



Prajwalam

The Newsletter

Indian Institute of Technology Ropar

Vol.8, Issue 2 | June 2019



VISVESWARAYA BLOCK (Administration Building)

DIRECTOR'S MESSAGE



Dear Friends,

Summer has set in and we have completed yet another successful and exciting academics session. The major achievement of 2018-19 academic year has been the movement to our new campus. Currently nearly 900

of our 1550 students and 4 academic departments are operating from the new campus. The campus has also seen an increase in number of events such as International conferences, BAJA 2019 and MedTech Workshop organised by the department of Biomedical Engineering. We have also started S. S. Bhatnagar series of lectures by eminent academicians and researchers under which personalities like Prof. V. Ramgopal Rao, Director IIT Delhi, Prof. Nikolai Petrovsky, Flinders University, Prof. Soumitro Banerjee, Dean IISER Kolkata delivered lectures. All these activities are adding flavour to our academic and research environment. IIT Ropar's research initiatives are also evidenced by the number of reputed International Institutions showing interest to collaborate with us. The top of the list must be a unique agreement between Water and Food initiative of Massachusetts Institute of Technology (MIT) and IIT Ropar signed during April 2019. We have also signed MoU with Canberra University during the visit of the Vice- Chancellor of the University to IIT Ropar. We have also organised the 2nd Research Day in which eminent academicians and research scholars from across the country participated. The research work of IIT Ropar was showcased during the event. Our faculty and students received a number of awards and recognitions in various conferences and seminars. IIT Ropar campus has become a vibrant with Technical fest ADVITIYA and Sports Fest AAROHAN taking place. We had classical music program organised by SPIC MACAY and celebration of International Mother Language Day. The students of IIT Ropar have also not forgotten their social responsibilities to come forward for blood donation and register in the organisation PEHCHAAN – EK SAFAR as an NGO to undertake the education cause of the under privileged children in the neighbouring locality. IIT Ropar is committed towards providing sound health, mind and gender equality. We organised Dr. Rajyashree Khushu Lahiri Memorial Lecture delivered by the renowned author Mr. Kiran Nagarkar. At the same time we celebrated International Yoga Day and International Women's Day. In short IIT Ropar has been growing not only in size but also in stature and vibrance of its stakeholders to achieve new heights to dedicate itself to the cause of nation.

JAI HIND

Prof. Sarit K. Das

“ADVENTURE RELOADED” during 'BAJA 2019'



IIT Ropar ground witnessed the much-awaited leg 2 of the 12th edition of BAJA SAEINDIA 2019 from March 7-11, 2019. Total 363 teams had registered in the 12th year of BAJA SAEINDIA series, out of which 251 (120- BAJA and 50 BAJA for Pithampur and 81 for IIT Ropar) teams qualified for the finale. However, only 46 teams made it to the Endurance round. This year was remarkable with 4250 students from different parts of the country celebrating the BAJA SAEINDIA 2019 theme 'Adventure Reloaded'.

Sandip Institute of Engineering and Management College, from Nashik, Maharashtra was announced the winner of the Leg 2 of the 12th edition of the BAJA series in India and it took away a cash prize of Rs. 2,50,000 while Rashtreya Vidyalaya College of Engineering from Bengaluru was declared as the first runners-up, and received Rs 1,25,000 a cash prize.

Various other awards to the teams for static events were also presented. Dr Jayaraman from Dr. Mahalingam College of Engineering and Technology, Tamil Nadu got the unique Dronacharaya Award.

The Pride of Punjab (Punjab & Chandigarh) Award was grabbed by Sant Longowal Institute of Engineering and Technology, Sangrur, Punjab.

All girls team from Shri Vishnu College of Engineering, AP won Cost Evaluation award for the lowest cost of making Baja Baghi @ Rs 2.82 lakhs.

The four-day event started with basic Static Evaluation round which comprised of design evaluation, cost evaluation and marketing presentation. In the final round, the teams showcased their prototype of a rugged single seat, off-road recreational four-wheel vehicle and were evaluated on various parameters, including engineering design, CAE, cost and technology innovation.



