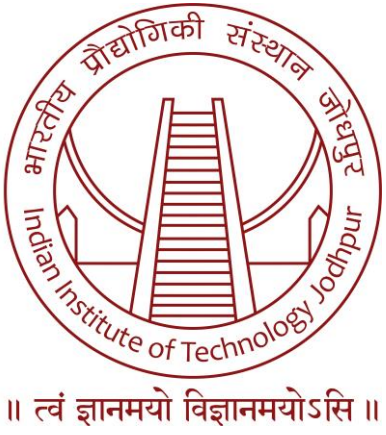


Indian Institute of Technology Jodhpur

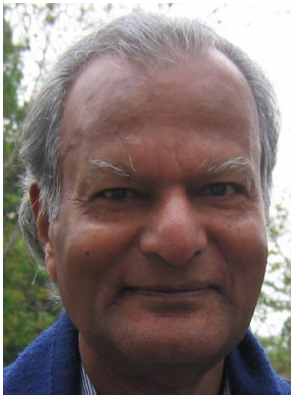
Fifth Convocation

17 December 2019

Convocations of IIT Jodhpur

The Institute has hosted four convocations so far. They are:

Convocation	*Date*	*Venue*	*Chief Guest*
First Convocation	10 July 2013	IIT Jodhpur Permanent Campus premises	*Shri Pranab Mukherjee*, Former Hon'ble President of India
Second Convocation	16 July 2014	Town Hall, Jodhpur	*Dr. V. K. Saraswat*, Former Director General, DRDO
Third Convocation	8 December 2016	Auditorium, AIIMS, Jodhpur	*Dr. Arvind Panagariya*, Vice Chairman, NITI Aayog, Government of India
Fourth Convocation	25 August 2018	Lecture Hall 110, IIT Jodhpur	*Dr. Srikumar Banerjee*, DAE Homi Bhabha Chair Professor, Bhabha Atomic Research Centre, Mumbai



Professor Suhash Chandra Dutta Roy
Chief Guest, 5th Convocation, IIT Jodhpur

Professor S. C. Dutta Roy was educated at the Calcutta University, culminating in a D.Phil. Degree in Radio Physics and Electronics. His teaching and research experience includes teaching at an Indian University, two U.S. Universities, one U.K. University, and a long spell of four decades at IIT Delhi. His research has been recognized by several national awards, including the *Shanti Swarup Bhatnagar Prize*, and through Fellowship of the IEEE, and of all the national academies of science and engineering, and Distinguished Fellowship of the IETE. What he values most, however, is the love, affection and appreciation of a very large number of students whom he interacted with personally, and an equally large number of his virtual students, spread throughout the world, through the five video courses he authored, which are available on the YouTube. He enjoys listening to classical music and researching on its history and the history makers, no less than the enjoyment he derives out of his professional work.

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Convocation Program

Program		कार्यक्रम
Arrival of the Academic Procession	10.30 am	शैक्षणिक शोभायात्रा का आगमन
Invocation	10.35 am	वंदना
Declaring the Convocation Open	10.38 am	दीक्षान्त समारोह के प्रारम्भ की घोषणा
Welcome Address and Institute Report	10.40 am	स्वागत एवं संस्थान प्रतिवेदन प्रस्तुति
Award of Degrees	10.50 am	उपाधि प्रदान
Signing Register of Degrees	11.50 pm	उपाधि पंजिका में हस्ताक्षर
Oath Taking by Graduates	11.52 pm	स्नातक शपथ ग्रहण
Presentation of Medals and Prizes	12.00 pm	पदकों एवं पुरस्कारों का वितरण
Convocation Address	12.25 pm	दीक्षान्त अभिभाषण
Closing Remarks	12.45 pm	समापन भाषण
Declaring the Convocation Closed	12.55 pm	दीक्षान्त समारोह के समापन की घोषणा
National Anthem	12.56 pm	राष्ट्रगान
Departure of Academic Procession	12.57 pm	शैक्षणिक शोभायात्रा का प्रस्थान
Program Ends	1.00 pm	कार्यक्रम समाप्त

Director's Report

Professor Santanu Chaudhury
Director, IIT Jodhpur

Respected Dr. R. Chidambaram, Chairman of Board of Governors, Prof. S. C. Dutta Roy, Chief Guest of today's Convocation Ceremony, Members of the Board, and external Members of the Senate, Distinguished Guests, Dear Parents & Graduands, my faculty and staff colleagues, members of the press, Ladies & Gentlemen:

The tenth year of its existence marks the beginning of a new journey for the Institute. It is now well settled in the permanent campus. With major enabling facilities in place, this year, the Institute has embarked on a large-scale/massive plan of expansion – expansion in terms of new programmes, followed by commensurate increase in number of students and faculty members.

Academics

In its 10th year, IITJ took the initiative to review its UG, PG and Research Programmes to usher in changes responding to emerging technological trends, industrial demands and socio-economic needs of the country.

IIT Jodhpur has introduced the M.Tech.-Ph.D. dual degree programme to attract bright young B.Tech. graduates to a Ph.D. programme akin to international norm for admitting outputs of 4-year programmes for research degree. It has also started the M.Sc.-M.Tech. Dual degree for

providing industry oriented career opportunities to science graduates. These programmes have been started in various tracks. IITJ has started new M.Tech., M.Tech.-Ph.D. and M.Sc.-M.Tech. dual degree programmes in Artificial Intelligence, Communication Engineering, Cyber Physical Systems, Sensors & Internet of Things, Data & Computational Sciences, Advanced Manufacturing and Design, Thermofluids Engineering - to name a few.

IIT Jodhpur has now operationalised the department of Civil and Infrastructure Engineering and Chemical Engineering. It is also setting up a School of Management and Entrepreneurship. New academic programmes are being initiated in these areas. In the forth-coming academic session, IITJ will initiate new UG and PG programmes in the areas of Civil and Infrastructure Engineering, Chemical Engineering and Materials Engineering. IITJ will also start an MBA programme in the next academic sessions. In response to emerging requirements and the shifting dynamics of technology, the Institute has decided to start two unique centres, namely,

1. Centre for Technology Foresight and Policy, and
2. Centre for Emerging Technologies for Sustainable Development.

To foster the spirit of interdisciplinary research, the Institute has initiated Inter-disciplinary Research Programs in seven broad areas namely, Space technology, Quantum Information Processing, Cognitive Science, Smart Healthcare, IOT and Applications, Digital Humanities, and Autonomous Unmanned Vehicles. IIT J is offering Ph.D. programmes in these areas. We are very happy to announce, that in the next year, we shall start new interdisciplinary academic programmes - Masters and Ph.D. in Medical Technology, offered jointly by AIIMS Jodhpur and IIT Jodhpur with an admissions intake of both doctors and engineers. An M.Sc. programme in Digital humanities is also planned.

IIT Jodhpur is also revising its undergraduate curriculum. The new UG curriculum provides opportunity for the students to tailor their programme based upon their interest and capability while remaining anchored in their core branch. At the end of seven semesters, a student can also opt for a 5-year **B.Tech.-M.Tech. Dual degree.** To kindle the spirit of imagination and creativity IIT

Jodhpur has introduced design thinking as a core component in the curriculum from the first year itself. Students can pursue their design ideas and improve upon them as they learn more about engineering. In their final year they can take up these ideas for possible product development by opting for Entrepreneurship as a minor. Furthermore, they can pursue product development at the IITJ incubator and credit relevant courses in their fifth year to get an M.Tech. degree in Entrepreneurship. Students will also have the opportunity to pursue their ideas by opting for Engineering Innovation as a minor through which they are expected to get initiated in Engineering Research in close collaboration with industry or research institutions. Students can also opt for a number of other minor areas and specializations.

