



International  
Institute of Information  
Technology Bangalore

**Newsletter**  
July 2019



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## From the Director's Desk



The month of July is important for IIITB, as our Convocation takes place on the first Sunday of every July and we welcome our new batches of students in the second half of the month traditionally.

We celebrated our 19th Convocation on July 7, 2019. This Convocation has been a special occasion for IIITB as its largest batch till date, comprising 277 students, graduated from its various postgraduate programmes. Dr. Ashutosh Sharma, Secretary, Department of Science & Technology, Government of India, was the Chief Guest and Mr. Anand Chandrasekaran, Ex-Director, Facebook was the Guest of Honour.

Thenceforth, the campus had been abuzz with activities, preparing for starting the Term 1 innings on August 1st. The newly admitted batch of students in M.Sc. and M.Tech joined on

17th July.

Apart from this, we had a couple of conferences at IIITB, namely "Disabilities Study Centre", notably attended by Dr. Swamy Manohar (Microsoft Research). IIITB also hosted the IEEE Conference CONECCT. We had some distinguished visitors too in the month of July. Read on for more!

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**HAPPY READING!**

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## Achievements

We congratulate **Anshul Gupta (IMT2014006)** for being the runner-up for the Poster Presentation titled '**Second Language Transfer Learning in Deep Semantic Models**' in SEAMLS-2019 event.

SEAMLS-2019 was a five-day event conducted from July 8 to 12, 2019 at Greater Jakarta, Indonesia where participants had the chance to learn more about the state-of-art in Machine Learning and Deep Learning.

More details: <https://sites.google.com/view/seamls/home>

**Pragyan Mohapatra (MS2018009)** has been selected for the **Intel Research Fellowship 2019** in July 2019. This one-year fellowship, sponsored by Intel India Pvt. Ltd. will support her thesis on "**Uncertainty analysis of LiDAR point clouds for enabling autonomous driving**". Her thesis is supervised by Prof. Jaya Sreevalsan Nair.

The paper titled "**Isolation-based Sub-Slices for Throughput Optimization in 5G Radio Access Network**" by Sharvari Ravindran, Saptarshi Choudhury, Jyotsna Bapat and Debabrata Das has been awarded as best paper in IEEE CONECCT 2019.



**Seconize, a startup co-founded by our alumnus, Shashank Dara** (Co-Founder and CTO), has been honored with the **prestigious Elevate 2019 award**. Besides, **Plugo, a startup founded by our alumni, Nawal Lodha and Nitin Rai**, has also been honoured with the **prestigious Elevate 2019 award**. It is an Idea2Poc grant scheme initiated by the Government of Karnataka.

## Campus News



**76th meeting of the Governing Body** was held on July 7.

The **19th convocation of IIITB** was held on July 7. In all, 277 students of various programs graduated from the campus on that day. The graduating batch comprised of 7 students with Ph.D. degree, 5 with Master of Science by Research degree, 162 with two-year M. Tech degree, 10 with M.Sc. in Digital Society degree, 60 with iMTech degree (Dual degree) and 33 with Sponsored M. Tech degree.

**Prof. Ashutosh Sharma, Secretary, Department of Science and Technology, Government of India, was present on the occasion as the Chief Guest. Mr Anand Chandrashekhan, ex-Director, Facebook, graced the occasion as the Guest of Honour.**

Medals were awarded to the following students in recognition of their excellence in academics as well as extra-curricular activities.



1. **Veerapuraju Dhanya Akhila (MT2017041)**, MTech student was awarded the **Institute Gold Medal**;
2. **Indu Ilanchezian (IMT2014024)**, an iMTech student, received **Institute Gold Medal, Sitaram Jindal Gold Medal** and **Sir M. Visvesvaraya Scholarship Award**;
3. **Dipanjan Saha (DT2017004)**, a student of MSc Digital Society, was awarded **Institute Gold Medal**;
4. **Reijul Sachdev (IMT2012036)**, an iMTech student received **Sir M. Visvesvaraya Scholarship Award**;
5. **Ahmad Shayaan (IMT2014004)**, an iMTech student received **Late Sri. N. Rama Rao Medal** for Student of the Year;
6. **Shreya Jayateerth Joshi (MT2017518)**, an iMTech student was awarded **Late Sri. N. Rama Rao Medal** for All-Rounder of the Year;
7. **Rajula Vineet Reddy (IMT2014045)**, an iMTech student received **Institute Medal for Contribution to IIITB Community Life** and
8. **Shyam KB (IMT2014050)**, an iMTech student received **Institute Medal for Contribution to IIITB Professional life**.