INDIA-CANADA JOINT WORKING GROUP MEETING

IIT Ropar joined India-Canada Joint Working Group on Higher Education Roundtable Meeting held in Canada. Prof. S. K. Das, Director, IIT Ropar was the part of delegation. The delegation continues with round-table meeting with stakeholders giving insights for building stronger India-Canada Higher Education Partnerships.

INTERNATIONAL TIES

MOU WITH UNIVERSITY OF CANBERRA, AUSTRALIA



IIT Ropar signed an MoU with University of Canberra to develop opportunities for bilateral student mobility between both institutions for undergraduate and postgraduate students and also to develop opportunities for academic and research staff exchange. The collaboration also aims in the delivery of a UC-IITRPR Joint Master program and to establish a joint PhD program.

INKS AGREEMENT WITH MIT, USA



IIT Ropar inked an agreement with the Abdul Latif Jameel Water and Food Systems Lab (J-WAFS) at the Massachusetts Institute of Technology (MIT) to establish the MIT-IIT Ropar Research Collaboration. The agreement is to promote exchange between faculty and students at MIT and at IIT Ropar.

The agreement will also support seed fund grants for early stage collaborative research projects topics primarily related to water, food, and agriculture.

MOU WITH KALAM INSTITUTE OF HEALTH TECHNOLOGY, DEPARTMENT OF BIOTECHNOLOGY, GOVT. OF INDIA



During a two day MedTech Startup Workshop, IIT Ropar signed an MoU with Kalam Institute of Health Technology, Department of Biotechnology, Govt. of India Project to enable smooth technology transfer of innovations to the industry enabled by the e-auction platform of Kalam Institute.

AWARDS AND RECOGNITIONS



Dr. Rajendra Srivastava, Associate Professor, Department of Chemistry and Dr. Mukesh Kumar, Assistant Professor, Department of Physics were felicitated with

Dr. Rajendra Srivastava
Associate Professor,
Chemistry

Dr. Mukesh Kumar
Assistant Professor,
Physics

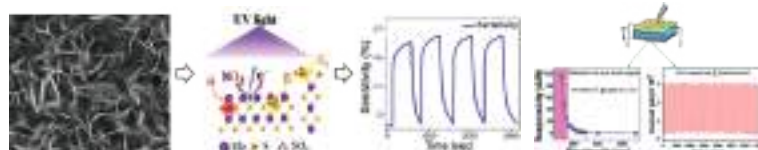
Faculty Research and Innovation Award 2018-19 during the Second Edition of Research Conclave held in the institute.

KNOW YOUR FACULTY



Dr. Mukesh Kumar
(Department of Physics)

Dr. Mukesh Kumar is an Assistant Professor in the Department of Physics, Indian Institute of Technology Ropar, Punjab, India. He did his M.Tech. in Solid State Materials from Department of Physics, IIT Delhi. In 2010, he earned his Ph.D. in Physics from IIT Delhi for his research on numerous aspects of transparent conducting oxide nanostructures. He then worked as a postdoctoral fellow at South Dakota State University and National Renewable Energy Laboratory from 2010 to 2013 on nanoscale charge transport of organic solar cells and development of reliable and flexible thin films for next generation flexible optoelectronic devices. Before joining IIT Ropar, Dr. Kumar was working for Hysitron Inc., USA. Dr. Kumar established Functional and Renewable Energy Materials laboratory (www.fremgroup.in; www.iitrpr.ac.in/physics/mkumar) at IIT Ropar. The main objective of the research team is to work on renewable and clean energy materials for societal needs. His team is working on earth-abundant Cu-Zn-Sn-S material for next-generation cost-effective solar cells, development of hazardous gas sensors and broadband photodetectors. For clean environment they are working on sensors as it is an integral part of all modern devices. In their lab they are developing new 2-D nanomaterials for fast and selective sensor applications. Recently, they have developed cost-effective and zero-powered solar-blind photodetectors, effective only in the solar-blind region < 280 nm, that is an order of magnitude cheaper and better in performance than the current state-of-the-art solar-blind photodetectors available in the market. This type of photodetector has application for missile tracking and solar explorations. Recently Dr. Kumar has received Young Scientist Research Award from Department of Atomic Energy, Board of Research in Nuclear Sciences; Bhaskara Advanced Solar Energy Fellowship from Indo-US Science and Technology Forum (IUSSTF); Young Achievers Award from Bhabha Atomic Research Centre, Gov. of India; and Faculty Research and Innovation Award (early career category) 2019 from IIT Ropar. Recently, he was selected as a member of Indian National Young Academy of Science (INIAS) and The National Academy of Sciences, India (NASI). He was also the recipient of Research Foundation Fellowship to work as a visiting faculty, Binghamton University, SUNY, New York in 2017.