We are making all possible endeavours to increase the student strength at IIT Jodhpur. In the last one year we have increased student strength by approximately 500. Currently we have 850 B.Tech., 120 M.Sc., 4 M.Sc.-M.Tech., 192 M.Tech., 23 M.Tech.-Ph.D., 250 Ph.D. students and 5 students of preparatory programme, on campus, making a total of 1444. With new infrastructural facilities in place, we are working on further increasing our student strength in the academic sessions to come.

Human Resources

The Institute has 11 fully functional departments and the number of Faculty Members has increased to 112 in this one year. Currently we have 6 Professors, 33 Associate Professors, 71 Assistant Professors and 2 Young Faculty Associates, associated with these departments.

Recruitment of Faculty Members into two new departments, i.e., the departments of Chemical Engineering, Civil and Infrastructure Engineering and School of Management and Entrepreneurship is underway. The Institute has consciously taken steps towards establishing centers and schools, wherein academicians and industry experts will associate together to work on topics of current interest and scope.

Research

IIT Jodhpur is conducting cutting-edge fundamental as well as translational research directly focusing on human health, technological advancement and empowering young minds to become the intellectual resource of our country. The Institute is running research programmes in diverse areas through its various departments and has published in highly reputed international journals, highlighted in several national and international media besides filing 6 patents this year. Some of our key achievements this year are as follows: (i) highly sensitive device/sensor to detect cadmium, lead and hydrogen; (ii) catalytic converter for automobiles using Rajasthani clay; (iii) filter for drinking water treatment and its use for chemical free agriculture; (iv) development of biofuel; (v) development of therapeutic leads, markers for neurodegenerative disease and brain cancer as well as discovering fundamental insights of disease; (vi) estimation of brain connectivity through neural network approach; (v) paper-based high performance transistors; (vi) development of biometric inspired security framework for medical images; (vii) AI based sensor etc.

Currently, we have 75 ongoing research projects from various funding agencies and 6 consultancy projects. We have created an excellent academic and scientific ecosystem, resulting in the submission of around 150 research projects to various funding agencies. This is a clear mark of the rapid growth of the Institute in the last one year.

Furthermore, the Institute has signed MoUs with AIIMS Jodhpur, CSIR, Defense Lab Jodhpur and other academic and research organizations to support academic and research activities.

Innovation and Incubation

Dr. Arabinda Mitra, Scientific Secretary, Office of the Principal Scientific Advisor, Government of India, launched the IIT Jodhpur Innovation Complex on the occasion of the Institute Foundation Day on 2 August 2019. As a part of this, the Technology Innovation and Startup Centre (TISC) is set up at IIT Jodhpur to provide incubation space for startups and innovators. This setup

aims at nucleating a cluster of new age ventures around the focal theme of "Artificial Intelligence of Things (AIOT)" which is thematically unique in the country. The focus sectors are AIOT Including ICT & Electronics for livelihood & infrastructure management, New and Renewable Energy and Environmental sustainability, Sensor Technology, Micro and Nano electronics, and AI applications.

We are happy to report that this incubator has been recognized for support by Ministry of MSME and Ministry of Electronics and Information Technology.

Engagement with Industries

The Institute is engaging with industries and other academic and research organizations to encourage delivery based research activities. The Institute has made significant efforts to connect with the industry during the past one year by signing agreements with leading industries. The Center for Next Generation AI Research (AINEXT) has been launched by partnering with NVIDIA as a key technology and computing partner by installing DGX-2, the world's most powerful AI system. This unprecedented venture is targeted towards accelerating the research and development of next-generation AI systems in various domains such as healthcare, agriculture, education, and public safety. The Institute is also partnering with ANSYS and Entuple Technologies for the advancement of research, product design and development of Electric Vehicles, Internet of Things, and 5-G Technologies. The Institute has tied up with Samsung to establish a state-of-the-art research facility in the area of AR/VR technologies. The discussions for signing joint research agreements with Cognizant (AI research and Healthcare), SS Innovations (Medical Robotics), and NetApp Technologies are underway.

Faculty Recognition

The research conducted by faculty Members is receiving increased international recognition. For instance, a transaction paper authored by Dr. Soumava Mukherjee, Assistant Professor,

Department of Electrical Engineering, along with other co-authors, has been selected to feature in the cover page of the journal, IEEE Transactions on Antennas and Propagation. Dr. Chandan Pandey, Assistant Professor, Department of Mechanical Engineering, received "2019 MMI-Springer award in Metals and Materials International Journal" on 24 October 2019 for his research paper 'Characterization of Microstructure of HAZs in As-Welded and Service Condition of P91 Pipe Weldments', awarded by President, Korean Institute of Metals and Materials. The research paper published by a team led by Dr. Subhashish Banerjee, Dr. V. Narayanan, Department of Physics, was featured on the cover page of the prestigious international journal "Annalen der Physik".

Also, several Faculty Members were recognized for their research contribution in their respective fields, like:

(1) Dr. Amit K. Mishra, of Department of Bioscience & Bioengineering, received
- Shri Om Prakash Sharma Award, India by Indian Academy of Biomedical Sciences (IABS) India;
- Shankunta Amir Chand Prize by Indian Council of Medical Research Human Resource Development-Health Research Ministry; and
- Malaviya Memorial Award for 2018 by The Biotech Research Society, India.

(2) Dr. Sushmita Jha, of Department of Bioscience & Bioengineering, won the Outstanding Scientist Molecular Biology award under the Health and Medical Sciences discipline at the 4th Venus International Research Awards.

(3) Dr. Priyanka Singh, of Department of Bioscience & Bioengineering, was selected as one of the recipients of Har Govind Khorana-Innovative Young Biotechnologist Award 2019 by the Department of Biotechnology, Govt. of India.

(4) Dr. Mahesh Kumar, of Department of Electrical Engineering, selected as Emerging Leader 2018 by the Journal of Physics D: Applied Physics, published by the Institute of Physics, UK.

(5) Dr. Rajlaxmi Chouhan, of Department of Electrical Engineering, was presented with Late Shri Prahlad P. Chhabria Award 2019 for Best Woman Professional (Early Career) instituted by Hope Foundation and Research Center (HFRC) in association with IEEE India Council and

Women in Engineering Affinity Group, IEEE Pune Section. The award includes a Medal, a Citation, and a Prize of Rs. 1.25 Lakhs.

(6) Dr. Soumava Mukherjee, of Department of Electrical Engineering, received URSI Young Scientist Award in 2019 URSI Asia Pacific Radio Science Conference.

(7) Dr. Saakshi Dhanekar, of Department of Electrical Engineering, received IEEE Young Professionals (YP) Hall of Fame Award for conducting the YP activities in IEEE Sensors Council during 2018. She was also invited for the BBC program "What's holding Women back in Science?" at National Science Center, New Delhi.

Three Faculty Members are the recipients of the DUO-India fellowship 2020 awards, namely,

(1) Dr. Mahesh Kumar from Department of Electrical Engineering,

(2) Dr. Satyajit Sahu from Department of Physics and

(3) Dr. Shobana Singh from Department of Mechanical Engineering.

The DUO-India fellowship aims to provide mobility between Indian and European institutes by funding 50 professor-pairs for the exchange of one month during 2020.

