

IIT Jammu's Newsletter Summer '19

JAGTI जगती



विद्याधनं सर्वधनं प्रधानम्

भारतीय प्रौद्योगिकी
संस्थान जम्मू
INDIAN INSTITUTE OF
TECHNOLOGY JAMMU



T&P Cell Organises
Industry Conclave

IIT Jammu organized its first Industrial Conclave on 16th-17th Feb 2019, to bridge the gap between industry and academics, in the presence of Mr K.K. Sharma, Advisor to Governor, J&K, Prof. Manoj Singh Gaur, Director IIT Jammu, and Prof. Devesh Jinwala, Dean Faculty. The theme of the Conclave was “Integrating Education with Skills: Perspective of Technological changes with Global Impact”. The program consisted of 4-panel discussions with eminent personalities from top industries like IBM, Reliance, HP, Godrej, Siemens, Suzlon, Hughes, among others. Dr. S. Anand Kumar, Faculty Incharge T&P Cell, presented the Vote of Thanks.

KHOJ 2019

A 2 weeks long workshop on “Physical Computing and Embedded Systems” was conducted from 24th June-5th July 2019 by as part of Outreach by IIT Jammu.



The workshop was offered to over 40 participants throughout the country including school students, undergraduates and professionals. Subjects such as Machine Learning, Artificial Intelligence and Robotics were discussed in the workshop led by Mr. Dhananjay Gadre and his team from Netaji Subhas Institute of Technology, Delhi. The workshop was a fully residential program in which a heartening 25% of the participation was from the students of senior secondary schools across the country.

Hindi Cell organises ‘Umang’



“Umang- Ek Shaam Kavita Ke Naam” was organised by IIT Jammu and was marked by the presence of one of the great poets of India, Shri Dinesh Raghuvanshi. He recited some of his most famous poems written on themes such as motherhood, persistence and patriotism. Students, staff and faculty members of IIT Jammu also participated in this event enthusiastically and some of them recited their own poems too.

MOUs Signed

- Public Works Dept. Jammu.
- ENTUPLE Technologies Pvt. Ltd.
- IIT Bombay
- Electronics Sector Skills Council of India
- Shri Mata Vaishno Devi University Katra

Google Summer of Code (GSoC)

GSoC is a global program that matches students up with the open-source, free software and Technology-related organisations to write code. The idea is to get students involved in and familiar with the open-source community and help them to put their summer break to good use.

Vikas Gola became the first student from IIT Jammu to get accepted into GSoC.



Skill Development Training Program

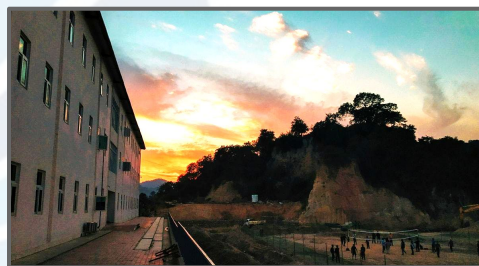
The Institute Workshop, IIT Jammu organised a 3-week Program on “Enhancement of Employability Skills to the Diploma Mechanical Engineers of Jammu and Kashmir” from 1st July till 20th July 2019. 35 students received hands-on training on topics such as CAD modeling, Machining Practice in a Lathe and Milling Machine, CNC Programming and Machining, 3D Printing and many more application-oriented sessions. Interactive workshops on Leadership & Entrepreneurship along with Soft Skill Training were also conducted

The Program was organized with the support of the Department of Technical Education, J&K along with J&K Bank. Few Industries participated on placement drive to the participants on 20.07.2019. Sixteen candidates were offered employment in organizations of JK state. The Director, IIT Jammu, Assistant Vice President, JK Bank and Director, Department of Technical Education participated in valedictory function and distributed certificates to participants.



Intl. Yoga Day

IIT Jammu celebrated the International Yoga Day on June 21, 2019. Sh. R.C Gupta and Sh. Sourabh Sharma from The Heartfulness Centre, Jammu emphasized on the importance of Yoga as a daily routine for greater benefits.



Lens of IIT Jammu

The Photography Club of IIT Jammu organised a contest inviting pictures featuring the campus of IIT Jammu. The winning entry (pic above) was clicked by Saksham Sood. The winners were declared by Dr. Quleen Kaur Bijral.



One Planet: Diverse Voices

The Literary Club of IIT Jammu organised a note-making and essay-writing competition for PhD scholars on 24th April, 2019. Ajaz Ahmad, Gaurav Sharma and Aditi Gupta were declared winners by Dr. Quleen Kaur Bijral.

Smart India Hackathon

Smart India Hackathon is an initiative of the Government of India for identifying new and disruptive technology innovations to solve the challenges faced in our country. A total of five teams from IIT Jammu made it to the SIH 2019 grand finale. **With great pride, the Institute congratulates the two teams which won the competition.**

1)At the nodal centre, Manipal Institute of Technology, problem statement by BEML, the winner was team Racemates: Pranav Reddy (Team Leader), Aviral Sharma, Shubhendra Singh Yadav, Abhishek Raj, Venkateshh Sugandham, Taijaswini Agarwal.

2)At the nodal centre, Satyabhama University, problem statement by the Ministry of Labour and Employment, the winner was team AI coders: Mayank Singh(Team Leader), Kulvendra Singh, Sanjana Kansal, Rahul Byas, Thaisnang Meska Reang, Deepak Rai.