JOINS HANDS

IIT Ropar and 'Sarbat Da Bhala' Trust collaborated for the Welfare of Youth of Punjab. Sh. S.P.S Oberoi, Managing Trustee, Sarbat Da Bhala Charitable Trust and a renowned Philanthropist contributed funds to IIT Ropar towards the academic and social services. Every year cash awards will be given for excellence in Teaching, Best Thesis, and Student leadership for social service under this collaboration.



Remote controlled boat to monitor siltation in Punjab

www.research@iitropar.com

Quarterly To detect siltation in reservoirs, the built at Institute of Technology (IIT), Ropar, has developed a technology using the ultrasonic features of a water body.

Officials said the Institute has come up with a fleet of remote controlled boats equipped to carry out precise bathymetric surveys. The autonomous boats developed specifically to meet the requirement of reservoirs in Punjab and vicinity to detect with one-meter, advanced global navigation satellite systems and remote sensing technologies. The boat is equipped with the help of laser Doppler velocimetry of 2 km. For better maneuvering in the narrow parts of the water bodies, it is fitted with a trim and side camera.

Boats in the region are susceptible to siltation due to excessive soil erosion caused by steep slopes and heavy flood during rainfall season. Excessive siltation leads to reduction in the discharge of reservoirs and dams, reduction in natural waterways, siltation of river channels, and deterioration of quality of surface water. The facility designed by IIT Ropar is the first of its kind in Punjab. It was developed by IIT Ropar and IIT Kanpur. The technology has been successfully used and can



IIT Ropar team with the boat to map underwater features

measure depths up to 20 meters.

Chauhan and Thariel defined the facility enhances the efficiency of existing conventional surveying method. Conventionally, surveyors are mounted on small to medium size boats with surveyors on board.

Explaining the difference, Chauhan said the main disadvantage with conventional boats is that depth near banks of reservoirs and rivers, where water is shallow, cannot be measured. However, the range of depth measurement on operated boat varies from 300 meters to about 30 cm, which increases the precision with which capacity of a water body is determined. Thariel further said that

the draft – submerged depth of boat – and filling of boat – due to rainwater – and filling the capacity can lead to error in calculation of capacity of a reservoir. He said, "Our facility is capable of removing errors caused due to draft and filling. This enhances accuracy of the survey," shared Thariel. The facility is being used by the Punjab government for studying the siltation of Banga Nagar Dam. The team from IIT Ropar is collecting bathymetric observations to be used to determine the reservoir's live storage capacity. "This state-of-the-art facility can help the government authorities to manage the reservoirs of farmers efficiently," said Thariel.

IIT Ropar Professor awarded prestigious DBT Ramalingaswami Fellowship

JAGJIT SAINI
Newspaper, Feb 22

Dr. Rajesh Kumar, Assistant Professor, Centre for Biomedical Engineering, Indian Institute of Technology Ropar (IIT Ropar), has been awarded the Ramalingaswami Fellowship by the Department of Biotechnology (DBT), Ministry of Science and Technology, for a period of five years. This is one of the most prestigious fellowships awarded by DBT to research level positions.

The fellowship aims to attract highly skilled Indian researchers working overseas to return to their home country and work on their research in their home country. The fellowship aims to attract highly skilled Indian researchers working overseas to return to their home country and work on their research in their home country.

