

bitscan

Hyderabad Campus



Visitors



Dr Jayaprakash Narayan, President - Loksatta Party



Mr Tom Gregory, Managing Director of Credit Suisse and Head of Markets Risk Models and Methodologies



Dr M K Goel, Head and Co-coordinator, National Institute of Hydrology, Roorkee



Padma Vibhushan Jayant Narlikar, Professor Emeritus at the Inter-University Centre for Astronomy and Astrophysics (IUCAA)



Prof Ajit Rangnekar, Director General, RICH & former Dean, ISB, Hyderabad



Prof Paul Howard Walton, University of York

Confluence of Academic Ideas, Intellect and Information

Seminar on 'Mathematical Research'

The Department of Mathematics organized the Mathematical Research Seminar Series, in association with the Mathematics Department, of IIT Hyderabad on March 17, 2018. This will be conducted twice a year.



Seminar participants

Boot Camp on 'Pulsar Astrophysics'

The Department of Physics organized a national level event on Pulsar Astrophysics in association with Tata Institute of Fundamental Research, Mumbai. A four-day uGMRT boot camp was held on January 3-6, 2018. The boot camp involved introductory lectures on various aspects of Pulsar Astronomy and provided hands-on training for analyzing uGMRT pulsar data by experts from renowned research institutes of India.



Boot camp participants

The boot camp was followed by a workshop on 'Multi-Wavelength Neutron Star Astronomy' from January 7 to 8. The workshop brought together leading scientists, both observers and theoreticians, working on neutron star, pulsars and gravitational waves. The workshop focused on Multi-Wavelength Neutron Star Astronomy, achievable with Indian facilities such as ASTROSAT, uGMRT, Ooty Radio Telescope, Devasthal Optical Telescope and LIGO-India. Dr Sarmistha Banik was the local-coordinator from BITS Pilani, Hyderabad Campus.

Workshop on 'Characterization and Modelling of Magnetic Materials'



Workshop participants

The Department of Physics organized a workshop on 'Characterization and Modelling of Magnetic Materials', jointly with 'Magnetics Society of India' on July 13-14, 2018. There were 50 participants, which included both faculty members and research scholars from many institutions from all over India, at the workshop. Ten experts, including two from the Department of Physics, BITS Pilani Hyderabad Campus, delivered lectures during the two-day workshop.

Workshop on 'Data Mining and Soft Computing Techniques in Civil Engineering'

Centre of Excellence in Water Resources Management, Department of Civil Engineering, BITS Pilani, Hyderabad Campus, organized a workshop on Data Mining and Soft Computing Techniques in Civil Engineering, on April 13-14, 2018. The total number of participants was 43. External experts included Prof D Nagesh Kumar, IISc., Bangalore; Dr Nagesh B Sristy, IDRBT Hyderabad. In addition, a number of experts from BITS Hyderabad also delivered lectures during the workshop.



A session, by Prof D Nagesh Kumar, in the workshop on data mining and soft computing techniques in civil engineering

Workshop on 'Reservoir Simulation Using NIH_ReSyP'

Centre of Excellence in Water Resources Management, Department of Civil Engineering, BITS Pilani, Hyderabad Campus, and National Institute of Hydrology, Roorkee (A Govt. of India Society under Ministry of Water Resources, River Development and Ganga Rejuvenation) jointly organized a five-day training workshop on 'Reservoir Simulation Using NIH_ReSyP' from June 25 to 29, 2018. Twenty officers participated. Dr SK Jain, Director, National Institute of Hydrology, Dr MK Goel (Scientist G) and Dr Deepa Chalisgaonkar (Scientist F) delivered lectures along with experts from BITS Hyderabad.



