

1. Control / DSP / Microprocessor Laboratory

The lab provides software and hardware infrastructure for carrying out experiments in the field of Control Systems, Microprocessor and DSP. Broadly, the lab includes the following experimental setup:

- 1. Control Systems
 - (a) Ball & Beam System from Quanser
 - (b) Magnetic Levitation System from Quanser
 - (c) Inverted Pendulum System from Quanser
 - (d) Software include Scilab / MatLab
- 2. DSP Lab Equipment
- 3. Microprocessor Lab



3. Electronic Circuit Laboratory

In this laboratory the students make and test their analog and digital circuits by using all kinds of circuit components like diode, transistor, op-amps, and clocks. The lab has following equipment:

- 1. Arbitrary Function Generator from Agilent
- 2. Digital Oscilloscope from Agilent
- 3. Programmable Power Supply from Scientific
- 4. 61/2 BIT DMM from Agilent



4. Instrumentation and Communication Laboratory

The mission of Instrumentation and Communication Laboratory is to provide platform for UG and PG students on research and hands-on learning in Measurement and Automation Technology. The state-of-the-art facilities at this laboratory offer innovative research opportunities in the astronomical space of communication and real time measurement technology. The experienced Lab team nurtures students' talent in research and offers an opportunity for developing sophisticated measurement, test, control systems, data analysis system and next generation communication technologies.



Students also develop theoretical and practical competence in (i) building baseband communication circuits, (ii) the application of NI LabVIEW graphical programming software, (iii) the PXI based NI RF/Wireless measurement stand, (iv) evaluating NI WSNs and LabVIEW software, adjusting a software-defined radio system, measuring the parameters of studied antennas and (v) the operation of analog modulation schemes. NI-Lab contains software and hardware subsystems which enable rapid prototyping and development of embedded systems for various applications. Currently, this lab constitutes the following setups:

- 1. NI ELVIS based Communication Systems and Theory Teaching Stand
- 2. Large MIMO Stand for Spectral, Channel Efficiency Studies and New Standard Development
- 3. Protocols Stand for WLAN, WiMAX, GPS, RFID, Zigbee, GSM, CDMA, WCDMA, Bluetooth
- 4. FPGA-enabled Software Defined Radio Stand for Custom Communication Scheme Development and Research
- 5. Basic Analog and Digital Communication Techniques Teaching Stand
- 6. Wireless Sensor Networks Stand
- 7. Signal Intelligence and Wireless Spectral Monitoring Stand
- 8. Wireless Prototype Characterization and Testing Stand
- 9. FPGA based protocol development for base-band studies and signal processing
- 10. VNA based Antenna Characterization Stand
- 11. Fiber Optic Communication Stands
- 12. Network Based Manufacturing
- 13. USRP (Universal Software Radio Peripheral) based wireless communication system for physical layer design, record and playback, signal intelligence, algorithm validation and more.
- 14. Network Communication and Manufacturing Control Stand

After three years of its formation, this lab has contributed immensely to the learning and research activities at IIT Jodhpur. Communications and Networking Lab, Intelligent Instrumentation, System Analysis Techniques and Bio-Sensors courses are being offered through this lab for both graduate and undergraduate students. The lab has provided the right hardware and software tools for many industrial consultancy projects, including the development of DRM/DRM+ IP for digital radio standards, Link budget design for Marine environment, DRFM based Radar echo simulator and Blind Signal Demodulator. Other projects being done in the lab are development of affordable wireless video transmission systems, cognitive radio and Zigbee protocol development.

5. Power Electronics Laboratory

The power electronics laboratory is used for undergraduate studies and research in the area of power electronics based power conversion systems, control systems and drives. The laboratory facilitates for faculty and students to conduct research in the areas power converters and AC/DC micro-grid. The laboratory is equipped with state-of-art test and measurement instruments, converters, power supplies and programming boards. Major equipment available in this lab are:

- 1. High Precision power Analyzer -YOKOGAWA WT3000.
- 2. DSO- Tektronix 200MHz (DPO 2024) and 1GHz (DPO 4104B).
- 3. Function Generator-Tektronix AFG 3021B.
- 4. Power Supply: 0-30V, 1A; 0-32V, 3A; 0-32, 10A.
- 5. Three phase inverter drive.
- 6. Three phase inverter stacks.
- 7. DC-DC converters.
- 8. Differential currents Probes.
- 9. Current clamps.
- 10. Isolation Transformers.
- 11. FPGA training kits and programming boards.



6. Robotics Laboratory

IIT Jodhpur has an advanced robotics laboratory for PG/UG education and research. The infrastructure includes the following:

- 1. Vicon Motion Tracking System
- Mobile Manipulator comprising of Barret WAM ARM mounted on a PowerBot Mobile robot platform
- 3. Pioneer P3-DX mobile robots 10 units
- 4. Turtlebot
- 5. Wheel Chair
- 6. Force Plate
- 7. Infrastructure for Mobile Robotics Navigation, Path-planning, SLAM
- 8. Dynamic and Kinematic Control problem, Redundancy Resolution, Inverse Kinematics of Manipulators and Mobile Manipulators, Visual Servoing, and
- 9. GAIT Analysis and Robot Assisted Rehabilitation



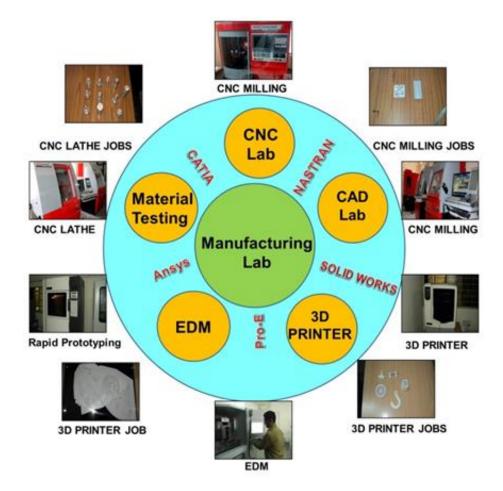
Department of Mechanical Engineering

The Department of Mechanical Engineering has the following laboratories for teaching and research purposes.

1. Advance Manufacturing Laboratory

In the Advance Manufacturing Laboratory, CAD model of object is prepared using 3D modelling software like ProE, SolidWorks, and Catia. FE analysis is carried out using Analysis software like Ansys, Nastran/Patran and precision manufacturing is carried out using CNC programing/CNC machines and Rapid Prototyping Machine/ 3D Printer. The manufactured components are characterised for mechanical behaviour using UTM, Hardness testers, Impact testers etc. The role of CNC machines in increasing flexibility and precision of the product to be manufactured and, increasing productivity are illustrated. The Advance Manufacturing Laboratory of institute is equipped with following facilities:

- 1. CAD Section
- 2. Precision Machining Section
- 3. Rapid Prototyping Section
- 4. Mechanical Behaviour Characterisation section



2. Central Workshop









Central workshop is the central facility of Institute, consisting of various workshops such as Welding shop, Carpentry shop, Fitting shop, Sheet metal shop, Foundry and Heat treatment shop and Machine shop. Undergraduate Students get hands on experience in above sections by doing the job work and carrying out projects as part of their coursework and also students utilize the facilities for fabrication purpose of their academic projects. It also supports the R&D projects of the institute handled by various Faculty Members and Ph.D. and M.Tech. Thesis work of research scholars by providing them assistance in fabrication of their research set-ups.

The following machines and equipment are available in the Central Workshop:

- 1. Welding fume extraction down draft table
- 2. Multi process welding equipment
- 3. Portable single phase MIG/MAG
- 4. AC/DC welding equipment
- 5. MIG/MAG welding equipment
- 6. Treadle operated shearing Machine
- 7. Hand operated Folding Machine
- 8. Kaizen Muffle Furnace
- 9. Hand operated Jeeny or Burying Machine
- 10. Motorized Circle cutting Machine
- 11. Hand operated Circle cutting Machine
- 12. Hydraulic shearing Machine
- 13. Portable Heating Plant
- 14. Portable hardening plant
- 15. Forging Heating Plant
- 16. Aluminium Melting Plant





- 17. Fitting Table
- 18. Mould Making Facility
- 19. Portable Tool Grinder





3. Dynamics and Vibration Laboratory

Dynamics and Vibration Laboratory is well equipped with various mechanisms such as Motorized Gyroscope Apparatus, Static and Dynamic Balancing Apparatus, Universal Governor Apparatus, Coriolis Component of Acceleration Apparatus, Epicyclic Gear Train Apparatus, Cam Analysis Machine Apparatus, Universal Vibration Apparatus, Stroboscope and Tachometer 10 in helping the students to understand the behavior of the various mechanisms and forces acting on them.

In addition, the laboratory is also equipped with various vibration measuring instruments for computing the vibration characteristics of a machine or structures and equipment for vibrating the machine or structures in order to finds its resonance characteristics in various environmental conditions. Following equipment are available for measuring and/or testing vibration characteristics of elements to structures.





4. Electro Mechanical (EM) Energy Conversion Laboratory

In order to familiarize students to Electrical Machines properties & characteristics, IIT Jodhpur has established "Electro Mechanical Energy Conversion Laboratory" and has continually been developing the potential of its lab facility. In this lab, state-of-the-art "Electrical Engineering" facilitates the students to empower their potential by familiarizing themselves with the fundamental of electro-mechanical energy conversion process, including several practical & industrial applications of machines in true applicable environment. This lab occupies conventional as well as modern

equipment to fulfil the basic and modern technological requirements with continual developing efforts.

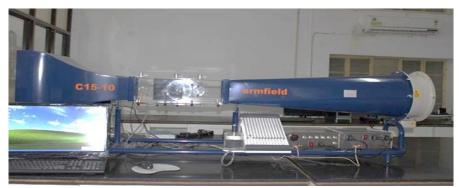


5. Fluid Mechanics and Heat Transfer Laboratory

At Fluid Mechanics Laboratory students learn about the following:

- 1. Analyses and evaluation of experimental data
- 2. Comparison between theoretical models and experimental data
- 3. How to design a fluid mechanical and heat transfer system e.g. a piping system considering various technical aspects, heat exchanger, thermal energy storage, receiver, wind catcher, volumetric air receiver.

In addition to the above, this laboratory aims at generating innovative ideas in students by promoting the design of experiments and small scale projects. At present in the fluid mechanics laboratory are conducted experiments on losses in pipes (smooth/rough) and fittings (e.g. valves, bends), comparison between different flow meters, particle image velocimetry technique, Hot-wire anemometer, labscale sub-sonic wind tunnel for- pressure distribution around a cylinder/air-foil, lift and drag balance, boundary layer development, weather monitoring. Furthermore the lab provides training on standard software, such as, CFAST for fire simulation.



Currently the Heat Transfer Laboratory is equipped with the demonstration of various thermometry techniques, heat exchange system, ventilation system, Natural and forced convection system, heat conduction unit for different materials, lab and industrial-scale solar water heater system, and thermal radiation unit. All these equipment are installed with respective software.

For testing, calibration and research purpose in these laboratories, various equipment such as Laser Doppler Velocimeter with Particle Analyzer, pressure and

temperature calibration, blower with variable flow, pressure transducers, differential pressure transducers, turbine test rig, turbo-machine test rig, IC engine test rig etc., have been procured.

Moreover, multi-purpose test set up is being indigenously designed and the components / sub-systems involved are being fabricated locally. This system aims at investigation and evaluation of solar thermal sub-systems such as volumetric air receiver, thermal energy storage, air-water heat exchange systems and their simultaneous operation. Devices such as earth air heat exchange system, wind catcher, and air-cooled heat exchange systems are being fabricated and tested for certain applications.

6. High Temperature Solar Thermal Laboratory

Six laboratories are being set-up under the MNRE funded project entitled as "Establishment of Center of Excellence in Solar Thermal Research and Education at IIT Jodhpur". High Temperature Solar Thermal Laboratory is one of these specialized laboratories. The aim of this laboratory is:

- 1. Fundamental aspects of fluid flow and heat transfer related problems, like, dust deposition
- 2. Design and analysis of sub-systems for concentrated solar thermal systems

Some of the sub-systems being designed and analyzed in this laboratory are:

- (a) Open Volumetric Air Receiver for process heat applications
- (b) Compact heat exchanger
- (c) Solar Convective Furnace

This laboratory includes test facility, such as, Solar Air Tower Simulator (SATS) facility, advanced research grade equipment like Laser Doppler Velocimetry. SATS facility includes,



open volumetric air receiver, thermal energy storage, air-water heat exchanger and is being extended with solar convective furnace.

