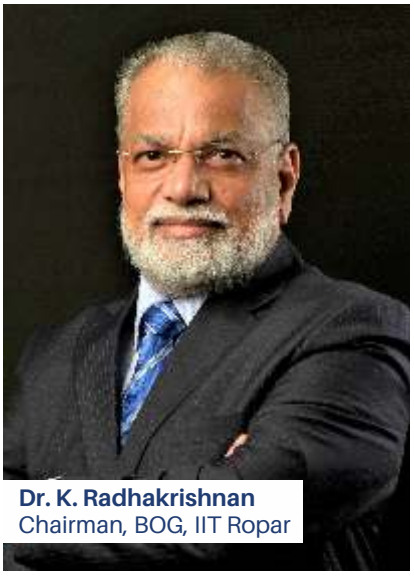
Prajwalam
Indian Institute of Technology Ropar
THE NEWSLETTER | VOL 9, ISSUE 2 | DECEMBER 2020



Dr. K. Radhakrishnan
Chairman, BOG, IIT Ropar

MESSAGE FROM THE CHAIRMAN, BOARD OF GOVERNORS

IIT Ropar has grown rapidly in its formative decade to gain national and international accolades. The entire team of this young and vibrant Institute attracts compliments for an exemplary achievement to provide a congenial ambience for pursuit of learning, research, innovation, entrepreneurship and social commitment towards future needs of our Nation. In short, IIT Ropar has thus adhered to its vision of "Contribution to knowledge, contribution to Society and. contribution to the Nation" thereby making a vital contribution to India's Technology revolution even during the days of crisis and giving back to the society that nurtured it.

DIRECTOR'S MESSAGE

Prof. Sarit K. Das
Director, IIT Ropar

Dear Friends,

We have arrived at the last leg of an extremely difficult year not only for IIT Ropar, but for the entire world. While we are still at war with this pandemic, there are few silver linings which we must grab with both of our hands to make progress in the coming year to overcome the difficulties and to make the future brighter.

At first, I would like to express our gratitude to the Ministry of Education for appointing Dr. K. Radhakrishnan as the Chairman, Board of Governors of IIT Ropar. We all know the astounding achievement of Dr. Radhakrishnan in missions like the Mangalyaan as the head of Indian Space Research Organisation and also his role in guiding IIT Kanpur as the Chairman Board of Governors as well as acting as the Chairman of the IIT Council's Standing Committee. I am sure that IIT Ropar will be tremendously benefited by the wisdom and the guidance of Dr. Radhakrishnan. Coming back to the question of pandemic, we have already started seeing a significant downturn of the state of the pandemic in our country. While the world is going through a third wave of infection and death , India continues to be reducing in the number of infections as well as the mortality rate. Added with that is the rate of recovery, which is very impressive. With vaccines seems to be round the corner, there is every reason to be hopeful for the coming year to restore normalcy and to move forward.

Within the last 3 months of pandemic affected year, IIT Ropar had two major events both conducted in online mode; the first is the formal Inauguration of our newly built campus which was done by Dr. Ramesh Pokhriyal Nishank, the Honorable Education Minister of India on the 22nd October, 2020 and second was the convocation for the year 2020 which was held on 4th December, 2020. In the event of inauguration of our campus, The Honorable Education Minister lauded the research efforts of IIT Ropar during pandemic to fight this deadly virus. He also appreciated the

national and international rankings achieved by IIT Ropar. In our convocation Prof. K. Vijayaraghavan,the Principal Scientific Advisor, Government of India was the Chief Guest. He invited the graduants to work in the areas which have been brought in front by the pandemic crisis. He showed an interesting link between environment and the pandemic and challenged the graduants to work in the disciplinary fields like this. The convocation was a great success with our students and well wishers viewing it from all over the world.

I take this opportunity also to thank our students, faculty and staff who have shown exemplary resilience and positive thinking during the difficult times and kept our academic programs running on dot according to the schedule. We have also started resumption of our research activities with the return of our research scholars to the campus. Today, nearly 50% of our research scholars are back on campus and the faculty members and the staff members are helping the institute to re-focus on research and teaching. During this period , IIT Ropar has been successful in tackling the pandemic keeping the number of cases inside the campus to a single digit value . This has been possible only due to the hard work by our health workers, our staff, students and faculty members who have spared no pains to keep the campus safe yet look positively to carry on the academic programs. I am sure, with the new hope of vaccine and reducing cases country wise, the new year of 2021 will see not only returning back to normalcy, but we may have even learnt a few lessons by which we will be able to take a Leap Forward in the coming days. We thank all our stakeholders for the support they have given during these difficult times. I also welcome our new students who have joined the institute without being physically present at the campus.

Remain safe, remain positive and let us welcome a new year 2021 with great enthusiasm and hope.

Thank you,

Jai Hind!

IIT ROPAR PERMANENT CAMPUS DEDICATED TO THE NATION

Union Education Minister Shri Ramesh Pokhriyal 'Nishank' dedicated permanent campus of IIT Ropar to the nation on 22nd October 2020. Minister of State for Education, Shri Sanjay Dhotre also graced the occasion. Prof. Sarit K Das, Director, IIT Ropar and Shri Ravinder Kumar, Registrar, IIT Ropar and the other dignitaries also participated in the event.

