JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

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AnuNaad

JIIT Newsletter

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

(Declared "Deemed to be University" under Section 3 of UGC Act)
A NAAC Accredited and NIRF (MHRD) Ranked Deemed University

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International Conference on Contemporary Computing (IC3)

August 2-4, 2018

The Tenth conference in the series held annually at the Jaypee Institute of Information Technology (JIIT) and organized jointly by the hosts and the University of Florida, Gainesville, USA. It focused on topics that of contemporary interest to computer and computational scientists and engineers. IC3-2018 brought together researchers and practitioners from academia, industry and government to deliberate upon the algorithmic, systemic, applied, and educational aspects of contemporary computing. The conference focused on issues of contemporary interest in computing, spanning systems, Algorithms, applications, Industry & Education.

Keynote talks:

• Prof. Dinesh K Pai, Department of Computer Science, University of British Columbia, Canada gave a keynote talk on "Digital Humans: Science and Simulation".

• Prof. Laxmikant Kale, Paul and Cynthia Saylor Professor, Department of Computer Science,University of Illinois at Urbana-Champaign, USA gave a keynote talk on "Extreme Scale Computing for Computational Science and Engineering".

• Prof. Shamkant B. Navathe, Professor, College of Computing, Georgia Institute of Technology, Atlanta gave a keynote talk on " Perspectives on Database Systems and Research: the last five decades".

• Prof. Subhash Bhalla, IIT Delhi, India gave a keynote talk on "Extending Blockchains in Computing and Systems".

International Conference on Translation across Cultures, Dissolving Boundaries - Creating Harmony

October 4-6, 2018

The Department of Humanities and Social Sciences, JIIT, Noida organized a three day international Conference on Translation across Cultures: Dissolving Boundaries - Creating Harmony from October 4-6, 2018. In today's world, trade and translation are trying to dissolve boundaries and create harmony globally and it has been in vogue for the past few decades. We always describe translation in different metaphors as a vehicle, a means and a bridge between nations, bringing knowledge, wisdom and new modes of thinking to the receiving culture or unreviving tradition.

With this objective in mind the conference attempted to bring together various disciplines, multiple cultures and countries and diversified human minds under one roof. It sought to deliberate, discuss and channelize a broader vision of One World: Unique Culture - Lets Translate into Unified Universals. Accordingly themes were built around the academic disciplines of Literature, Language, History, Geography, Sociology, Linguistics, Arts, Media studies and Technology but all embodying the principles of Translating Cultures, Unifying Mankind.

Keynote talks:

• Prof. Sharmani Patricia Gabriel, University of Malaysia, Malaysia gave a keynote talk on "After the Original: Cultural Translation and The Other".

• Prof. V. Ganesan, Former Vice Chancellor, CIEFL & Professor Emeritus, Georgia State University, Atlanta gave a keynote talk on "Translation & Multi-cultural Competence: Indian Tradition & Experience".

• Prof. Sonjoy Dutta Roy, University of Allahabad gave a keynote talk on "Narratives Across Culture: The Oral and The Written".

National Conference on Optics and Photonics

November 2-3, 2018

Keynote talks:

- Prof. Ajoy Ghatak, Emeritus professor, Indian Institute of Technology, Delhi on "What is Light and Evolution of Quantum Theory".

- Dr. S. K. Varshney, Associate Professor, IIT Kharagpur on "Communication at all length scales".

- Prof. R. K. Sinha, Director, CSIO-CSIR. Central Scientific Instruments Organisation on "Ilustrious display of achievements of CSIO-CSIR and opportunities for youth".

- Prof. M. N. Reddy, Senior Scientist and Associate Director of Laser Science and Technology Centre (LASTEC), The Defence Research and Development Organisation, Delhi on "Outreach Teaching of Scientific Temperament to the Indian Youth".

- Col. H. S. Walia, Entrepreneur on "Team building and knack of resolving issues with incisive, analytical and interpersonal skills".

Expert Lectures

- "BIG opportunities for Biopreneurs" by Ms Aditikumar, Assistant BIG Manager, SIDBI Innovation & Incubation Centre (SIIC) IIT Kanpur and Ms Shreya Malik, Deputy Manager, Biotech Consortium India Limited on July 19, 2018.

- "Leadership Workshop" by Prof. Michael Leslie, University of Florida from July 19-22, 2018.

- "Design Thinking and Transversal Thinking" by Mr. Sumit Soni, Management Consultant on July 24, 2018.

- "Enterprise Resources Planning" by Mr. Rohatgi, Founder & CEO of NeemKaroli Consulting LLP and Mr. Shubh Narayan Singh, S3 Infotech Pvt Ltd. on August 04, 2018.

- "The Digital Disruption" by Commander KK Chaudhary (Retd), Executive Director - Group Head IT & GROUP CISO, Lanco Infratech Ltd. on August 08, 2018.

- "Entrepreneurship Skills Workshop" by Prof. S Suresh, Prof. Gopal Krishna Agarwal and Prof.   Rajnish Kumar Misra on August 21, 2018.

- "Employability Skills Workshop" by Mr. Shushank Ravi Arora and Ms. Shalagha Yadav, JBS, 2013-15 batch on October 06, 2018.

- "Advanced Spectroscopy solutions from Cole-Parmer" by Mr. Kalyanasis Pathak, Product Manager, Mr. Divesh Batra, Service Engineer and Mr. Deepak Soni, Sales Manager from Cole Parmer on November 15, 2018.

- "Prudent Financial Planning - Need of the hour" by Mr. Vivek Bharat, Mr. Akash Sharma, Ms. Rajshree Saha, Mr.Prakash Agarwal and Mr.Anuj from Kotak Life on November 20, 2018.

- "Importance of the intestinal microflora and role of probiotics in maintaining good health" by Ms. Jyoti Bohra, Sr. Executive-Science, Yakult Danone India Pvt. Ltd . on November 27, 2018.

- "Efficient Realizations of CNOT gates in IBM's Quantum Computers" by Prof. G. W. Dueck, Prof. Computer Science, University of New Brunswick, Canada on December 17, 2018.