7. Material Testing and Solid Mechanics Laboratory

The material testing lab of the institute provides facilities to test samples of different types of materials to find out their mechanical properties like modulus of elasticity, tensile and compressive strength, stress strain curve, bending properties, hardness etc. The lab is equipped with following test equipment:

- 1. Universal testing Machine 5-50 kN
- 2. Rockwell Tester
- 3. Brinell Tester
- 4. Vickers Tester
- 5. Poldi Hardness Tester
- 6. Portable hardness tester

8. Renewable Energy Laboratory

To resolve most daunting challenge of this world—energy needs—and also our nation's heavy reliance on fossil fuels, Renewable Energy Laboratory (REL) promotes rigorous and objective empirical research at IIT Jodhpur on issues related to energy and environment. REL focuses on designing, testing, and disseminating renewable and efficient energy system. The mission of REL is to help these technologies to realize their full potential to contribute to environmentally



sustainable development in industrial and developing countries. In the renewable energy field, expert faculty and students at this Laboratory are currently striving to create an innovative system to efficiently harness energy from sunlight and wind power. REL has computer interfaced systems and approximately 30 students can work at a time. Students are the greatest resource of REL and IIT Jodhpur has made substantial commitment to the area of renewable energy and been providing all required resources to execute a viable plan and innovative research at REL. One aspect of the evolution of REL is the development of collaborative partnership with other academic and industrial groups. In the near future, it will be a hub for training and public-private sector collaboration. Recently, the lab has started a consultancy project, with Panasonic R & D India Pvt. Ltd., on the prototyping of microbial fuel cells. In addition, the lab has started work on data collection, interpretation, and analysis of PV power plants less than 5 MW in Rajasthan and Gujarat. The Renewable Energy Laboratory uses the following equipment:

- 1. Wind power of 2KW Charge controller ~12V, Synchronous generator with permanent magnets ~12V, Lamp board ~12V, Off grid inverter *etc*.
- 2. PEM Fuel cell Fuel cell with DC converter, Electronic load, Metal hydride storage cell, Electrolyser, 200W/20V/10A.
- 3. Advanced Photovoltaics Solar module simulation model 23V/2A, Solar module with solar altitude emulator, Solar charge controller 12/24V, 6A, Solar accumulator 12V, 7Ah, Off grid inverter 230V, 275VA etc.
- 4. Combined RF/DC Sputtering Unit for Coatings Applications.

9. Solar Radiation Laboratory

The Ministry of New and Renewable Energy (MNRE) has selected the IIT Jodhpur campus site as one of their solar radiation centers. Solar radiation measurement (Global and Direct), Humidity, Ambient temperature, Rain gauge and wind speed measurement are carried out at this center and the data is transmitted via a satellite link to the MNRE nodal center C-WET in Chennai. The instruments in this laboratory are powered by a couple of solar panels. The data collected from this center enables the solar resource assessment required for the setting up of solar thermal and solar photovoltaic power plants as outlined in the Jawaharlal Nehru National Solar Mission (JNNSM).



Department of Physics

The Department of Physics has the following laboratories for teaching and research purposes.

1. Biomolecular Information Processing laboratory

This laboratory is involved in the understanding of information processing by various kinds of biomolecules and related synthetic molecules. The process involves in using a single molecule first and then a group of molecule on a given interface. The interaction among the molecules in a given external stimuli will help us understanding the communication among them.



2. Magnetic Property Measurement System (MPMS/SQUID)

IIT Jodhpur has created an excellent facility in the field of material characterization. Recently an additional dimension has been added to it by procuring magnetic property measurement system (MPMS). MPMS (SQUID) is getting installed in coming few months. This will provide a wide temperature 2 K – 1000 K range for both DC and AC magnetic measurements in conjunction with field dependent magnetic measurements. Such measurements will help to understand magnetic properties and associated spin dynamics in magnetic materials.

3. Materials Analysis Laboratory



The research focuses on the development of novel materials for different applications including materials for energy generation and storage. The current work includes the development of solution processable CIGS compound semiconductor materials for solar cell applications and transition metal oxide based materials for lithium ion batteries and supercapacitor applications. The laboratory is equipped with synthesis of bulk and thin films techniques such as sputtering, sol-gel process assembly etc., and numerous characterization techniques such as X-ray diffraction, Scanning electron microscope, Optical spectroscopic techniques, LCR meter, ferroic measurement system for bulk samples etc.

In addition, the group is also focusing on the development of multifunctional materials for different applications such as solar selective coatings, ferroic materials for high frequency absorbing system, and magnetic particles for different applications. The laboratory is equipped with state-of-the-art facilities to carry out thermal analysis, electrochemical analysis, surface morphology studies, separation techniques for chemicals, electrical conductivity measurement devices, glove box etc.

4. Physics Laboratory

The mission of the Physics laboratory at IIT Jodhpur is to provide students with experiential knowledge in basic physics. This laboratory has state-of-the-art facilities including specific equipment and is currently offering different experiments in Mechanics, Waves, Electricity, Magnetism, and Optics. Now the lab has facilities for experimenting with Speed of Light, Zeeman Effect, and Michelson Interferometer.



Primary Health Center

IIT Jodhpur provides round the clock health care facilities to Students, Faculty and Staff Members of the Institute, at its Permanent Campus. This fully equipped and self-sufficient facility is run by M/s. Goyal Hospital & Research Center Private Limited, Jodhpur. Presently, the following facilities available at the Primary Health Center (PHC).

- 1. Qualified Medical Doctors,
- 2. Regular Visits of Specialist Doctors,
- 3. Paramedical Staff,
- 4. Physiotherapy Unit,
- 5. Pharmacy,
- 6. 24 Hours Emergency Room, and
- 7. an ICU Ambulance.

Besides this fully functional, round-the-clock, ISO Certified, Primary Health Center (PHC) in the campus, IIT Jodhpur is fortunate to have in the city an all new state-of-the-art All India Institute of Medical Sciences, the associated Hospitals of the S. N. Medical College and some specialized hospitals. The Institute has agreements with a few prominent hospitals for priority treatment to its employees and students. These include: Goyal Hospital and Research Center, Medi Pulse Hospital, and Vasan Eye Care Hospital.

The Health Center coordinates and supervises the treatment of students, employees, and their dependents during hospitalization in other hospitals that are empaneled by the Institute, to provide in-patient care. On request, the Health Center extends its health care services to Institute visitors during their stay in the residential campus. Under emergency circumstances medical services are also extended to the non-IIT Jodhpur community residents in the residential campus. Details like patient records, medicine procurement/disbursement, assets, equipment of Health Center are all computerized.

Sports Facilities

Sports and games facilities to students are provided on campus. Facilities for playing Basket Ball, Volley Ball, Cricket, Lawn Tennis and Table Tennis have been developed. Jogging and running track is available. There is a modest badminton facility in every hostel. Development of facilities for few more sports are underway. Students also enjoy a gymnasium facility at the residential campus.





Lawn Tennis Court in Permanent Campus of IIT Jodhpur

Basket Ball Court in Permanent Campus of IIT Jodhpur

SC/ST Cell

An SC/ST Cell for ensuring the proper utilization and adaptation of reservation policies and guidelines issued by the Government of India, is functional at IIT Jodhpur. The Cell deals with matters related to grievances received from SC/ST and OBC employees and students in the Institute. The Cell acts as a communicator between the Institute and the Ministry of Human Research and Development in matters related to SC/ST and OBC students and employees in the Institute. IIT Jodhpur has adopted the reservation policy while selecting the students for MCM scholarship. In addition, a substantial number of SC students whose total family income is limited to Rs. 6 lakhs per annum, are deriving the benefit of Central Sector Scholarship of Top Class Education available from the Ministry of Social Justice and Empowerment.



Women Cell

The Women Cell, IIT Jodhpur, functions in accordance with the provisions contained in Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013. The following are some activities organized by the Women Cell during FY 2017-18.

Celebration of 2018 International Women's Day

The 2018 International Women's Day was celebrated at the Indian Institute of Technology Jodhpur on 16 March 2018. The program was organized by the Women Cell, IIT Jodhpur. The program started at 6 pm. *Kshema Prakash, Convener, Women Cell, IIT Jodhpur*, introduced the program to the guest gathering and shared that continuing the initiative of organizing *Spring Activities* in the Institute, the Women Cell of IIT Jodhpur organized an *Extempore Speech Contest* and a *Quiz Competition* their Students and Employees, ahead of time. During this program, Prizes and Certificates of Appreciation were given away to the winners and participants.

Sanjana Malhotra, Zilla Swacch Bharat Prerak, Ministry of Drinking Water & Sanitation, Jodhpur District, graced the occasion as the Chief Guest and delivered key note address. She shared her experience as Zilla Swacch Bharat Prerak and how to work towards alleviation of difficulties that women face, particularly, in rural areas where sanitation is a major challenge.

Thereafter, *Professor Madhu Dixit*, Professor In-charge, Department of Bioscience & Bioengineering, IIT Jodhpur, shared her views about the event and highlighted the contribution of Indian women across the world. She then presented a memento to Sanjana Malhotra. In closing *Professor Kirankumar Hiremath*, Member, Women Cell, IIT Jodhpur, proposed a vote of thanks.



2018 International Women's Day Celebration: Sanjana Malhotra, Zilla Swacchh Bharat Prerak, Jodhpur giving away prizes and certificates to the participants of Spring 2018 Competitions



2018 International Women's Day Celebration: Sanjana Malhotra, Zilla Swacchh Bharat Prerak, Jodhpur, delivering keynote address

STUDENT ACTIVITIES

Students Gymkhana

Students Gymkhana is the organized system of self-governance of the activities of the Student Body at the Institute level. The Students Gymkhana of IIT Jodhpur is established to:

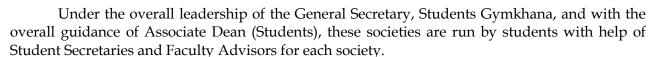
- (1) Uphold the spirit of cooperation, fraternity and social bonding among all Students of the Institute, and
- (2) Provide a platform for organizing themselves, undertake self-governance, and organize creative activities for the all-rounded mental, physical, social and cultural growth of students.

Similarly, the student activities at the hostel level are organised through Students Regatta.

The Students of the Institute associate and establish the *Constitution of the Students Gymkhana* in keeping with the tenets of the Gymkhana, and agree to abide by it in all walks of life during their student life. The *Students Gymkhana* hosts its activities through seven Student Societies, and in turn, each Society comprises of several clubs. A Society is a thematic community of students, furthering the cause of the theme among the students. These societies fulfil the varied interests of the students and contribute to their holistic development.

These seven societies are:

- (1) Sports & Games Society,
- (2) Cultural & Literary Society,
- (3) Design & Arts Society,
- (4) Science & Technology Society,
- (5) Academics & Careers Society,
- (6) Campus Life Society, and
- (7) Elected Representatives Society.



(1) Sports & Games Society



Sports & Games produce remarkable athletes, and can nurture humble human beings, who have internalised:

- (1) The grace of learning to face victory with humility and defeat with grace; and
- (2) The force multiplier effect of teamwork.

The Sports & Games Society has been formed with an intent to promote this spirit, by providing to the campus community facilities for sports & games. This Society aims to inculcate this as essential part of every student's life. This society deals with all the sports (formal physical activities carried out under an agreed set of formal rules with the intent of competition, self-enjoyment or a combination of these intents) and games (informal physical activities carried out under a mutually agreed set of informal rules with the intent of recreation) at the Institute level. It



is headed by the Student Secretary (Sports & Games Society), and its membership consists of:

- (i) Captains of all Institute Teams of the various Sports and Games; and
- (ii) Hostel Secretary (Sports & Games Society) of all the Hostels.

The Sports & Games Society of IIT Jodhpur Students Gymkhana formally adopts all Student Sports & Games, which are included in the annual Inter-IIT Students Sports Meet. These sports include Aquatics, Athletics, Badminton, Basketball, Bridge, Chess, Cricket, Football, Gymnastics, Hockey, Kabaddi, Lawn Tennis, Squash, Table Tennis, Volleyball and Weightlifting.

(2) Culture & Literary Society



Student Culture & Literary activities produce remarkable citizens of the country, and can nurture knowledgeable and skilled human beings, who have internalised:

- (1) The diverse cultures of India with equal respect for all; and
- (2) The richness of traditional & modern literature of India with desire to share with others.

With this intent of promoting this spirit, Students Gymkhana of IIT Jodhpur provides to the campus community facilities for culture & literary activities. The Student Culture & Literary Society of IIT Jodhpur aims to inculcate this as essential part of every student's life.

This society deals with all the cultural and literary activities at the Institute level. It is headed by the Student Secretary (Cultural & Literary Society), and its membership consists of:

- (i) Captains of all Institute Teams of the various Cultural and Literary activities; and
- (ii) Hostel Secretary (Cultural & Literary Society) of all the Hostels.

The Cultural & Literary Society of IIT Jodhpur Students Gymkhana formally adopts all Student Culture & Literary activities, which are included in the annual Inter-IIT level and other national level Students Culture & Literary Festivals. These include Student Music Activities, Student Dance Activities, Student Drama Activities, Student Film Activities, Student Literature Activities, Student Quiz Activities, Student Book Activities and Student Newsletter Activities as a Club each.

(3) Design & Arts Society



Design & Arts activities produce skilful citizens of the country, and can nurture artistic and skilled human beings, who have internalised:

- (1) The diverse creative arts & crafts of India with equal respect for all; and
- (2) The richness of traditional & modern designs of India with desire to share with others.

With this intent of promoting this spirit, Students Gymkhana of IIT Jodhpur provides to the campus community facilities for culture & literary activities. The Student Design & Arts Society of IIT Jodhpur aims to inculcate this as essential part of every student's life.

