

# IIT Jammu's Newsletter Winter '18-19

# JAGTI जगती



भारतीय प्रौद्योगिकी  
संस्थान जम्मू  
INDIAN INSTITUTE OF  
TECHNOLOGY JAMMU

विद्यार्थनं सर्वधनं प्रधानम्



## SPIC MACAY

IIT JAMMU successfully organized its first-ever event as part of the **Society for the Promotion of Indian Classical Music And Culture Amongst Youth (SPIC MACAY)** on 12th of October 2018.

India's leading classical vocalist **Vidushi Kalapini Komkali** along with **Shambhunath Bhattacharya** and **Chetan Nigam** on instruments presented various forms of ragas which provided an edge in reviving the classical forms of music among the IIT Jammu students.



## REPUBLIC DAY CELEBRATION

70th Republic Day of India was celebrated with a vibrant cultural event organised by the cultural, literary and art clubs at IIT Jammu.



## ORGAN DONATION AWARENESS

IIT Jammu organised its first organ donation awareness program in collaboration with MOHAN FOUNDATION on 16 January 2019.

## MOU'S

IIT Jammu has signed MoU's with the following institutions to collaborate in Education, Internships and Research, jointly organize seminars conferences & workshops:

- Dhirubhai Ambani Institute of Information and Communication Technology.
- Council of Scientific and Industrial Research (CSIR), New Delhi.
- Foundation for Innovation and Technology Transfer, New Delhi.

## INTERNSHIP IN FRANCE

**Aakar Sharma** and **Akshit Kansra** got an opportunity to work with **Dr Akka Zemmari, Associate Professor at the University of Bordeaux, France** as research interns. They primarily worked on Vehicular Ad-hoc network and on implementing an algorithm in Tensorflow which aims to increase the Training stability of Deep Convolutional Neural Networks. This proved to be a successful programme which brought with it many learning opportunities.

## OUTREACH BY IIT JAMMU



**Machine assembling and Disassembling workshop**” by Dr. G. Balaganesan, Dr Vinod Kushwaha was organised for students of Government Girls Higher Secondary School Nagrota, on 3rd Dec 2018. 22 students from class IX to XI attended the hands-on session on disassembling and understanding everyday appliances. The workshop was coordinated by the H&SS faculty, Dr. Quleen Kaur Bijral, Dr. Varsha Singh and Ms. Ishita Mahajan.

## STUDENT ACHIEVEMENTS

## INTER IIT TECH MEET

IIT Bombay hosted the 7th Inter IIT Tech-Meet, from 18th to 20th December 2018,. The events ranged from ardent competitions, exhibitions, illuminating talks to exhilarating pro-nights that inspired and mesmerized the massive hordes that attended the Meet.

After 22 hrs at a stretch in the Coding Hackathon event, IIT Jammu brought home laurels. The team comprising **Vikas Gola(Team Leader)**, **Aakar Sharma**, **Pratik Parmar**, and **Atul Rai** earned the first position. The second and third ranks are bagged by IIT Bombay and IIT Delhi respectively.

## ZEITGEIST

**Prashant Kumar Sagar** bagged 2nd position in the extempore event in IIT Ropar's Cultural Fest, 'Zeitgeist'. Along with him, Shailja Sharma and Shubham Gaur represented the Literary Club of IIT Jammu in the Group Extempore Event.

**Parth Thakker** won in the Gaming event, FIFA, held at IIT Ropar.

## PANIIT AI HACKATHON 2019

PanIIT Alumni India was formed as an umbrella organisation to evolve a brand that would provide strong fraternity among the Indian Institute of Technology alumni. The vision behind creating PanIIT is to help IITs and IIT Alumni achieve their full potential and be counted among the best in the world.

The first PanIIT AI Hackathon 2019 aimed to promote Artificial Intelligence and Machine Learning among the wider community of software and IT professionals and showcase the talent among them. Two teams were selected from IIT Jammu. The team constituting **Kunal Parihar**, **Vivasvan Patel** and **Tabish Shaikh** earned 2nd place among 350 teams from other IITs.