Two Faculty Members joined the *Professional Societies*, namely:

(1) Dr. Amit K. Mishra, of Department of Bioscience & Bioengineering, was selected for the Distinguished Life Time Membership of National Academy of Medical Sciences (NAMS), India.

(2) Dr. Mahesh Kumar, of Department of Electrical Engineering, was admitted as Member of The Royal Society of Chemistry, UK.

Also, Dr. Deepak Fulwani, of Department of Electrical Engineering, was inducted into the Editorial Board of IEEE Transactions on Industry Applications as an Associate Editor. The Royal Society of Chemistry has signed an agreement with Professor Surajit Ghosh, Department of Bioscience & Bioengineering, as an Associate Editor of the journal, RSC Advances, which has an Impact Factor of 3.04 for the contract period 2019-22. As Associate Editor, Prof. Ghosh is handling manuscripts from four disciplines of the journal - Biology, Chemical Biology and Medicinal Chemistry, Nanoscience and Materials, mostly Biomaterials.

International Relations

The internationalization of academic programmes and research activities have become crucial in recent years due to the changing global scenario and internationalization of education. The Institute established the Office of International Relations this year to increase the internationalization of its academic and research activities as well as global outreach. The Institute is engaging to admit international students into its programmes through various Government of India schemes such as ASEAN fellowships, Study in India, IntApp initiative, ICCR, sponsored PhD programs, etc. Faculty members are actively participating in joint research schemes such as Shastri Indo-Canadian Institute, ASEM-DUO, GIAN, SPARC to enhance international research collaborations and output. Out of 50 ASEM-DUO fellowships granted this year for Indian faculty members, three awards (Dr. Mahesh Kumar, Department of Electrical Engineering; Dr. Shobhana Singh, Department of Mechanical Engineering; Dr. Satyajit Sahu, Department of Physics) were given to IIT Jodhpur faculty members. The Institute is planning to engage actively with foreign universities to promote student and faculty exchange, joint research projects, workshops, symposia, conferences etc. The Institute signed an agreement with Nara University, Japan this year to meet these objectives, and an agreement will be signed soon with KMU, Taiwan, and UT Troyes, France.

Alumni Affairs

A fully functional Alumni Relations Office with office bearers and dedicated human resources has been set up in the current year. The office aims to strengthen and deepen the relationship with Alumni through various events, activities, and campaigns. An alumni portal has been launched this year to create opportunities through career guidance programs, campus mentorships, scholarships, placements, networking platforms, fundraising etc. IIT Jodhpur lays a strong emphasis on the interaction between the alumni and the alma mater. In this regard, the first Alumni Day of the Institute is being planned on 25th January 2020 which will provide a platform for alumni to connect with their alma mater. The Institute is proud of its alumni and their achievements. I am happy to mention that the Institute alumni have marked their presence at top academic

institutes, industries, public services, and research laboratories in the country. The success of alumni is one of the most important parameters through which the achievements of an institute are measured. The Institute will be honoring the achievements of alumni by announcing "Recognition of Excellence in Young Alumni" (REYA) awards on Alumni Day from this year onwards.

Outreach

Under the *Unnat Bharat Abhiyan (UBA)* initiative IIT Jodhpur has adopted five villages under Bhopalgarh district, for carrying out development activities. The objectives of Unnat Bharat Abhiyan are broadly two-fold, namely:

(1) Building institutional capacity in Institutes of higher education in research & training relevant to the needs of rural India; and
(2) Providing rural India with professional resource support from institutes of higher education, especially those which have acquired academic excellence in the fields of Science, Engineering and Technology, and Management.

Besides participating in this ambitious program of the nation, IIT Jodhpur has also become a Regional Coordinating Institute (RCI) of the UBA whose National Coordinating Institute is IIT Delhi and active teams of Faculty Members and Staff Members are carrying out work in several villages and districts of the state to adopt them under the broad umbrella of UBA through this RCI.

The Institute has also taken a major step by leading the aspirational "Sirohi" project. It is about the innovative use of High End Technologies and Governance Reforms for Aspirational Districts. The goal is to accelerate district performance under Aspirational District Program through technological and management interventions and develop 'Sirohi Model'. Under this, a pilot project will be developed to show a unique model for exponential growth of aspirational districts, using latest/appropriate technologies and process management interventions. The "Sirohi Model" is expected to be ready for replication/ scaling by end of FY 2019-20. Initial interventions are proposed in the fields of health, agriculture, solar energy, drinking water and in improving communications

and internal processes. Disruptive technologies like Artificial Intelligence, Internet of Things, Big Data/Analytics, with use of sensors, drones, etc. are being used. The project is run by Collector, Sirohi & his team with support from all collaborating organizations like CSIR-IGIB New Delhi, CSIR-CEERI Pilani, AIIMS-Jodhpur, ICMR-DMRC Jodhpur, ICAR-CAZRI Jodhpur, ICAR-ATARI Jodhpur, and Agriculture University Jodhpur including IIT Jodhpur.

The Institute is making efforts to contribute in terms of outreach activities. This year, Dr. Ritu Gupta, from Department of Chemistry, organized a one-day "Science Exhibition and Lecture Series on Nanotechnology" in collaboration with Centre for Nano and Soft Matter, Bangalore and support from Karnataka Science and Technology Promotion Society (Govt. of Karnataka). The event was scheduled at IIT Jodhpur on 15, October 2018 and Rajasthan University, Jaipur on 29 October 2018 for science students belonging to different streams from various schools, colleges and institutes of Jodhpur and Jaipur. There were around 300 participants from at the event organized at IIT Jodhpur and 250 participants at Rajasthan University, Jaipur. The event consisted of introductory and advanced lectures, an exhibition, open discussion session, a quiz and a video show. The students were excited about the programme and delighted to see the real-life examples of nanotechnology and how the properties of materials changes at the nano-scale.

Conferences and Workshops

The 6th Course under Global Initiative of Academic Networks (GIAN) program on "Topological Solitons and their Applications" was organized by Dr. Subhashish Banerjee, from the Department of Physics, during 10-15 December 2018. A national workshop on "Emerging Applications of Nonlinear Dynamics and Chaos in Science and Engineering" was organized during 13-15 December 2018 by Dr. Barun Pratiher and Dr. V. V. M. S. Chandramouli. Dr. Priyanka Singh from Department of Bioscience and Bioengineering coordinated the 16th Subject Expert Committee-Life Science meeting under the Women Scientist Scheme of DST during 14-16 February 2019. The Department of Mathematics organized a national workshop on "Intelligent Multimodal Interfaces"

during 09-10 March 2019. A national conference on "AI Innovations and IP Trends" was organized in collaboration with Rajasthan Council of Science and Technology during 11-12 March 2019. Dr. Sushmita Paul, from Department of Bioscience & Bioengineering organized a workshop on "Computational Biology and Bioinformatics" during 31 July-01 August 2019. The workshop was sponsored by Science and Engineering Research Board, DST and MGI Tech Co. Ltd. A workshop on "Transforming India with AI" was organized during 08-09 August 2019, which was sponsored by NetApp Inc. The Regional Young Investigator's Meeting-West was organized during 31 October-02 November, 2019 in collaboration with India Bioscience, AIIMS Jodhpur, IIT Gandhinagar, and Ahmedabad University.

In addition, Faculty Members of the Departments invited several eminent scientists and academics during this year to deliver special lectures and for review of curricula of various academic programs hosted by the Institute.