This society deals with all the design and arts activities at the Institute level. It is headed by the Student Secretary (Design & Arts Society), and its membership consists of:

- (i) Captains of all Institute Teams of the various design and arts activities; and
- (ii) Hostel Secretary (Design & Arts Society) of all the Hostels.

The Design & Arts Society of IIT Jodhpur Students Gymkhana formally adopts all Student design and arts activities, which are included in the annual Inter-IIT level and other national level Students Design & Arts Festivals. These include Student Animation Activities, Student Design Activities, Student Fine Arts Activities, Student FM Radio Activities, Student Photography, Student Media, and Student Cinematography as a Club each.

(4) Science & Technology Society



Science & Technology activities produce skilful citizens of the country, and can nurture artistic and skilled human beings, who have internalised:

- (1) The intriguing magic of science and importance of basic, applied and targeted research; and
- (2) The challenges of undertaking technology development for the good of the nation.

Students Gymkhana of IIT Jodhpur intends to promote this inquisitiveness towards science and technology, by providing to the campus community facilities for Science & Technology activities. The Student Science & Technology Society of IIT Jodhpur aims to inculcate this as essential training of every student at the Institute.

This society deals with all the science and technology activities at the Institute level. It is headed by the Student Secretary (Science & Technology Society), and its membership consists of:

- (i) Captains of all Institute Teams of the various Science and Technology activities; and
- (ii) Hostel Secretary (Science & Technology Society) of all the Hostels.

The Science & Technology Society of IIT Jodhpur Students Gymkhana formally adopts all Student Science & Technology activities, which are included in the annual Inter-IIT level and other national level Students Science & Technology Festivals. These include Student Automobile Activities, Student Robotics Activities, Student Astronomy Activities, Student Aeromodeling Activities, Student Science Activities, Student Electronics Activities and Student Computer Programming Activities as a Club each.

(5) Academics & Careers Society



Academics & Careers are two basic premises of presence of student at the Institute. Each student is expected to internalise:

- (1) A basic competence (knowledge, skill and attitude) in the discipline of the Program registered for; and
- (2) Clarity on distinction between jobs and careers, and prepare for a planned career in the discipline chosen for the study.

Students Gymkhana of IIT Jodhpur wishes to provide a platform to students to represent their desires, difficulties and concerns during the process of education, by providing a mechanism

of representation through the Academics & Careers Society. The Student Academics & Careers Society of IIT Jodhpur aims to actively contribute to providing inputs on academic programs, curricula, teaching and infrastructure through the Office of Academics of the Institute.

This society deals with all the student academics and careers related activities at the Institute level. It is headed by the Student Secretary (Academics & Careers Society), and its membership consists of:

- (i) Captains of all Institute Clubs of the various student Academics and Careers related activities; and
- (ii) Hostel Secretary (Academics & Careers Society) of all the Hostels.

The Academics & Careers Society of IIT Jodhpur Students Gymkhana formally adopts all Student Academics & Careers activities, which are included in the annual Inter-IIT level and other national level Students Academics & Careers Events. These include Student Career Planning Activities, Student Communications Development Activities, Student Entrepreneurship Skills Development Activities and Student Personality Development Activities as a Club each.

(6) Campus Life Society



Campus Fraternity of students needs to build the personal side of students of life, beyond the purpose of building academic side of life at the Institute. Each student is expected to internalise issues associated with:

- (1) The basic needs of shelter and food; and
- (2) The safety, health and hygiene.

To provide a platform to students to get real-life experiences and to improve quality of holistic life of students on campus, the Campus Life Society was formed. Also, Students Gymkhana and Students Regatta of IIT Jodhpur actively help in providing the needed interactions and experiences to be able to make considered decision to choose and prepare for a career after graduating from the Institute. The Student Campus Life Society actively works with the Office of Students of the Institute.

This society deals with all the student campus life related activities at the Institute level. It is headed by the Student Secretary (Campus Life Society), and its membership consists of:

- (i) Captains of all Institute Clubs of the various student Campus Life related activities;
- (ii) Hostel Secretaries (Campus Life Society) of all the Hostels;
- (iii) Faculty Member Mentors;
- (iv) Staff Member Mentors; and
- (v) Senior Student Mentors.

The Campus Life Society of IIT Jodhpur Students Gymkhana formally adopts all Student Campus Fraternity activities at the Institute, including Student Legacy Activities, Student City Tourist Services, Student Dining Services, Student Informal Events, Student Picnics and Social Service Activities as a Club each.

(7) Elected Representatives Society



Student Elected Representatives form a critical interface of students with the Institute, to better the situation on all fronts related to study & living on the campus, and to learn & practice the constitutional way of conducting oneself in & as a community of students. The Student Elected Representatives Society actively works with the Dean (Students).

This society deals with all the student matters specific to each group (program-wise and year-wise) at the Institute level. Student Elections and Student Conduct activities are the major activities of the Student Elected Representatives Society. It is headed by the Student Secretary of the Student Elected Representatives Society (SERS), and its membership consists of all Student Elected Representatives elected from each group of students.

Student Fests & Events

The Students Gymkhana of the Institute organizes events with dual purpose. On the one hand, these events help engage students in creative work during their leisure hours and thereby build skills and interests in them. And, on the other side, these events help students to self-organise themselves and provide platforms for others to excel.

Besides celebrating the Gymkhana Day, the events organized by the Students Gymkhana can be seen in two streams, namely:

- 1. Inter-Institute Festivals and Tournaments; and
- 2. Intra-Institute Festivals and Championships.

Like every year, during FY 2017-18 too, the students were successful in nurturing a culture filled with energy and initiative. They have organized events which served as a medium of communication and bonding amongst themselves. Major festivals like Ganesh Chaturthi, Diwali, Sankranti, Eid and Holi were celebrated with great enthusiasm. Sports activities were also regularly conducted to encourage sportsmanship, which were supported by the Faculty Members.

Student Accolades

During the Financial Year 2017-18, students of the Institute received their share of accolades.

- (1) Four students of III Year B.Tech. (CSE) Program (Saksham Banga, Nikhil Srivastava, Satya Bhavsar and Aniket Parate) were selected to participate in the Student Startup Exposure Program at Silicon Valley, USA, sponsored by Department of IT&C, Government of Rajasthan.
- (2) Two students of III Year B.Tech. (CSE) Program (Saksham Banga and Nikhil Srivastava) showcased a project Dubberwala at Microsoft Academia Accelerator Program (AXLE 2018) at Hyderabad in May 2018. This project personalizes video streaming experience, for lecture videos, on laptop.

- (3) To present their research work, students received International Travel Grant from various agencies to attend conferences:
 - (a) Pratibha Choudhary, Ph.D. Student of Department of Computer Science & Engineering, from: (i) University of Began for participating in Recent Advances in Parameterized Complexity (RAPC) at Tel Aviv, Israel, in December 2017; and (ii) Science & Engineering Research Board, Government of India, for participating in Latin American Theoretical Informatics Symposium, Buenos Aires, Argentina, in April 2018.
 - (b) Ravi Sharma, Ph.D. Student of Department of Computer Science & Engineering, from Microsoft Research India for participating in The International Conference on Information Processing in Sensor Networks (IPSN) in Porto, Portugal during April 2018.
- (4) Gaurav Bahuguna, Ph.D. Student from Department of Chemistry received Best Poster Prize from American Chemical Society, USA, for his research work at the International Conference on Nano Science and Technology (ICONSAT 2018) held during 21-23 March 2018 at IISc, Bengaluru.
- (5) Students of the Student Science & Technology Society, Students Gymkhana, qualified for ACM-ICPC International Collegiate Programming Contest, the annual multi-tiered competitive programming competition of over 3,000 India teams at the Onsite Rounds: (a) Angad Singh Sabherwal, Pranav Arora, Shreyansh Chhajer stood 29th in Chennai in 2017, and (b) Archil Kumar Srivastava, Shubham Jain, and Vijay Kumar Paliwal stood 47th in Gwalior in 2018.
- (6) Ujjwala Anantheswaran, a Member of the Student Academics & Career Society, Students Gymkhana, secured 1st Position in Online English Creative Writing and 2nd Position in Word Games, a team event at the at 2nd Inter-IIT Cultural Meet at Kanpur. She is the first student from IIT Jodhpur to claim two awards at the events.

Student Counseling Service

The Student Counseling Service is an integral part of IIT Jodhpur since 2008. Every year, it strives to ensure that every student gets to know the Institute in intricate details and to help absorb all that the opportunities that the Institute creates. It works towards making the transition of new Students from their homes to the Institute a memorable one. The objective of Student Counseling Service is to provide friendly support to the new Students for their well-being during their stay on the campus and for their personal & professional developments. In essence, the Student Counseling Service promotes the development of students along three aspects, namely:

- (1) Academic: It provides information about different academic programs of the Institute, and suggests efficient time management and study skills,
- (2) Extra-Curricular: It strives to develop talents in students, and encourages them to discover their extra-curricular interests/hobbies. Also, it provides an interface with the Institute activities, and provides a platform for interaction with the Institute; and
- (3) Personal: It provides a cushion against homesickness, and assists in adjusting to the new environment (including concerns and difficulties arising during their stay at the Institute) by providing personalised guidance. Also, it provides psycho-education and confidential referral services to students.

The *Student Counseling Service* is headed by a Faculty Member, as the Chairperson of the Student Counseling Service Committee, and ably supported by Faculty Members, Staff Members and senior students. A full-time Student Counselor plays the role of growth coach, well-being moderator and psychological counselor. Besides, the Student Counseling Service strives to:

- (1) Maintain a ragging-free campus;
- (2) Organize Orientation Program for new students to acquaint them with the Institute;
- (3) Organize lectures and trainings on: (a) Career counseling, (b) Stress management, (c) Time management, (d) Health care and hygiene, (e) Vocational training, (f) Relationships, (g) Cope with homesickness, (h) Addiction and others, and (i) motivational lectures by eminent speakers;
- (4) Address academic issues of students, e.g., poor academic performance, basic IT skills and language skills of students from non-English background; and
- (5) Organize events for encouraging interaction among students of different years, and Staff and Faculty Members.

Campus Mentorship Program

Especially for the new Students, the Institute has launched a Campus Mentors Program in 2014, wherein Faculty Members, Staff Members and senior Students work towards helping each new student towards:

- (a) Adjusting well in hostel life away from home and in his academic life, and
- (b) Keeping in touch with the student and his/her family members/guardians.

These on-campus friends and guides support and motivate new students in their personal life and academic life. Also, through this association, Faculty Members get insider's perspectives in the lives of students. This interaction will help both the teacher and the taught, to grow together as one community. Further, the Campus Mentors Program ensures that even parents of students get opportunities to interact with the Institute.

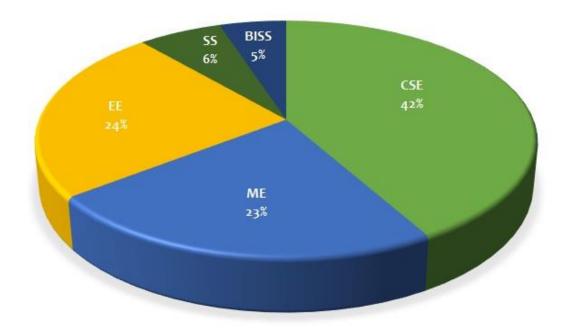
Student Placement Cell

The Office of Student Placements (OSP) is moving ahead in developing Student Career Development Centre which aims to create an encouraging atmosphere for students by providing them ample reminders to build competencies in sync with their dream careers, thereby ensuring their smooth landing into the professional world. The Office performs duties related with creating awareness about career planning, soft skills enhancement along with coordinating with various companies, their interaction with the students, arranging pre-placement talks, tests, and interviews and activities related with placements.

In 2017-18, companies in core engineering, information and communication technology, and banking sector, government and public sector organizations have visited IIT Jodhpur for placements.

Total 91 of our students i.e., 79 B.Tech. Students and 12 M.Tech. Students, have been placed with different companies in the year 2017-18.

Branch-wise Placement of Undergraduate Students in 2017-18



Details of companies and placements are as below.