## STUDENTS ACTIVITIES



HERITAGE VISIT TO MUBARAK  
MANDI PALACE & DOGRA ART MUSEUM



FRESHTIVAL NIGHT 2018



STREET THEATER AT  
WAVA MALL JAMMU



GUEST INTERACTION WITH  
MR SIDHARTH TULI



SWACHHTA PAKHWADA AT IIT JAMMU



CLOTHES DONATION DRIVE BY  
KRITASH, SOCIAL WELFARE CLUB  
OF IIT JAMMU



POWERPOINT PRESENTATION  
COMPETITION BY LITERARY CLUB  
IIT JAMMU



TEAM KINESIS READY FOR  
BAJA INDIA MAIN EVENT



NUKKAD NATAK AT  
RAILWAY STATION JAMMU

## WORKSHOPS AND GUEST TALKS

- **Digital signatures: An introduction and some applications** by Dr. Vishal Saraswat on 05th Oct
- **Android: An introduction** by Prof. Manoj Gaur on 12th Oct
- **Blockchain, Zero-knowledge and electronic voting** by Bimal Roy on 1st Nov
- **Data Obfuscation** by Debolina Ghatak on 23rd Nov
- **Language modelling (Natural Language Processing)** by Mohammed Hasanuzzaman on 25th Nov
- **Glimpses of the development of Algebra** by Dr Sudhir Ghorpade from IIT Bombay on 30 Nov
- **Talk on "Social Entrepreneurship"** by IIT Guwahati alumnus Anand Kulkarni on 12th Jan 2019

## Dr. Tanmay Sarkar

*"You only live once, but if you do it right, once is enough." --- Mae West.*

Dr. Tanmay Sarkar is an Assistant Professor in the Department of Mathematics, IIT Jammu. He obtained his M.Sc. and Ph.D. from the Department of Mathematics, IIT Madras. Before joining IIT Jammu, he carried out postdoctoral research at the TIFR Centre for Applicable Mathematics, and IISc, Bangalore. His research interest lies in partial differential equations and numerical analysis. He also likes to devote significant time in teaching. Besides several sports, his hobbies include reading novels and listening to music.



## Dr. Vishal Saraswat

*"Every sincere step towards realization is as sanctifying as the knowledge pursued."*

Dr. Vishal Saraswat received his Ph.D. in Cryptography from the University of Minnesota, Minneapolis, and has held regular and visiting positions at various institutions, including IIT Jammu, IIT Hyderabad, ISI Kolkata, University of Hyderabad, and AIMSCS. His research interests include anonymity and privacy in communication protocols, searchable encryption for the cloud-based services, lightweight cryptography for IoT devices, post-quantum crypto, active and passive cryptanalysis, and hardware security, topics on which he has published several papers in reputed international journals and conferences. He enjoys playing chess and solving puzzles.



## Dr. Ajay Singh

*"The true laboratory is the mind, where behind illusions we uncover the laws of truth."*

Dr. Ajay joined IIT Jammu as an Assistant Professor in the Department of Electrical Engineering in March, 2018. He holds a Ph.D. from IIT Delhi. Since then, he has gained teaching experience in various institutes of national importance like NIT Hamirpur and NIT Raipur. His research interests are in Communication Theory and Systems. He enjoys trekking to hills, fields and forests and listening to music.



## Dr. Quleen Kaur Bijral

*"Shiqwa na kar tu Muqaddar se, Muqaddar Azmata ja  
Na ja Manzil ki doori pe, kadam aage bharata ja."*

Born in the city of temples, Jammu (J&K), Quleen Kaur Bijral also known by the pen name Quleen O Queen is a budding novelist, columnist, a musician as well as a lawn tennis player by hobby.

As a writer, she recently released her maiden novel titled "The Witch Some Witch" published by Partridge India, a Penguin Company. A story of abuse which exposes the trauma, shame, and injustice suffered by a girl victim in the wake of an apathetic society. The novel, despite its bleak theme, sends a message of hope that as responsible citizens we can help each other to save the Future of us all.

As a columnist, she writes for the online media publishing house -The Logical Indian, while also submitting articles to the print news media- The Greater Kashmir and Daily Excelsior. What stirs her passion is the beauty of Urdu poetry. She has rendered music to the great poems of Allama Iqbal, Faiz Ahmed Faiz, Mirza Ghalib, Daag Dehlvi and Meer Taqi Meer.

## Dr. Anubha Jindal

*"Successful and unsuccessful people do not vary greatly in their abilities. They vary in their desires to reach their potential." – John Maxwell*

She joined IIT Jammu as an Assistant Professor of Mathematics in July, 2018. She obtained her Ph.D. and M.Sc. from IIT Delhi in 2016 and 2010, respectively. After her M.Sc., she has worked in Tata Consultancy Services Ltd., Haryana as a Systems Engineer. Before joining IIT Jammu, she has worked in MNIT Jaipur and IIIT Kota. Her research interests include Topological, Algebraic and Functional Analytic Study of Spaces of Functions and Approximation of Functions using Sequences of Continuous Functions. Besides devoting herself to teaching and research, she likes to spend time with her family, reading articles and listening to music.

Picture Courtesy - Photography Club, IIT Jammu

Editors of the newsletter :-

1. Meetu Kaur - 2018 batch, B.Tech in Chemical Engineering, enjoys photography.

2. Suyash Narkar - 2017 batch, B.Tech in Electrical Engineering, Plays video games and basketball in his free time.

