



Profs. T. K. Srikanth, Amit Prakash, and Jaya Sreevalsan Nair. Profs. Madhav Rao, Subajit Sen, Neelam Sinha, and G. Srinivasaraghavan are working on many of these projects. One of our joint work, PUSH-D (a mobile App to help people with psychological problems) has been making front page news in "The Hindu." We expect many more exciting developments on this front, with the MoU in place. Yet another partnership is the one proposed by Central University of Rajasthan. This partnership is being coordinated by Prof Amit Prakash. Overall, the Institute was winding down for the semester

Symbiosis School

Campus News

Prof. V. N. Muralidhara took charge as Coordinator of the Sponsored M.Tech. Program with Samsung, on December 1. Prof. S. Rajagopalan is the outgoing coordinator. One hundred students and twenty teachers of various Navodaya Vidyalayas located in South India (Southern Region Schools) visited IIITB on December 2. The visit was an event organised as part of National Science Congress. The students visited the various

The Directors of IIITB and NIMHANS (National Institute of Mental Health and Neurosciences, an institute of national importance) signed a Memorandum of **Understanding on December 5**, at the NIMHANS Bengaluru campus to take forward their ongoing collaboration on joint research activities. Over the past couple of years, especially, after the establishment of the E-Health Research Centre (EHRC) at IIITB, a number of joint research projects involving the design of specialized IT applications, neuro-prosthetics, and other medical devices, animal research etc. have been undertaken by faculty members from both the Institutes. The MoU seeks to further strengthen institutional commitment towards joint scientific research and academic program between IIITB and NIMHANS. In addition to the Director and the Registrar, Profs. T. K. Srikanth, Amit Prakash, Madhav Rao, Subajit Sen, and G. Srinivasaraghavan represented EHRC at the event.

'Decoding the Digital', a 3-day Winter School, was held at IIITB during December 12-14. It was organized by Centre for IT and Public Policy (CITAPP) and supported by Tata Consultancy Services. The main themes were **Smart Cities** and **Social Media**. Several students, professionals and academicians from all over the country participated. Positioned at the intersection of social science and information technology, the winter school provided a sneak peek into interdisciplinary perspectives to understand different aspects of the emerging digital society. It drew upon IIITB's research in the area of IT & Society and its pioneering Masters Programme in Digital Society. The Winter School program consisted of lectures, interactive discussions, video screenings and group activities. Besides IIITB faculty members, few sessions were held by guest speakers such as, Hasit Kaji (Digital Impact Square, TCS), Sruthi

Krishnan (Fields of View) and Kiran Jonnalagadda (HasGeek). At the end of the 3-day program, the participants presented a poster on a specific aspect of the digital society discussed around the two specific themes. More details about the workshop can be

http://citapp.iiitb.ac.in/news-and-events/conferences-workshops/the-winter-school-

For photos: https://goo.gl/photos/q4vvGpUXPLbQRnvPA



The 2nd batch for IIIT Bangalore's new online program, the 11-month PG Diploma in Data Analytics, in collaboration with UpGrad starts in March 2017. For more details,

The paper titled "Designing Item Banks in Alignment with Course Outcomes for Engineering Courses" by Shilpi Banerjee (PH2012002), Prof. N. J. Rao and Prof. R. Chandrashekar was presented at IEEE Technology for Education Conference, IIT

The paper titled "OAES: Scalable and Secure Architecture for Online Assessment and Evaluation System" by Prof. R. Chandrashekar, Shilpi Banerjee (PH2012002) and Prof. N. J. Rao was presented at IEEE MOOC's Innovation, Technology in Education Conference, TCE,

The article titled "'Design logic in digital, less-cash age needs reality check" by Prof. Amit Prakash has been published in the Deccan Herald in its op-ed page on

http://www.deccanherald.com/content/586119/design-logic-digital-less-cash.html

The article titled "The changing face of Indian IT" by Prof. V. Sridhar has been published

The paper titled "A Dynamic Scheme For

User Load Balancing in a Multi-Carrier

LTE-advanced Network" by Irfan Baig

(PH2008903) and Prof. Debabrata Das.

(MS2014004), Saptarshi Chauduri

http://www.iiitb.ac.in/programs.php?pid=PG-Diploma---Data-Analytics

Publication Including Presentations

Bombay, Mumbai during December 2-4.

Madurai during December 9-10.

The article can be accessed at

December 12.

Several papers and a poster were accepted and presented at the 13th International IEEE India Conference (INDICON) 2016, held at IISc during December 16-18. The

conference 2016, IIT Guwahati held during December 18-22. Gopika also presented her Ph.D. progress in the Doctoral Symposium organized by ICVGIP 2016. Title of the presentation was "Generalized

The Article titled "2017 outlook: The Top Five technology and business trends for India" by Prof. V. Sridhar and Prof. T. K. Srikanth has been published in Your Story on

Prashant K. Wali (PH2012005) and Debabrata Das, "Optimal Time-Spatial Randomization Techniques for Energy Efficient IoT Access in LTE-Advanced",

Parthiban A. (PH2016007), Jyotsna Bapat and Debabrata Das, "Constellation Constraining-Based Coverage Enhancement Technique for MTC Devices in LTE-A", IEEE Wireless Communication Letter, Volume: 5, Issue: 6, pp 596-599, December 2016.