	B.Tech. Placements for the year 2017 – 2018						
S.No.	Company	Numbe	r of Stude	Total Number of			
		CSE	ME	EE	SS	BISS	Students Placed
1.	Indian Space Research Organisation (ISRO)		3	3			6
2.	Barclays	1		1			2
3.	Morgan Stanley	3				1	4
4.	Amazon	1					1
5.	Tata Motors		1				1
6.	Tata Consultancy Services			1			1
7.	Crisil				1		1
8.	Go Jek	3					3
9.	Voylla	2				1	3
10.	Cognizant Solutions			1			1
11.	Infosys	4					4
12.	Microsoft	4					4
13.	Finisar			2			2
14.	Intel	3		3			6
15.	SpeedLabs			1			1
16.	Capgemini	2		1	1		4
17.	R Systems	1	2	1		1	5
18.	Wisig Network			1			1
19.	Reliance Jio			1			1
20.	Deloitte			1			1
21.	Matrix Comsec			1		1	2
22.	Toppr			1			1
23.	Bharat Seats		5				5
24.	TCS Innovation Labs		1				1
25.	L&T		3				3
26.	TVS		3				3
27.	DE Shaw	2					2
28.	Drishti Soft	1					1
29.	IBJ	1					1
30.	Oyo Rooms	2					2
31.	Smartprix	2					2
32.	Wipro	1					1
33.	Visa				2		2
34.	Goldman Sachs				1		1
	Total	33	18	19	5	4	79

M.Tech. Placements for the year 2017 – 2018					
S.No.	Company	Number of Students Selected per Branch		Total Number of Students Placed	
		ME	EE		
1.	KEC International		1	1	
2.	Maruti Suzuki		1	1	
3.	Volvo Eicher	1	1	2	
4.	Intel		2	2	
5.	L&T	2		2	
6.	Bharat Seats	1		1	
7.	MIC Engineering College	3		3	
	Total	7	5	12	

Alumni Relations

The Office of Alumni Relations of the Institute works for the alumni of the Institute, no matter where the alumni live. The Office is a canvas of collective experiences and shared memories. We urge the Alumni to share with us your stories of both struggle and success. As brand ambassadors of the Institute and torch bearers of change, this special bond between the Alumni and the Institute should be the catalyst for valuable exchange between the Institute and the big-wide world.

The Office of Alumni Relations is managed by the Alumni Relations Committee, comprising of Chairman, Secretary, Members and Student Volunteers. All students completing any specific degree program at IIT Jodhpur become Life Members with the Office of Alumni Relations and no fee is associated with the membership.

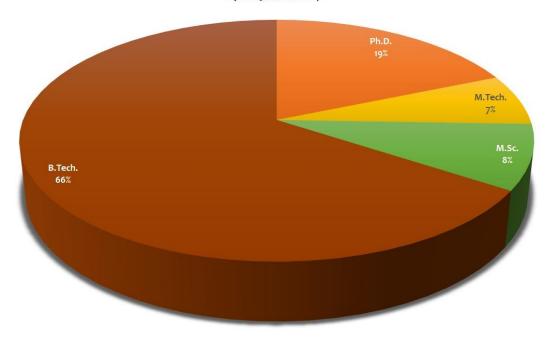
Presently, the Alumni Relations Committee engaged in strengthening the relationship between the Institute and its Alumni by having a sound Alumni Database in place. Efforts are being made to establish a continuous flow of communication with the Alumni by way of an e-Newsletter.

Registered Students in IIT Jodhpur

IIT Jodhpur has, as on 31 March 2018, a total of 818 students registered in various programs offered by the Institute. The table and chart below depict the program-wise break-up of the registered students in the Institute.

Program	Year of	Number
J	Registration	
Ph.D.	2017	21
	2016	18
	2015	38
	2014	32
	2013	24
	2012	11
	2011	8
	2010	1
	Total	153
M.Tech.	2017	36
	2016	20
	Total	56
M.Sc.	2017	46
	2016	25
	Total	71
B.Tech.	2017	176
	2016	121
	2015	112
	2014	129
	Total	538
	Grand Total	818

Program-wise Break-up of Registered Students in IIT Jodhpur (as on 31 March 2018)



Following are lists of students registered in various programs offered by the Institute, detailed according to the programs offered by various Departments.

Ph.D. Students

S.No.	Roll No.	Name	Center / Department
1.	PG201081502	Dharmendra Singh Rajpurohit	Energy
2.	PG201181001	Deepesh Patidar	Energy
3.	PG201181004	Vikas Pratap Singh	Energy
4.	PG201181005	Vikash Chandra Janu	Energy
5.	PG201182007	Ravi Raj Choudhary	ICT
6.	PG201182010	Saurabh Maheshwari	ICT
7.	PG201182501	Amit Bhati	ICT
8.	PG201183501	Parmod Kumar	SS
9.	PG201183502	Preeti Yadav	SS
10.	PG201281001	Ajay Jain	Energy
11.	PG201281002	Dharmesh Kumar	Energy
12.	PG201282003	Giriraj Vyas	ICT
13.	PG201282009	Suresh Dahiya	ICT
14.	PG201282010	Vaibhav Saini	ICT
15.	PG201282012	Vibha Sahlot	ICT
16.	PG201282501	Shilpa Pandey	ICT
17.	PG201283001	Anoopa Joshi	SS
18.	PG201283003	Manvendra Sharma	SS
19.	PG201283005	Parvinder Singh	SS
20.	PG201283007	Rakesh Kumar	SS
21.	PG201381001	Aditya Raw Gautam	Energy
22.	PG201381002	Goutam Kumar Gupta	Energy
23.	PG201381003	Om Prakash Mahela	Energy
24.	PG201382005	Vipin Joshi	ICT
25.	PG201382002	Anurag Sahu	SS
26.	PG201383002	Dipti Trivedi	SS
27.	PG201383005	Raj Kumar Satankar	SS
28.	PG201383006	Shraddha Choudhary	SS
29.	PG201383501	Deepak Kumar	SS
30.	PG201383502	Dileep Kumar	SS
31.	PG201383503	Manish Raghav	SS
32.	PG201383504	Satendra Pal Singh	SS
33.	PG201383506	Vishal Sharma	SS
34.	PG201384002	Ankisha Vijay	BISS
35.	PG201384003	Anuj Kumar Bharti	BISS
36.	PG201384004	Arun Kumar Upadhyay	BISS
37•	PG201384005	Ayeman Amanullah	BISS
38.	PG201384006	Bhubanesh Rathore	BISS
39.	PG201384008	Megha Singh	BISS
40.	PG201384009	Nidhi Sharma	BISS
41.	PG201384011	Rakhi N. K.	BISS
42.	PG201384012	Ridhi Aggarwal	BISS
43.	PG201384013	Shalini Singh	BISS
44.	PG201384014	Vibhuti Joshi	BISS
45.	P14EE001	Ajay Kumar Mahato	EE
46.	P14ME001	Gurveer Singh	ME

47.	P14ME003	Rakesh Joshi	ME
48.	P14ME004	Ram Niwas Verma	ME
49.	P14ME005	Sandeep Gupta	ME
50.	P14CS001	Hiteshi Jain	CSE
51.	P14CS002	Ravi Sharma	CSE
	P14PH001	Rajesh Kumar	PHY
52.		Sanjoy Chatterjee	PHY
53.	P14PH002		MT
54.	P14MT001	Supriyo Dutta	BB
55.	P14BL002	Sachin Vyas Alankar Agarwal	
56.	P14BS001	ĕ	BISS
57.	P14BS004	Manju Kumari	BISS
58.	P14BS005	Shivanjali Saxena	BISS
59.	P14BS006	Vandana	BISS
60.	P14BS007	Ribhav Mishra	BISS
61.	P14HS003	Saina Maidullah	HSS
62.	P14SS001	Brajesh Kumar Shukla	SS
63.	P14EN001	Priya Malpani	Energy
64.	P14BL003	Amitap Khandelwal	BB
65.	P14CHM001	Erum Gul Naz	CY
66.	P14CHM002	Abhinav Srivastava	СҮ
67.	P14ME007	Amrita Kaurwar	ME
68.	P14ME008	Phadatare Hanmant Pandurang	ME
69.	P14PH003	Javid Ahmad Naikoo	PHY
70.	P14PH004	Vijendra Singh Bhati	PHY
71.	P14VSS001	Adarsh Nigam	EE
72.	P14VSS002	Amrik Singh	EE
73•	P14VSS003	Ishan Varun	EE
74.	P14VSS004	Rahul Kumar	EE
75.	P14VSS005	Nupur Rathore	EE
76.	P14VSS006	Parveen	EE
77•	P15ME001	Devendra Singh	ME
78.	P15ME002	Lochan Sharma	ME
79•	P15ME003	Pravesh Kumar	ME
80.	P15ME004	Sumit Mahajan	ME
81.	P15CY001	Devika Laisharam	CY
82.	P15CY002	Hargeet Kaur	CY
83.	P15CY003	Jyoti Faujdar	CY
84.	P15CY004	Anchal Gahlaut	CY
85.	P15CY005	Bhawna Chaubey	CY
86.	P15CY006	Arpita Srivastava	CY
87.	P15CY007	Sumitra Godara	CY
88.	P15CS001	Arka Ujjal Dey	CSE
89.	P15BL001	Ishan Agrawal	BB
90.	P15PH001	Chandni Kumari	PHY
91.	P15PH002	Jyoti Saini	PHY
92.	P15PH003	Khushboo Dixit	PHY
93.	P15MA001	Divya Gupta	MT
94.	P15MA001	Rohit Kumar	MT
95.	P15EE001	Abhishek Sahu	EE
96.	P15EE002	Arpita Jaitawat	EE
97.	P15EE003	Poonam Sahu	EE
98.	P15EE004	Shivam Chaturvedi	EE

	DVCC	Diana Caira ataua	VICC
99.	P15VSS001	Divya Srivastava	VSS
100.	P15VSS002	Divya Sharma	VSS
101.	P15VSS003	Tushar Shankar Shinde	VSS
102.	P15VSS005	Mahmood Shaik	VSS
103.	P15VSS006	Gajendra Singh Chawda	VSS
104.	P15HS201	Abhra Paul	HSS
105.	P15HS202	Varun	HSS
106.	P15EE201	Rajesh Shukla	EE
107.	P15EE202	Yogesh Kumar	EE
108.	P15EE203	Rahul Kumar	EE
109.	P15VSS201	Aditya Raj	VSS
110.	P15VSS202	Neeraj Goel	VSS
111.	P15VSS203	Abhishek Kumar	VSS
112.	P15ME201	Aniket Dilip Monde	ME
113.	P15ME202	Vibhuti Bhushan Pandey	ME
114.	P15ME203	Ankit Agarwal	ME
115.	P16CY001	Gaurav Bahuguna	CY
116.	P16CY002	Urgunde Ajay Bhimashankar	CY
117.	P16CS002	Pratibha Choudhary	CSE
118.	P16CS003	Shreya Goyal	CSE
119.	P16EE001	Amit Kumar Gangwar	EE
120.	P16EE002	Gaurav Jajoo	EE
121.	P16HS002	Prakash Prajapat	HSS
122.	P16MA001	Prashant Kumar	MA
123.	P16ME001	Amit Shrivastava	ME
124.	P16ME002	Sachin Kalia	ME
125.	P16ME003	Satish	ME
126.	P16ME004	Vishwa Deepak Kumar	ME
127.	P16ME005	Waris Nawaz Khan	ME
128.	P16PH001	Rajneesh Chaurasiya	PHY
129.	P16PH002	Ram Milan Sahani	PHY
130.	P16VSS001	Deepak	VSS
131.	P16VSS002	Naveen Kumar Mangal	VSS
132.	P16VSS003	Vivek Raghuwanshi	VSS
133.	P17BS001	Madhumita	ВВ
134.	P17CY001	Abhishek Mishra	CY
135.	P17CY002	Sheeba Malik	CY
136.	P17CS001	Jaspreet Kaur	CSE
137.	P17EE001	Amit Kumar Shringi	EE
138.	P17EE002	Amrapali Chaudhary	EE
139.	P17EE003	Idury Satya Krishna	EE
140.	P17EE004	Mohit Kachhwaha	EE
141.	P17EE005	Naman Baghel	EE
142.	P17HS001	Akhil Kumar Singh	HSS
143.	P17HS002	Mamata Bijarania	HSS
144.	P17HS003	Sakshi Shukla	HSS
145.	P17HS004	Shruti Sharma	HSS
146.	P17ME001	Dipen Kumar	ME
147.	P17PH001	Jayanta Bera	PHY
148.	P17PH003	Piyali Biswas	PHY
149.	P17PH004	Sandeep Kumar	PHY
150.	P17PH005	Sayan Bhattacherjee	PHY
		•	<u> </u>

151.	P17BB201	Prashant Kumar	ВВ
152.	P17ME201	Mudhangulla Sridhar Babu	ME
153.	P17ME202	Syed Madani	ME

Post Graduate Students

M.Tech. Students, Batch 2016

S.No.	Roll No	Name	Department
1.	M16EE001	Aniket Chaturvedi	EE
2.	M16EE002	Arimardan Singh Chauhan	EE
3.	M16EE003	Jitendra Rathore	EE
4.	M16EE006	Shivam Verma	EE
5.	M16EE008	Vipul Kumar	EE
6.	M16EE010	Atal Tewari	EE
7.	M16EE011	Shyam Sundar Maurya	EE
8.	M16ME001	Kovid Goyal	ME
9.	M16ME002	Jitendra Kumar	ME
10.	M16ME003	Pratik V Paliwal	ME
11.	M16ME004	Vikas Kumar Upadhyay	ME
12.	M16ME005	Mohammmad Ashhar Tufail	ME
13.	M16ME006	Sunil	ME
14.	M16ME007	Oaj Chawla	ME
15.	M16ME008	Leeladhar Sharma	ME
16.	M16ME009	Dileep Kumar	ME
17.	M16ME010	Upendra Yadav	ME
18.	M16ME011	Manish Kumar Jaiswal	ME
19.	M16ME012	Sumer Chand Saini	ME
20.	M16ME013	Rohit Verma	ME