- "Physics in Colonial India through the lens of Satyendranath Bose, MeghnadSaha and C.V. Raman" by Dr. Somaditya Banerjee, Assistant Professor at Austin Peay University, USA on December 18, 2018.

Faculty Development Program
Re-Imagining Computing: Engineering, Research and Education
July 04–10, 2018

In the last several decades, computational interventions have significantly impacted the physical, biological, psychological and social worlds. Computing has either transformed or has demonstrated the possibility to transform the workflows, workspaces and the fundamental nature of the work nearly in all domains of production and services. Researchers are formulating their research objectives regarding automation of such processes with respect to different types of data sources and forms to either redesign some chosen activities and/or spaces or even create new ones. Now the computer engineers' focus is to create intelligent machines that think, learn and act the way humans do and more importantly, function with autonomy. The democratization of technology is not just about access to technology – it's about solving the problems facing mankind that have never been solved before. Computing technologies like Artificial Intelligence, Cloud Computing, Big Data Analytics, Network Security, IoT, HCI, Machine Learning, etc. have started disrupting the traditional approaches in the areas of healthcare, business, education and agriculture. The focus of this FDP was to stimulate re-imagination and rethinking about the existing and futuristic technologies of computing, their applications, research and education.

Invited Talks:

• "The Holy Trinity: Blockchain, AI and Humans" by Mr. Aman Sanduja, Founder Towards Blockchain, Delhi.

• "Outlier Identification and Explanation with Application to Telecommunications Networks" by Mr. Vivek Kothari, Data Scientist, Big Data Analytics, Mobileum.

• "Impact of Advancements in Software on Education" by Mr. Nikhil Wason, Head, India Operations Stilt Inc.

• "State of Indian Startup ecosystem, their unmet needs from engineering point of view" by Mr. Ankur Saxena, Director, Grofers, Gurgaon, India.

Faculty Development Program

Innovative Teaching and Research
July 09-14, 2018

The objectives of this programme were:

• To broaden and enhance the teaching and research skills of the teachers by exposing them to appropriate skills pertaining to the teaching-learning process.
• To foster innovative teaching skills like case-study methods, role-play, blended learning, clipped class room teaching amongst teachers of higher education.
• To strengthen functional area of expertise and to focus on enhancing abilities to conduct research on topics of utmost relevance.
• To facilitate and foster the required changes in the existing teaching-learning paradigm in order to improve the quality of professional education.

Invited Talks:

• "Innovative teaching methods and Blooms " by Dr. Niva Bhandari, Assistant Professor, Business Communication and Coordinator - Corporate Communications at MDI Gurgaon.
• "Teaching and Research Opportunities and Challenges in the Era of Digital Humanities" by Dr. Virendra Singh Nirban, Faculty of Communication and Media Studies at Birla Institute of Technology and Science.
• "Open Education Resources - Search, Identification and application for Teaching Learning; MOOCs and Digital Scholarship" by Prof. Madhulika Kaushik, Deputy Vice Chancellor (Academic-ODL) at Wawasan Open University, Malaysia.

Mathematical and Statistical Computations
July 09-14, 2018

All over the world, human beings create an immense and ever-increasing volume of data with new kinds of data regularly emerging from science and industry. A new understanding of the value of these data to society has emerged with a new and leading role for statistics. In order to produce sensible theories and draw accurate conclusions from data, cutting-edge statistical methods are needed. These methods use advanced mathematical ideas combined with modern computational techniques, which further require expert knowledge and experience to be able to apply them appropriately.

National Workshop

Social Entrepreneurship Workshop
July 09-14, 2018
Jaypee Business School

Methods, Techniques and Analysis of Qualitative Research
September 06-08, 2018
Department: Humanities and Social Sciences

Design and Simulation of Microwave Devices and Circuits
Septmber 07-08, 2018
Department: Electronics and Communication

AI and IoT: Lead the Age of Sensor Technology
December 17-18, 2018
Department: Electronics and Communication Engineering

Big Data Systems, Tools and Applications
December 17-19, 2018
Department: Computer Science and Information Technology

Intelligent Systems Techniques and its Research Applications
December 20-22, 2018
Department: Computer Science and Information Technology

Photonic Design and Simulation Using Optisystem
November 13, 2018
Department: Electronics and Communication Engineering

Hands-on to Computational Biology for Genomic and Metagenomic Analysis
November 13, 2018
Department: Biotechnology
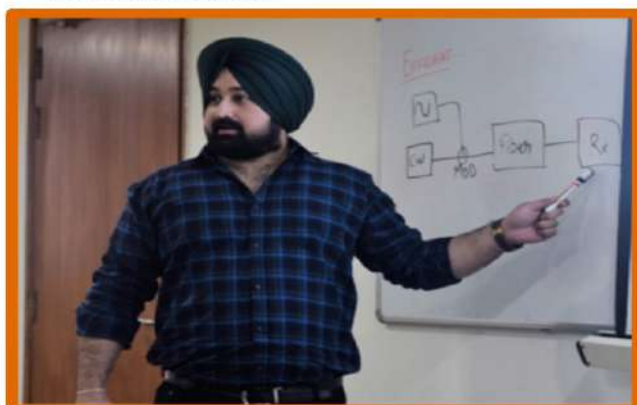
Data Science and Visualization Tools
November 15-17, 2018
Department: Computer Science and Information Technology

Current Aspects of Research Evaluation and Plagiarism
November 30-December 01, 2018
Department: Mathematics

Organization of Extension Activities

Learnings from outside the classroom are as important as class-room teaching for enhancing and enriching the student's overall performance and development. The institute strongly believes in providing opportunities to students for growth beyond the curriculum. Various extension activities were conducted throughout the semester, intended to improve their academic performance, increase their understanding in specific areas of expertise, meet their developmental needs, enrich their cultural and social experience and improve their organizing and management skills. A total of 232 events were conducted in campus, which is a huge increment from last academic year's events totalling at 159.

Jaypee Institute of Information Technology has been successful in conducting several technical/academic events each year with an aim to enable students to learn. Students have successfully participated in academic and technical events. Student branches like IEEE, Knuth and uCR have conducted various workshops and events to gather a crowd with similar ideas to boost learning. There were approximately 78 technical events conducted this year.

