

DIRECTOR'S MESSAGE



Dear Friends,
IIT Ropar is bubbling with activities which prompted us to bring out this special issue of Prajwalam. We had our Annual Cultural Fest ZEITGIEST which started

with a BANG when the under-privileged children who were pre-schooled as part of IIT Ropar students' initiative PEHCHAAN gave a startling performance on the stage. This was probably the biggest ZEITGIEST so far, celebrating the 10th Year of IIT Ropar. It showcased the tremendous talent that our students possess in various aspects of cultural activities. I am proud to say that IIT Ropar figured for the first time in international ranking claiming 107th spot among institutes of BRICS Nation and 21st within India. We have also come out 219th in Asia where the top 500 universities of the region were ranked by the ranking agency QS. It is also heartening to observe that we are at the 3rd position in research quality (citations per publications) within India. This is a very satisfactory achievement for the institute which completes barely a decade in existence. We inaugurated a teaching learning centre to enhance the quality of teaching and several senior speakers from other IITs graced the occasion. In September, a joint delegation of IIT Ropar and Trupati visited 8 top Canadian institutes for collaboration. This is specifically important in the light of recent selections of IIT Ropar by MHRD for SPARC (Scheme for Promotion of Academic and Research Collaboration) and as a nodal centre for faculty recruitment activities related to Canada. We had also important activities such as CYNOSURE, the Annual Research Day of the Department of Mathematics and a workshop on Intellectual Property Rights. IIT Ropar organized a quarterly marathon on the occasion of the 150th Birth Anniversary of Mahatma Gandhi on October 2, 2018. Yearly Hindi Pakhwada was also celebrated with enthusiastic participation from students, staff and faculty. One of the major happenings in our campus was the shifting of Department of Electrical Engineering to the new campus in the first week of November.

With the above plethora of activities, IIT Ropar today is a vibrant institute moving towards transition from its childhood to its adolescence, aiming towards its rightful place among the institutions of higher education. We all seek your wishes and co-operation in our journey.

Jai Hind
Sarit K. Das

IIT ROPAR GRABS A SPOT ON QS ASIAN/ BRICS/INDIA UNIVERSITY RANKINGS

- Ranked 3rd in INDIA in RESEARCH QUALITY (CPP)
- 47th in ASIA IN RESEARCH QUALITY (CPP)
- 21st in top 75 Universities in India
- 107th in ASIA in PAPER PER FACULTY
- 219th in ASIA out of top 500 Universities



IIT ROPAR has made a mark in the QS ASIAN UNIVERSITY RANKINGS. The institute has been ranked 219 in Asia out of top 500 institutes reflecting the quality of research going on, that has brought laurels to the institute. Parameter wise, IIT Ropar ranked 47th in Asia in Research Quality (Citation

per publication), even being such a young institution of 10 years and 107th in Paper per faculty which is laudable.

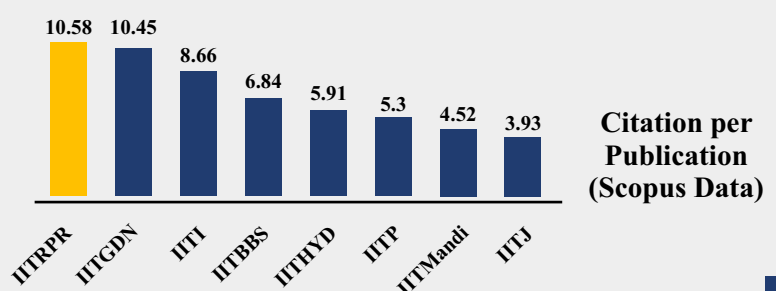
Adhering to its Mission Vision statement, IIT Ropar has made a mark in the history being adjudged 3rd in Research Quality in India. Documented in their Mission, Vision booklet, IIT Ropar has created a niche for itself, redefining the concept of cutting edge interdisciplinary and collaborative research output.

Quacquarelli Symonds (QS) has announced the best 75 institutions in India and IIT Ropar has ranked 21st among the top 75 Indian Universities ranking, scoring highest in the Research Quality with 3rdRank, academic reputation with 86% score and 79% in Employer reputation. Even being a young institution IIT Ropar leapfrogged to rank 107th among the 400 universities of BRICS nations and emerged as India's

top-rated institution. The success is the result of the relentless research going on the institution which is not only focuses on core research areas but also focuses on the interdisciplinary research for solving regional and national problems.



RESEARCH PRODUCTIVITY



KNOW OUR FACULTY



Dr. Prabir Sarkar, now an Associate Professor in the Department of Mechanical Engineering at the Indian Institute of Technology Ropar joined as an Assistant Professor in the same department in the year 2011. Before

joining IIT Ropar, he worked as an Associate Researcher at the National Institute of Standards and Technology (NIST), Gaithersburg, USA. There he worked in the Manufacturing Engineering Laboratory on Sustainability and its standards.