Prashant K. Wali (PH2012005) and Debabrata Das, "Enhanced-Power Saving Semi-

Even universities fail to make NAAC's high grade, only Nehru centre bags A++

http://www.businesstoday.in/prnewswire/index.jsprkey=20170103enIN20170103759

• http://techcircle.vccircle.com/press-releases/rkey=20170103enIN201701037597

http://www.vccircle.com/releases?rkey=20170103enIN201701037597indiapublic

Announce-the-Largest-Initiative-to-Build-Awareness-on--Data-Analytics---A-Career-

• http://businesshighlights.in/prnewswire/?rkey=20170103enIN201701037597 indiapu

Prof. Amit Prakash delivered the keynote address titled, "Impact of Net Neutrality on Digital Society/India," at the 'National Seminar on Net Neutrality and Free Data for Making Digital India' organized by the Makhanlal Chaturvedi National University of

• http://www.ptinews.com/pressrelease/22065 press-subIIIT-B-and-UpGrad-

Persistent Scheduler for VoLTE in LTE-Advanced", IEEE Transaction on

Communication, Vol. 15, No. 11, pp 7858-7871, November 2016.

• Winter school gives tips on smart cities, social media

of-the-Future---Reaching-out-to-Over-30-000-Profe

Journalism and Communication (MCNUJS), Bhopal on December 3.

Accepted in December 2016, IEEE Transaction on Vehicular Technology.

December 27. This is also a pre-event article for Mobile India 2017

https://yourstory.com/2016/12/2017-outlook-business-trends/

http://ieeexplore.ieee.org/document/7556315/

/http://ieeexplore.ieee.org/document/7565559

IIITB In Media

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<u>_indiapublic&filter=2034</u>

<u>&filter=5485</u>

blic&filter=7053

Faculty and Staff

the Conference of Indian Association of Paediatric Surgeons -State Chapter on December Balaji Parthasarathy, with Yuko Aoyama (Clark University), co-authored the book "The Rise of the Hybrid Domain: Collaborative Governance for Social Innovation". The book was published by Edward Elgar and released in December 2016. For more details, see: http://www.e-elgar.com/shop/the-rise-of-the-hybrid-domain

Ms. Ramadevi participated in the Year-end LIS Meeting on "Newton's first Law of Librarians: Pushing the Libraries to the future" organized by LIS Academy in collaboration with Department of Public Libraries, Government of Karnataka, on December 31.

Srishti Institute of Art, Design and Technology on December 21.

Balaji Parthasarathy delivered the keynote address titled "Social innovation: Exploring new institutional and process design for 'wicked' problems" at the workshop on Smart Cities, Big Data, the Internet of Things, and Digital Rights, at the

& INNOVATION

discussion

Innovation

Road, Bengaluru.

December 9: Mr. Harish Boya, Research Associate [Digital Identity in Emerging Markets project, Faculty supervisor: Prof. Janaki Srinivasan) **December 12:** Dr. Saurabh Srivastava, Post-doctoral Researcher [Faculty mentor: Prof. Brijesh Kumar Mishra] Academic Milestones December 21: Thesis Oral Examination by Sumant Kulkarni (PH2013009) on "Mining Labeled Semantics Across Terms And Documents In User Generated Text Corpora"

December 1: Ms. Parvathy, Research Associate [CITAPP, Faculty supervisor: Prof. Amit

December 12: Prof. Mohan Krishnamoorthy from Monash University December 14: Mr. Gopala Krishna, MD, Maxim

January 2: Term 2 started

Campus Calendar for January 2017

in December. You will find more details in this edition of IIITB Newsletter. Let me use this opportunity to wish each and every member of IIITB family a great New Year 2017 ahead! ------HAPPY READING!------

Media Events

MEMORANDUM OF UNDERSTANDING BETWEEN NATIONAL INSTITUTE OF INTERNATIONAL INSTITUTE OF MENTAL HEALTH AND NEUROSCIENCES (NIMHANS) INFORMATION TECHNOLOGY BANGALORE (IIIT-B)

The **54th Senate Meeting** was held on December 14. **IIITB & UpGrad Industry Conclave** event was held on December 17.

The same can be accessed at: http://www.financialexpress.com/opinion/indian-it-undergoes-transformation-as-nimblerstartups-take-over-from-larger-rivals/474732/

Gopika Gopan K. (PH2014003) presented a paper titled "Distribution Based EEG Baseline Classification" co-authored by Prof. Neelam Sinha and Prof. Dinesh Babu Jayagopi at MedImage workshop, ICVGIP

The paper titled "Automatic Prediction of Fluency in Interface-based Interviews" by Sowmya Rasipuram (PH2014008), Pooja Rao S. B. (MS2015009)

The paper titled "Restaurant Attribute classification using Deep Learning" by Pawan Dhananjay (IMT2012014), Daksh Varshneya (IMT2012012) and Prof. Dinesh

The paper titled "QoS Aware Downlink Scheduler for a Carrier Aggregation LTE Advanced with Efficient Carrier Power Control" by Saptarshi Chauduri

The paper titled "Efficient Algorithm for Less Power Consumption in Extended-Coverage-GSM for Low Data-Rate IoT Devices" by Saahithyan Radhakrishnan

The paper titled "A Low Cost Personalised Robot Language Tutor with

Capabilities"

by

Meghana

(PH2008903), Irfan Baig (MS2014004) and Prof. Debabrata Das.