JIIT YOUTH CLUB (JYC) organises the annual cultural fest of JIIT, IMPRESSIONS. Students come together for a two day extravaganza and participate in fun filled activities including Mr. and Ms. Impressions, Voice of Impressions, Jaypee Innovation challenge and many more. Apart from the annual cultural fest, several cultural and extracurricular events were conducted by the student hubs like Radiance, The Thespian Circle, Jhankaar, Crescendo and Expressions at different times during the semester in collaboration with JYC. Some of the hub activities of Jaypee Youth Club are designed to infuse social awareness and responsibility among students. Initiatives taken by the students include simulation of United Nations committees to deliberate and debate over contemporary social and economic issues around the globe with feasible and implementable solutions; organizing blood donation camps; educating underprivileged slum children, children of construction labourers and street vendors around the Institute campus; collecting and distributing books, items of need, old clothes in neighbouring underdeveloped areas; teaching computer to under privileged children through NGOs; planting trees in and around the campus to name a few. Few student organizations have been formally registered as NGOs such as It's Our Earth, Support Foundation and start-ups such as Scrap Labs. These organizations provide items of need and consumables to underprivileged; create awareness by conducting workshops for such children on issues such as cleanliness, anti-begging, anti-drugs and importance of work; create sports and physical fitness awareness by giving them opportunity to participate in competitive events and also conduct activities to build logic and reasoning and enhance perceptual abilities of underprivileged children. Students collaborate with various NGO's off campus like Help Age, UMMED, Centre for education and Communication, National Association of Blind etc.

Hub Events and Performances

JHANKAAR
Garba Night: September 23, 2018

CRESCENDO
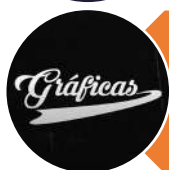Performance in Ebuillence'17: September 28, 2018
Performance in Joust'18: October 8, 2018
Unplugged: October 31, 2018

RADIANCE
Mr. and Ms. Ebullience: September 28, 2018

GRAPHICAS
Photoshop Workshop: September 11 - 12, 2018
Online Poster Making: September 29 – October 10, 2018

PAGE TURNER SOCIETY
Book Exchange: November 13, 2018

THE THESPIAN CIRCLE
Performance in IC3 Conference: August 02, 2018
Performance in Freshers'18: September 25, 2018

IEEE
Tech Blocks 4.0: August 17 - 22, 2018
Workshop on ALGO & DS: September 16, 2018
Tech Blocks 4.1: October 09, 2018

JIIT-OSA STUDENT CHAPTER
JSCOP'18 : November 02 - 03, 2018

CICE
Workshop: August 21 - 28, 2018
Voltz and Techbuzz: November 24 - 25, 2018

HUB ACTIVITIES

Hub Events and Performances

uCR

IOT Advanced Workshop: August 08 - 25, 2018

Wireless Workshop: August 17 - 25, 2018

Manual Workshop: September 14 - 23, 2018

Manual Event: October 5 - 6, 2018

JPEG

Clicks and Strokes: August 19, 2018

KNUTH PROGRAMMING HUB

Knuth classes for Noobs and Pros: August and September, 2018

Encode'18: September 15, 2018

Execute: October 29, 2018

PAROLA

All India Manthan: August 10, 2018

Joust'18: October 07 - 08, 2018

GAMING AND MULTIMEDIA

Workshop on Game Development: August 10, 2018

IOE

Slum Visit: August 02, 2018 and November 17, 2018

Tree Plantation: September 05, 2018

Quit Weed and Succeed: November 01, 2018

Light De Literacy

"The best way to find yourself is to lose yourself in the service of others."

Light de Literacy (LDL), a Non-profit Organization founded by students of ABES Engineering College, Ghaziabad is working for slum literacy for a brighter future of the Nation. Jaypee Institute of Information Technology, Noida along with other colleges in NCR lit the torch of education and came forward to contribute to society and established it's first literacy camp in 2017.

Founded by a team of 5-6 students, team LDL JIIT is now celebrating it's 2nd anniversary in 2019 with an overwhelming team size of 160+ humanitarians. LDL along with educating the children in slum areas also tackles issues like menstrual hygiene and has initiated the "She for She" campaign for the same. "She for She" aims to make girls/women in slum areas aware about menstrual hygiene and provides them with sanitary pads for free quarterly.

LDL also takes on the responsibility for regular health check-ups, cloth donation drives and the celebration of various festivals in the camps. LDL also organizes an annual sports meet where children from all the camps in the NCR take part. The meet consists of both sporting events as well as cultural performances.

The annual event of LDL "Pratibha Samman Samaroh" aims to felicitate the children who excel in academics or cultural activities. The idea behind Pratibha Samman Samaroh is to inspire children to work hard and come forward for building a better tomorrow for themselves.

The Thespian Circle

The Thespian Circle performed its street play "Ungli" for the sole purpose of creating social awareness among the people. The team stepped out of the college along with the new faces who made their debut and gave a perfect example of strength in numbers. The team got overwhelming response from the audience.

At the street play event of Maharaja Surajmal Institute of Technology, the Thespian Circle presented their street play "UNGLI". The play raised issues of Feminazism and gender discrimination. It also raised the concern of false accusations made by the women, in the name of feminism.

In the annual cultural fest of IIIT-Delhi, Odyssey, the Thespian Circle took part and performed their annual street production "UNGLI". The concept of the play was appreciated by every one. The play earned recognition for our college as well as the hub.

Continuing the tradition, the team performed a stage play at the biotech conference in our own college itself. The theme of the play was about a renowned scientist whose scientific advances change the society. The comic play revolved around the scientist's interview and his test subjects. The play got a great response from the audience.

Crescendo

Ebullience is one of the major gigs where Crescendo gets to and students from second year onwards get a chance to perform.

Tagged as the 'flagship event' of Crescendo, 'Unplugged' is hosted independently by the hub. It is an evening full of live performances and a DJ. Preparations for Unplugged start a month prior and the auditions are open to everybody. Students from JIIT - 128 also participate and the live performances build enthusiasm in the crowd.