Shri Pokhriyal highlighted that IIT Ropar has featured consistently among the top-ranking educational institutions in the country and abroad. IIT Ropar has shared the top place in India after IISc Bangalore with its position in the 351-400 rank in Times Higher Education World University Rankings 2021, he added. He further highlighted that IIT Ropar has been ranked as number one in the world in research citations. In NIRF, IIT Ropar stood 25th in all India Engineering institutional ranking 2019-20. In QS India Rankings 2020 with an overall rank of 25th in India, IIT Ropar is ahead of all IITs in research quality, scoring highest in Citations per Paper, he added.

The Minister appreciated the initiatives taken by IIT Ropar during Covid-19 crisis. He informed that the technologies include Negative Pressure Room to prevent the transmission of COVID-19 through air at isolation wards and testing labs, thus protecting the medical staff from getting infected. Negative Pressure Ambulance was also conceptualised to carry infected

people without posing the threat to the health workers, serving them in the ambulance. He further informed that a unique UVGI based Room Disinfection Device, UVSAFE is founded in IIT Ropar. The unique patented design ensures zero-shadow 360o disinfection and is being in use at IPL, Dubai. Two state-of-the art low cost autonomous vehicles, "Medi-Sarathi' and "Al-Powered Trolley" for COVID patients with an intent to minimize healthcare workers' contact with infected patients and contaminated surroundings, he added.The Minister applauded the initiatives taken by IIT Ropar towards "Make in India" initiative through a consistent focus on innovation and research.

Shri Sanjay Dhotre shared that, "IITs are recognised worldwide as premier institutes of academic excellence. He also stated that the Ministry is working towards increasing the perception of IITs so that IITs are ranked top in world rankings."

Shri Dhotre applauded the recent grant received by IIT Ropar of Rs 110 Crore from DST to set up "Technology Innovation Hub (TIH) in the domain of Agriculture & Water. Pioneering and unique, this setup is part of the framework of National Mission on Interdisciplinary Cyber Physical Systems (NM-ICPS).

Prof. Sarit K Das, Director, IIT Ropar shared the success story of the Institute with a decade of sustainability that has been an essential feature of the campus master plan. He also shared a video of the green campus that places a lot of emphasis on various sustainability features, including solar power, eco-friendly commute options, efficient water management, healthy waste management practices, zero-discharge, and many other measures. IIT Ropar campus has received a 5-star Green Rating for Integrated Habitat Assessment for Large Developments (GRIHA LD) for campus master plan. The Institute has won several accolades in Rankings and has been actively involved in research and development right from the beginning.

TWEETS AND APPLAUDS ON INAUGURATION

IIT ROPAR CONDUCTED IT'S NINTH CONVOCATION VIRTUALLY

- **Prof. K. VijayRaghavan,** Principal Scientific Advisor to the Government of India was the Chief Guest on this occasion.
- **318 students awarded degrees.**

The Ninth Annual Convocation of Indian Institute of Technology Ropar (IIT Ropar) was held virtually on Friday, December 4, 2020. The Convocation was pre-recorded and streamed on YouTube.

Prof. Sarit K Das, Director, IIT Ropar presented the Annual Report and congratulated the faculty, staff and students for ensuring that the Annual Convocation was held on schedule despite the disruptions arising out of the coronavirus pandemic.

Chief Guest Prof K. Vijay Raghavan who delivered the Convocation Address, drew attention to some of the challenges of the post COVID world where he hoped the scientist and engineer community would play its part to help the world steer through these challenges.

He also stated that we humans have a very important task in paying for the environment and climate mitigation. This is the biggest challenge the youth of today has to take up.

Dr. K. Radhakrishnan, Chairman, Board of Governors, IIT Ropar shared his words during the convocation, stating that Academic excellence is the bedrock of IIT Ropar. He praised the research ecosystem at the campus, as exemplified by the research outcomes and publications.

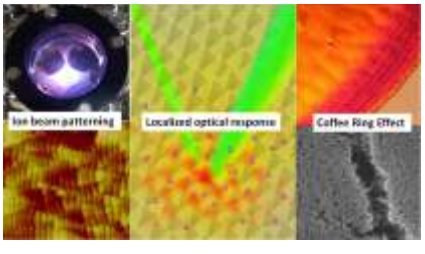
Major Achievements of the Institute in the year 2020:

- IIT Ropar student population has grown to 2387 students, including 1270 UG, 477 PG, 7 MS(R) and 633 PhD students.
- There is an increase in the number of girl students admitted to IIT Ropar from 87 in 2015-16 to 524 in 2020-21 which is nearby 6 times increase in intake of girl students.
- In MHRD's National Institutional Ranking Framework (NIRF), IIT Ropar was ranked twenty fifth among top engineering institutions and thirty ninth among all the participating universities and institutions in the country.
- IIT Ropar ranked in the bracket of 351-400 and 2nd in India with 100 percent citation score in Times Higher Education World University Rankings 2021.
- IIT Ropar ranked 62nd in the World, reaching the Top 70 best Young Institutes in the world in Times Higher Education World Young University Rankings 2020.
- IIT Ropar ranked 47th and entering the top 50 list for the first time in Times Higher Education Asia University Rankings 2020.
- IIT Ropar ranked 25th in India scoring highest in Citation per paper in QS India University Rankings 2020.
- IIT Ropar ranked 205th in Asia in QS Asia University Rankings 2020.
- The average citation per paper, which stands at 15.88 is highest among all the second generation IITs as per recent Scopus data.
- The faculty members and scholars of the Institute published 369 papers in 2020 in high impact international journals with an H-Index of 68.
- Till date, the Institute has received 264 projects with an outlay of Rs. 214.81 crore. In 2019-20, IIT Ropar got 54 projects with an outlay of 20. 83 Cr.
- IIT Ropar saw a surge in consultancy projects which has gone up to Rs. 7.94 crore with 143 projects. In 2019-20, IIT Ropar got 47 projects with an outlay of 2.62 Cr.
- IIT Ropar achieved 86% overall placements in 2019-20 with an average package of Rs. 15 Lakh per annum.
- IIT Ropar's Technology Business Incubator (TBI) under NIDHI TBI Scheme of Department of Science & Technology (DST), Government of India has recently got a Grant –In – Aid of Rs 5 Crore.
- The overall progress of the construction work of IIT Ropar permanent campus, considering all the three phases, is 79 % till end-November, 2020.

KNOW YOUR FACULTY

(Dr. Subhendu Sarkar)

Dr. Subhendu Sarkar is an Associate Professor in the Department of Physics, Indian Institute of Technology Ropar, Punjab, India. He had earned his PhD in 2006 from Saha Institute of Nuclear Physics for his study on various aspects of multilayer systems using mass spectrometric and diffraction techniques. After completing his PhD, Dr. Sarkar worked as a postdoctoral fellow at Interuniversity Microelectronics Centre (IMEC), Leuven, Belgium wherein he pursued his research in the field of nanopatterning using low energy ion beams. Dr. Sarkar joined the Material Science Division of Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam in the year 2008 and worked there for a year before joining IIT Ropar.



At IIT Ropar, Dr. Sarkar has established a research group which aims to understand and thereafter regulate surface and interfacial phenomenon for designing surface structures from nanometer to micrometer scales for potential applications. Their studies involve a wide variety of materials from semiconductors, metals to polymers. They employ several non-conventional complementary patterning methods to template surfaces both at the nano and microscales. Their studies are directed towards realizing new properties of materials that have potential applications using a structure-property synergistic approach. In addition, they also study the foundations of the patterning processes from an atomistic or microscopic viewpoint by employing robust statistical formalisms. The instabilities arising due to competitions between surface tensions and different relaxation mechanisms are explored for the case of ion sculpted surfaces. The ion beam parameters are engineered to fabricate surfaces that exhibit unconventional and localized optical responses having potential applications in single molecule detection, optical filters, etc. Evaporative self-assembly methods commonly known as the "Coffee Ring Effect" are used to study inter-particle and particle-surface interactions which find direct applications in ink-jet printing, medical diagnostics, flexible particle self-assembly, forensic research, etc. Most of the research papers from Dr. Sarkar's group are published in journals of international repute. During his tenure at IIT Ropar, Dr. Sarkar has received funding from DST-SERB and CSIR. Further information about Dr. Sarkar and his research group can be found at https://smal.iitrpr.ac.in.

NEWS & EVENTS

Swarnajayanti Fellowship

Dr. Rajesh V. Nair, Associate Professor, Department of Physics, IIT Ropar received the top and most competitive Scientific Awards of the country, Swarnajayanti Fellowships in Physical Sciences. Dr. Nair is the first IIT Ropar faculty to achieve the fellowship in Physical Sciences since the second generation IITs were established in 2008.

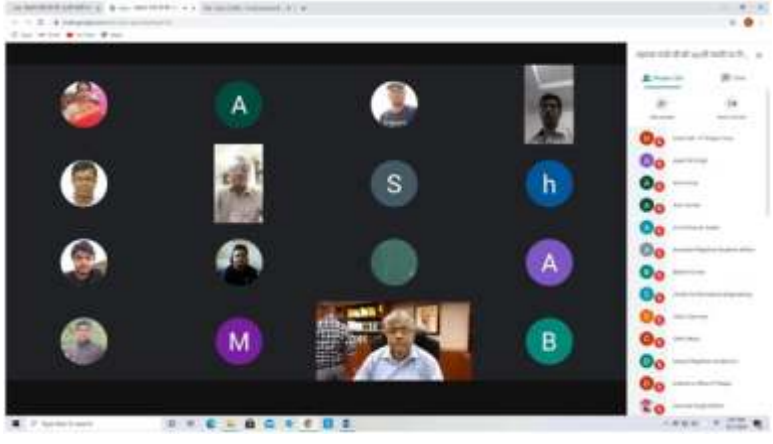
Workshop on "Robotics System Design: Fundamentals, Challenges and Applications"

IIT Ropar and The Robotics Society organized a one-week workshop on Robotic System design: Fundamentals, Challenges and Design.