M.Tech. Students, Batch 2017

S.No.	Roll No.	Name	Department
1.	M17BS001	Abhishek Rahangdale	BB
2.	M17BS002	Amiyangshu De	ВВ
3.	M17BS003	Animesh Kumar Singh	ВВ
4.	M17BS004	Namrata Pant	ВВ
5.	M17BS005	Naveen Sundaria	ВВ
6.	M17BS006	S. Arvind	ВВ
7.	M17BS007	Swetha S.	ВВ
8.	M17BS008	Umama Shahid	ВВ
9.	M17BS009	Varsha Srinivasan	ВВ
10.	M17EE001	Jitendra Goyal	EE
11.	M17EE002	Naresh Jingar	EE
12.	M17EE003	Sushila	EE
13.	M17ME001	Aayush Dhimole	ME
14.	M17ME002	Akshay Goel	ME
15.	M17ME003	Avinash Kumar	ME
16.	M17ME004	Chanchal Kumar	ME
17.	M17ME005	Deelip Inaniya	ME
18.	M17ME006	Deepak Dandotiya	ME
19.	M17ME007	Dheeraj Maheshwari	ME

20.	M17ME008	Dhrumil Hemantkumar Soni	ME
21.	M17ME009	Joykumar Bakulbhai Kanabar	ME
22.	M17ME010	Manvendra Kumar	ME
23.	M17ME011	Mayank	ME
24.	M17ME012	Payal Chaudhary	ME
25.	M17ME013	Rohit Kurmi	ME
26.	M17ME014	Sandeep Singh	ME
27.	M17ME015	Sanjay Kumar	ME
28.	M17ME016	Satyavrat Pandey	ME
29.	M17ME017	Shobhit Gupta	ME
30.	M17ME018	Shubham Vaishnav	ME
31.	M17ME019	Sumit Prajapat	ME
32.	M17ME020	Surabhi Sahney	ME
33.	M17ME021	Vijay Kumar Sharma	ME
34.	M17ME022	Vikash Chandra	ME
35.	M17ME023	Yogesh Sharma	ME
36.	M17ME024	Yudhisther Surolia	ME

M.Sc. Students, Batch 2016

S.No.	Roll No	Name	Department
1.	M16CY001	Aarti	CY
2.	M16CY002	Ajeetesh Kumar	CY
3.	M16CY003	Akshay Kumar R	CY
4.	M16CY004	Chesta	CY
5.	M16CY005	Mohit Solanki	CY
6.	M16CY006	Neelam Pal	CY
7.	M16CY007	Neha Kumari	CY
8.	M16CY008	Sakshi Bhagat	CY
9.	M16CY009	Vinod Singh Adhikary	CY
10.	M16CY010	Vipin Kamboj	CY
11.	M16CY011	Rachna Sharma	CY
12.	M16PH002	Radha Raman	PH
13.	M16PH003	Ruchi Sharma	PH
14.	M16PH004	Sagar Satish Jha	PH
15.	M16PH005	Shalu Yadav	PH
16.	M16PH006	Shilpi Bose	PH
17.	M16MA001	Amit Punia	MA
18.	M16MA002	Ankush	MA
19.	M16MA003	Chandni Arora	MA
20.	M16MA004	Kanchan	MA
21.	M16MA005	Kshitij Kumar Pandey	MA
22.	M16MA006	Neeraj	MA
23.	M16MA007	Shresth Kumar	MA
24.	M16MA008	Sushmita Chandel	MA
25.	M16MA009	Vidya Sagar	MA

M.Sc. Students, Batch 2017

S.No.	Roll No.	Name	Department
1.	M17CY001	Aayush Batar	CY
2.	M17CY002	Akanksha Kumari	CY
3.	M17CY003	Arpan Tiwari	CY

	1		
4.	M17CY004	Bhawna Mishra	CY
5.	M17CY005	Bibhas Das	CY
6.	M17CY006	Divya Kumar	CY
7.	M17CY007	Gaurav Garg	CY
8.	M17CY008	Hamid Palamadathil Kannattil	CY
9.	M17CY009	Hemananda Hembram	CY
10.	M17CY010	Mahesh Kumar	CY
11.	M17CY011	Pallavi Singh	CY
12.	M17CY012	Parveen Gartan	CY
13.	M17CY013	Pooja Sharma	CY
14.	M17CY014	Pooja Singh	CY
15.	M17CY015	Purva	CY
16.	M17CY016	Savi Chaudhary	CY
17.	M17CY017	Vinod Kumar	CY
18.	M17MA001	Ankit Jangir	MA
19.	M17MA002	Babel Sejal Mahavir	MA
20.	M17MA003	Gaurav Kumar	MA
21.	M17MA004	Gulshan Sihag	MA
22.	M17MA005	Himanshu	MA
23.	M17MA006	Kapil Dev Gond	MA
24.	M17MA007	Kuntal Mudi	MA
25.	M17MA008	Lokesh Prajapat	MA
26.	M17MA009	Namita Jain	MA
27.	M17MA010	Pintu Kumar	MA
28.	M17MA011	Pramod Kumar Swain	MA
29.	M17MA012	Sona	MA
30.	M17MA013	Sonu Kumar	MA
31.	M17MA014	Sumit Kumar	MA
32.	M17MA016	Vivek Kumar Sahu	MA
33.	M17PH001	Aman Baunthiyal	PHY
34.	M17PH002	Arindam Mandal	PHY
35.	M17PH003	Devandar Chauhan	PHY
36.	M17PH004	Dusmant Kumar Naik	PHY
37•	M17PH005	Ekta Panwar	PHY
38.	M17PH006	Hari Om	PHY
39.	M17PH007	Jayesh Goswami	PHY
40.	M17PH008	Lwithwsa Swargiary	PHY
41.	M17PH009	Nilesh Kumar	PHY
42.	M17PH010	Rakesh Rosan Pradhan	PHY
43.	M17PH011	Ravikant	PHY
44.	M17PH012	Rupender	PHY
45.	M17PH013	Shubham Tyagi	PHY
46.	M17PH014	Vijay	PHY

Undergraduate Students B.Tech. Students, Batch 2014

S.No.	Roll No.	Name	Department
1.	B14CS001	Abhimanyu Singh Gaur	CSE
2.	B14CS002	Abhinav Rai	CSE
3.	B14CS003	Ajeet Goyal	CSE
4.	B14CS004	Ajeet Ujjwal	CSE
5.	B14CS005	Ankita Muzalda	CSE
6.	B14CS006	Annuay. J	CSE
7.	B14CS007	Anurag Sanyal	CSE
8.	B14CS008	Archil Kumar Srivastava	CSE
9.	B14CS009	Ashish Sahu	CSE
10.	B14CS010	Ayush Agrawal	CSE
11.	B14CS011	B Sree Siddharth	CSE
12.	B14CS012	Bharat Singh	CSE
13.	B14CS013	Chaudhari Akshay Gajanan	CSE
14.	B14CS014	Daval Pargal	CSE
15.	B14CS015	Dhruv Sharma	CSE
16.	B14CS016	Edula Hari Hara Reddy	CSE
17.	B14CS017	Ganesh Bhimrao Patil	CSE
18.	B14CS018	Garimella Sravan	CSE
19.	B14CS019	Gaurav Kamal	CSE
20.	B14CS020	Gutapu Raj Kumar	CSE
21.	B14CS021	Hitesh Hingorani	CSE
22.	B14CS022	Kommuru Vinay Kumar	CSE
23.	B14CS023	Mahendra Meena	CSE
24.	B14CS024	Manish Goyal	CSE
25.	B14CS025	Pranav Arora	CSE
26.	B14CS026	Pushpinder	CSE
27.	B14CS027	Rinku Kumar Meena	CSE
28.	B14CS028	Rishabh Shukla	CSE
29.	B14CS029	Robin Gaur	CSE
30.	B14CS030	Rohit Paliwal	CSE
31.	B14CS031	Sahil Dhiman	CSE
32.	B14CS032	Sandeep Charan	CSE
33.	B14CS033	Rohan Govind Saraf	CSE
34.	B14CS034	Saurav Suman	CSE
35.	B14CS035	Shubham Jain	CSE
36.	B14CS036	Snehal Azad	CSE
37.	B14CS037	Sunil Choudhary	CSE
38.	B14CS039	Varun Kumar	CSE
39.	B14CS040	Vijay Kumar Paliwal	CSE
40.	B14CS041	Angad Singh Sabherwal	CSE
41.	B14CS042	Mahak Jain	CSE
42.	B14CS043	Mohit Mehta	CSE
43.	B14EE001	Abhishek Mandwale	EE
44.	B14EE002	Abhishek Meena	EE
45.	B14EE003	Akshat Shrivastava	EE
46.	B14EE004	Anand Kumar	EE
47.	B14EE005	Ankush Garg	EE
48.	B14EE006	Anusha Gupta	EE
49.	B14EE007	Archit Sharma	EE

	D EFF	David Chamaralaha Cai Canian Comta	FF
50.	B14EE009	Dara Shanmukha Sai Sanjay Gupta	EE
51.	B14EE010	Deepanshu Bhojak	EE
52.	B14EE011	Guntuku Deepak	EE
53.	B14EE012	Himanshu Verma	EE
54.	B14EE013	Jaiswal Ronak Nilesh	EE
55.	B14EE014	Jay Bhavin Sheth	EE
56.	B14EE015	Kanika Jakhar	EE
57.	B14EE016	Kaviti Sarath Kalyan	EE
58.	B14EE017	Kumari Saumya	EE
59.	B14EE021	Naveen Kumar Chittoriya	EE
60.	B14EE022	Parmar Sunny Mukeshkumar	EE
61.	B14EE023	Piyush Sharma	EE
62.	B14EE024	Rahul Negi	EE
63.	B14EE025	Ramesh Kumar	EE
64.	B14EE026	Ravindra Parihar	EE
65.	B14EE027	Rishabh Bhardwaj	EE
66.	B14EE028	Ritu Singh	EE
67.	B14EE029	Sachin Mandowara	EE
68.	B14EE030	Shah Neelkumar Sureshkumar	EE
69.	B14EE031	Shivani Meena	EE
70.	B14EE032	Shounak Kulkarni	EE
71.	B14EE033	Sudhir Pratap Yadav	EE
72.	B14EE034	Thara Giriraj Prasad	EE
73.	B14EE035	Tripti Meena	EE
74.	B14EE036	Vamsi Prudhvi Chintaguntala	EE
75.	B14EE037	Vanam Bhanu Sai Simha	EE
76.	B14EE038	Vidit Jain	EE
77•	B14EE039	Vivek	EE
78.	B14EE040	Yasharth Sahu	EE
79.	B14ME001	Abhishek Sharma	ME
80.	B14ME003	Akhil Bindal	ME
81.	B14ME004	Akshay Vinay Bapat	ME
82.	B14ME005	Aman	ME
83.	B14ME006	Anandhu Suresh	ME
84.	B14ME007	Bandi Sai Mukesh	ME
85.	B14ME008	Boghara Pruthvi Rameshbhai	ME
86.	B14ME010	Jerry Mathew Oommen	ME
87.	B14ME011	Kartik Venkata Ramachandruni	ME
88.	B14ME012	Katakam Harsha Sai Manohar	ME
89.	B14ME013	Kuldeep Meena	ME
90.	B14ME014	Madhvendra Tiwari	ME
91.	B14ME015	Manoj Malviya	ME
92.	B14ME016	Mohammad Sharey	ME
93.	B14ME017	Mohit Vijay	ME
94.	B14ME019	Parella Ravi Teja	ME
95.	B14ME021	Pawan Kumar	ME
96.	B14ME022	Pothula Krishna Teja	ME
97.	B14ME023	Rachit	ME
98.	B14ME024	Rahul Chanania	ME
99.	B14ME025	Rajendra Manda	ME
100.	B14ME026	Rishabh Badodia	ME
101.	B14ME027	Santhoju Shiva	ME

102.B14ME028Santhosh M.ME103.B14ME030Shinde Shubham BhaskarME104.B14ME031Shivam JaiswalME105.B14ME032Shivam SrivastavaME106.B14ME034Shubham KaushalME	
104.B14ME031Shivam JaiswalME105.B14ME032Shivam SrivastavaME	
105. B14ME032 Shivam Srivastava ME	
 	
107. B14ME035 Sutariya Monark ME	
108. B14ME036 Suyog Bodhankar ME	
109. B14ME037 Udit Singh Parihar ME	
110. B14ME038 Uma Shankar Sharma ME	
111. B14ME039 Vanditi Mathur ME	
112. B14ME040 Vedant Bhuyar ME	
113. B14SS003 B Sai Chaitanya SS	
114. B14SS006 Devanshu Bhavin Kathrecha SS	
115. B14SS007 K. Tejas Reddy SS	
116. B14SS008 Katragadda Karthik SS	
117. B14SS009 Mansi Mittal SS	
118. B14SS011 Pranali Pawar SS	
119. B14SS013 Raj Prajapat SS	
120. B14SS017 Shreyansh Chhajer SS	
121. B14SS018 Tejas Gattani SS	
122. B14SS019 Vaibhav Baban Ganer SS	
123. B14BS005 Dinesh Kumar Maurya BISS	5
124. B14BS006 Divya Naval BISS	5
125. B14BS009 Kumar Venkateshwar BISS	5
126. B14BS011 Mahesh BISS	5
127. B14BS014 Sahil Bhatia BISS	5
128. B14BS015 Shubham Talbar BISS	5
129. B14BS016 Vishal Verma BISS	5