Student Achievements

This year, students of the Institute received their share of accolades too. While this is not an exhaustive list of the achievements of the undergraduate and postgraduate students, here is a sneak peek into their achievements.

(1) 32 students participated in the Inter-IIT TechMeet 2018 held in IIT Bombay, and won one Gold Medal and two Bronze Medals, securing an overall 10th position for the Institute among all the participating IITs. The Gold Medal was won in the event BETiC Innovation Challenge by the team comprising Dhruv Krishna, Aman Goel, Pushpank Katare, Deepak Arjariya, Subham Suresh Gattani, Bhaskar Vijay, Mukesh Sharma, and Ashutosh Pandey. The Bronze Medal was won in the Campus Sustainability Challenge by the team comprising Kuldeep Singh Jangir, Shreyas Mahajan, Vaibhav Mishra, Aksh Chordia, Nikhil Srivastava, Aryan Singh, Shivang Khandelwal, Sanchit Tapadiya, Piyush Kumar, and Saksham Sanjay Banga. Another Bronze

Medal was won in the Coding Hackathon by the team comprising Ajat Prabha, Sahil Harish Batra, Abhinav Suthar, and Saksham Sanjay Banga.

(2) Two teams have qualified for the quarterfinals of the DST & TI India Innovation Challenge Design Contest (IICDC) 2018. These teams comprise *Eashan Jindal, Ankit Mittal, Arham Chordia, Akshay Goel, and Animesh Kumar Singh* (for their project on automated quality control of crops), and *Kanani Alishkumar Hareshkumar, Chakshu Gupta, Siddhant Shrikant Saoji, Sumanth U, and Srijan Agarwal* (for their project on Netra - Indoor navigator for the visually impaired). This edition of IICDC witnessed participation of 26,511 students from 10,146 teams from all the states of India. Our two teams are among the 346 teams who moved ahead to the Quarterfinals Round.

(3) Three teams from our Institute qualified for the ACM ICPC Regional Rounds, out of which the team comprising *Anurag Shah, Srijan Agarwal, and Shambhu Singh* have received a rank 30 in the regional rounds.

(4) A team of second year B.Tech. students (*Anshul Ahuja, Aksh Chordia and Ayush Saxena*) bagged the 3rd prize at the Microsoft AXLE 2019 organized at Bengaluru.

(5) *Harshkooshal Kamlesh Gandhi,* a second year B.Tech. Electrical Engineering student, awarded Excellence in poster presentation at the international conference, PHOTONICS 2018 held at IIT Delhi.

(6) *Harshit Sharma*, Pre-Final Year B.Tech. student from Department of Electrical Engineering, secured 2nd runner-up position and received prize money of INR 1 Lakh in Artificial Intelligence contest 'HumAIn 2019' organized by TCS. HumAIn, witnessed participation by over 30,000 engineering students from over 1,000 colleges across India.

(7) *Pooja Sharma*, M.Sc. student from Department of Chemistry has secured the highly prestigious and competitive "Prime Minister's Research Fellowship (PMRF)". She is one of nine recipients all over India in the discipline of Chemistry.

The Ph.D. Students are also doing well in their respective areas. For instance:

(8) To present their research work, the following students received International Travel Grant from IEEE Signal Processing Society to attend conferences:

(a) *Hiteshi Jain*, Ph.D. Student of Department of Computer Science & Engineering, for attending IEEE International Conference on Image Processing (ICIP) 2018 in Greece.

(b) *Deepak*, Ph.D. Student of Department of Electrical Engineering, for attending IEEE Global Conference on Signal and Information Processing (GlobalSIP) 2018 in California, USA.

(9) *Aditya Raj*, Ph.D. Student from Department of Electrical Engineering, selected for the prestigious Newton Bhabha Ph.D. Placement program 2019. Under this program funded by the Department of Biotechnology (DBT), India and the British Council, UK, he will work as a visiting researcher at Kingston University, London.

(10) *Tushar Shinde*, Ph.D. Student from Department of Electrical Engineering, was awarded Winner's Prize of $1500 in 3 Minute Thesis Competition for a compelling oration on his research work at the IEEE International Conference on Image Processing (ICIP 2018) at Athens, Greece; he also received the prestigious IEEE SPS Student Grant Award in GlobalSIP 2019.

(11) *Abhinav Srivastava,* Ph.D. Student from Department of Chemistry, received Best Poster Prize from Royal Society of Chemistry for his research work at the International conference on Computational Fluids (CompFlu-2018) held at IIT Roorkee.

(12) *Devika Laishram*, Ph.D. Student from Department of Chemistry, was selected for 1st Overseas Visiting Doctoral Fellowship (OVDF) program fully funded by SERB. Under this programme, she will work at the University of Alberta, Canada for six months.

(13) *Chandni Kumari*, Ph.D. student, Department of Physics, received the "Best Poster Award" in IEEE NMDC 2019 held during 27-31 October 2019 in Stockholm, Sweden.

(14) *Piyali Biswas*, Ph.D. student, Department of Physics received the "Best Paper Award" in International Conference on Optics & Electro-Optics (ICOL) held during 19-22 October 2019 at IRDE, Dehradun, India.

(15) *Ram Milan Sahani*, Ph.D. Student, received Best Oral Presentation award in the International Conference on Radiological Emergency and Management (ICONRDEM-2019) held at Jaipur.

(16) *Gaurav Bahuguna*, Ph.D. Student, received Best Oral Presentation Prize at the International Conference on Energy and Environmental Challenges.

(17) *Rohitash Kumar*, Ph.D. Student was awarded with Anil K. and Bharati Bhatnagar Award for Best Thesis Presentation in Solid State Physics in 63rd DAE Symposium on Solid State Physics.

(18) *Kumar Rahul*, Ph.D. Student, Department of Electrical Engineering, received the Hong Kong Government Grant through HKSTP-STEP program for his start-up in Hong Kong, Episkey.

(19) *Idury Satya Krishna*, Ph.D. student, Department of Electrical Engineering, received prestigious European Microwave Conference Student Grant Award in EuMC 2019.

(20) *Shraddha Choudhary*, Ph.D. Student, Department of Mathematics, received Best Paper Award at IEEE TENCON 2019, held during 17-20 October, 2019.

(21) *Sibnath Dey*, Ph.D. Department of Physics received the "Best Paper Award" in the International Symposium on Photonics and Plasmonics (ISSP-2019) held during 23-24, September 2019 at Central University of Rajasthan, India.

(22) A paper authored by *Aditya Raw Gautam*, *Nupur Rathore*, Ph.D. Student in the Department of Electrical Engineering, along with *Dr. Deepak Fulwani,* which was presented at the 53rd IEEE Industry Applications Society Annual Meeting at Portland, USA is selected for the award of "First Prize Paper".

Placement

The Institute worked tirelessly to maximise student placements in renowned companies and organisations. The Office of Student Placements (OSP) has created the Student Career Development Centre, which will enable students to build competencies in sync with their dream careers, thereby ensuring their smooth transition into the professional world. The Office of Student Placements organized career planning activities, soft skills enhancement training and mock interviews for the students. During 2018-19, 77 students were placed. 39 companies visited the Institute, including some well-known companies (like *Amazon, Infosys, ISRO, L&T ECC, Microsoft, Mahindra & Mahindra, Morgan Stanley, Tata Consultancy Services and Maruti*).