An OPEN HOUSE session for successful JEE advanced rank holders

IIT Ropar conducted an Open House for successful JEE Advanced rank holders. The live counselling session aimed to facilitate the students with the requisite information to help them make the right career choices. This was followed by a question and answer session, designed specifically to help the students in making a correct and informed choice in their career. Special counselling was planned for prospective female candidates by the helpdesk team of the Institute to clarify their queries, particularly on seat allocation through female supernumerary quota.

150th Birth Anniversary of Gandhi Ji Celebrated



महात्मा गांधी जी की 150 वींजयंती के अवसर पर संस्थान में आनलाइन समारोह का आयोजन किया जिसमें निदेशक प्रो. सरित कुमार दास ने महात्मा गांधी जी के जीवन तथा जीवन-मूल्यों को किस प्रकार अपने दैनिक कार्यों में लाना चाहिए इस पर विचार रखें।

A Three-Day webinar on "Theorising Humanities at the Time of Crisis"

The Department of Humanities and Social Sciences of IIT Ropar organised "Theorising Humanities at the Time of Crisis", a three-day webinar across a gallery of affiliated schools-- Literature, Philosophy, Linguistics, Film Studies, History and Sociology. The webinar attempted to form a dialogue between disciplines in the backdrop of crisis-- of the past and contemporary.

International Lecture Series

Webinar on the teachings of Mahatma Gandhi and Martin Luther King Jr.

IIT Ropar commemorated the 150th birth year of Mahatma Gandhi with a special lecture by joining hands with its partner university, The State University of New York, Binghamton (SUNY), to conduct an online lecture on the teachings of Mahatma Gandhi. The lecture focused on the teachings of Mahatma Gandhi and their relevance in contemporary times. It also focused on the views of Rev. Martin Luther King Jr. and his learnings about Satyagraha and Ahimsa.

Indian Institute of Technology, Ropar, Department of Humanities and Social Sciences in association with PhilScience organized Evidence, Models and Explanation: International Lecture Series

IIT Ropar observed Constitution Day 2020

Constitution Day was celebrated at IIT Ropar with enthusiasm. In an online event, the Preamble was read out by the Director, IIT Ropar, attended by the members of faculty, administrative staff and students. Professor Sarit K Das spoke about Constitutional morality and highlighted the major milestones in the journey of 71 years of the adoption of our Constitution.

Workshop on "Computer Vision with Deep Learning" under 15th IEEE ICIIS 2020

IIT Ropar saw a massive online gathering of internationally renowned experts and delegates from more than eight countries including Sri Lanka, USA, Italy, Denmark, Australia, Germany, Sweden and Japan for the 15th (IEEE) International Conference on Industrial and Information Systems (ICIIS) 2020, which was conducted in a virtual mode, for the first time in the last fifteen years of the history of the conference, during 26th – 28th November 2020.

Vigilance Awareness Week 2020

IIT Ropar organised an invited lecture on “Honesty-A way of life” by Mr. Kanwaldeep Singh, SSP, Vigilance Bureau, Punjab (Rupnagar Range) during Vigilance Awareness Week 2020.

MoU signed with NHAI

IIT Ropar & NHAI inked two MoUs for research on "Utilization of rice husk ash, bagasse ash and bottom ash as backfill materials for highway embankment" & " Slope monitoring and Landslide hazard quantification for hilly roads."

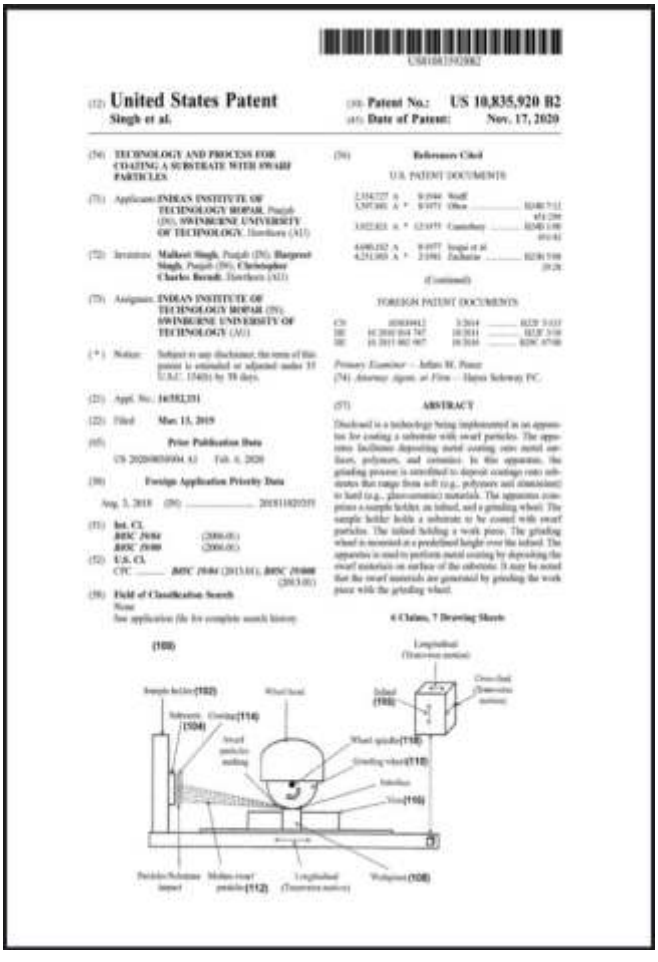
IIT Ropar and NHAI has signed two MoUs for research projects to utilise rice husk ash & bagasse ash for highway embankment & for slope monitoring & landslide hazard quantification for hilly roads.