The **renovated Networking Communication Research Lab** was inaugurated on July 10.



The **Innovation Center was shifted to new space** on the first floor in Ramanujan Block on July 10.



IIITB held its **Third Graduation Ceremony for students who successfully finished the completely online programs** on July 12. Certificates were awarded for Post Graduate Diploma in Data Science (PGDDS), Post Graduate Diploma in Machine Learning & Artificial Intelligence (PGDMLAI), and, Post Graduate Diploma in Software Development (PGDSD). Pass Percentage was recorded to be higher than 85% among all the enrolled learners.

In total, 1094 students received certificates for completing these online programs offered by IIITB, in association with UpGrad. 864 students received PGDDS certificate, 187 received PGDMLAI certificate and 43 received PGDSD certificate. The ceremony was presided by Professor Rishikesh Krishna of IIM, Bangalore, ex-Director IIM Indore.



**New batch of M.Tech and M.Sc. Digital Society** joined on July 17.

The **second InDIITA Open Space Tech Workshop** was held on July 18 and 19. "Need for standards in rural connectivity", "Importance of sustainability of connectivity", "Privacy Vs economic efficiency in digital ID projects", "Impact of AI on cyber security", "Data protection and identity management". These were some of the topics discussed at the event, organized by the IEEE Standards Association (IEEE-SA). Besides, the workshop addressed the following issues:

- Securing affordable accessibility for disconnected communities within India
- Building a trust framework for protecting the digital persona



- Enabling the digital citizen's right to manage who, when, what and how they want to transact with other entities.

Also, "Self-Sovereign Identity (SSI)", "Blockchain Identity", "Biometrics", "Individual empowerment", "Verified domain names", "Decentralized identifiers (DIDs)", "Aadhar and non-aadhar identity systems", "AI Technology vs identity privacy" and "Standard for legal identities on the net" were some of the issues discussed at the two-day event.



IIITB hosted the fifth chapter of **IEEE CONECT**, an annual technical conference organized by IEEE Bangalore Section on July 26 and July 27. The theme of the conference this year encompassed electronics, communication, signal processing, and VLSI/embedded systems. The conference featured talks and scientific research papers by researchers and technologists across the country. The two-day event was focused on recent advances in the field of electronics, computing and communication.

Pre-conference tutorials on topics such as BlockChain, 5G Communication, and SoC Design for IoT were also organized on July 25. The event witnessed a number of researchers from across India who presented their work that included cutting-edge topics such as 5G communications, Artificial Intelligence, Machine Learning, Deep Learning and Internet of Things.



## Publication Including Presentations

The paper titled **"Validating The Myth of Average through Evidences"**, was presented by Dr. Prasad Ram at the 12th International Conference on Educational Data Mining held at Montreal, Canada, held during 2nd to 5th July 2019. The paper was co-authored by Praseeda (PH2016008) and Prof. Srinath Srinivasa.

The article titled **"Digital identity: Need a closer look at inclusion, trust, and agency"** by Mohammed Munir, IEEE India and Prof. V. Sridhar, IIITB has been published in Financial Express on July 12.

Prof. Chetan Parikh presented a paper entitled **"Multiply-by-n Switched Capacitor Amplifier Insensitive to Capacitance Mismatch"**, co-authored by Subash Chevella at the IEEE International Conference on Electronics, Computing and Communication Technologies, held at IIIT Bangalore, on July 26-27.

Alan Israel (IMT2015526) presented a research paper titled **"A dual threshold voltage modified dynamic power cutoff technique to consolidate leakage and speed in a VLSI subsystem"** in IEEE CONECCT 2019 conference, scheduled on 26th July. The authors of the paper are Sai Dheeraj Nadella (MT2017), Alan Israel (IMT2015526), Ganeswara Reddy (IMT2015), Prof. Nanditha Rao and Prof. Madhav Rao.



Prof. Madhav Rao presented a research paper titled "**Design of a Non-Invasive Pulse Rate Controlled Deep Vein Thrombosis Prophylaxis Lower Limb Device**" in 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society, scheduled in Berlin, Germany on 26th July. The authors of the paper are Vinay C K (IMT2015523), Vikas Vazhiyal (PH2016014), and Prof. Madhav Rao. The work is affiliated to SARL of EHRC, and MINRO centers at IIITB.