Dr. Kumar's research in Biomedical Photonics is one of the frontiers of science and technology in light to rapidly increasing importance of diagnosis, and a powerful engine for modern photonics. This is

also marked by the phenomenal growth of photonics-based technologies in the last decade applied to imaging and medicine.

"Biomedical Photonics Lab" at IIT Ropar deals the highly interdisciplinary research work in collaboration with local professionals (e.g., surgeons, pathologists) that combine the expertise of physics, clinical science and engineering to address the challenges of biology and medicine. The goal of Dr. Kumar's research is to develop novel photonics-based technologies and methods used, not them to understand the cause of disease as well as facilitate the early diagnosis, which can lead to an effective treatment of the disease.

Dr. Kumar added, "My research focuses on advanced microscopy imaging and spectroscopy techniques, which include laser, optics, and fiber-optics based approaches for diagnosis, and calls for interdisciplinary and multi-scale approaches."

Will offer affordable solution to stubble problem soon, says IIT Ropar head

REKHA SHARMA
Newspaper, Feb 22

The Indian Institute of Technology Ropar (IIT Ropar) is developing a technology to help farmers manage the stubble problem in Punjab. The technology is being developed by IIT Ropar and IIT Kanpur. The technology has been successfully used and can

measure depths up to 20 meters. Chauhan and Thariel defined the facility enhances the efficiency of existing conventional surveying method. Conventionally, surveyors are mounted on small to medium size boats with surveyors on board. Explaining the difference, Chauhan said the main disadvantage with conventional boats is that depth near banks of reservoirs and rivers, where water is shallow, cannot be measured. However, the range of depth measurement on operated boat varies from 300 meters to about 30 cm, which increases the precision with which capacity of a water body is determined. Thariel further said that the draft – submerged depth of boat – and filling of boat – due to rainwater – and filling the capacity can lead to error in calculation of capacity of a reservoir. He said, "Our facility is capable of removing errors caused due to draft and filling. This enhances accuracy of the survey," shared Thariel. The facility is being used by the Punjab government for studying the siltation of Banga Nagar Dam. The team from IIT Ropar is collecting bathymetric observations to be used to determine the reservoir's live storage capacity. "This state-of-the-art facility can help the government authorities to manage the reservoirs of farmers efficiently," said Thariel.

Sachin Sharma
Stubble problem



IIT Ropar team wins hackathon

Students of IIT Ropar Computer Science and Engineering department won First Prize at the Smart India Hackathon 2019 software edition, held last week at Nagpur. The team comprising Niharaj Rajput, Vivek Madan, Abhinav Pandey, Yash Chahar, Jyoti Kuma and Akansha Singh won cash prize of ₹ 50,000. The competition was based on the problem Statement consisted of two parts -

In part A, IIT Ropar team thought of statistical method to support in which newspaper, Facebook should place its ads for maximum reach at an efficient cost. In second part, they made a system for monitoring media for ministry of railways, to know what's going on in media circle about railways, and analyze that data to help railways in making decisions and policies effectively. Organized by MHRD, AICTE, Hand Persistent system, SIH is a non-stop 36-hour software product development competition to provide students a platform for identifying new and disruptive technology innovations to solve the challenges faced in our country. This year is the third edition of the event with more than 100 problems for which more than two lakh students from 6000+ institutions competed for the top prizes.

WORKSHOPS/LECTURES/SEMINARS

SOPHOMORE EDITION OF RESEARCH CONCLAVE



IIT Ropar organised 2nd Edition of Research Conclave with 6 students received Best Poster Award and Dr. Rajendra Srivastava (Chemistry Department) and Dr. Mukesh Kumar (Physics Department) being felicitated with Faculty Research and Innovation Award. The event showcased some of the cutting edge research being carried out by students, and research scholars across several diverse disciplines from energy, biomedical, ICT, civil, mechanical, chemical, and mathematical and physical sciences to the biological sciences.

Prof. Arun Grover, Ex. VC, Panjab University gave insight about the history of the University Education in India and Punjab and about the prestigious alumni of Panjab University before partition of Punjab and after partition. He gave detailed presentation on the beginning of the university culture

in India and Punjab and how prestigious Scientist like J.C.Bose, S.S.Bhatnagar, Meghnad Saha made breakthroughs in research. The session was very much appreciated by the researchers.