Dr. Prabir completed his Ph.D. from Indian Institute of Science (IISc), Bangalore in Design Creativity and Master of Design (M.Des.), also from IISc in Product Design and Engineering. He has a Bachelor's (B.E.) degree in Production Engineering from National Institute of Technology Trichy. He worked for Bharat Earth Movers Limited (BEML) a PSU, in the R&D division, after completing his masters.

Dr. Sarkar's research interests include product development, sustainability, and design research. He is interested in developing new methods and tools for helping designers and companies to design novel, useful, and sustainable products. His research focus is on developing supports for early design phases. His research group in Design Research Laboratory and Sustainable Design and Manufacturing Laboratory are engaged in research in Ecodesign, biomimicry, engineering aesthetics, sustainable machining, and design creativity. Recently he is also working on developing products for rural applications.



DELEGATION VISIT TO CANADA



IIT Ropar is laying the groundwork for students and faculty to collaborate and to foster innovation and entrepreneurship on Research based

projects with top universities in Canada. To nurture this association, IIT Ropar's delegation led by Prof. Sarit. K. Das, Director, IIT Ropar along with Dr. Rohit Y. Sharma, Associate Dean, International Relation went to Canada for a 10 day trip during September to associate with top-notch Universities that will offer students and faculty, opportunities to collaborate on research projects in emerging fields of Computer Sciences, Electrical Engineering, Mechanical Engineering, Civil Engineering, Chemical Engineering, Physics, Material Science, Bio-medical engineering, Economics. In addition, offshore interviews were conducted in Toronto to bring quality researchers in IIT Ropar. An NRI Meet was also held during the trip in Toronto.

CYNOSURE



The 3rd annual research day "Cynosure and National Symposium on Advances in Mathematics-2018" of the department of Mathematics at IIT Ropar was organized with the participation of 110 scholars. The one-day event focusing and motivating young students towards research in mathematics witnessed oral presentation and poster presentation from scholars. Eminent personalities Prof. Dipendra Prasad, School of Mathematics from Tata Institute of Fundamental Research Mumbai, Prof. A. Adimurthi from Tata Institute of Fundamental Research Bangalore and Prof. S. K. Das, Director IIT Ropar were the invited speakers in the event.

Apart from IIT Ropar, the other participants were from IIT Madras, Panjab University, IISER Mohali and University of Jammu etc.

INTELLECTUAL PROPERTY RIGHTS WORKSHOP



With the view to create awareness on the significance of IPR to the faculty, IIT Ropar organized 4th Intellectual

Property Rights Workshop to cover various aspects of IPR. Patent basics training was given in depth, the entire patent system, from its reason for existence to how to create strong patents as valuable assets of the institution was discussed. Training was provided by experienced and knowledgeable professionals from Legasis Services.

INTERACTIVE SESSION ON "WHY CITIES?"



Prof. Mark Fox, distinguished Professor of Urban Systems Engineering from the Transportation Research Institute, University of Toronto visited the IIT Ropar. He had an interaction session with faculty and students. Prof. Fox is extensively working on solving urban planning, smart cities and transportation problems in India for the last 20 years. This visit was scheduled to further consolidate partnership with IIT Ropar.

TEACHING-LEARNING WORKSHOP



IIT Ropar organized a Two-day workshop on Teaching Learning practices for the faculty in which 6 esteemed professors from top institutions were invited

to give a talk. The workshop discussed a few key concepts and practices which are now widely accepted and recognized as being effective in improving the teaching and learning process.

Prof. S. K. Das, Director, IIT Ropar inaugurated the workshop and shared his experience of teaching with

the faculty members. He envisioned this program as a step towards bringing the two major stakeholders, the teachers and the learners on one platform.

The inaugural session was followed by two brainstorming deliberations. Eminent Professors, Prof. Millind Sohoni from IIT Mumbai, Prof. C. Balaji from IIT Madras enthralled the faculty with interactive session on innovative methods of classroom teaching.

On the second day, Dr. Jitender Prasad, IIT Ropar, Prof. M. L. Munjal, IISc. Bangalore, Prof. Sanjay Mittal, IIT Kanpur, Prof. E. Prasad, IIT Madras and Prof. Ashok Mittal, IIT Kanpur had a sessions on key practices for effective teaching.

ZEITGEIST



On October 23, 2018 IIT Ropar has drawn the curtain for its 4-day annual cultural fest marking the 10th year anniversary of the institute, on the theme "An Arcade Affair," celebrating 90s games and culture. The fest witnessed a footfall of

40000. The four-day event began on October 18, 2018 with various programmes and competitions lined up for enthusiastic participants. As a part of the fest, over 80 literary, cultural, technical and IT competitions were organised.

The inauguration ceremony on October 18, 2018 was graced by the performance of Gotipua (Odissi dance form) group dancers under the SPIC MACAY event. The following days witnessed performances by famous personalities like Vishal-Shekhar, Rahat Indori, Ranjit Bawa, Italian DJ Olly Esse, comedian Jeetu (of TVF fame) and much more. Another major attraction was the Media Conclave, featuring eminent journalists who held a discussion on the topic, "Skill India: Is India really skilled?" Other attractions included Uzbekistani band Havas, Rajasthani folk group Malang, illusionist Kunal Newar and a Gatka showcase (Punjabi martial art form).