B.Tech. Students, Batch 2015

S. No.	Roll No	Name	Department
1.	B15CS001	Abhishek Sah	CSE
2.	B15CS002	Aditya Agrawal	CSE
3.	B15CS003	Akash Gupta	CSE
4.	B15CS004	Akshay Agrawal	CSE
5.	B15CS005	Amitansh Gangwar	CSE
6.	B15CS006	Amol Thakur	CSE
7.	B15CS007	Anant Kumar Singh	CSE
8.	B15CS008	Ankit Kumar	CSE
9.	B15CS009	Anmol Chhabra	CSE
10.	B15CS010	Aryaman Singh	CSE
11.	B15CS011	Ashish Mittal	CSE
12.	B15CS012	Ashish Yadav	CSE
13.	B15CS013	Bagannagari Vinay Kumar Reddy	CSE
14.	B15CS014	Bhamare Nikhil Daryavsing	CSE
15.	B15CS015	Bhuma Ayyappa Sumanth	CSE
16.	B15CS016	Deewan Singh	CSE
17.	B15CS017	Divyansh Aggarwal	CSE
18.	B15CS018	Harsh Akshit	CSE
19.	B15CS019	Harshit Singh	CSE
20.	B15CS020	Indra Kumar Malav	CSE

21. BISCSO22 Joukani Vinit Pradeep CSE 22. BISCSO23 Kishan Sharma CSE 23. BISCSO24 Kongi Arunsrivardhan CSE 25. BISCSO25 Marali Jagadeesh CSE 26. BISCSO28 Rajat Babel CSE 27. BISCSO29 Rajat Mangla CSE 28. BISCSO29 Rajet Meena CSE 30. BISCSO31 Rashi Sahu CSE 31. BISCSO32 Rashini Sahu CSE 32. BISCSO33 Rishabh Arun Kanabar CSE 33. BISCSO34 Shubham Kumar CSE 34. BISCSO35 Shukla Anugrah Harish Kumar CSE 35. BISCSO36 Singamsetty Sandeep CSE 36. BISCSO37 Sushii Kumar CSE 37. BISCSO38 Swapnil Ganesh Athawale CSE 38. BISCSO38 Swapnil Ganesh Athawale CSE 39. BISCSO39 Vishash Mistry C	21	B15CS021	Joukani Vinit Pradeep	CSE
23. B15CS023 Kishan Sharma CSE 24. B15CS024 Kongi Arunsrivardhan CSE 25. B15CS027 Praveen Rumar T CSE 26. B15CS028 Rajat Babel CSE 27. B15CS029 Rajat Babel CSE 28. B15CS029 Rajat Mangla CSE 29. B15CS031 Rashi Sahu CSE 30. B15CS032 Rashi Sahu CSE 31. B15CS033 Rishabh Arun Kanabar CSE 32. B15CS034 Shubham Kumar CSE 33. B15CS036 Shubham Kumar CSE 34. B15CS036 Singamsetty Sandeep CSE 35. B15CS036 Singamsetty Sandeep CSE 36. B15CS038 Swapnil Ganesh Athawale CSE 37. B15CS039 Vinayak Singla CSE 38. B15CS039 Vinayak Singla CSE 40. B15EE003 Akshat Agrawal EE				
24. B15CS024 Kongi Arunsrivardhan CSE 25. B15CS027 Marail Jagadeesh CSE 26. B15CS027 Praveen Kumar T CSE 27. B15CS028 Rajat Babel CSE 28. B15CS029 Rajat Mangla CSE 29. B15CS030 Rajesh Meena CSE 30. B15CS031 Rashi SAhu CSE 31. B15CS032 Rashmi Sahu CSE 32. B15CS033 Rishabh Arun Kanabar CSE 33. B15CS034 Shubham Kumar CSE 34. B15CS034 Shubka Anugrah Harish Kumar CSE 35. B15CS036 Singamsetty Sandeep CSE 36. B15CS037 Sushil Kumar CSE 37. B15CS038 Swapnil Ganesh Athawale CSE 38. B15CS039 Vinayak Singla CSE 40. B15EE003 Akshat Agrawal EE 41. B15EE003 Akshat Agrawal EE <td></td> <td></td> <td><u> </u></td> <td></td>			<u> </u>	
25. B15CS025 Marali Jagadeesh CSE 26. B15CS028 Rajat Babel CSE 27. B15CS028 Rajat Mangla CSE 28. B15CS030 Rajet Mangla CSE 29. B15CS031 Rashi Sahu CSE 30. B15CS031 Rashi Sahu CSE 31. B15CS033 Rishabh Arun Kanabar CSE 32. B15CS033 Rishabh Arun Kanabar CSE 33. B15CS034 Shubka Anugrah Harish Kumar CSE 35. B15CS035 Shukla Anugrah Harish Kumar CSE 36. B15CS036 Singamsetty Sandeep CSE 36. B15CS038 Swapnil Ganesh Athawale CSE 37. B15CS038 Swapnil Ganesh Athawale CSE 38. B15CS038 Swapnil Ganesh Athawale CSE 40. B15EE003 Akshat Agrawal EE 41. B15EE003 Akshat Agrawal EE 42. B15EE003 Akshat Agrawal <td></td> <td></td> <td></td> <td></td>				
26. B15CS027 Praveen Kumar T CSE 27. B15CS029 Rajat Babel CSE 28. B15CS029 Rajat Mangla CSE 29. B15CS031 Rashi Sahu CSE 30. B15CS032 Rashin Sahu CSE 31. B15CS033 Rishabh Arun Kanabar CSE 32. B15CS033 Rishabh Arun Kanabar CSE 33. B15CS034 Shubham Kumar CSE 34. B15CS035 Shukla Anugrah Harish Kumar CSE 35. B15CS036 Singamsetty Sandeep CSE 36. B15CS036 Singamsetty Sandeep CSE 37. B15CS038 Swapnil Ganesh Athawale CSE 38. B15CS040 Visayak Singla CSE 40. B15EE003 Akshat Agrawal EE 41. B15EE004 Amitesh Kumar Jigyasu EE 42. B15EE005 Anurag EE 43. B15EE006 Ashish Gambhir EE				
27. B15CS028 Rajat Babel CSE 28. B15CS030 Rajat Mangla CSE 29. B15CS030 Rajesh Meena CSE 30. B15CS031 Rashi Sahu CSE 31. B15CS032 Rashmi Sahu CSE 32. B15CS033 Rishabh Arun Kanabar CSE 33. B15CS034 Shubham Kumar CSE 34. B15CS035 Shukla Anugrah Harish Kumar CSE 35. B15CS036 Singamsetty Sandeep CSE 36. B15CS038 Swapnil Ganesh Athawale CSE 37. B15CS038 Swapnil Ganesh Athawale CSE 38. B15CS039 Vinayak Singla CSE 39. B15CS040 Vishesh Mistry CSE 40. B15EE003 Akshat Agrawal EE 41. B15EE003 Akshat Agrawal EE 42. B15EE003 Akshat Murag EE 43. B15EE003 Alshin Gambhir EE				
28. B15CS029 Rajat Mangla CSE 29. B15CS031 Rashi Meena CSE 30. B15CS031 Rashi Sahu CSE 31. B15CS032 Rashmi Sahu CSE 32. B15CS033 Rishabh Arun Kanabar CSE 33. B15CS035 Shukha Anugrah Harish Kumar CSE 34. B15CS035 Shukha Anugrah Harish Kumar CSE 35. B15CS036 Singamsetty Sandeep CSE 36. B15CS037 Sushil Kumar CSE 37. B15CS038 Swapnil Ganesh Athawale CSE 38. B15CS039 Vinayak Singla CSE 39. B15CS039 Vinayak Singla CSE 40. B15EE003 Akshat Agrawal EE 41. B15EE003 Akshat Agrawal EE 42. B15EE004 Amitesh Kumar Jigyasu EE 43. B15EE005 Anurag EE 43. B15EE006 Ashish Gambhir EE <				
29. B15CS030 Rajesh Meena CSE 30. B15CS031 Rashi Sahu CSE 31. B15CS032 Rashmi Sahu CSE 32. B15CS033 Rishabh Arun Kanabar CSE 33. B15CS034 Shubham Kumar CSE 34. B15CS035 Shukla Anugrah Harish Kumar CSE 35. B15CS036 Singamsetty Sandeep CSE 36. B15CS037 Sushil Kumar CSE 37. B15CS038 Swapnil Ganesh Athawale CSE 38. B15CS039 Vinayak Singla CSE 39. B15CS039 Vinayak Singla CSE 40. B15EE003 Akshat Agrawal EE 41. B15EE004 Amitesh Kumar Jigyasu EE 42. B15EE005 Anurag EE 43. B15EE006 Ashish Gambhir EE 44. B15EE006 Ashish Gambhir EE 45. B15EE008 Bhanwar Singh Choudhary EE <td></td> <td></td> <td>,</td> <td></td>			,	
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71. B15EE036 Shubham Bhargava EE	69.	B15EE034	Shitendra Kumar Tyagi	EE
	70.	B15EE035	Shreyas Malakarjun Patil	EE
				EE
		B15EE037	Somender Singh	EE

73.	B15EE038	Sonu Kumar	EE
74.	B15EE039	Vadde Keerthi Aishwarya	EE
75.	B15EE040	Vaibhav Sharma	EE
76.	B15ME001	Aarush Gupta	ME
77•	B15ME002	Abhinay Kumar	ME
78.	B15ME003	Abhishek Meena	ME
79.	B15ME004	Aditya Raj Malviya	ME
80.	B15ME006	Alukapally Gnanadeep	ME
81.	B15ME007	Aniket Janrao	ME
82.	B15ME008	Ankit Jangir	ME
83.	B15ME009	Ankit Mangal	ME
84.	B15ME010	Ashutosh Pathak	ME
85.	B15ME012	Ayush Upadhyay	ME
86.	B15ME013	Chandrapratap Singh Raghuvanshi	ME
87.	B15ME014	Dhagash Desai	ME
88.	B15ME015	Divyanshu Goyal	ME
89.	B15ME016	Gandi Rajesh	ME
90.	B15ME017	Gaurav Meena	ME
91.	B15ME018	Gourav Jeengar	ME
92.	B15ME019	Karthik Mohan	ME
93.	B15ME021	Keshetty Sai Surya	ME
94.	B15ME023	Krishna Goyal	ME
95.	B15ME024	Meka Lalit Sai Chandra Reddy	ME
96.	B15ME025	Mukul Bansal	ME
97.	B15ME026	Nakka Sanket Gangadhar	ME
98.	B15ME027	Neelansh Kamboj	ME
99.	B15ME028	Nitish Kumar	ME
100.	B15ME030	Perisetla Srinivasa Deepak	ME
101.	B15ME031	Quadri Syed Mujtaba Syed Maqsood	ME
102.	B15ME032	Ramesh Kumar	ME
103.	B15ME033	Ritwik Kulkarni	ME
104.	B15ME034	Saurabh Yadav	ME
105.	B15ME035	Sharan Saarsar	ME
106.	B15ME036	Somesh Sharma	ME
107.	B15ME037	Sunil Kumar Sakhnia	ME
108.	B15ME038	Vartha Divyesh Yashvant	ME
109.	B15ME039	Vineet Singh Chauhan	ME
110.	B15ME040	Vivek Kumar Singh	ME
111.	B15BS001	Ankur Kamboj	ME
112.	B15ME005	Akash Gupta	ME

B.Tech. Students, Batch 2016

S.No.	Roll No	Name	Department
1.	B16CS001	Abhinav Suthar	CSE
2.	B16CS002	Ajat Prabha	CSE
3.	B16CS003	Akshay Malav	CSE
4.	B16CS004	Ashutosh Kumar Jatav	CSE
5.	B16CS005	Ashutosh Yadav	CSE
6.	B16CS006	Chetan Prakash Meena	CSE
7.	B16CS007	Chitraksh Sadayat	CSE
8.	B16CS008	Himanshu Dhankhar	CSE