(Samsung), Samir Kumar Mishra(Samsung) and Prof. Debabrata Das.

Interaction

Jaya Sreevalsan Nair was the external thesis examiner for the thesis on "Realistic Simulation and Rendering of Corroded Objects," by Ms. Nisha Jain, Department of Computer Science and Engineering, IIT Delhi. The thesis viva voce was on December 12 in Prof. Amit Prakash was invited to deliver a talk on "Qualitative Research in Management/Information Systems" during a Quality Improvement Program (QIP) organized by the Institute of Management, Christ University on December for its faculty members on December 14. Prof. Amit Chattopadhyay gave an invited talk on "Topological Data Analysis" at Centre for Artificial Intelligence and Robotics (CAIR), Bengaluru on December 15. Prof. Debabrata Das was the General Chair of the 13th International IEEE India Conference (INDICON-2016) during December 16-18. Prof. K V S Hari, General

CoChair, of ECE, IISc was the General CoChair. Profs. Muralidhara V. N., Madhav Rao, and Neelam Sinha were the Technical Program Committee (TPC) co-chairs. The other co-chairs were Prof. G. Narayanan (IISc), Prof. Radhakant Padhi (IISc), Mr. Puneet Mishra (ISRO) and Dr. Sajal Das (Intel). At INDICON-2015, 1180 papers were submitted, where 224 were accepted for oral presentations (presented over 35 tracks)

Prof. Shrisha Rao participated in a panel

Machines, People & Processes: How to

Deliver the Next Generation of

Manufacturing at the Disruptive Tech &

"Techno-Optimism: New Thinking In The

Age Of Futuristic Technologies," on

December 20, at Vivanta by Taj, M.G.

Connecting

Summit with the theme

Data,

on

Students (Bengaluru). This is a 2 week program from Dec 29 - Jan 11. The program, which was attended by 25 selected students, presented upcoming research in brain science,

informing the students of new avenues for interdisciplinary research.

There are new faces and roles on campus. Details of their joining:

December 2: Mr. Vaitheeswaran, startup mentor and founder-CEO - IndiaPlaza

December 9: Mr. Dominic McAllister, British Deputy High Commissioner to Karnataka.

December 19: A team from Continental Automotive GmbH, headed by Dr. Vivek

Achievements Indu Ilanchezian (IMT2014024) has been selected for the Adobe Research Women-In-Technology Scholarship Honorable Mention for the year 2017. The award, worth USD 2,000/-, also includes a Creative Cloud subscription membership for one year; and mentorship from an Adobe Researcher. This award is quite competitive, where last year winners includes recipients from universities such as CMU, Stanford, Georgia Tech. Bhargav Sridhar (MT2015093) and Pradeep (MT2015077) won the Table Tennis **Doubles at the Origins Cup** organized by the Sports and Adventure Club of Communication, Bengaluru held during December 11- 12.

laboratories of IIITB and they had interactive sessions with Profs. S. Sadagopan, Debabrata Das, Jyotsna Bapat and R. Chandrashekar.

Final examinations of Term I (2016-17) were conducted during December 5-10. The term break was during December 11-31.

found at:

decoding-the-digital/

Announcements

please click:

in the Financial Express on December 15.

papers will be shortly published in IEEEXplore.

The contributions are:

and Prof. Dinesh Babu Jayagopi.

and

EEG Classification Framework".

The same can be accessed at:

Babu Jayagopi.

Perceptual

(IMT2013026) and Prof. Dinesh Babu Jayagopi, which has been accepted as a poster.

Prof. T. K. Srikanth made a presentation on "3D Printing and other applications of IT" at 10. the department.

and 95 for poster presentations (6 tracks).

EINNOVATION SUMMIT

SISRUPTIVE TECH:

Prakash]

Kumaresh Krishnan (IMT2013021) was selected for the 'B4 Young Scientist Development Winter School' conducted by Harvard University (USA) and IBAB

Campus Visitors

Venkobarao and Mr. Ganesh S. Ra

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January 2: Master of Science by Research and Ph.D. new batch admission January 4: Joining of the 4th batch of Sponsored M.Tech. students from Samsung January 9: Add/drop date for course registration

Inside this Issue FROM THE DIRECTOR'S DESK • ACHIEVEMENTS CAMPUS NEWS CAMPUS CALENDAR FOR JANUARY From the Director's Desk "New Partnerships" was the theme for December. The highlight was the formal signing of MoU with NIMHANS an Institute of National importance. The MoU was the outcome of a number of joint projects between several departments of NIMHANS and our EHRC, coordinated by