The Decennial Year

On the occasion of the Decennial Year of the establishment of the Institute, the Institute has started the Decennial Lecture Series and quite a few eminent scientists and academicians have honoured the Institute by delivering lectures on topics of importance. Dr. Sharmila Mande, Chief Scientist and Head, Biosciences R&D, TCS Innovation Labs, Pune; Dr. Tapan Misra, Distinguished Scientist, Former Director, Indian Space Research Organisation, Ahmedabad; and Dr. Anurag Agarwal, Director, CSIR Institute of Genomics & Integrative Biology (IGIB), New Delhi have been to the Institute for delivering the lectures.

Also, during the celebration of the 10th Foundation Day of the Institute, Awards in Teaching Excellence were given to Faculty Members of the Institute, namely, Dr. Abdul Gafoor Shaik, Associate Professor, Department of Electrical Engineering, Dr. Kaushalkumar A. Desai, Associate Professor, Department of Mechanical Engineering, Dr. Rajlaxmi Chouhan, Assistant Professor, Department of Electrical Engineering, Dr. Aashish Mathur, Assistant Professor, Department of Electrical Engineering.

Campus Development

The campus design of IIT Jodhpur visualizes all zones as part of an interdependent, integral network, like the metabolism of a living organism, integrating social, economic and environmental sustainability to become a near-zero emission campus. Unlike a campus where buildings are spread out, increasing infrastructure and water consumption and creating heat islands, this campus uses a series of compact urban clusters typical of desert settlements. The campus is designed to be a flexible plug and play system by using a series of service tunnels, trenches and serviceable shafts that allow easy maintenance and upgrading of all wired and piped services without breaking open a wall, slab or road. For its copybook-style Master Plan, the Master Plan of IIT Jodhpur's Permanent Campus has been awarded *5 Star Rating* by the *Green Rating for Integrated Habitat Assessment*

(GRIHA) Council of the Ministry of Urban Development, Government of India under GRIHA LD V1 category.

The work of *Phase 2 Development* of the *Campus* is happening and is slated to be completed very soon. It is a matter of happiness to share that delegates from 25 countries visited IIT Jodhpur for its unique feature of "Building Disaster Resilient Infrastructure to Ensure Sustainability" - as an outbound module of the training program for Foreign Government Officials on 'Project Management for Public Works' on 17th September 2019.

Strategic Plan for the Institute

The 21st century has been witnessing a disruptive change in the technological paradigm with an ever-increasing pace. It has been said that 40% of present school children will take up jobs, which do not exist today. To catch up with the rapidly changing landscape of technology and to assess new needs, the Institute has created a strategic planning group to work on foresights of the Institute. The Institute has planned to increase student strength to 5000 by the year 2024. It has been working to create necessary infrastructure facilities to accommodate additional students, faculty members, and staff members. It is also in the process of creating avenues to facilitate and attract CSR funds from industries. Efforts are being made to formally engage with friends and well-wishers of IIT Jodhpur. Marudhara Foundation, a Section 8 company, has been initiated with the sole aim to encourage, promote and facilitate education and research and other activities of the Indian Institute of Technology Jodhpur. The other main objective of this company is to encourage dialogue with Industries for research and consultancy projects.

In the time ahead, we believe that the Institute will emerge as a catalyst and a preferred venue for Innovations, Teaching and Learning, and Practicing and developing Technologies for solving the problems of our country.

In Closing…

This *Fifth Convocation* of IIT Jodhpur is a special occasion for the Institute, and a defining moment of the lives of **224** Students, who will be facing the real world from this afternoon. On behalf of the Institute and on my personal behalf, I heartily *congratulate* the *Parents* of the *Students* receiving the degrees today. With this, the total number of students who graduated from this Institute stands at **1,332**.

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

Ladies and Gentlemen, thank you for your time and attention.

Jai Hind !!

…

Dr. R. Chidambaram

Chairman, Board of Governors, IIT Jodhpur

Honourable Chief Guest Prof. S. C. Dutta Roy, distinguished members of the Board of Governors, Professor Santanu Chaudhury, Director of IIT Jodhpur, members of the Senate, faculty and staff of IIT Jodhpur, invitees, guests, parents, and my dear young friends who are graduating today:

On behalf of the Board of Governors, it gives me immense pleasure to extend a very cordial and special welcome to our chief guest of this function Prof. Dutta Roy, who has headed the Department of Electrical Engineering in IIT Delhi, and who, apart from his other achievements including the Bhatnagar Award, is a Fellow of all the three Science Academies in India, which I must say is unusual for an engineer.

The booklet on IIT Jodhpur talks about the present vibrancy in the campus and its commitment to educational excellence. Under the guidance of your Director Prof. Santanu Chaudhury, IIT Jodhpur has made commendable, and successful, efforts to attract new faculty members in various disciplines. It has also been able to bring in many highly qualified academics as visiting faculty.

I am particularly happy that several inter-disciplinary Ph.D. programmes have been started in space science and technology, smart healthcare, digital humanities, and so on. Most advanced technologies today, I may add, are inter-disciplinary.

Jodhpur has been identified as one of the six cities for initiating city-based innovation clusters by the PSA's Office, with the objective of increasing cooperation amongst proximate national laboratories and universities, and also of enhancing academia-industry interactions. IIT Jodhpur will be the coordinator for this cluster. I am very happy that joint degree programmes have been initiated with AIIMS, Jodhpur, in Medical Technology.

The Board of Governors have approved, in principle, the creation of a School of Management and Entrepreneurship here– after all, Rajasthan is famous for its entrepreneurs.

BoG has also approved in principle a Centre for Foresight and Technology Policy, and a Centre for Emerging Technologies for Sustainable Development. The United Nations, as many of you know, has defined in 2015 seventeen sustainable development goals – no poverty, no hunger, affordable health care, and so on.

In the World Science Advisers' Meeting in New Zealand in 2014, we discussed the distinction between Policy for Science and Science for Policy. Technology Foresight, which is related to the former, has been variously defined: e.g. as "a prediction methodology for determining the most likely technological developments in the mid-term future". In my opinion, shared by many others, this is Technology Forecasting; Technology Foresight goes beyond that and is required to select the Critical Technologies needed for rapid development of the country, and to become a knowledge economy, by adding to Technology Forecasting assessments based on economic, social, environmental, security and (perhaps, as in the case of human cloning) ethical points of view, from a national perspective. And these technologies must be re-assessed periodically, based on the latest scientific developments.

On this basis, the Critical Technologies for India today, I think, are strategic technologies— nuclear, space, defence; technologies related to energy security, health and water security, environmental security; agriculture and food security; stem cell technology; low carbon energy technologies, taking into account the threat of climate change/global warming; advanced manufacturing; biotechnology; nanotechnoloy; cyber security; robotics; artificial Intelligence;

technologies for MSMEs and for sustainable rural development; etc. IIT Jodhpur is capable of contributing to all of these in one way or another.

We are a Technology Institute. I paraphrased a long time back the futurologist Alvin Toffler's famous statement "Yesterday violence was power, today wealth is power and tomorrow knowledge will be power" to say that "Today, more than at any time in history, 'Technology is Power' and this will continue to be so in the foreseeable future". I said this because all the sources of power Toffler mentions have their foundations in technology. Technology domination is, therefore, sought by companies and countries in fields as diverse as human genomics and nuclear weapons through the mechanisms of Intellectual Property Rights and Technology Control Regimes. And we should counter this through Technology Foresight.