Defence India Startup Challenge-4

Indian Institute of Technology Ropar partnered with the Ministry of Defense, Government of India to successfully bring together “Defence India Startup Challenge-4.”

AWARDS & RECOGNITIONS

Dr. Prabal Banerjee, Associate Prof. Deptt. of Chemistry, IIT Ropar has received the prestigious Bronze Medal of the Chemical Research Society of India in recognition to his contributions to research in Chemistry.



United States Patent
Singh et al.

Patent No.: US 10,835,920 B2
Date of Patent: Nov. 17, 2020

(54) TECHNOLOGY AND PROCESS FOR COATING A SUBSTRATE WITH SWARF PARTICLES

(71) Applicants: INDIAN INSTITUTE OF TECHNOLOGY ROPAR, Punjab (IN); SWINBURNE UNIVERSITY OF TECHNOLOGY, Hawthorn (AU)

(72) Inventors: Malkeet Singh, Punjab (IN); Harpreet Singh, Punjab (IN); Christopher Charles Berndt, Hawthorn (AU)

(73) Assignees: INDIAN INSTITUTE OF TECHNOLOGY ROPAR (IN); SWINBURNE UNIVERSITY OF TECHNOLOGY (AU)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 58 days.

(21) Appl. No.: 16/551,231

(22) Filed: Aug. 15, 2019

(65) Prior Publication Data

US 2020/0056094 A1 Feb. 6, 2020

(30) Foreign Application Priority Data

Aug. 3, 2018 (IN) 201811029255

(51) Int. Cl.
B05C 19/04 (2006.01)
B05C 19/00 (2006.01)

(52) U.S. Cl.
CPC *B05C 19/04* (2013.01); *B05C 19/00* (2013.01)

(58) Field of Classification Search
None
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

(Continued)

FOREIGN PATENT DOCUMENTS

Primary Examiner — Julian W. Woo
(74) Attorney, Agent, or Firm — Harris Sobreny PC

(57) ABSTRACT

Disclosed is a technology being implemented in an apparatus for coating a substrate with swarf particles. The apparatus facilitates depositing metal coating onto metal surfaces, polymers, and ceramics. In this apparatus, the grinding process is controlled to deposit coatings onto substrates that range from soft (e.g., polymers and aluminium) to hard (e.g., glass-ceramics) materials. The apparatus comprises a sample holder, an infeed, and a grinding wheel. The sample holder holds a substrate to be coated with swarf particles. The infeed holding a work piece. The grinding wheel is mounted at a predefined height over the infeed. The apparatus is used to perform metal coating by depositing the swarf materials on surface of the substrate. It may be noted that the swarf materials are generated by grinding the work piece with the grinding wheel.

6 Claims, 7 Drawing Sheets

The First US Patent for the invention of technology for coating a substrate with swarf particles is awarded to Prof. Harpreet Singh, Prof. Christopher Berndt and Mr. Malkeet Singh of IIT Ropar.

Dr. Nitin Auluck, Associate Prof. Dept of CSE, IIT Ropar have been selected to serve as an Editor of a reputed journal Concurrency and Computation: Practice and Experience.

Dr. Anupam Bandyopadhya, Asst. Prof. Dept. of Chemistry, IIT Ropar selected as an Editorial member for an internationally reputed journal, Protein and Peptide Letters.

Mr. Ashwin Goyal, 3rd year BTech (ME) student of IIT Ropar selected for the prestigious (Harvard College Project for Asian and International Relations) Harvard 2021 Conference.

Mr. Vipul Kumar Nishad, Research Scholar at IIT Ropar has been awarded the Best Student Paper Award in the 20th IEEE International conference on Nanotechnology 2020. This prestigious conference is the flagship conference of the IEEE Nanotechnology Society.

IIT Ropar Team "Ciao_Bella" has been announced as winners in the prestigious Smart India Hackathon 2020 for the problem statement 'Vehicle Recognition and Compilation in Database'under the Ministry of Madhya Pradesh. The following are the team members:

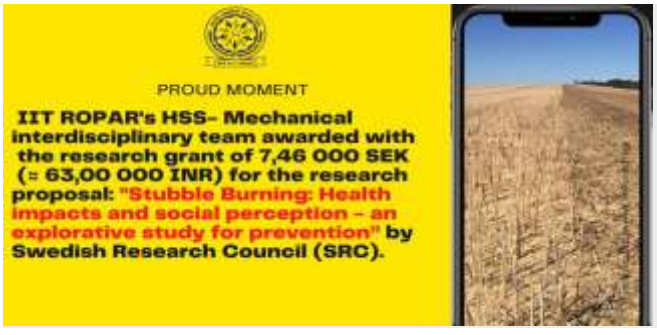
- Harshit Sakhuja
- Mohit Singhal
- Gourav Wadhwa
- Shubham
- Bhumika
- Krithika Goyal
- Team Mentor :- Dr. Subrahmanyam Murala