Prof. Munjal, IISc Bengaluru explained several aspects of researcher and to shape the face of a new growing India along with betterment of mankind. He urged the students to justify the investment the country has made in us by finding technological solutions to the country's most pressing problems.

Among those who awarded prize for best poster presentation are Sachin Sharma (Physics), Ashish Kumar (Chemistry), and Monika (CBME), Sonika (Mathematics), Akanksha Paul (Computer Science & Engineering), Malkeet Singh (Mechanical Engineering).



INDO-UK WORKSHOP FOR SUSTAINABLE FOOD SUPPLY CHAIN

IIT Ropar organized One-Day workshop on Sustainable Food Supply Chain with the support of University of Cambridge, UK and Punjab Agricultural University, Ludhiana that took place in Satish Dhawan Block of Permanent campus of IIT Ropar. **Sh. Vishwajeet Khanna, Additional Chief Secretary, Govt. of Punjab** was the Chief Guest. The workshop examined potential contributions of the organization, functioning and governance of food value chains to the sustainability of food systems, with a particular attention to environmental

issues, including resource use efficiency and biodiversity, economic and social issues. **Prof. Jagjit Singh Sarai**, Head Centre for International Manufacturing, University of Cambridge, discussed the technical requirements that enable tailored engineering solutions (e.g., novel sensor, packaging, and temperature and humidity control) through multi-disciplinary collaborative research efforts. **Prof. B.S. Dhillon, Vice-Chancellor, Punjab Agriculture University, Ludhiana** also shared his words during the deliberations.



THE MEDICAL TECH HACKATHON



IIT Ropar initiated a three day immersive MedTech Workshop for 7th-10th March 2019. The event was kicked off with the dignitaries, Prof.



Raj Bahadur, Vice Chancellor, BFUHS, Faridkot, Prof. R.K.Sinha, Director, CSIR-CSIO, Prof. Sarit. K. Das, Director, IIT Ropar. The hackathon was an initiative for mentoring start-ups in medical devices. From diagnosis to cure, Problems given to 9 teams comprising 29 students.

The teams were rigorously evaluated by team of doctors from PGIMER, DMC&H, Ludhiana, Parmar hospital of Ropar, Scientists from IIT Mandi and CSIR-CSIO. Three teams got cash award for the best solutions for the problems that were thrown to them. The Team that stood first worked on "Evaluating Depth of Anesthesia", in which they have given a novel idea of evaluation of anesthesia in a reliable way (reducing the cost), with accurate readings. They proposed a solution by using Auditory Evoked Potential by measuring response to periodic auditory signal. The team consisted of three members, S. Balamurugan from IIT Madras, Jonath S from Anna University and Navneet Kumar from IIT Ropar.



NATION'S FIRST RESEARCHER CONNECT WORKSHOP

IIT Ropar in association with British Council organized the first "Researcher Connect Workshop" in India from March 29-April 1, 2019. The Researcher Connect Workshop was implemented in partnership with the Career Development and Corporate Relations Centre (CDCRC), IIT Ropar towards addressing the development of excellent communication skills for international, multicultural contexts for researchers in India. The workshop at IIT Ropar was facilitated by Ms. Sandy Sparks from the University of Warwick and Dr. R. Poornima from British Council. The modules covered at IIT Ropar included knowing the audience, writing effective abstracts and emails, academic writing, and persuasive proposals over a period of four days.



IPR AWARENESS TALK CUM QUIZ CONTEST

Intellectual Property Rights (IPR) Cell of IIT Ropar conducted IPR Awareness Talk cum Quiz contest on March 29, 2019 to raise awareness about Intellectual Property Rights (IPR) among the students.

BHATNAGAR LECTURE SERIES

Prof. Partha Sarathi Mukherjee, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore, visited IIT Ropar and delivered lecture on “Molecular Vessels” during **1st lecture** of Shanti Swarup Bhatnagar Lecture series.