After the degrees you get today, you will start a new chapter in your careers, in industries, or acquiring additional academic qualifications, or pursuing research. Some of you may start your own enterprises. I wish you all the best in your future careers.

I am sure you are all waiting eagerly to hear the address of Prof. Dutta Roy. Prof. Dutta Roy please …

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What Next?

S. C. Dutta Roy
Formerly, Professor of Electrical Engineering,
Indian Institute of Technology, Delhi
E-mail: s.c.dutta.roy@gmail.com

Respected Dr. Rajagopala Chidambaram, Chairman, Board of Governors, Professor Santanu Choudhury, Director of IIT Jodhpur, Other distinguished personalities on the dias and off the dias, my faculty colleagues, dear students, Ladies and Gentlemen:

Good morning and a warm welcome to this Convocation, which marks the culmination of a long period of study and hard work on the part of the graduating students, who need your blessings and good wishes, Ladies and Gentlemen, for surviving and succeeding in the life that is ahead of them. I, of course, bless them from my heart, and wish them success in life, in whatever they do and plan to do, and bring laurels to the Institute, to the country, and to the Society, in general.

I consider this as a great honour and privilege bestowed on me, by inviting me to deliver the Convocation Address. Thank you, Professor Choudhury, for your kind invitation. I feel specially privileged to have been able to share the same dias with the renowned atomic scientist, Dr. Chidambaram, for whom I have great admiration and regards.

I have titled this speech as the *'What next?'*, because I realise that this is what you, the graduating students are asking yourself. Here, in this talk, I plan to tell you the avenues open to you, and their advantages and disadvantages. My comments are entirely personal and are based on my long experience in graduating thousands of students, and observing their career patterns.

You, graduating students, of course realize that so far, you have been under the protective cover of your parents, your teachers, your Seniors, and many others who have concern about you and your future. Today onwards, you shall be on your own, and you have to take a decision as to which road to follow. You of course realise that your future is not full of roses, and even if there are roses, roses have thorns too. You have to be careful.

First, I have observed that a majority of graduating students would prefer to take up a job in IT or some other industry or some public or private sector organisation, to earn money, repay your debts, if you have incurred any, and help your family and others who supported you so far, financially, or otherwise. Once these obligations are over, you would buy a car, build or purchase a house, marry, become a full fledged family man, and live happily thereafter. With my long experience in life, I feel that living such a life is dull, monotonous and routine. If you work without enjoying what you are doing, then you live just for living. You must do something which gives you satisfaction, and enables you to fulfill your obligations to the Society, to the Country, and to humanity, in general.

What are the alternatives? If you have any ambition for higher studies, then do so in one go. Do not deviate and think of taking up a job, earn some money, and then hope for coming back to academics. Most of my own graduates, who did this, perhaps by compulsion, found it rather difficult to return, because after a few years, the easy life, marriage and other obligations refrain you from doing so. If you can get a scholarship, for higher studies, you can easily survive comfortably, and also help others. If you divert to a job, then by the time you decide to come back, you would forget most of what you learnt, and by the time you complete your resumed higher studies and offer yourself to the job market, your contemporaries, who did not follow your route, will be your Seniors, perhaps bosses, and you would start life with an inferiority complex, and the resulting unhappiness.

What kind of higher studies? Do not get into the band wagon. Everybody nowadays wishes to take up computer related studies, or commerce and accountancy, to grab a high salaried job after

graduation. But, is money everything in life? I am of the opinion that it is not so, there is something called enjoyment, and the resulting happiness. After all, how much scope is there for innovation in such jobs? In an IT job, for example, you would only do coding and decoding for the project you are assigned, day in and day out, with the sword of a deadline upon your head. Is this life? In my opinion, no. I would rather advise that you take up a subject which is close to your heart, be it a classical one, or otherwise, not favoured by most of your friends. Whenever you are at crossroads, ask your conscience, and follow the advice given by it. Your conscience never gives you wrong advice.

What kind of Institution should you aim to get in? My advice to you would be to try for an IIT, established or otherwise, or an NIT, or an established and reputed University, like Calcutta, Delhi, Pune, Madras or Allahabad. Your first choice should be an IIT. Why? Because IITs offer you an environment of true learning, with the best facilities, almost infinite freedom and flexibilities, and faculty, who are eager to share with you what they know. Also, all said and done, IIT stamp is respected althroughout the world, not to speak of India.

In the name of higher studies, many of the bright graduates go abroad, and are virtually lost to their families, to the country, and to the world of research. Invariably, they are first admitted to the Masters' program, and, by the time they graduate, are lured by industry at other agencies, with high salaries. Most of them think that they would come back to Doctoral Studies after a few years, but alas, the smooth life with high salaries one enjoys abroad, this never happens. The availability of easy loans for buying a car and a house and the easiness with which they can jump to higher salaried jobs, never allow them to return. While going away from the country, they promise to their parents and mentors that they would come back and serve the country. But that invariably does not happen, unless the job market there falls down drastically, particularly for the foreigners. Even if one does the Doctorate degree, he or she then takes up a teaching job in a University, and rises steadily up the ladder. Once again, this is a path of no return. You fail to realise that you have a duty to serve your motherland. Some of you blame the poor salaries and facilities in India, but then who

has the responsibility to improve the conditions in the country? The Government? No, it is you who should come back and try to change the situation. So, my advice is, don't go abroad in the name of higher studies, and settle there. Instead, study here itself, and take up a job in the country. There would be ample opportunities for going abroad, and see the world.

It is true that when you try to change something, there will be resistance, but if one sticks to his goal, which will be good for the organisation and the country, ultimately one succeeds.

Amongst all jobs available after higher studies at an IIT, teaching and research, in my opinion. Is the best profession. There are many advantages, e.g. you learn throughout your life, you can mould young minds, you never feel old because of interaction with young people, and you can enjoy three months of paid leave, which no other profession offers, and of course the facilities and the healthy environment.

To remain creative, and be able to utilise what you have learnt, should be your motto in life. One of the important things is not to tread the much trodden path, but find your own new path. True, there will be difficulties, but what is life without challenges? You must try to overcome them, and when you do, the joy that you get cannot be compared to anything else in life. Be creative, be innovative.

Also, try to excel in whatever you do, and come upto the top. It is said that there is always room at the top.

Another important thing is to a live a life of honour and dignity, and not to bow down to any forces, however powerful those may be, be it your boss or the Head of the Institution or the CMD of an Industry. Remember J. C. Bose? He refused the salary as a Professor of Physics at the Presidency College, Calcutta, because British Professors were paid double of what Indian Professors got. However, he continued teaching and path breaking research, the latter being carried out in a small lavatory converted to a laboratory, without salary for several years. He suffered, but did not bow

down. Ultimately, he won his battle, and got all his arrears. Take the case of C. V. Raman. When Sir Ashutosh Mukherjee, the Vice Chancellor of the Calcutta University offered him the most prestigious Chair of the University, namely, the Palit Professorship, even though he did not have a Ph. D. Degree, Raman gladly agreed to accept, which meant a substantial loss of remuneration, because research was his wholetime passion. But, then, there was a clause in the offer, instituted by the British Members of the University Senate, that he would have to undergo a few months training in UK. This was insulting to Raman, and he did not hesitate to decline the offer. Sir Ashutosh fought at the next Senate Meeting to remove this clause, and finally succeeded. After that, Raman accepted, and created a world famous School of Physics at the University, turning out many talented and world renowned Physicists for the Country.

Finally, Ladies and Gentlemen: I wish to talk about two things, which are applicable to all of you.