IIT Ropar team "The_big_bug_theory" has been announced as Winners of Smart India Hackathon 2020 under AICTE-MHRD Innovation Cell Student Innovation Category and has bagged overall 2nd Position among problem statements of Smart Textiles, Finance and Agriculture & Rural Development. The following are the team members:

- Ankit Bhadu
- Komal Chugh
- Bhawna
- Praful Gupta
- Ashish Kaushik
- Sarvesh Vhawal

STARTUP NEWS

IIT Ropar TBIF has received its grant-in-aid of Rs. 2.83 Crore from DST, Government of India, under NIDHI TBI scheme. Total sanctioned grant is of Rs. 5.00 Crore.



Swedish Research Council (SRC) has awarded Indian Institute of Technology, Ropar HSS-Mechanical interdisciplinary team the research grant of 7,46 000 SEK (≈ 63,00 000 INR) for the research proposal: "Stubble Burning: Health impacts and social perception - an explorative study for prevention."

A defining moment for Indian Institute of Technology Ropar Department of Science and Technology (DST), Govt of India approves 'Agriculture Water Technology Development Hub'(AWaDH) at a cost of 110 crores under the National Mission in Interdisciplinary Cyber Physical System (NM- ICPS) . Being in the Punjab-Hariyana food bowl of India, this is an opportunity for us to contribute to the modernisation of agriculture and improve the livelihood of millions of farmers. Congratulations to our young and enthusiastic team of faculty members.

IIT ROPAR IN NEWS

IIT Ropar researcher Balwinder Sodhi develops an app providing information to check quality tests about medicine or its manufacturer. The consumer will be able to know whether the medicine or drug has been put on alert by the central regulatory authorities or it has been recalled after failing quality tests.

A cheering news to share Indian Institute of Technology Ropar once again showed promising result in THE World University Rankings 2021, 2nd highest in the Nation after IISc Bangalore with rank scale of 351-400, with 100% citation score.

IIT Ropar's team of researchers, Dr. Khushboo Rakha, Dr. Dhiraj Kumar Mahajan and Dr. Naresh Rakha have designed Doffing Unit, with the use of germicidal technologies; Chemical Disinfectants, Negative pressure rooms and UVGI for safe removal of PPE kits.

IIT Ropar researchers developed Portable low cost paper-based sensing colorimetric chip for onsite detection of the variety of harmful analytes in water including Cyanide.

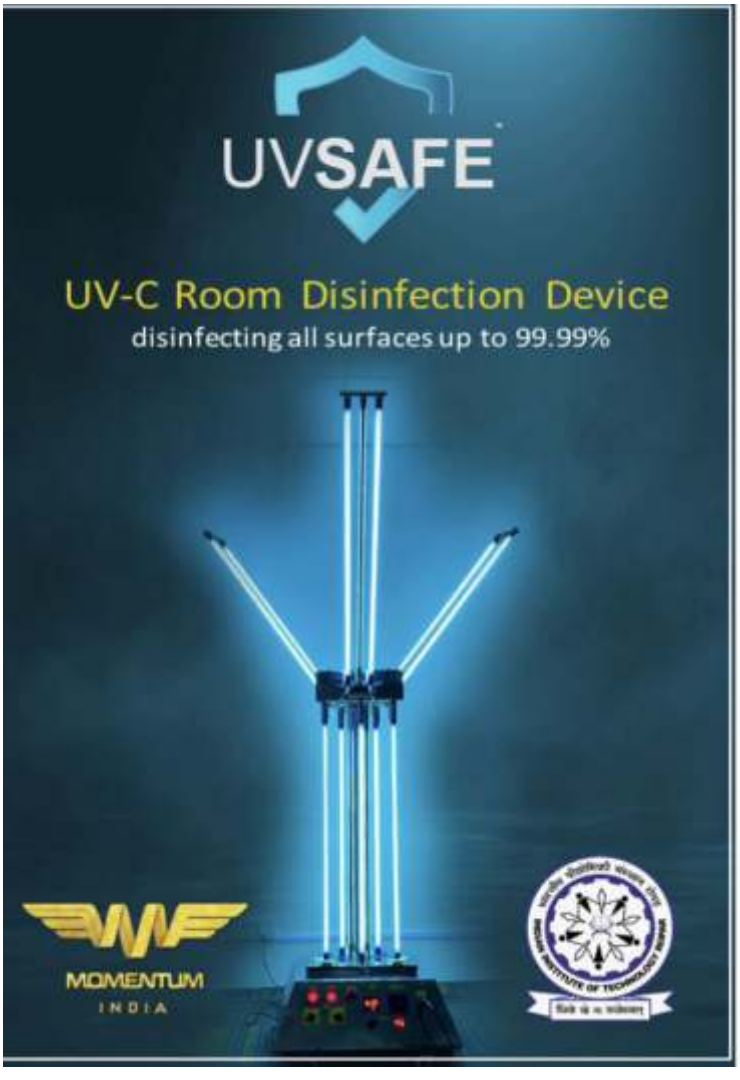
Indian Institute of Technology Ropar researchers developed BiPAP (Bilevel Positive Airway Pressure) ventilation support that can be used for the less critical cases where patients do not require intubation by specialized staff and also minimizing the risk of infection during the procedure.