10. B16CS010 Kavish Gambhir CSE 11. B16CS011 Kuldeep Singh Jangir CSE 12. B16CS012 Lakshya Garg CSE 13. B16CS014 Machabathuni Vijay Siddharth CSE 14. B16CS014 Machabathuni Vijay Siddharth CSE 16. B16CS015 Manvendra Singh Kushwah CSE 16. B16CS016 Mehta Meet CSE 17. B16CS017 Nagalgaonkar Vinay Ramkishan CSE 18. B16CS019 Naramala Mourya Mithra CSE 20. B16CS019 Naramala Mourya Mithra CSE 21. B16CS020 Nikhil Srivastava CSE 22. B16CS021 Nikunj Kumar Labana CSE 22. B16CS022 Nirime Shivam Chandrakant CSE 23. B16CS023 Parate Aniket Kishor CSE 23. B16CS024 Paridhi Gehlot CSE 25. B16CS025 Patel Shreya Hasmukh CSE 26.	_	D.C.C.	V 11 D 1 11	CCE
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12. B16CS012 Lakshya Garg CSE 13. B16CS013 Lovish Singla CSE 14. B16CS014 Machabathuni Vijay Siddharth CSE 15. B16CS016 Mahrendra Singh Kushwah CSE 16. B16CS016 Mehta Meet CSE 17. B16CS018 Nagalgaonkar Vinay Ramkishan CSE 18. B16CS018 Nagelli Balamallesh CSE 19. B16CS020 Nikhil Srivastava CSE 20. B16CS021 Nikmil Srivastava CSE 21. B16CS022 Nire Sivisam Chandrakant CSE 22. B16CS023 Parate Aniket Kishor CSE 23. B16CS023 Parate Aniket Kishor CSE 24. B16CS024 Paridhi Gehlot CSE 25. B16CS025 Patel Shreya Hasmukh CSE 26. B16CS025 Patel Shreya Hasmukh CSE 27. B16CS026 Qazi Sajid Azam CSE 28. B16CS027				
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34. B16CS034 Shah Anurag CSE 35. B16CS035 Shashank Mohabia CSE 36. B16CS036 Sohail Khan CSE 37. B16CS037 Uneet Meena CSE 38. B16CS038 Vishakh S CSE 39. B16CS039 Vivek Dwivedi CSE 40. B16CS040 Zaid Khan CSE 41. B16CS041 Chinmay Garg CSE 42. B16CS042 Saksham Sanjay Banga CSE 43. B16EE001 Abhinav Joshi EE 44. B16EE002 Adeesh Jain EE 45. B16EE003 Adit Raj Gautam EE 46. B16EE003 Akhil Kumar Singh EE 47. B16EE005 Akhil Kumar Singh EE 48. B16EE006 Anchal Singh EE 50. B16EE008 Ayush Mukund Gupta EE 51. B16EE010 Dharmesh Gupta EE 52.	32.	B16CS032	Sarvesh Kumar	
35. B16CS035 Shashank Mohabia CSE 36. B16CS036 Sohail Khan CSE 37. B16CS037 Uneet Meena CSE 38. B16CS038 Vishakh S CSE 39. B16CS039 Vivek Dwivedi CSE 40. B16CS040 Zaid Khan CSE 41. B16CS041 Chinmay Garg CSE 42. B16CS042 Saksham Sanjay Banga CSE 43. B16EE001 Abhinav Joshi EE 44. B16EE002 Adeesh Jain EE 45. B16EE003 Adit Raj Gautam EE 46. B16EE003 Akhil Komar Singh EE 47. B16EE005 Akhil Kumar Singh EE 48. B16EE006 Anchal Singh EE 50. B16EE007 Ashutosh Pandey EE 51. B16EE001 Dharmesh Gupta EE 52. B16EE011 Hemendra Kumar Singh EE 53.	33.	B16CS033	Satya Bhavsar	CSE
36. B16CS036 Sohail Khan CSE 37. B16CS037 Uneet Meena CSE 38. B16CS038 Vishakh S CSE 39. B16CS039 Vivek Dwivedi CSE 40. B16CS040 Zaid Khan CSE 41. B16CS041 Chinmay Garg CSE 42. B16CS042 Saksham Sanjay Banga CSE 43. B16EE001 Abhinav Joshi EE 44. B16EE002 Adeesh Jain EE 45. B16EE003 Adit Raj Gautam EE 46. B16EE003 Akhil Goel EE 47. B16EE005 Akhil Kumar Singh EE 48. B16EE005 Ashutosh Pandey EE 50. B16EE007 Ashutosh Pandey EE 51. B16EE010 Dharmesh Gupta EE 52. B16EE010 Dharmesh Gupta EE 53. B16EE011 Hemendra Kumar Singh EE 54. <t< td=""><td>34.</td><td>B16CS034</td><td>Shah Anurag</td><td>CSE</td></t<>	34.	B16CS034	Shah Anurag	CSE
37. B16CS037 Uneet Meena CSE 38. B16CS038 Vishakh S CSE 39. B16CS039 Vivek Dwivedi CSE 40. B16CS040 Zaid Khan CSE 41. B16CS041 Chinmay Garg CSE 42. B16CS042 Saksham Sanjay Banga CSE 43. B16EE001 Abhinav Joshi EE 44. B16EE002 Adeesh Jain EE 45. B16EE003 Adit Raj Gautam EE 46. B16EE003 Akhil Goel EE 47. B16EE004 Akhil Kumar Singh EE 48. B16EE005 Ashutosh Pandey EE 50. B16EE007 Ashutosh Pandey EE 51. B16EE008 Ayush Mukund Gupta EE 51. B16EE010 Dharmesh Gupta EE 52. B16EE011 Hemendra Kumar Singh EE 53. B16EE012 Hitesh Kumar EE 54.	35•	B16CS035	Shashank Mohabia	CSE
38. B16CS038 Vishakh S CSE 39. B16CS049 Vivek Dwivedi CSE 40. B16CS040 Zaid Khan CSE 41. B16CS041 Chinmay Garg CSE 42. B16CS042 Saksham Sanjay Banga CSE 43. B16EE001 Abhinav Joshi EE 44. B16EE002 Adeesh Jain EE 45. B16EE003 Adit Raj Gautam EE 46. B16EE003 Akhil Goel EE 47. B16EE005 Akhil Kumar Singh EE 48. B16EE005 Ashutosh Pandey EE 49. B16EE007 Ashutosh Pandey EE 50. B16EE008 Ayush Mukund Gupta EE 51. B16EE010 Dharmesh Gupta EE 52. B16EE011 Hemendra Kumar Singh EE 53. B16EE012 Hitesh Kumar EE 54. B16EE013 Jitendra Jain EE 55.	36.		Sohail Khan	CSE
39. B16CS039 Vivek Dwivedi CSE 40. B16CS040 Zaid Khan CSE 41. B16CS041 Chinmay Garg CSE 42. B16CS042 Saksham Sanjay Banga CSE 43. B16EE001 Abhinav Joshi EE 44. B16EE002 Adeesh Jain EE 45. B16EE003 Adit Raj Gautam EE 46. B16EE004 Akhil Goel EE 47. B16EE005 Akhil Kumar Singh EE 48. B16EE006 Anchal Singh EE 49. B16EE007 Ashutosh Pandey EE 50. B16EE008 Ayush Mukund Gupta EE 51. B16EE010 Dharmesh Gupta EE 52. B16EE011 Hemendra Kumar Singh EE 53. B16EE012 Hitesh Kumar EE 54. B16EE013 Jitendra Jain EE 55. B16EE014 Jitendra Meena EE 57.	37.	B16CS037	Uneet Meena	CSE
40. B16CS040 Zaid Khan CSE 41. B16CS041 Chinmay Garg CSE 42. B16CS042 Saksham Sanjay Banga CSE 43. B16EE001 Abhinav Joshi EE 44. B16EE002 Adeesh Jain EE 45. B16EE003 Adit Raj Gautam EE 46. B16EE004 Akhil Goel EE 47. B16EE005 Akhil Kumar Singh EE 48. B16EE006 Anchal Singh EE 49. B16EE007 Ashutosh Pandey EE 50. B16EE008 Ayush Mukund Gupta EE 51. B16EE010 Dharmesh Gupta EE 52. B16EE011 Hemendra Kumar Singh EE 53. B16EE012 Hitesh Kumar EE 54. B16EE013 Jitendra Jain EE 55. B16EE014 Jitendra Meena EE 56. B16EE015 Kanak Jain EE 57.	38.	B16CS038	Vishakh S	CSE
41. B16CS041 Chinmay Garg CSE 42. B16CS042 Saksham Sanjay Banga CSE 43. B16EE001 Abhinav Joshi EE 44. B16EE002 Adeesh Jain EE 45. B16EE003 Adit Raj Gautam EE 46. B16EE004 Akhil Goel EE 47. B16EE005 Akhil Kumar Singh EE 48. B16EE006 Anchal Singh EE 49. B16EE007 Ashutosh Pandey EE 50. B16EE008 Ayush Mukund Gupta EE 51. B16EE010 Dharmesh Gupta EE 52. B16EE011 Hemendra Kumar Singh EE 53. B16EE012 Hitesh Kumar EE 54. B16EE013 Jitendra Jain EE 55. B16EE014 Jitendra Meena EE 56. B16EE016 Kanak Jain EE 57. B16EE016 Kapil EE	39.	B16CS039	Vivek Dwivedi	CSE
42. B16CS042 Saksham Sanjay Banga CSE 43. B16EE001 Abhinav Joshi EE 44. B16EE002 Adeesh Jain EE 45. B16EE003 Adit Raj Gautam EE 46. B16EE004 Akhil Goel EE 47. B16EE005 Akhil Kumar Singh EE 48. B16EE006 Anchal Singh EE 49. B16EE007 Ashutosh Pandey EE 50. B16EE008 Ayush Mukund Gupta EE 51. B16EE010 Dharmesh Gupta EE 52. B16EE011 Hemendra Kumar Singh EE 53. B16EE012 Hitesh Kumar EE 54. B16EE013 Jitendra Jain EE 55. B16EE014 Jitendra Meena EE 56. B16EE015 Kanak Jain EE 57. B16EE016 Kapil EE	40.		Zaid Khan	
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44. B16EE002 Adeesh Jain EE 45. B16EE003 Adit Raj Gautam EE 46. B16EE004 Akhil Goel EE 47. B16EE005 Akhil Kumar Singh EE 48. B16EE006 Anchal Singh EE 49. B16EE007 Ashutosh Pandey EE 50. B16EE008 Ayush Mukund Gupta EE 51. B16EE010 Dharmesh Gupta EE 52. B16EE011 Hemendra Kumar Singh EE 53. B16EE012 Hitesh Kumar EE 54. B16EE013 Jitendra Jain EE 55. B16EE014 Jitendra Meena EE 56. B16EE015 Kanak Jain EE 57. B16EE016 Kapil EE	42.	B16CS042		CSE
45. B16EE003 Adit Raj Gautam EE 46. B16EE004 Akhil Goel EE 47. B16EE005 Akhil Kumar Singh EE 48. B16EE006 Anchal Singh EE 49. B16EE007 Ashutosh Pandey EE 50. B16EE008 Ayush Mukund Gupta EE 51. B16EE010 Dharmesh Gupta EE 52. B16EE011 Hemendra Kumar Singh EE 53. B16EE012 Hitesh Kumar EE 54. B16EE013 Jitendra Jain EE 55. B16EE014 Jitendra Meena EE 56. B16EE015 Kanak Jain EE 57. B16EE016 Kapil EE	43.	B16EE001	Abhinav Joshi	EE
46. B16EE004 Akhil Goel EE 47. B16EE005 Akhil Kumar Singh EE 48. B16EE006 Anchal Singh EE 49. B16EE007 Ashutosh Pandey EE 50. B16EE008 Ayush Mukund Gupta EE 51. B16EE010 Dharmesh Gupta EE 52. B16EE011 Hemendra Kumar Singh EE 53. B16EE012 Hitesh Kumar EE 54. B16EE013 Jitendra Jain EE 55. B16EE014 Jitendra Meena EE 56. B16EE015 Kanak Jain EE 57. B16EE016 Kapil EE	44.	B16EE002	Adeesh Jain	EE
47. B16EE005 Akhil Kumar Singh EE 48. B16EE006 Anchal Singh EE 49. B16EE007 Ashutosh Pandey EE 50. B16EE008 Ayush Mukund Gupta EE 51. B16EE010 Dharmesh Gupta EE 52. B16EE011 Hemendra Kumar Singh EE 53. B16EE012 Hitesh Kumar EE 54. B16EE013 Jitendra Jain EE 55. B16EE014 Jitendra Meena EE 56. B16EE015 Kanak Jain EE 57. B16EE016 Kapil EE	45.	B16EE003	Adit Raj Gautam	EE
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54. B16EE013 Jitendra Jain EE 55. B16EE014 Jitendra Meena EE 56. B16EE015 Kanak Jain EE 57. B16EE016 Kapil EE	52.	B16EE011	Hemendra Kumar Singh	EE
55. B16EE014 Jitendra Meena EE 56. B16EE015 Kanak Jain EE 57. B16EE016 Kapil EE	53.			EE
56. B16EE015 Kanak Jain EE 57. B16EE016 Kapil EE	54.	B16EE013	Jitendra Jain	EE
57. B16EE016 Kapil EE	55.	B16EE014	Jitendra Meena	
	56.	B16EE015	Kanak Jain	EE
	57.	B16EE016	Kapil	EE
	58.	B16EE017	Karan Kumar	EE
59. B16EE018 Kasar Rajat Sanjay EE	59.	B16EE018	Kasar Rajat Sanjay	EE
60. B16EE019 Kritika Chandan EE	60.	B16EE019	Kritika Chandan	EE