First, love everyone you interact with, your students, colleagues and all others. Give love generously, even to your enemies. Love is the strongest weapon God has given to the mankind. Love can win friends, even enemies. When the person you consider as enemy feels that you mean no harm, he or she also softens down, and returns your love.

Second, smile and keep smiling, even when you are sad. Smile does not cost anything. If you see a sad face, try everything to make the person smile. When he or she smiles, it makes your day, and his or her day too.

Thanks once again to the Director for giving me this opportunity to share a few important things with this august audience, and thank you, Ladies and Gentlemen, for your patience.

Jai Hind!

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List of Medal Winners

Medal Winners of 2019 Programs

BACHELOR OF TECHNOLOGY

President's Gold Medal

for the graduating student with **Best Academic Performance** among students of **ALL B.Tech.** Programs of the class of **2019** goes to

Divyansh Aggarwal

Chairman, Board of Governors, Gold Medal

for the graduating student with **Best All-Round Performance** among students of **ALL B.Tech.** Programs of the class of **2019** goes to

Vishesh Mistry

Silver Medal

for the graduating student with **Best Academic Performance** in the graduating class of 2019 of the **B.Tech. (Computer Science and Engineering)** Program goes to

Divyansh Aggarwal

Silver Medal

for the graduating student with **Best Academic Performance** in the graduating class of 2019 of the **B.Tech. (Electrical Engineering)** Program goes to

Shreyas Malakarjun Patil

Silver Medal

for the graduating student with **Best Academic Performance** in the graduating class of 2019 of the **B.Tech. (Mechanical Engineering)** Program goes to

Ayush Upadhyay

MASTER OF TECHNOLOGY

Jagadish Chandra Bose Gold Medal

for the graduating student with **Best Academic Performance** among students of **ALL M.Tech.** Programs of the class of 2019 goes to

Swetha, S.

Perfect Ten Gold Medal

for the graduating student scoring a CGPA of 10 in the graduating class of 2019 of the **M.Tech. (Bioscience and Bioengineering)** Program goes to

Swetha, S.

MASTER OF SCIENCE

Perfect Ten Gold Medal

for the graduating student scoring a CGPA of 10 in the graduating class of2019 of the **M.Sc. (Physics)** Program goes to

Shubham Tyagi

Silver Medal

for the graduating student with Best Academic Performance in the graduating class of2019 of the **M.Sc. Chemistry)** Program goes to

Pooja Sharma

Silver Medal

for the graduating student with Best Academic Performance in the graduating class of2019 of the **M.Sc. (Mathematics)** Program goes to

Pintu Kumar

Silver Medal

for the graduating student with Best Academic Performance in the graduating class of2019 of the **M.Sc. (Physics)** Program goes to

Shubham Tyagi

Doctor of Philosophy

C. V. Raman Gold Medal

for the graduating student with **Best Thesis Work** among students of **ALL Ph.D.** Programs of the class of 2019 goes to

Om Prakash Mahela

List of Graduates

Recipients of Degrees

BACHELOR OF TECHNOLOGY

Computer Science & Engineering – Class of 2019

Abhishek Sah
Aditya Agrawal
Akash Gupta
Akshay Agrawal
Amitansh Gangwar
Amol Thakur
Anant Kumar Singh
Ankit Kumar
Anmol Chhabra
Aryaman Singh
Ashish Mittal
Ashish Yadav
Bagannagari Vinay Kumar Reddy
Bhuma Ayyappa Sumanth
Deewan Singh
Divyansh Aggarwal
Harsh Akshit
Harshit Singh
Indra Kumar Malav
Joukani Vinit Pradeep
Kansagara Bhargav Dineshbhai
Kishan Sharma
Kongi Arun Srivardhan
Marali Jagadeesh
Praveen Kumar T
Rajat Babel
Rajat Mangla
Rajesh Meena
Rashi Sahu
Rashmi Sahu
Rishabh Arun Kanabar
Shubham Kumar
Shukla Anugrah Harish Kumar
Singamsetty Sandeep
Swapnil Ganesh Athawale
Vinayak Singla
Vishesh Mistry
Anurag
Pradeep Choudhary
Edula Hari Hara Reddy
Komanduri Sai Raghava

BACHELOR OF TECHNOLOGY

Electrical Engineering – Class of 2019

Akshat Agrawal
Amitesh Kumar Jigyasu
Ashish Gambhir
B. Visveswaraiah
Bhanwar Singh Choudhary
Braj Raj Nagar
Chirayu Parashar
Dheeraj Dhariwal
Divyanshu Agarwal
Gadde Harshavardhan
Gyandeep Singh
Inderpreet Singh Chhabra
Jeet Shah
Krunal Sanjay Chirmade
Kuldeep Verma
Lalit Kumar Bamanawat
Milind Singhal
Nikhil Negi
Nilesh Kumar Tiwari
Pranab Kumar
Rahul Meena
Ramnarayan Choudhary
Riya Chaudhary
Sameer Jalutharia
Sarthak Desai
Saurabh Jangir
Shitendra Kumar Tyagi
Shreyas Malakarjun Patil
Shubham Bhargava
Somender Singh
Sonu Kumar
Vadde Keerthi Aishwarya
Vaibhav Sharma
Guntuku Deepak
Kaviti Sarath Kalyan
Ritu Singh
Thara Giriraj Prasad
K. V. Vikas Reddy

BACHELOR OF TECHNOLOGY

Mechanical Engineering – Class of 2019

Aarush Gupta
Abhinay Kumar
Aditya Raj Malviya
Akash Gupta
Alukapally Gnanadeep
Aniket Janrao
Ankit Jangir
Ankit Mangal
Ashutosh Pathak
Ayush Upadhyay
Chandrapratap Singh Raghuvanshi
Desai Dhagash
Divyanshu Goyal
Gandi Rajesh
Gaurav Meena
Gourav Jeengar
Karthik Mohan
Keshetty Sai Surya
Krishna Goyal
Meka Lalit Sai Chandra Reddy
Mukul Bansal
Nakka Sanket Gangadhar
Neelansh Kamboj
Nitish Kumar
Perisetla Srinivasa Deepak
Quadri Syed Mujtaba Syed Maqsood
Ramesh Kumar
Ritwik Kulkarni
Saurabh Yadav
Sharan Saarsar
Somesh Sharma
Sunil Kumar Sakhnia
Vineet Singh Chauhan
Vivek Kumar Singh
Katakam Harsha Sai Manohar
Shubham Kaushal
Balveer Danga

BACHELOR OF TECHNOLOGY

System Science – Class of 2019

Raj Prajapat
Vaibhav Baban Ganer
Jayant Carpenter
Prasoon
Ravi Kumar

MASTER OF SCIENCE

Chemistry – Class of 2019

Aayush Batar

Akanksha Kumari

Arpan Tiwari

Bhawna Mishra

Bibhas Das

Divya Kumar

Gaurav Garg

Hamid Palamadathil Kannattil

Mahesh Kumar

Parveen Gartan

Pooja Sharma

Pooja Singh

Purva

Savi Chaudhary

MASTER OF SCIENCE

Mathematics – Class of 2019

Ankit Jangir
Babel Sejal Mahavir
Gaurav Kumar
Gulshan Sihag
Himanshu
Kapil Dev Gond
Kuntal Mudi
Lokesh Prajapat
Namita Jain
Pintu Kumar
Pramod Kumar Swain
Sona
Sonu Kumar
Sumit Kumar
Vivek Kumar Sahu
Neeraj
Shresth Kumar