As entertainers, Crescendo gets to perform at the closing ceremony of various conferences held in our college. On the occasion of the Father of our Nation's 149th birthday, Crescendo the music hub of JIIT, presented their love and respect for Mahatma Gandhi by performing his favourite Bhajans- Raghupati Raghav, Bande me tha dum and Vaishnav Jan. The ceremony was concluded with the National Anthem.

Radiance

RADIANCE presented the Mr. and Ms. Ebullience stage event during EBULLIENCE' 18. This event makes the freshers present themselves onstage with self confidence and dignity. It opens up future prospects of students through social and interpersonal skills to do something good for the society.
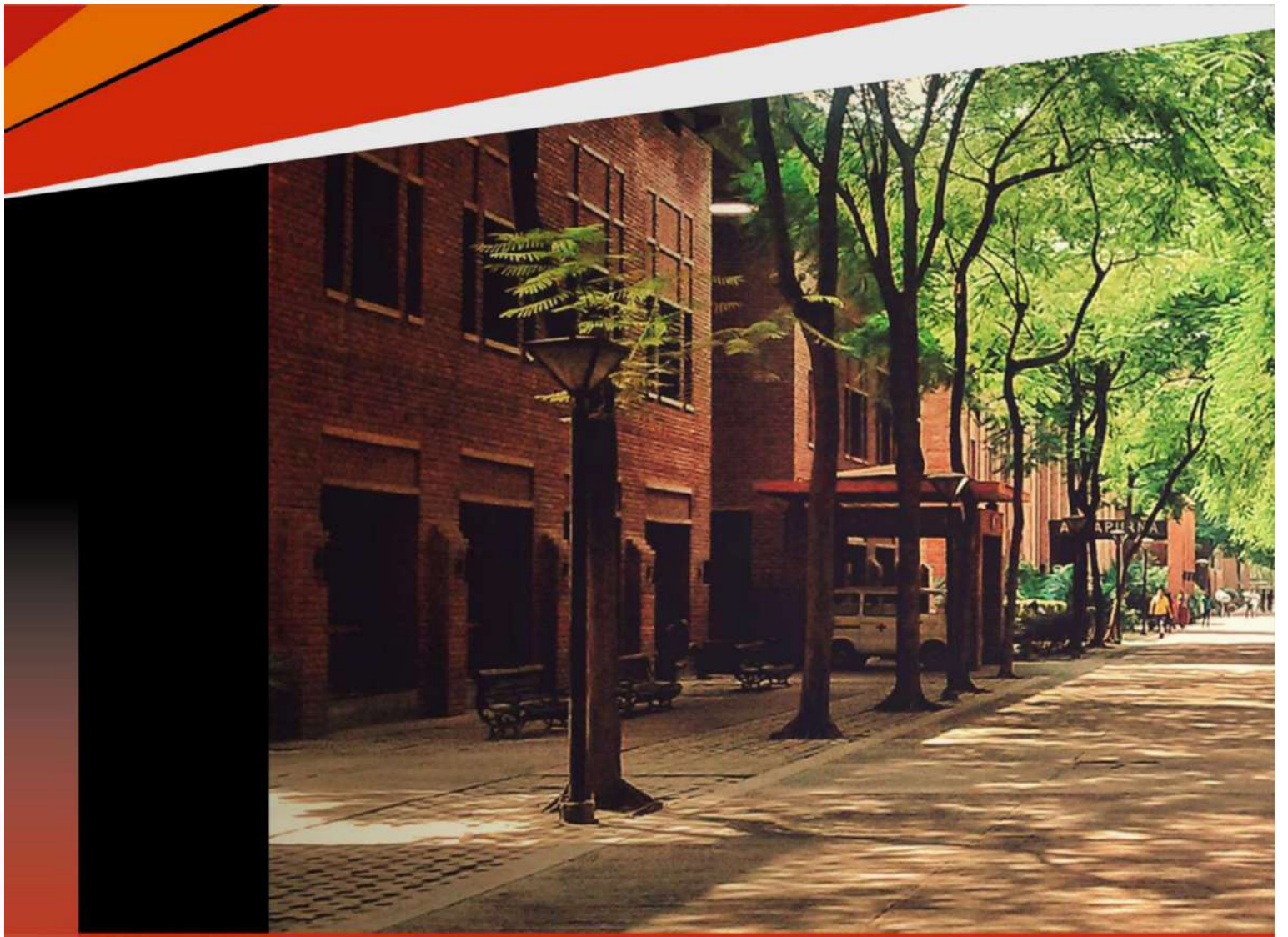
Parola

Joust 2018, the widely acknowledged literary carnival of JIIT was held on September 22-23, 2018. It hosted seven different events and witnessed a footfall of 500+ people. The literary gala saw participation from all the major colleges of Delhi NCR and rest of the country. The Joust constituted of a plethora of literary events that included debating, committee simulations, poetry, journalism and creative writing. Named after the historic form of martial game, the event firmly believes in the inexhaustible power of words. Joust, known for its quality and diversity of events is one of the rare events in the circuit that conducts Indian committees as well as one of the most beautiful poetry competitions. A two day debating competition named "Tarksangram" was introduced this year with a reputed running trophy. Joust 2018 surpassed all expectations and established itself as the most prestigious and awaited literary fest of the entire Delhi debating circuit. The events conducted, to name a few were:

1) Tarksangram- The highlight of the fest was the two day debate that ensured a proper battle of words on topics such as outrage culture, religion, politics and various ideologies. Twenty five of the best teams of the circuit participated in the debate with the winner walking away with the coveted trophy.

2) Inkspill- This was a unique concept based on fictional creative writing where the participants chose a fictional series and were supposed to write a fan fiction starting from the point in the story that was assigned to them.

3) The Press- Constituting of both journalists and photographers who were given assignments, the press ensured that the newsletter issued by the Joust maintained its quality as well as gave budding journalists, writers and photographers an amazing experience.

4) World War Crisis Committee- Joust is one of the rare events that hosted a crisis committee. The participants in this committee were given a crisis based around Myanmar during the World War 2 to test their interpersonal skills, knowledge, research abilities and presence of mind.

5) All India Political Party Meet- The participants were assigned a leader from a particular political party whom they represented while debating on issues pertaining to women and children of India.