Prof. Ganpathi Naresh Patwari, Department of Chemistry, Indian Institute of Technology Bombay, visited IIT Ropar and delivered lecture on “A Tug-Of-War between Electrostatics and Dispersion in Molecular Aggregation” during **2nd lecture** of Shanti Swarup Bhatnagar Lecture series.

Prof. Amit Kumar, Department of Computer Science and Engineering, Indian Institute of Technology Delhi visited IIT Ropar and delivered lecture on “Online Algorithms For Packing And Covering Problems” during **3rd lecture** of Shanti Swarup Bhatnagar Lecture series.

Prof. Amit Agrawal, Department of Mechanical Engineering, Indian Institute of Technology Bombay, visited IIT Ropar and delivered lecture

on “Quest For Equations Beyond The Navier-Stokes” during **4th lecture** of Shanti Swarup Bhatnagar Lecture series.

Prof. V. Ramgopal Rao, Director, IIT Delhi visited IIT Ropar and delivered lecture on “Connecting Academic R&D with Product Innovation: A few case studies and a way forward” during **5th lecture** of Shanti Swarup Bhatnagar Lecture series.

Prof. Nikolai Petrovsky, Director of Endocrinology Department, Flinders Medical Centre, Flinders University, Australia visited IIT Ropar and delivered lecture on “Intelligent Vaccine Design” during **6th lecture** of Shanti Swarup Bhatnagar Lecture series.

Prof. Soumitro Banerjee, Department of Physical Sciences, Indian Institute of Science Education and Research, Kolkata visited IIT Ropar and delivered lecture on “Fractal Geometry In Nature And Engineering” during **7th lecture** of Shanti Swarup Bhatnagar Lecture series.

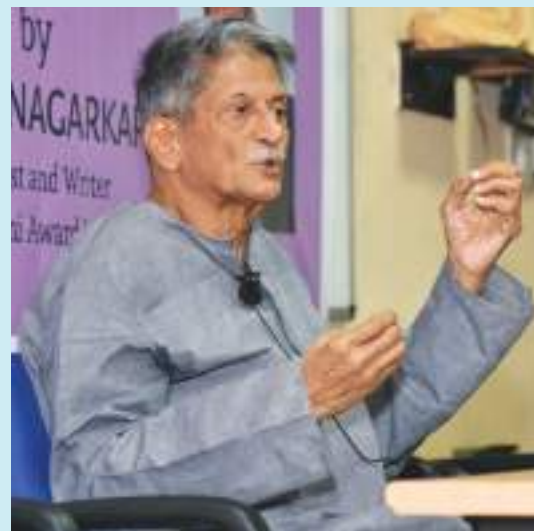


INVITED TALK

Department of Civil Engineering, IIT Ropar organized an invited talk by Sh. D. K. Sharma, Chairman, Bhakra Beas Management Board (BBMB), Chandigarh. The talk was on “Global Energy Scenario, Challenges and Technologies to Leadership”.

DR. RAJYASHREE KHUSHU-LAHIRI MEMORIAL LECTURE

The Third ‘Dr. Rajyashree Khushu-Lahiri Memorial Lecture’ was organised by the Department of Humanities and Social Sciences, IIT Ropar on April 11, 2019. The lecture was based on Shiv’s Blue Throat, a re-written mythology based on the responsibilities of a writer. The lecture delivered by renowned Sahitya Academy Award winner writer Mr. Kiran Nagarkar. Dr. Rajyashree Khushu-Lahiri was remembered on this day.



GIAN COURSES

Course coordinator:

Dr. Arvind Kumar Gupta

Faculty : Prof. Anatoly B. Kolomeisky, Rice University, USA

Topic: Motor Proteins and Molecular Motors

Date : February 4-8, 2019

Course coordinator:

Dr. Pushendra P. Singh

Faculty: Professor C. Rangacharyulu, University of Saskatchewan, Canada

Topic: Nuclear Radiations for Medicine,

Agriculture and National Security – A Multidisciplinary Approach

Date: March 05 - 10, 2019.