The fest witnessed competitions in the realms of music, dance, dramatics, lifestyle, literary, media arts, fine arts, gaming and quizzing. Events such as crowning Mr. and Ms. Zeitegeist, and the fashion show, Lashkara were crowd-pleasers. Pritampal Singh (GGDSD College Chandigarh, won the Mr. Zeitegeist title and Switaj Brar (CGC Landran) won the Ms. Zeitegeist title.

RESEARCH @IIT ROPAR IN NEWS



IIT ROPAR RUNS FOR CHANGE



IIT Ropar celebrated Gandhi Jayanti in a unique way by organizing their flagship event called quarter marathon of 11 kms in cozy-weather on the internal road of Ropar with two short sections of flat trails to keep things fun. Around 400 participants comprising students, faculty and staff participated in this event. The aim behind this marathon is to make running and related activities as a way of life. Prof. Deepak Kashyap distributed prizes to the winners of the marathon.

VIGILANCE AWARENESS WEEK OBSERVED @ IIT ROPAR

IIT Ropar observed The Vigilance Awareness Week during the last week of October. Through the various activities like Essay writing competition, Debate competition, the institute seeks to motivate faculty, staff and students to collectively participate in the fight against corruption and also aims at raising public awareness regarding the detrimental consequences of corruption. This year the Vigilance Awareness Week is being observed from October 29 to November 3, 2018 on the theme "Eradicate Corruption-Build a New India (भ्रष्टाचार मिटाओ- नया भारत बनाओ)".

NEW JOINING



Sh. B. Nagarajan
Registrar
Administration



Sh. Shashi Shekhar Jha
Assistant Professor
Computer Science & Engineering



Sh. Venkata Kalyan Tavva
Assistant Professor
Computer Science & Engineering



Sh. Kamlesh Satpute
Junior Technical Superintendent
XRD/SEM Lab

IIT ROPAR LAUNCHED NATIONAL RESOURCE CENTRE IN MFG.

IIT Ropar launched a National Resource Centre in Manufacturing with a focus to prepare online training material on latest developments in the discipline, new & emerging trends, pedagogical improvements and methodologies for transacting revised curriculum. Professor Harpreet Singh and Dr. Dhiraj K. Mahajan of the Department of Mechanical Engineering are the coordinators of this Resource Centre. The NRC (Manufacturing) will develop the Refresher Module which will include the latest trends in their earmarked discipline. Faculty can benefit from this initiative as it is highly flexible and can be done at one's own pace and time.

PERMANENT CAMPUS



The drive through the gates of 500 acres of campus near the river Satluj, feeling the cool breeze, one can find a different world altogether. IIT Ropar is shifting its

operations from its transit campus to its permanent campus and here comes October with a shifting of Electrical engineering Department. The Grandeur look of the campus gives a metropolitan feel. All buildings are centrally-air-conditioned and earthquake resistant. The sports zone is ready with separate football and cricket grounds, all fitted with high-mast lights and other utilities.



HINDI PAKHWADA



हिंदी दिवस के उपलक्ष्य में भारतीय प्रौद्योगिकी संस्थान रोपड़ (IIT Ropar) में दिनांक 01.09.2018 से 14.09.2018 तक हिंदी पखवाड़ा का आयोजन किया गया। इस कार्यक्रम के उद्घाटन समारोह में मुख्य अतिथि के रूप में सुश्री मीनाक्षी भोजवानी, आरजे, माइ एफ एम चंडीगढ़, उपस्थित थी। इस अवसर पर संस्थान के निदेशक प्रो. सरित कुमार दास ने कहा कि वर्तमान समय में यदि हिंदी को आगे बढ़ाना है तो सभी भारतीय भाषाओं के विकास के साथ ही यह संभव है। दिनांक 27.09.2018 को इस पंद्रह दिवसीय कार्यक्रम का समापन हुआ। समापन समारोह में संस्थान के निदेशक प्रो. सरित कुमार दास तथा श्री नागराजन, कुलसचिव, भा.प्रौ.सं.रोपड़ विशेष रूप से उपस्थित थे। हिंदी पखवाड़ा के अंतर्गत कुल 16 विभिन्न प्रतियोगिताओं का आयोजन किया गया। इन सभी प्रतियोगिताओं के लिए कुल 87 विजेताओं को नकद पुरस्कार राशि, स्मृतिचिन्ह और प्रमाणपत्र प्रो. सरित कु. दास और श्री नागराजन जी द्वारा दिये गये। प्रो. सरित कु. दास, निदेशक महोदय ने कहा कि भा.प्रौ.सं.रोपड़ में साल दर साल न केवल हिंदी प्रतियोगिताओं के आयोजन में वृद्धि हुई है अपितु प्रतिभागियों की संख्या में भी वृद्धि हुई है। अंत में डॉ. अरुण कुमार, सहायक प्राध्यापक ने उपस्थितों का धन्यवाद किया।