6) United Nations Environmental Assembly- With the participants representing various countries, various environmental issues were debated upon and solutions were sought.

7) Slammed- A beautiful slam poetry competition that showcased poets coming from all walks of life.

JIIT YOUTH CLUB Sector-128

Fresher's orientation 2018

On this day, we welcome all the new entrants to JIIT Sec 128 campus. Each hub under JYC gives a presentation about the hubs functioning and achievements. At the end of the session, each student registers his choice of hub.

EBULLIENCE
(Fresher's Welcome Event)
(August 30, 2018)

Hosted by The JIIT Youth Club, Ebullience is an annual program organized for the newly enrolled students of JIIT Noida. It gives the new entrants a chance to showcase their talents in more ways than one. Ebullience has 6 major events under its umbrella. The Music Hub an entertaining start to Ebullience. Following it is the performance of the Dramatics Hub, known for its exuberant and lively personality. After that, the wildly infamous Hub of JIIT, VamUnique popular among colleges across Delhi/NCR, performs for the students. The Indian dance Hub is next in line giving a rather exuberant performance. They never fail to impress. Finally, the most anticipated and inarguably the most popular round of Ebullience is the Ramp Walk, where the gentlemen and ladies display their exceptional talent on the ramp. It consists of 2 rounds, the Ethnic and the Western at the beginning and at the end respectively.

JYC WEEK
(November 12-18, 2018)

November brings with it the JYC Week- a plethora of cultural and technical events within college. The week kick starts with the JIIT Youth Parliament organized by the Literary Hub- Eloquence. Dressed in Indian attire and armed with quick, verbal defenses; our aspiring engineers assume the roles of politicians for a day. Later during the week, the music Hub of the college organizes various performances and music battles. Our musicians can be heard practicing days in advance. But that's not it. We are engineers-to- be, after all. How could the JYC Week be complete without some technical events? Through the week, the geeks, coders and robotic enthusiasts seem to be the busiest, and also the most stressed/sleep deprived. Late night coding marathons are characteristic of Code Flux, organized by the programming hub of JIIT. Along with these, how could the Robotics wing stay behind? They, too, have their own events and competitions running through the week.To sum it up, the JYC week has something for everyone.

CONVERGE-2019 Launch Event
(November 23, 2018)

Converge is JIIT-128's annual technical-cultural-sports festival. The Launch event for converge is organized to make new students aware of the festival and motivate them to enthusiastically take part in the fest.

Fun Sports Meet

Perseverance and tenacity are often the foundational traits of success. When these are combined with dedication and teamwork, the result is outstanding. More than two thousand students of Jaypee Institute of Information Technology exhibited these very traits from November 14 – 26, 2018, contesting in the "Fun Sports Meet - 2018".

Together, they put on a spectacular display of hard work, skill, sportsman spirit and brilliant performance during FSM-2018. The meet was organized with great flamboyance by the students with the support of Jaypee Youth Club.

The event witnessed stiff competition throughout the 13 days that the sports meet lasted despite unfavorable weather conditions, which posed different challenges for the organizers as well. There were a total of ten sports activities of Cricket, Football, Volleyball, Basketball, Frisbee, Table Tennis, Chess, Pool and Snooker. A total of 2046 students submitted their registration forms for various sports. 79 Gold medals and 79 Silver medals were won during the sports meet.

The curtain came down on the event after a glittering Prize Distribution ceremony held in the auditorium. The honors were done by the honorable Vice Chancellor, Prof. S.C. Saxena. He praised the students for their participation and achievements while emphasizing the importance of sports in their lives.

Fun Sports Meet Winners

VOLLEYBALL

MAHEEP BHARGAVA	VISHITA BATRA
SANSKAR OMAR	ANUSHKA SHARMA
PANKAJ YADAV	GAURI SINGH
SIDHARTH TIWARY	SOUMYA SHUKLA
SAURABH GUPTA	SHEWTA LAL
SHREESH BHARADWAJ	RICHA AGARWAL
AKSHAY BATRA	DRISHTI MITTAL
SAANKHYA PAREKH	SAAVI VARSHNEY
	ABHISHEK KHARE

Frisbee

DARPAN JAIN
SANKHYA
SAURABH PANDEY
SKANDHA CHOUDHARY

Badminton

VAIBHAV ARORA
ANUSHKA SHARMA
VAIBHAV ARORA
SHIKHER TANDON
ANUSHKA SHARMA
GAURI SINGH

Snooker

PIYUSH SARASWAT

Pool

SHIVANSH SRIVASTAVA

Chess

SHIVANSH SRIVASTAVA

Fun Sports Meet Winners

Cricket

UTKARSH TRIPATHI	AAKARSH AGARWAL
HIMANSHU	MAHENDER RAWAT
ABHIJIT SINGH	ABHISHEK NEGI
SRIJAN SRIVASTAVA	SHIVAM SINGH
NIKUNJ CHAUHAN	SARTHAK KAPOOR
ACHINT CHAUHAN	SOURAV KUMAR
SIDDHART PACHORI	

Basketball

VRINDA GOYAL	KARAN SINGH NEGI
TANISHKA TYAGI	ANANT GOEL
ISHITA SHAKYA	MUKUL AGARWAL
SAKSHI GUPTA	VRINDA GOYAL
ISHSIRJAN KAUR	ANIMESH CHATURVEDI
BHAVYA BHARDWAJ	VARUN RAJ ARYA
NEELU GUPTA	RACHIT GUPTA
SHREY JOSHI	AYUSH GARG
SHIVAM SAPRA	