Prof. Anatoly B. Kolomeisky, Rice University, USA during the GIAN Course at IIT Ropar



Professor C. Rangacharyulu, University of Saskatchewan, Canada During GIAN Course at IIT Ropar

TECHNO-FEST - ADVITIYA '19

This year IIT Ropar organized third edition of IIT Ropar's technical fest Advitiya'19. The event witnessed plethora of technical as well as fun events ranging from hackathon to poker night (March 29, 2019) with prizes worth 8 lakh along with various workshops for tech enthusiasts on the topics like Machine Learning, AI, Android app development and much more. Around 100 colleges and 5000 students participated in this fest. The three-day Tech-Fest inaugurated by Retd. Major Gen. M.S.Virk, Motivational Speaker



and Leadership Development Program Expert and Mr. P. Srikumar, Ex. Director, ADE, Bangalore.



MEGA SPORTS FEST- AAROHAN '19

IIT Ropar successfully organized AAROHAN '19- Annual Sports Fest. This was the 4th edition of this three-day fiesta held in spring every year. Keeping in with the trend, this year Aarohan expanded its reach to 19 colleges throughout North India, with around 600 participants showcasing their talent in 16 events ranging from Athletics to Volleyball.

Mr Mukesh Kumar (National Champion in 25m Rapid Fire - Pistol and an accomplished marksman) was the Chief Guest and Mr Surjit Singh Sandhu (Distinguished Sports Administrator of Punjab) was the Guest of Honour.

The Sports Fest includes tournaments for different games like Cricket, Basketball, Volleyball, Badminton, Table-Tennis, Lawn-Tennis, etc. On the day of its completion, various Athletics events were held. IIT Ropar bagged first position in Discus Throw, Shot Put, Javelin Throw, Badminton Girls, and Tennis.



SPIC MACAY CHAPTER AT IIT ROPAR



Ms. Kavita Dwivedi



Ms. Sudha Raghuraman

IIT Ropar's Spic Macay Chapter organized Odissi Dance Performance by Ms. Kavita Dwivedi and also organized two-day workshop of Carnatic Vocal Music by Ms. Sudha Raghuraman.

INTERNATIONAL WOMEN'S DAY CELEBRATED

Indian Institute of Technology Rupnagar celebrated International Women's Day on the theme #BalanceForBetter. A strong call to motivate women, colleagues and whole community to think, act and be gender inclusive. The day was celebrated under flagship of the Prof. Adarsh Kohli, Professor, Department of Psychiatry, PGIMER, Chandigarh, who came as a Chief Guest on this occasion. Women's Sports meet was also organized the next day. Female students and staff of IIT Ropar participated.



हिंदी कार्यशाला

राजभाषा विभाग, गृह मंत्रालय, भारत के दिशानिर्देशों के अनुपालन एवं संस्थान में राजभाषा के विकास, प्रचार एवं प्रसार हेतु भारतीय प्रौद्योगिकी संस्थान रोपड़ में दिनांक 26.03.2019 को हिंदी प्रकोष्ठ द्वारा हिंदी कार्यशाला सह प्रतियोगिता का आयोजन किया गया। इस कार्यशाला में संस्थान के अधिकारी, कर्मचारी, संकाय तथा विद्यार्थी उपस्थित थे। कार्यशाला में राजभाषा हिंदी में कार्य करते हुए कर्मचारियों को आनेवाली कठिनाईयों को दूर करने हेतु एक सत्र का आयोजन किया गया था। दूसरे सत्र में हिंदी कविता गायन प्रतियोगिता का आयोजन किया गया, जिसमें परीक्षक के रूप में डॉ. परविंदर सिंह, सहायक प्राध्यापक, मानविकी एवं सामाजिक विज्ञान उपस्थित थे। डॉ. परविंदर सिंह, सहायक प्राध्यापक ने सभी उपस्थितों के समक्ष अपने विचार रखे। डॉ. गिरीश कठाणे, कनिष्ठ हिंदी अनुवादक ने परीक्षक महोदय एवं सभी उपस्थितों का धन्यवाद ज्ञापित किया।