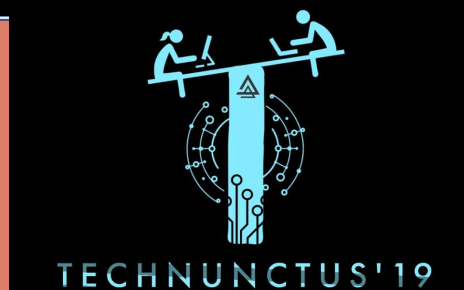


Convoquer is the annual inter-branch sports fest of IIT Jammu. The Second Edition of CONVOQUER was held from 18th to 21st March 2019. This year, the following sports are included in the tournament: Football, Volleyball, Cricket, Basketball, Athletics, Table Tennis, Badminton, Pool and Chess. Students, staff members and faculty members actively participated in the event. The event was concluded with a Closing Ceremony where all the winners were felicitated.



Team Kinesis (above), from IIT Jammu's chapter of the Society of Automotive Engineers (SAE), represented the Institute in the main ATVC event of BAJA 2019 held at IIT Ropar in March 2019.

The team received the "People's Choice Award for Displaying Team Spirit".



IIT Jammu organised its first Techfest, **Technunctus**, to promote "technological advancement, scientific thinking and innovation" on 23rd and 24th March 2019. More than 60 students from various parts of the country participated in the event. A number of contests including hackathons, gaming, robotics contests and quizzes were organised as part of the event.

Workshops and Talks

- Talk on **Machine Learning** by Prof. Akka Zemmari, LaBRI, University of Bordeaux. 23rd February 2019
- **Institute Lecture** delivered by Mr. Sonam Wangchuk from SECMOL. 26th April 2019
- Talk on "**Laser, Butterfly Effect, and Secure Communication**" by Dr Dhruva Biswas, BARC. 18th April 2019.
- **Leadership talk** by Prof. Anil D. Sahasrabudhe, Chairman, AICTE. 22nd April 2019.
- **Fourth Foundation Day Institute Lecture** by Dr. Vivek Raghvan from UIDAI, Govt. of India. 5th August 2019
- Workshop on **Virtual Laboratories** organised by the Dept. of Mechanical Engineering and I3C, IIT Jammu. 29th May 2019

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Dr. Vinit Jhaketiya

Dr. Vinit Jhaketiya joined IIT Jammu as Assistant Professor in the Department of Computer Science and Engineering. Hereceived Ph.D. in Electronics and Computer Engineering from Hong Kong University of Science and Technology, in 2016. In 2015 he was also a Visiting Student with Nanyang Technological University, Singapore, where he later joined as a Project Officer. Later he joined Hong Kong Applied Science and Technology Research Institute (ASTRI), as a senior Engineer. His research interests include image/video processing, Machine/Deep Learning, image quality assessment, and visual perceptual modeling. In his free-time, he loves to play-cricket and badminton, and chit-chat with students.

Dr. Alok Kumar Saxena

Dr. Alok Kumar Saxena joined IIT Jammu as Assistant Professor in the Department of Electrical Engineering in August, 2018. He finished his M. Tech. & PhD from IIT Kanpur in 2017. His Ph.D. thesis, titled "Unconditionally Stable Three-Dimensional LOD-FDTD Methods for Low Numerical Dispersion Error", has proposed various locally one-dimensional finite-difference time-domain (LOD-FDTD) methods. His research interests include RF and Microwave, computational electromagnetics and various planer microwave devices. His hobbies include reading novels and short stories, travelling, and listening music.

Dr. Shiva S.

"Education never ends; it is a series of lessons with the greatest for the last." - Sherlock Holmes

Dr. Shiva S joined IIT Jammu as Assistant Professor in the Department of Mechanical Engineering. He did his Ph.D. from IIT Indore and post doc from IIT Madras. He is a Newton Bhabha Fellowship recipient funded by RAE, London, through which he was working as visiting researcher at Institute for Manufacturing, University of Cambridge during his PhD days. His core area of research is in laser additive manufacturing, laser surface processing techniques like laser annealing and laser shock peening. His research interests also include wire arc additive manufacturing and cold spray deposition techniques. He likes spending time playing badminton and an active follower of various sports with keen interests in music as well.



Dr. Vijay Kumar Pal

Dr. Vijay Kumar Pal joined IIT Jammu as Assistant Professor in the Department of Mechanical Engineering in September 2018. He did his Ph.D. from IIT Kanpur in 2017 after being awarded the MHRD fellowship for Ph.D. program. Before joining IIT Jammu, he was working as Assistant Professor at NIT Silchar. His research interests include conventional and non-conventional machining (Micro-EDM/ECM, AWJM, USM, LASER machining etc.), Tribology, machining of UHTCs, Biomaterials, Nanotechnology, super hydrophobic surfaces, large area micro/nano texturing, Composites



Dr. Yamuna Prasad Shukla

Dr. Yamuna Prasad Shukla joined IIT Jammu in September 2017 as Assistant Professor in the Department of Computer Science and Engineering. He did his Ph.D. from IIT Delhi in 2016 after which he worked as Assistant Professor in Jaypee Institute of Information Technology Noida and Ashoka University. In 2018, he worked as Visiting Research Fellow, EECS, University of Cincinnati, USA. He was a postdoctoral fellow at Thompson Rivers University, Canada. His research interests include Machine Learning, Deep Learning, Big Data and Soft Computing.



Dr. Vinod Kushvaha

Dr. Vinod Kushvaha joined IIT Jammu as Assistant Professor in the Department of Mechanical Engineering, in October 2018. He did his Masters and PhD in Mechanical Engineering from Auburn University, USA. Before joining IIT Jammu, he worked as Sr. Development Engineer at Georgia Pacific LLC, Atlanta, USA. His research interests include Composite Material, Finite Element Modeling, Impact Testing, Failure Characterization, Novel Engineering Material Development, Extended Finite Element Method (XFEM), Digital Image Correlation