61.	B16EE021	Kshitij Kumar	EE
62.	B16EE022	Manu Sheoran	EE
63.	B16EE023	Mukesh Kumar Das	EE
64.	B16EE024	Nomraj Meena	EE
65.	B16EE025	Patil Rushabh Hemant	EE
66.	B16EE026	Pravendra S Khinchi	EE
67.	B16EE027	Prayrika Sharma	EE
68.	B16EE028	Rakshith Ramakanth Malapalli	EE
69.	B16EE029	Rohit Kewat	EE
	B16EE031	Shreshth Saini	EE
70.			EE
71.	B16EE032	Shruti Sachan Shubham Lodwal	EE
72.	B16EE033		
73.	B16EE034	Shuchi Jain	EE EE
74.	B16EE035	Sourabh Kumar Meena	
75.	B16EE036	Srijan Agarwal	EE
76.	B16EE037	Srishti Chauhan	EE
77.	B16EE038	Sumanth U	EE
78.	B16EE039	Ujjwala Anantheswaran	EE
79.	B16EE040	Yash Kumar Chouhan	EE
80.	B16EE041	Abhay Kumar	EE
81.	B16EE042	Abhinav Rishikesh	EE
82.	B16EE043	Divij Gupta	EE
83.	B16ME001	Aaditya Raj	ME
84.	B16ME002	Abhishek Bhaskar	ME
85.	B16ME003	Anuj	ME
86.	B16ME004	Badal Kumar	ME
87.	B16ME005	Bhaskar Vijay	ME
88.	B16ME007	Deependra Singh Bhati	ME
89.	B16ME009	Gautam Jain	ME
90.	B16ME010	Gulab Chand Meena	ME
91.	B16ME011	Harshul Sharma	ME
92.	B16ME012	Hemant Kumar	ME
93.	B16ME013	Jitendra Kumar Meena	ME
94.	B16ME014	Joshi Parth Jayeshbhai	ME
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97.	B16ME017	Nitesh Rai	ME
98.	B16ME018	Parvesh	ME
99.	B16ME019	Poojan Gajjar	ME
100.	B16ME020	Pradeep Panchal	ME
101.	B16ME021	Praduman Gupta	ME
102.	B16ME022	Pranav Maheshwari	ME
103.	B16ME023	Preshit Ameta	ME
104.	B16ME024	Pushpendra Choudhary	ME
105.	B16ME025	Raghavendra Meena	ME
106.	B16ME026	Raj Dewangan	ME
107.	B16ME027	Raveen	ME
108.	B16ME028	Sachin Beejawat	ME
109.	B16ME029	Sachin Bundela	ME
110.	D (115	Calchi Ioongar	ME
	B16ME030	Sakshi Jeengar	IVIL
111.	B16ME030 B16ME031	Shambhu Singh	ME

113.	B16ME033	Shreenath Nathany	ME
114.	B16ME034	Shubham Doharey	ME
115.	B16ME035	Subham Kant Das	ME
116.	B16ME036	Sudhir Kumar Kushwaha	ME
117.	B16ME037	Suresh	ME
118.	B16ME038	Upendra Sengar	ME
119.	B16ME039	Vinod Kumar Saini	ME
120.	B16ME040	Vishal Jain	ME
121.	B16ME041	Peela Subash Chandra Bose	ME

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S.No.	Roll No.	Name	Department
1.	B17CS001	Abhinav Pandey	CSE
2.	B17CS002	Abhinish Kumar Singh	CSE
3.	B17CS003	Alok Kumar	CSE
4.	B17CS004	Aman Raj	CSE
5.	B17CS005	Ansh Shrivastava	CSE
6.	B17CS006	Anshul Ahuja	CSE
7.	B17CS007	Anshuman Deka	CSE
8.	B17CS008	Arjun Joshi	CSE
9.	B17CS009	Aryan Singh	CSE
10.	B17CS010	Ayush Saxena	CSE
11.	B17CS011	Bandaru Santhu Ruthvik	CSE
12.	B17CS012	Battula Gautam	CSE
13.	B17CS013	Ch Bhanu Prakash	CSE
14.	B17CS014	Chalodiya Hiren Nareshbhai	CSE
15.	B17CS015	Deesha Chavan	CSE
16.	B17CS016	Dev Saad	CSE
17.	B17CS017	Devesh Kumar	CSE
18.	B17CS018	Dheeraj Meena	CSE
19.	B17CS019	Elvish Dadhaniya	CSE
20.	B17CS020	Fateh Singh Meena	CSE
21.	B17CS021	Gagandeep Singh	CSE
22.	B17CS022	Gangwar Anmol Reddy	CSE
23.	B17CS023	Gaurav Arya	CSE
24.	B17CS024	Geetesh Gupta	CSE
25.	B17CS025	Hrishi Raj	CSE
26.	B17CS026	Itisha Patidar	CSE
27.	B17CS027	Jay Bhaskar Kapadia	CSE
28.	B17CS028	Kamal Kant Sharma	CSE
29.	B17CS029	Karan Sanjay Modh	CSE
30.	B17CS030	Kunal Jangid	CSE
31.	B17CS031	Kush Trivedi	CSE
32.	B17CS032	Manish Kumar	CSE
33.	B17CS033	Manisha	CSE
34.	B17CS034	Mayank Maheshwari	CSE
35.	B17CS035	Mohammad Umair Anis	CSE
36.	B17CS036	Mohit Maroliya	CSE
37•	B17CS037	Muzzafer Ali	CSE
38.	B17CS038	Peramsetty Pranavi	CSE
39.	B17CS039	Piyush Kumar	CSE
40.	B17CS040	Pradeep Chouhan	CSE

41.	B17CS041	Pranjal Jain	CSE
42.	B17CS041	Rahul Sudish Bansode	CSE
43.	B17CS042	Rameshver	CSE
44.	B17CS044	Rishav Jain	CSE
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46.	B17CS046	Samyak Kumar	CSE
	B17CS047	Sanidhya Sodhani	CSE
47. 48.	B17CS047	Satya Prakash Sharma	CSE
49.	B17CS049	Saurav Ramesh Malekar	CSE
50.	B17CS050	Shashwat Kathuria	CSE
	B17CS050	Shreyas Sharad Mahajan	CSE
51.	B17CS052	Shubhankar Gaikwad	CSE
52.	B17CS052	Shyam Kumar Gautam	CSE
53.	B17CS054	Sourabh Dharpure	CSE
54. 55.	B17CS055	Sristi Jain	CSE
56.	B17CS055	Undadi Ganesh	CSE
-		Vaibhav Mishra	CSE
57.	B17CS057		CSE
58.	B17CS058	Vinay Vijay Devadiga	CSE
59.	B17CS059	Yashodharm Mogra	
60.	B17CS060	Yuvraj	CSE EE
61.	B17EE001	Aditya Gupta	
62.	B17EE002	Akash Kumar Singh	EE
63.	B17EE003	Aksh Chordia	EE
64.	B17EE004	Akshansh Malik	EE
65.	B17EE005	Aman Namdev	EE
66.	B17EE006	Aniket Sharma	EE
67.	B17EE007	Anil Kumar Gurjar	EE
68.	B17EE008	Anshu Priya	EE
69.	B17EE009	Anupama Patel	EE
70.	B17EE010	Apoorv Jain	EE
71.	B17EE011	Arham Chordia	EE
72.	B17EE012	Aryan Mehta	EE
73.	B17EE013	Asif Ahmed	EE
74.	B17EE014	Bhuvnesh Kumar	EE
75.	B17EE015	Chaitany Prakash Mahawar	EE
76.	B17EE016	Chakshu Gupta	EE
77.	B17EE017	Chavan Pratik Sharad	EE
78.	B17EE018	Chayan Parikh	EE
79.	B17EE019	Darsh Agrawal	EE
80.	B17EE020	Dev Meena	EE
81.	B17EE021	Devansh Bhargava	EE
82.	B17EE022	Devesh Kumar Jangid	EE
83.	B17EE023	Devraj Meena	EE
84.	B17EE024	Dheeraj Kumar	EE
85.	B17EE025	Dhruv Jain	EE
86.	B17EE026	Diwakar Twinwal	EE
87.	B17EE027	Dravid Kumar	EE
88.	B17EE028	Ganesh Balasaheb Jadhav	EE
89.	B17EE029	Gaurav Biyani	EE
90.	B17EE030	Gaurav Rawat	EE
91.	B17EE031	Geetika Agrawal	EE
92.	B17EE032	Gunjan Mandawat	EE

93.	B17EE033	Harshit Sharma	EE
94.	B17EE034	Harshkooshal Kamlesh Gandhi	EE
95.	B17EE035	J. Sandeep Narayan	EE
96.	B17EE036	Jain Ritik	EE
97.	B17EE037	Kanani Alishkumar Hareshkumar	EE
98.	B17EE038	Lucky Kumar	EE
99.	B17EE039	Manasi Khobragade	EE
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101.	B17EE041	Mayank Raj	EE
101.	B17EE042	Muskan Chitara	EE
	B17EE042	Navin Kumar	EE
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104.	B17EE044	Nikita Mangal Nikita Sen	EE
105.	B17EE045	Pradeep Kumar Kushwaha	EE EE
106.	B17EE046	·	EE
107.	B17EE047	Raghav Gupta	
108.	B17EE048	Sabyasachi Pradhan	EE
109.	B17EE049	Sachin Meena	EE
110.	B17EE050	Sahil Harish Batra	EE
111.	B17EE051	Sakshi	EE
112.	B17EE052	Sanchit Tapdiya	EE
113.	B17EE053	Saurav Yadav	EE
114.	B17EE054	Shah Nisarg Anish	EE
115.	B17EE055	Shivani Meena	EE
116.	B17EE056	Shivansh Kulshrestha	EE
117.	B17EE057	Siddarth Jain	EE
118.	B17EE058	Vaidya Swar Bhavarth	EE
119.	B17EE059	Vipin Kumar	EE
120.	B17EE060	Vipul Sahu	EE
121.	B17ME001	Abhijeet Abhay Sutar	ME
122.	B17ME002	Adarsh Jain	ME
123.	B17ME003	Aditi Tiwari	ME
124.	B17ME004	Ajay Goel	ME
125.	B17ME005	Ajay Kumar	ME
126.	B17ME006	Ajay Kumar Meena	ME
127.	B17ME007	Akarsh Kumar	ME
128.	B17ME008	Akash Gaur	ME
129.	B17ME009	Aman Sumit Goel	ME
130.	B17ME010	Anil Kumar	ME
131.	B17ME011	Animesh Baggan	ME
132.	B17ME012	Anirudh Singh Tomar	ME
133.	B17ME013	Ankit Malav	ME
134.	B17ME014	Ankit Mangal	ME
135.	B17ME015	Ankur Meena	ME
136.	B17ME016	Anshul Kulhari	ME
137.	B17ME017	Apte Prathamesh	ME
138.	B17ME018	Arif Muhammed V. S.	ME
139.	B17ME019	Arpit Kumar	ME
140.	B17ME020	Ashish Sandesh Chavan	ME
141.	B17ME021	Atharva Mandsaurwale	ME
142.		A 1	АЛГ
	B17ME022	Ayaz Aslam	ME
143.	B17ME022 B17ME023	Chirag Raj Gajrani	ME

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145.	B17ME025	Dhruv Krishna	ME
146.	B17ME026	Dnyaneshwari Pandhari Sonone	ME
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148.	B17ME028	Kumar Aashish	ME
149.	B17ME029	Mayank Kumar	ME
150.	B17ME030	Mayank Singh	ME
151.	B17ME031	Mayank Tak	ME
152.	B17ME032	Mogili Vamsi Kalyan	ME
153.	B17ME033	Naman Jindal	ME
154.	B17ME034	Pallav Agrawal	ME
155.	B17ME035	Pankaj Kumar	ME
156.	B17ME036	Pareekshit Singh Rawat	ME
157.	B17ME037	Pawan Kishore	ME
158.	B17ME038	Ponnapati Hemanth	ME
159.	B17ME039	Pooja Chouhan	ME
160.	B17ME040	Prakhar Gupta	ME
161.	B17ME041	Pravar Joshi	ME
162.	B17ME042	Priyesh Kumar	ME
163.	B17ME043	Pulkit Joshi	ME
164.	B17ME044	Pushpendra Singh	ME
165.	B17ME045	Rajat Nirwan	ME
166.	B17ME046	Raju Raj Kumar	ME
167.	B17ME047	Ramu Choudhary	ME
168.	B17ME048	Raushan Kapoor	ME
169.	B17ME049	Rohan Sunil Shisode	ME
170.	B17ME050	Sachin Pandey	ME
171.	B17ME051	Shaunak Abhijit Mehta	ME
172.	B17ME052	Shivam Goel	ME
173.	B17ME053	Shubham Suresh Gattani	ME
174.	B17ME054	Siddhant Shrikant Saoji	ME
175.	B17ME055	Simon Timothy	ME
176.	B17ME056	Yash Kala	ME



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