मातृभाषा दिवस का आयोजन

भारतीय प्रौद्योगिकी संस्थान रोपड़ में दिनांक 21 फरवरी 2019 को हिंदी प्रकोष्ठ द्वारा मातृभाषा दिवस का आयोजन किया गया। मातृभाषा दिवस के अवसर पर मातृभाषा में गीत गायन /



कविता वाचन प्रतियोगिता का आयोजन किया गया। इस आयोजन में संस्थान के भिन्न भिन्न भाषा भाषि संकाय सदस्यों, अधिकारियों, कर्मचारियों तथा विद्यार्थियों ने बड़े ही उत्साह से भाग लिया। उड़िया, पंजाबी, मराठी, संस्कृत, भोजपुरी, हिमाचली, हिंदी आदि कई भाषाओं में गीत गायन किया गया। इस प्रतियोगिता के परीक्षक के रूप में डॉ. राजेन्द्र श्रीवास्तव, सह प्राध्यापक, डॉ. सोमदेव कर, सहायक प्राध्यापक तथा श्री जी.एस. गुलाटी, विशेष कार्य अधिकारी उपस्थित थे।



OUTREACH INITIATIVES

IIT Ropar students under the NGO Pehchaan visited two local schools Govt. Boys Senior Secondary School and Govt. Girls Senior Secondary School of Ropar city). The visit was the beginning of School Outreach Program. The sessions were focused on the Exam management, various Entrance tests, career opportunities. The students also visited various labs of the schools and interacted with teachers to understand the problems of the students and to make their next session more fruitful.

FIELD TRIP OF SCHOOLS VISITING IIT ROPAR



Government Senior Secondary School, Village Dalla (Ropar)



Oakridge International School, Mohali



St. Carmel School, Ropar



BLOOD DONATION CAMP

NSS and BloodConnect, IIT Ropar organized a blood donation camp. The camp saw huge number of participation from IIT Ropar fraternity, students and staff.

PERMANENT CAMPUS



ENTRANCE VIEW OF IIT ROPAR



S. Ramanujan Block (CSE)



J. C. BOSE BLOCK (EE)



Satish Dhawan Block (ME)



Hostel

With a great sense of pleasure and satisfaction, IIT Ropar announces its final shifting of the Central Administration from Transit Campus to the Permanent Campus, located in 500 acres of land at the bank of river Satluj, Ropar. This marks achieving an important milestone of movement of academic and administrative operations to the Institute's permanent campus.

Three Academic Departments namely- S Ramanujan Block (CSE), Satish Dhawan Block (SMME), J C Bose Block (Electrical Engineering) have shifted to the permanent campus and started operating. The entire administration of the Institute has shifted to the Visvesvaraya Block (Administrative Building). The building comprises two identical wings connected by a link corridor and is having four floors.

The Boys Hostels (3 wings) with capacity of 960 students and Girls Hostels (2 wings) with total capacity of 260 students are occupied and students have shifted to the Hostels of main campus. One wing of Girls Hostel of 100 capacity has been handed over to the Institute and will be occupied in next semester. The Dining hall of 600 capacity is also functional.

The Utility block is occupied by the Institute and being used for facilities like-Bank, Post Office, Cafeteria, Juice Bar, Barber/Salon, Stationary/Printing and Departmental Store etc. The Medical Centre has also started functioning in the Utility Block.

The campus has been developed thereafter in a fine to wellness environment, in the last 3 years. This could only be possible due to the unique hard work of all at IIT Ropar under the charismatic guidance of our Director Prof. S. K. Das.

MARCHING FORWARD AS A TEAM - NEW JOINING



Dr. Bhavesh Garg
Assistant Professor
Humanities
& Social Sciences



Dr. Manigandhan S.
Assistant Professor
Chemical Engineering



Dr. Navin Gopinathan
Assistant Professor
Chemical Engineering



Dr. Soumyajit Das
Assistant Professor
Chemistry



Dr. Rajesh Kumar
Assistant Professor
Biomedical Engineering



Dr. Shweta Jain
Assistant Professor
Computer Science
Engineering



Dr. Manish Aggrawal
Assistant Professor
Mechanical Engineering