MASTER OF SCIENCE

Physics – Class of 2019

Aman Baunthiyal
Arindam Mandal
Devandar Chauhan
Dusmant Kumar Naik
Ekta Panwar
Hari Om
Jayesh Goswami
Lwithwsa Swargiary
Nilesh Kumar
Rakesh Rosan Pradhan
Ravikant
Rupender
Shubham Tyagi
Vijay

MASTER OF TECHNOLOGY

Bioscience and Bioengineering – Class of 2019

Amiyangshu De
Animesh Kumar Singh
Namrata Pant
Naveen Sundaria
S. Arvind
Swetha S
Umama Shahid
Varsha Srinivasan

MASTER OF TECHNOLOGY

Electrical Engineering – Class of 2019

Jitendra Kumar Goyal
Naresh Jingar

MASTER OF TECHNOLOGY

Mechanical Engineering – Class of 2019

Aayush Dhimole
Akshay Goel
Avinash Kumar
Chanchal Kumar
Deepak Dandotiya
Dheeraj Maheshwari
Dhrumil Hemantkumar Soni
Joykumar Bakulbhai Kanabar
Manvendra Kumar
Mayank Arvindbhai Chauhan
Rohit Kurmi
Sandeep Singh
Sanjay Kumar
Satyavrat Pandey
Shobhit Gupta
Shubham Vaishnav
Vijay Kumar Sharma
Vikash Chandra
Yogesh Sharma
Yudhisther Surolia

DOCTOR OF PHILOSOPHY

Parmod Kumar Paul
Parvinder Singh
Om Prakash Mahela
Suresh Dahiya
Vibha Sahlot
Supriyo Dutta
Amrita Kaurwar
Rakesh Joshi
Manish Raghav
Goutam Kumar Gupta
Vibhuti Joshi
Arun Kumar Upadhyay
Vipin Joshi
Raj Kumar Satankar
Aditya Raw Gautam
Shilpa Pandey
Nidhi Sharma
Ankisha Vijay
Vishal Sharma
Bhuvnesh Rathore
Ayeman Amanullah
Anurag Sahu
Divya Sharma
Dharmesh Kumar
Giriraj Vyas
Sana Maidullah
Gurveer Singh
Ribhav Mishra

Oath

I pledge that I shall be scrupulously honest, with every thought, word and deed, and in the discharge of my duties. I shall honour always the knowledge, wisdom and values inculcated in me by this Institute.

I pledge to devote my knowledge and skills only towards the wellbeing of the citizens of the country and of humanity at large. I shall uphold always the dignity and integrity of my profession, Institute and Nation.

5th Convocation Committee

Chairman, Convocation Committee — **Director, IIT Jodhpur**

MEMBERS

1. Academics		
Subcommittee Co- Chairpersons:		
Associate Dean (Academics – UG Programs) and Associate Dean (Academics - PG Programs)		
1.1	Degree Certificates Verification and Printing, Script of Proceedings of Convocation	Assistant Registrar (Academics)
1.2	Capes and Pagdees Procurement, Registration and Distribution of Material	Superintendent (Academics)
1.3	Urgent Printing and Xeroxing	In-charge (Lecture Hall Building)
1.4	Guiding the Academic Procession	Faculty-In-charge (Time-Table Committee)
1.5	Planning of Seating Arrangement for Graduands and Parents	Faculty-In-charge (Grades and Registration)
1.6	Rehearsal	Chairman (JEE) and Co-Chair (JEE)
1.7	Invocation	Deputy Librarian
2. Convocation Materials		
Subcommittee Chairperson: Chairman (Institute Publications Committee) , Co-Chair: Deputy Librarian		
2.1	Compilation and preparation of Convocation Booklet	Institute Publications Committee
2.2	Design and printing of Invitation Card	Office of Library
2.3	Design and printing of Banners, Posters and Standees	Faculty Advisor (S&T Society, Students Gymkhana)
3. Graduands		
Subcommittee Chairperson:		
Associate Dean (Students) and Co-Chair: Chairman (Student Hostel Wardens Committee)		
3.1	Accommodation for Graduands and Parents	Student Hostel Wardens Committee
3.2	Booking of guest houses of other nearby institutions	Deputy Registrar
3.3	Ushering Graduands at the Venue	Chairperson (Counselling Services)
3.4	Medals (with Certificates) and Seating Arrangement for Medal Winners	Chairperson (Student Scholarships and Prizes Committee)
3.5	Lunch Arrangement	Dining Service Committee
3.6	Arrangement for No Dues	Superintendent (Students)

4. Invitations		
4.1	Chief Guest, Faculty Members and Staff Members	Office of Director
4.2	Members of BoG and Senate, Finance Committee and Buildings & Works Committee, Adjunct Faculty, and Advisors	Officiating Registrar
4.3	Parents of Graduands and Students	Associate Dean (Students)
4.4	Dignitaries from Jodhpur and outside Jodhpur	Deputy Registrar
5. Accommodation and Hosting of Dignitaries		
5.1	Members of BoG, Finance Committee, Buildings & Works Committee and Senate	Dean (R &D) Association Dean (International Relations & Outreach),
5.2	Arrival & Departure and hosting of Chief Guest and Chairman (BoG)	Chairman (PG Admissions Committee)
5.3	Other Dignitaries from outside Jodhpur	Deputy Registrar
6. Welcome of Dignitaries and Guests		
Subcommittee Chairperson: Hardik Kothadia and Co-Chair: Shobhana Singh		
6.1	Amandeep Kaur Amit Bhardwaj Amrita Puri Anand Mishra Ankur Gupta Anoop Jain Arun Kumar R Debarati Bhunia Chakraborty Durga Madhab Mishra Jaiveer Singh Moumita Mandal Nil Kamal Hazra	Pankaj Yadav Prabhat Jaiswal Rajendra Nagar Ravi, K. R. Reetanjali Moharana Rohan D. Erande Shahab Ahmad Subrata Chakraborty Sudipta Bhattacharyya Vandana Sharma Yashaswi Verma
7. Infrastructure / Venue		
Subcommittee Chairperson: Associate Dean (Infrastructure)		
7.1	Stage decoration and arrangement	Assistant Executive Engineer (Civil), Assistant Engineer (Electrical)
7.2	Backup Power and Fire Fighting	Assistant Engineer (Electrical)
7.3	Water Supply and Beautification of Campus	Assistant Executive Engineer (Civil)

8. Logistics and Security		
Subcommittee Chairperson: Faculty In-charge (Logistics and Security)		
8.1	Arrangement of Buses and Transport for Dignitaries	Faculty In-charge (Logistics)
8.2	Arrangement of Parking and Signages; Housekeeping	
8.3	Arrangement for Security & Fire Brigade	
9. Press and Publicity: Public Relations Officer		
10. Alumni Dinner on the Eve of Convocation: Chairperson (Alumni Relations Committee)		
11. Convocation Projection		
Subcommittee Chairman: Head (Computer Centre)		
11.1	Audio-Visual Arrangements, Photography, Videography & Webcasting	Office of Computer Centre
11.3	Website	Webmaster Office of Computer Centre
12. Emergency		
12.1	Medical & Ambulance Services	Chairperson (Medical Services Committee)
12.2	Safety of the Venue	Chairman (Safety Committee)
12.3	Day-to-day Review	Professor In-charge (Faculty), Professor In-charge (Stores & Purchase) and Advisor (Academics)

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