Prof. Brijesh Mishra published a paper titled, "**Influence of water on the CH<sub>3</sub>O + O<sub>2</sub> → CH<sub>2</sub>O + HO<sub>2</sub> reaction**" It is published in the journal Physical Chemistry Chemical Physics, 2019, 21, 15734 - 15741. The author list is: Subhasish Mallick, Amit Kumar, Brijesh Kumar Mishra and Pradeep Kumar



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P Surya (PH2015020) completed his State of the art seminar on "**Design of high performance pipelined ADC with error correction schemes**" on July 16.

Varsha P Suresh (PH2016013) completed Comprehensive Examination on July 17.'

Ramakrishnan Raman (PH2015010) completed his Oral Examination on "**Decision Learning Framework For Architecture Design Decisions Of Complex Systems And System-Of-Systems**" on July 17.

Reddy Rani Vangimalla (PH2016009) completed her state-of-the-art seminar on "**Correlation Analysis in Biological Datasets: Case Studies from Networks**" on July 26.

Sanjay V P (PH2015021) completed his State of the art seminar on "**ICT and Development, Indian Agriculture, Smallholder Farmers, Agricultural Markets**" on July 29.

Nikhila K N (PH2017013) completed her Comprehensive Examination on July 29, 2019.

## Faculty

Balaji Parthasarathy presented a talk titled **"Thinking institutionally about technology design for social inclusion"**, as an invited speaker at the Best of CHI 2019, sponsored by the ACM SIGCHI Asian Development Committee, and the HCI Professionals Association of India on 6 July, at IIT Bombay.

Prof. Srinivas Vivek **delivered two invited lectures at the National Instructional Workshop on Cryptology (NIWC-2019)** held at Manipal Institute of Technology, Manipal, during 8th-10th July. The lectures were on **cryptographic engineering and homomorphic encryption**.

Prof. Sujit Kumar Chakrabarthy attended SERI (Software Engineering Researchers of India) update meeting held at CSA department IISc, Bengaluru during July 12-13 and presented a talk on **"Automated Evaluation of Programming Assignments -- Some Experiences"**.

Prof. V. Sridhar co-chaired **Digital, Inclusion, Identity, Trust And Agency: India (InDIITA) workshop** of the IEEE Standards Association held during July 18-19 at IIITB.

Prof. Jaya Sreevalsan Nair **served in the faculty selection panel at the Narsee Monjee Institute of Management Studies, Bangalore, as an external expert** for the "Analytics" area, on July 23.

Prof. Jaya Sreevalsan Nair is a **collaborator in a project sponsored and implemented** at the Azim Premji University, Bengaluru, along with Prof. Sindhu Mathai. Dr. Sindhu Mathai, Assistant Professor, School of Education, Azim Premji University is the Principal Investigator. The project is titled as **"Understanding graphical literacy: Implications for pedagogic practices and material development"** and has been sanctioned for the period July 2019-January 2020.

Prof. Sridhar was **inducted as a member of the Technical Evaluation Committee of e-Procurement 2.0 project of the Centre of e-Governance, Government of Karnataka** from 16th April 2019; The committee is chaired by Prof. S. Sadagopan, Director, IIITB.

Balaji Parthasarathy delivered a lecture on **Technology and Urbanism at Conscious Bengaluru's Urban Unraveling and Utopia Symposium** held on July 27.

### Late Reporting

Prof. Jaya Sreevalsan Nair served as an external examiner for pre-Ph.D. examination at NIMHANS on June 24.

## Visitors

July 3: Delegates from NIMHANS & Government of Karnataka MHMS Team

July 10: Prof. Dr. Carsten H. Hahn & Prof. Dr. Christian Braun, University of Applied Sciences, Karlsruhe

July 12: Dr. Swamy Manohar, Director, Microsoft Research

July 15: Dr. Nachiket Mor, National Director, Bill and Melinda Gates Foundation

July 16: Dr. Rajinder Gandotra, Founder and CEO, Avekshaa Technologies.

July 17: Mr. Anurag Moudgil, IIITB Alumnus

July 17: Mr. Omprakash Subbarao & Mr. Naveen Jacob, Sonata Software Ltd.

July 18: Dr. Ganesha, CII

July 23: Dr. Sandhya Chintala, Executive Director, NASSCOM



July 31: Prof. Aniruddha Desai, Asian Smart Cities Institute, La Trobe University & Victoria Government Trade and Investment Bangalore

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## Campus Calendar for August 2019

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August 15: Celebration of 73rd Independence Day

August 19-20: Workshop titled "Making Math Count"

August 21: 2nd edition of Bangalore on IT



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