SPORTS & CULTURE

IIT Ropar celebrated 74th Independence Day with low-key celebrations due to the COVID-19 implications, adhering Social Distancing and MaskUp norms.

IIT ROPAR COMBATTING COVID-19

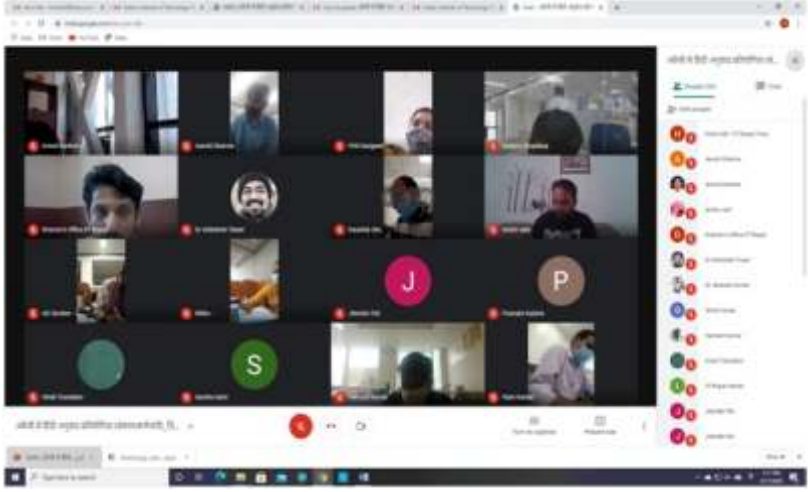
Enactus IIT Ropar team made more than 300 biodegradable masks from old clothes to reduce threat of Water and Land Pollution #MaskinHome, creating awareness to wear disposal masks made of clothes when we are not in high-risk proximity.



IIT Ropar in collaboration with Momentum India Pvt. Ltd. has developed a room disinfection device "UVSAFE". The device can be used on door knobs, table tops, cupboards, room fixtures, wall corners, work tops, artifacts, furniture tops etc. and has been deployed at Dubai Sports City.

Director, Prof. Sarit K Das administered the pledge to IIT Ropar fraternity for a massive campaign to prevent the spread of the deadly COVID-19.

आई.आई.टी. रोपड़ में आनलाइन हिंदी पखवाड़ा 2020 का आयोजन



14 सितंबर 2020 को आई.आई.टी रोपड़ के निदेशक प्रो. सरित कुमार दास जी की अध्यक्षता और संबोधन के साथ आई.आई.टी रोपड़ के १५ दिवसीय हिंदी पखवाड़ा कार्यक्रम का शुभारंभ हुआ। हिंदी दिवस के अवसर पर प्रो. सरित कुमार दास, निदेशक, आई.आई.टी रोपड़ ने संस्थान सदस्यों के समक्ष कई प्रासंगिक विषयों पर अपने विचार साझा किए।

कोविद-19 और विज्ञान एवं प्रौद्योगिकी की भूमिका पर अपने विचार साझा करते हुए उन्होने कहा कि कोविड-19 के कारण दुनिया को यह समझ में आ गया कि विज्ञान और प्रौद्योगिकी केवल अध्ययन अध्यापन का विषय नहीं है बल्कि यह मानवजाति के संरक्षण और बचाव के लिए भी आवश्यक है और इसकी महती भूमिका है।

भारत की नई राष्ट्रीय शिक्षा नीति पर अपने विचार साझा करते हुए प्रो. सरित कुमार दास ने कहा कि चाहे तकनीक हो, विज्ञान हो अथवा कोई भी ज्ञानानुशासन हो नई राष्ट्रीय शिक्षा नीति इन सभी के उत्थान में एक निर्णायक भूमिका का निश्चित रुप से निर्वहन करेगी।

प्रो. एस. के. दास ने अपने वक्तव्य में यह भी कहा कि इस नई राष्ट्रीय शिक्षा नीति 2020 ने केवल हिंदी ही नहीं अपितु भारत की सभी भाषाओं के संवर्धन और उन्नति के बारे में गहराई से सोचा है क्योंकि इसमें जरा भी संदेह नहीं है कि हिंदी को समाज में, सरकारी कामकाज में बढ़ाना है तो हमें केवल हमारे संविधान की अनुसूची (Schedule) की भाषाओं को ही नहीं बल्कि इस अनुसूची के बाहर की सभी भाषाओं को पास लाना होगा।

अंत में प्रो. सरित कुमार दास ने कहा कि हिंदी पर चर्चा, परिचर्चा होना और इसका विकास होना हमारे राष्ट्र के लिए आवश्यक है।