Football

ABHINAV TYAGI
RACHIT SHUKLA
SHLOK SAXENA
SARTHAK
VATSAL SINGH
SHASHWAT VERMA

Table Tennis

SHUBHAM KARPA
AARSHI SIROHI
KARTIK KEJARIWAL
SHUBHAM KARPA
ISHITA BATRA

NSS

NSS unit in collaboration with local administration have taken up the task of educating underprivileged children. A host of activities were conducted under this education campaign during the academic year. A Flash Mob and Health camp was organized by the NGO Robin Hood Army (RHA) in association with NSS on August 11, 2018. The student volunteers joined hands with RHA to organize the event. The main motive of the Flash mob was to spread awareness about Food Wastage. The flash mob took place in the G.I.P. Mall (Sector-18, Noida) where volunteers showcased spectacular performances. Understanding the importance of good health, a free medical health check-up camp for women was also organized in the slum cluster of sector- 77, Noida. The volunteers of NSS and Robin hood army started their campaign by contacting people of that area and then delivered health talks to educate them and provide information regarding proper health diet, hygiene, menstrual cycle, and prevention of diseases. They also educated them on the harmful effects of substances like tobacco and alcohol. A regular health check-up was performed, which included a general physical examination of women such as body weight, body mass index, blood pressure, menstrual cycle and pulse rate. These tests were performed by the volunteers under the guidance of professional medical workers. The camp got a very good response from the people, where approximately 50 women participated. The day concluded with the volunteers distributing biscuits and fruits to the children. More than 400 individuals participated in the event.

CAMPUS PLACEMENTS

Amongst the offers received, Highest Salary package of 40.63 Lacs was offered by Adobe-Developer. Seven Companies offered CTC between 18 & 31 Lacs which is a remarkable figure. Students of JIIT have a distinct advantage where in the reported placement period, they received placement scattered across 157 companies for B.Tech & M.Tech/Dual degree students and 29 companies for MBA students.

Some of the prestigious companies where our Engineering graduates have secured placements include: Adobe, Code nation, Interview bit, Roposco, OLA, Kronos, IBM, Amazon-SDE, SAP Labs, Godrej & Boyce, Infosys, HCL, Zycus, ICICI Prudential, Deloitte, Morgan Stanley, Naukri.com, Grail Research and many others.

Placement Highlights-
- Highest Salary – 40.63 Lacs by Adobe
- 17 Cos. with CTC between 10 & 40 Lacs
- 66 Cos. with CTC between 5 & 10 Lacs
- 74 Cos. with CTC between 3 & 5 Lacs

CAMPUS PLACEMENTS

PLACEMENT STATUS: B.Tech					
Branch	Total Participating Students	Total No. of Offers	% of Total Offers	Absolute offers	% of absolute offers
CSE	479	712	149%	459	96%
ECE	315	458	145%	295	94%
IT	50	74	148%	48	96%
BT	47	35	74%	31	66%
Total	872	1279	145%	833	93%

PLACEMENT STATUS: M.Tech& Dual					
Branch	Total Participating Students	Total No. of Offers	% of Total Offers	Absolute offers	% of absolute offers
M.Tech	13	4	31%	4	31%
Dual - CSE	29	50	172%	29	100%
Dual - ECE	16	21	131%	15	94%
Dual –BT	19	13	68%	13	68%
Total	76	88	114%	61	79%

PLACEMENT STATUS: JBS, NOIDA					
Specialisation	Total Participating Students	Total No. of Offers	% of Total Offers	Absolute offers	% of absolute offers
Marketing	28	27	96%	26	90%
Finance	11	10	91%	9	87%
HR	4	3	75%	3	86%
Total	43	40	87%	38	85%

STUDENT PROGRESSION

Several of our students from the departments ECE, CSE & IT, Biotechnology qualified the national level entrance examinations facilitating their admission for higher studies. A total of 206 students appeared in important nationwide competitive exams including GATE, CAT, UPSC & NET (CSIR). This is nearly double the number of students appearing for such exams during the past year, which stood at 103. A considerable number of students have appeared in competitive tests conducted internationally namely: GRE, IELTS, and qualified. Apart from prominent representations by the number of students qualified in national level exams, students also appeared/cleared other exams including: CDS (Combat Defence Services), IEO, IIFT, MAT, NMAT, XAT, CEED, TOEFL.
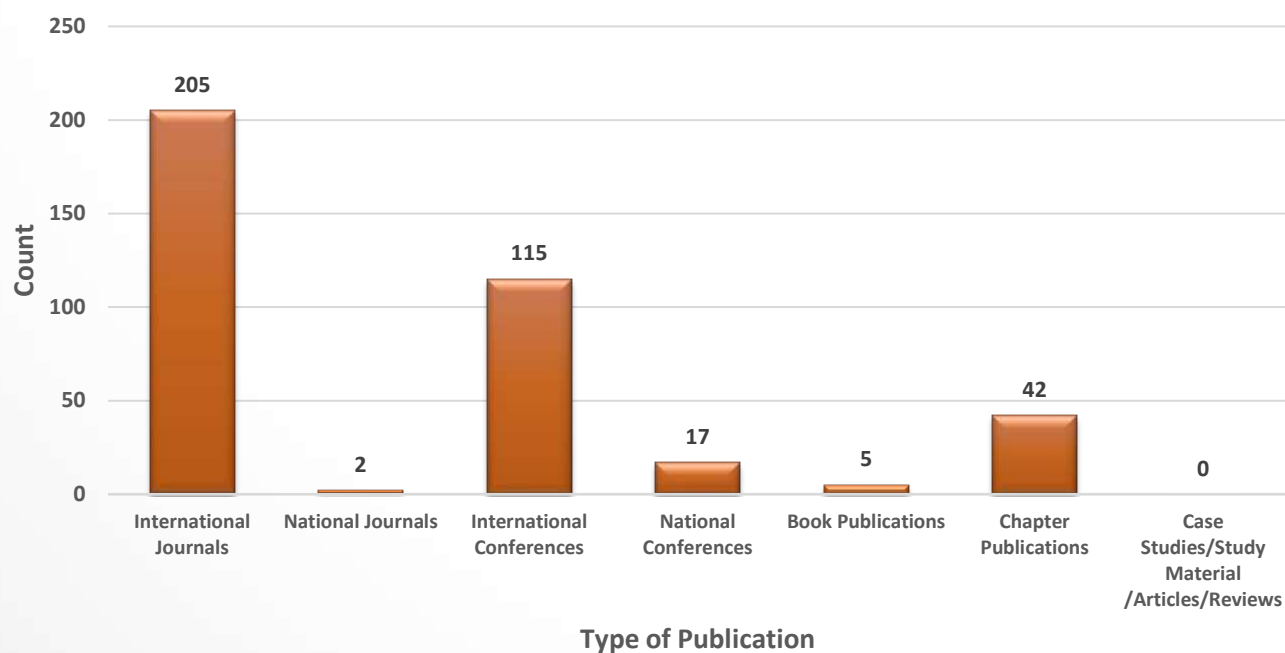
Many of our students proceeded for higher studies at prestigious National and International institutions of higher education. The specializations which students have moved into for their higher education, range from Data Science, Management studies, Medical Biotechnology, Process engineering, health care, Artificial intelligence and many others, indicating the varied expertise that our curriculum imparts during the undergraduate education. Some of the prominent institutions where our students have secured admission are listed below:

- Nitesh Kamboj, California State University, Los Angeles, Data Science
- Ankita Pathak, University of Wisconsin–Madison, Ottawa, Canada, Health System
- Shivank Tiwari, Arizona State University.
- Aniket Bhatnagar, NYU (Courant Institute of Mathematical Sciences)
- Siddhartha Dimania, University of Georgia – Franklin College of Arts and Sciences
- Vidhiwar Singh Rathour, University of Arkansas, USA, Artificial Intelligence
- Jatin Bajaj, NEU- Boston, Project management
- Rahul Upadhyay, Arizona State University- USA, Electronics & Mixed Signal Circuit Design
- Rachit Gupta, Syracuse University, Engineering Management.
- Nipun Mittal, IIT Bombay
- Naman Aggarwal, IIT Delhi
- Pooja Garg, Faculty of Management Studies, Delhi
- Ruchika Pathak, XLRI, Jamshedpur, HRM.
- Anshul, TISS, Hayderabad
- Tushar Verma, Monash University.
- Namit Rastogi, Infosys
- Shiwangi, DMS IIT Delhi
- Astha Sharma, NTT BRODCOM
- Nandita Aggarwal, BIMTECH- PGDM
- Siddaharthakhatariya, IMI Delhi
- Nityanshi, IIM Kashipur/Rohtak
- Vipul Aggarwal, IIT/IISc.
- Sasha Gulati, MS (Food Biotechnology), International
- Priyansh Srivastava, PhD (Environmental Biotechnology), National
- Mahender Singh Rawat, PhD/MS (Environmental Biotechnology), National/International
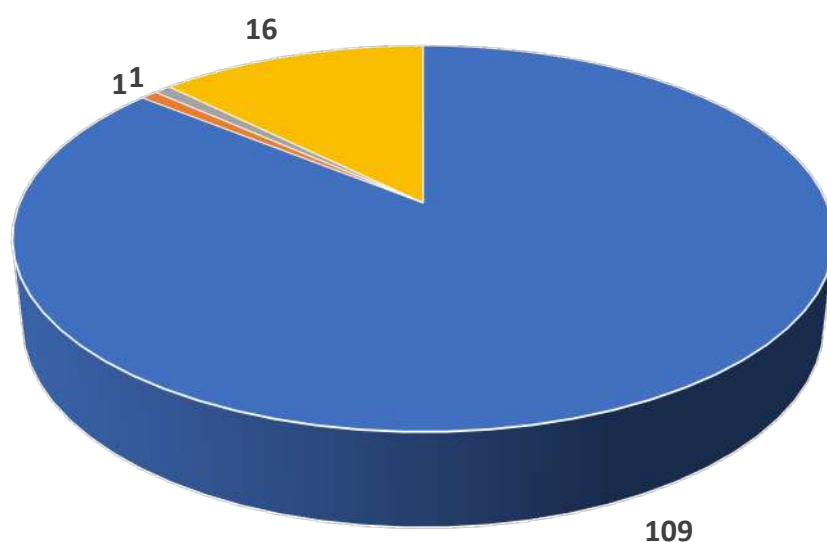
Publication Summary

Students and faculty of the Institute have published a large number of research articles in International and National repute journals and conferences. During the last academic semester, a total 207 journal articles and 232 conference articles have been published. Besides these research articles, five books have been published along with 42 book chapters be various national and international publishers.

Summary of Publications

Bar chart titled "Summary of Publications" with Count on the y-axis (0 to 250) and Type of Publication on the x-axis.

- International Journals: 205
- National Journals: 2
- International Conferences: 115
- National Conferences: 17
- Book Publications: 5
- Chapter Publications: 42
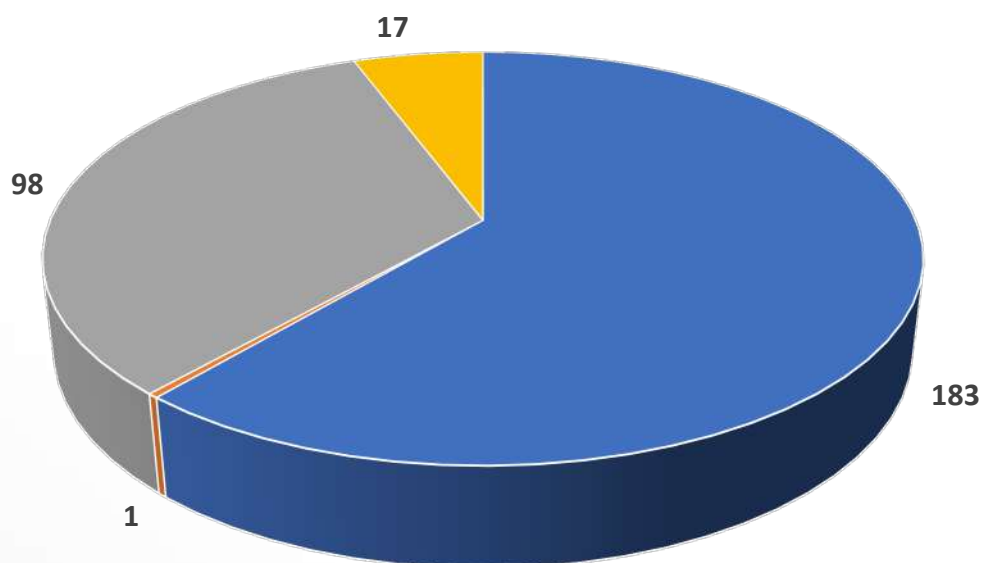- Case Studies/Study Material/Articles/Reviews: 0

Publication Summary

SCI/SCIE Publications

16

11

109

■ International Journals ■ National Journals ■ International Conferences ■ National Conference

Scopus Indexing

17

98

183

1

■ International Journal ■ National Journals ■ International Conference ■ National Conference

PUBLICATIONS

Food Production and Climate Change

Manoj Tripathi

Department of Physics and Materials Science and Engineering, Jaypee Institute of Information Technology, Noida

Climate change is often misinterpreted as global warming but it is not so. Global warming is the rise in temperature of the earth while climate change carries rising temperature as well as change in extreme weather conditions. Primarily climate change is caused by the emission of green house gasses which are continuously liberated into the atmosphere. These green house gasses are involved in the depletion of ozone layer exposing the earth to harmful UV radiation. Climate change also result in alteration of wild-life and habitat, rise in sea levels and many more serious impacts. We see many international level meetings, seminars and summits are organized on this topic. It is one of the rare subjects which have drawn attention of researchers, scientists, social workers, industrialists, economists and top leadership of different countries. Everybody around us knows the adverse effects of climate change and its implications. Countries have gradually started to admit the negative impacts of climate change and started to take initiatives to tackle this problem. Climate change produces and imbalance in earth temperature equilibrium and affects the human being and environment drastically. Hot sunny summers, chilly winters and changed precipitation patterns are the most visible effects of the climate change. Generally when we discuss climate change, we talk about the rise in sea level, deadly hurricanes, heavy and unusual rains, floods, drought and many more destructive phenomenon followed by the health issues which arise due to the climate change. However, there are many other impacts of climate change which have slowly and steadily encapsulated without getting noticed. Reduction in the food production is a very suitable example of this. Reduction in the food production is a significant issue related to the climate change. One of the impacts of climate change is the rise in earth's temperature which leads to the melting of the glaciers. These glaciers when meet to the ocean they destabilize the equilibrium of sea ecology posing an unfriendly effect on life cycles of the living beings in sea. The creatures living in the sea are badly affected due to the rise in the temperature. Moreover, with the glaciers reaching and meeting the sea, salinity of the sea water changes. Once the concentration of salts dissolved in sea changes, the complete ecosystem of the sea gets affected resulting in the negative impact on the growth of the species living in the water. Our oceans are getting more acidic with CO_2 absorption. CO_2 absorption is directly linked with the marine life. Warming of oceans, rivers and lakes will put an adverse effect on many species like fish. Some of the species have learnt to adapt with the situation, some have migrated to the high altitude oceans but there are many more species like fresh water fish are left with no place to go. Climate change also advocates the extreme weather conditions resulting in the floods, droughts or

hurricanes. It leads to the death of a large number of species which further break the food chain, causing a serious problem of food for many. The food crops have also been affected by the rise in climate change. However the reduction in the yield has been compensated with the technological advancements in the agriculture sector, still one cannot neglect the effect of climate change on food crop production. The quantity as well as the quality of the food crops has been reduced largely due to the climate change. With the ultraviolet rays along with many more harmful radiations having an easy access to the agricultural land and the food crops the product loses its nutrition value up to certain extent. Agriculture is largely dependent upon the weather. Based up on the combination of climatic conditions and the soil type, farmer decides what has to be grown in the field. Now with the changing weather conditions, this balance gets destroyed. It is difficult for the farmers to match with the unpredicted weather conditions and changing water supply patterns. These uncertainties offer a huge risk to the farmers. Furthermore, the changing weather also attracts the growth of many weeds, diseases and pests. Both of the above mentioned factors negatively affect the crop yield. Moreover, the changing average temperature of the earth also plays a critical role in the agricultural yield. There have been studies which conclude that the food crop yield reduces with the rise in earth's average temperature. Global surface temperature is reported to rise by 0.18°C/decade. This number may appear very small to us but it has a deadly effect on food crop yield. The rise in average daily temperature causes a lowering in the crop yields. Climate change also has changed the minimum and maximum temperature during a day which in turn affects the food crop yield. Studies on the food

crop yield have found that for southern Asian countries, yield of rice crop dropped by 31kg/ha/year, for wheat the drop is 25kg/ha/year and for barley it is expected to be reduced by 17kg/ha/year. Studies have further revealed that with the rise in earth's average temperature by 1°C, yield of rice goes down by 7%, while the grain yield decrease by 10%. There are reports confirming the direct linkage between the food crop yield reductions with the rise in earth temperature. Rise in average daily temperature causes a significantly large drop in the crop yields. This information is alarming and gives an frightening picture towards the seriousness of the issue The impact of the climate change on the food production however, is been undermined but the situation really deserve much more attention it is being given. Climate change affects the food crops as well as the fishes and other species living in ocean. Researchers around the globe should not only try to reduce the harmful emission so that climate change can be controlled but they must think a way out of the serious food production problem associated with the climate change.

References:
[1] D. K. Ray, et al., "Climate change has already likely affected global food production," PLoS one, vol. 14 (5), pp. e0217148, May 2019
[2] TS Peng et al., Rice yields decline with higher night temperature from global warming: Proc National Academic Science of the USA, July 6, 2004, 101 (27) 9971-9975.

New Entrants to the JIIT Family

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ANUJ KUMAR

NEW JOINEES

Mark Your Calender

International Conference
on
Advances in Biosciences and Biotechnology

January 31-February 02, 2019

International Conference
on
Recent Advances in Mathematical Sciences
and its Applications

January 17-19, 2019

International Conference
on
Photonics, Metamaterials and Plasmonics

February 14-16, 2019

International Conference
on
Signal Processing and Communication

March 07-09, 2019

Faculty Development Program
on
IOT and Embedded Device Security

February 13, 2019

Faculty Development Program
on
Advances in Network Modeling and
Optimization Techniques

June 03-08, 2019

Faculty Development Program
on
Robotics and AI

June 24-28, 2019

Summer School
on
Intelligent Internet of Things

June 24-July 06, 2019

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A NAAC Accredited and NIRF (MHRD) Ranked Deemed University