इस अवसर पर प्रो. दीपक कश्यप, विभागाध्यक्ष, सिविल अभियांत्रिकी विभाग ने कहा कि कोरना संकट समय में भी आई.आई.टी रोपड़ ने अपने अनुसंधान द्वारा राष्ट्र की सेवा में अपनी तत्परता को सिद्ध किया है और इसी क्रम में हिंदी पखवाड़ा 2020 का आयोजन भी है। प्रो. दीपक कश्यप ने कहा की हिंदी पखवाड़ा हमारे नवाचार (innovation) का सूचक है।

अंत में डॉ. अरुण कुमार, सहायक प्रोफेसर ने सभी का धन्यवाद ज्ञापित किया। इस कार्यक्रम का संचालन डॉ. सम दर्शी, सहायक प्रोफेसर ने किया।

समाचार पत्रों में हिंदी पखवाड़ा 2020 की कवरेज

पखवाड़ा के अंतर्गत विभिन्न प्रतियोगिताओं का आनलाइन माध्यम से आयोजन

हिंदी प्रकोष्ठ ने हिंदी दिवस के उपलक्ष्य में दिनांक 14 सितंबर से 28 सितंबर 2020 के दौरान कुल 19 आनलाइन प्रतियोगिता का आयोजन किया। इन 19 प्रतियोगिताओं में 05 प्रतियोगिताएं विद्यार्थियों के लिए, 11 प्रतियोगिताएं कर्मचारियों के लिए, 01 प्रतियोगिता संस्थान के सुरक्षाध्सफाई आदि कर्मचारियों के लिए तथा प्रत्येकी एक प्रतियोगिता संस्थान कर्मचारियों के बच्चों और परिवारजनों के लिए आयोजित की गई थी।

सुरक्षा / सफाई कर्मचारियों की सुविधा को ध्यान में रखते हुए केवल यही एक प्रतियोगिता संस्थान के सेनेट सभागार में आयोजित की गई। शेष सभी (कुल 18 प्रतियोगिताएं) प्रतियोगिताएं आनलाइन माध्यम से आयोजित की गई।

इन सभी प्रतियोगिताओं को संस्थान के सभी स्तरों से उत्साहजनक प्रतिक्रिया प्राप्त हुई और सभी ने बढ़-चढ़ कर इन प्रतियोगिताओं में अपनी भागीदारी सुनिश्चित की।

विद्यार्थियों के लिए आयोजित सभी प्रतियोगिताओं में कुल 45 पुरस्कार प्रदान किए गए। संकाय सदस्य एवं कर्मचारियों के लिए आयोजित सभी प्रतियोगिताओं में कुल 60 पुरस्कार प्रदान किए गए।

हिंदी पखवाड़ा के दौरान आयोजित की गई कुल 19 प्रतियोगिता में संस्थान के कुल 29 संकाय सदस्यों ने इसके मूल्यांकन के दायित्व का निर्वहन किया। साथ ही, हिंदी टाइपिंग प्रतियोगिता तथा कंप्यूटर पर हिंदी कार्यालय आदेश टाइपिंग प्रतियोगिता हेतु श्री अरविंद कुमार, सहायक निदेशक, केन्द्रीय हिंदी शिक्षण योजना, चण्डीगढ़ केन्द्र को इसके मूल्यांकन हेतु विशेष रुप से आमंत्रित किया गया था।

INFRASTRUCTURE DEVELOPMENT

In the second phase, that is Phase 1B, the facilities that had been completed in 2019 and made operational were the Boys Hostel (Chenab 720 capacity) and Girls Hostels (Raavi East 100 capacity and Raavi West 160 capacity) and an Electrical Sub-Station (ESS 4). In 2020 between July to December up to date, the other buildings of Phase 1B that have been completed and being occupied are the Faculty residences (72 flats), the Campus School and the Workshop Complex (Metallurgy workshop, IC Engine and CNC machine workshop, Tinkering, Traditional and Civil workshops). Also the Guest House is completed and would be furnished now. Also the Central Research Facility (CRF) is 95 % complete, the Library Lecture Hall and Auditorium which is 80% complete, the second Dining Hall which is 90% complete. The Sewage Treatment Plant (500 KLD) of the Phase 1B is completed and ready for commissioning.1

In Phase 1C, the Nitrogen Plant building has been completed and the faculty and staff residential quarters (72 flats) are in their finishing stages. The structural construction of the Super Academic Block is going on at good speed. All structural drawings from the basement to the terrace have been issued to the PMC and also to the working agency. The work progress of a Students Hostel (G+5, over 500 seat capacity) is also commendable and in the finishing stages. This phase also has three Electrical Sub-Stations (ESS 5, 6 and 7) and the structural work of all of them has been completed.

Campus School

Visitor's Hostel

Boys Hostel

Workshop Complex

NEW JOINING

FACULTY

Dr. Arghya Banerjee
Assistant Professor
Chemical Engg.

Dr. Navaneeth K Marath
Assistant Professor
Mechanical Engineering

Dr. Bodhisatwa Das
Assistant Professor
CBME

STAFF

Sh. Mohit
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Published by: Publication Cell, IIT Ropar || Email: publications@iitrpr.ac.in || Phone: +91-1881-231301/231304