Dr SK Jain, Director, National Institute of Hydrology, delivering a lecture in the workshop on Reservoir Simulation Using NIH_ReSyP

International Visits by Faculty

- Prof M G Prasuna presented a paper titled 'The Agitator's Voice: Trials and Tribulations in Regional Muslim Literature in Telugu' at a conference organized by South Asian Literary Association (SALA) New York, USA, Jan 8-9, 2018.
- Dr Pranesh Bhargava delivered an invited talk at ARO Midwinter meeting, San Diego, USA, February 10-15, 2018
- Dr Sharan Gopal, presented at the 52 Spring Topology and Dynamical Systems Conference Auburn University, USA, March 14-17, 2018.
- Dr Santosh Mahapatra presented a paper titled 'Impact of Teachers' CLAL on Students' Performance', 52nd Annual International IATEFL Conference & Exhibition, Brighton, UK, April 9-13, 2018.
- Dr Lavanya Suresh presented a paper titled 'Ecological Romanticism and Farmer's Protest in Tamil Nadu, India: The Bull and The River' at the international conference on Authoritarian Populism and the Rural World, at the International Institute of Social Studies (ISS) of Erasmus University, The Hague, Netherlands, March 17-18, 2018.
- Prof B Mishra, collaborative research work, CERN, Switzerland, May 21 - June 16, 2018.
- Prof P K Sahoo, collaborative research work, University of Essex, UK, May 21-31, 2018.
- Dr J Jagan Mohan, collaborative research work, University of Dayton, USA, May 21 - June 10, 2018.
- Dr Suchismita Satpathy attended the EWIS workshop on Aesthetic Cities: Everyday, International, Urban, at Groningen University, Netherlands, June 6-9, 2018.
- Prof B Mishra, International Conference on String-Math 2018, String cosmological models in $f(R, T)$ gravity with hybrid scale factor, Tohoku University, Japan, June 18-22, 2018.
- Dr Sashideep Gutti, Conference on '15th Marcel Grossman Meeting', Chronology Protection and Modified Kerr Newman Spacetime, Sapeinza University, Italy / Rome, July 1-8.
- Dr Lavanya Suresh presented a paper titled 'The Political Economy of Decentralisation and Forest Resource Management (FRM): A Study of the Effectiveness of Decentralised FRM Institutions' at the Asia Region Biennial International Association Study of the Commons Conference, AIT, Thailand, July 13-16, 2018.
- Dr Rahul Nigam, workshop, International Centre for Theoretical Physics, Italy/Trieste, July 18-29.
- Dr Maya Vinai presented a paper titled 'Defying the 'Difference': Understanding the Scamper for Space amongst the Migrant Middle Class in Mumbai through Literary Representations' in Universiti Sains Malaysia (USM), Penang in the ICL 2018, July 25-26, 2018.
- Dr Aruna Malapati, Poster presentation on 'Named Entity Recognition using LSTM-CRF for Telugu Language', Language Resources and Evaluation Conference, Miyazaki, Japan, May 9-12, 2018.
- Dr Aruna Malapati, Paper presentation on 'Named Entity Recognition for Telugu News Articles using Naïve Bayes Classifier', NewsIR-18, Grenoble, France, March 26-28, 2018.
- Dr Anasua Guharay, Reliability Analysis of Foundation Systems Supported on Clay Subgrades of Different Strengths: A Finite Element Approach, International Foundations Congress Equipment Expo (IFCEE 2018), US, Orlando, March, 2018.
- Dr Mohan S C, presented at the 16th European Conference on Earthquake Engineering, Optimal Damper Connected Control Technique for Similar Buildings Subjected to Earthquake, Thessaloniki, Greece, June 18-21.
- Dr Chandu Parimi, presented at the International Conference on Structural Nonlinear Dynamics and Diagnosis (CSNDD 2018), Stick-Slip Phenomenon of Sliding Secondary Components and its Effect on the Horizontal Seismic Behavior of Single-Story Light Structures, Tangier, Morocco, June 25-27 2018.
- Dr Murari R R Varma, presented at the IGARSS 2018 (International Geoscience and Remote Sensing Symposium), IEEE, GRSS, A novel approach to select anchor pixels in sebal model by using inputs from sar images, Valencia, Spain, July 22-27, 2018.

- Dr Nirmal J, presented Efficacy of Subconjunctival Aflibercept in Choroidal Neovascularization (CNV) Mice Model, The Association for Research in Vision and Ophthalmology (ARVO) Conference, USA, Honolulu, Hawaii, April 29 - May 3, 2018.
- Dr Bheemeshwar Reddy A, paper presentation on 'Who Marries Whom in India? Changes in Educational Assortative Marriage, 1983-2012,' 2018 Annual Meeting, Population Association of America, Sheraton, Denver, USA, April 26-28, 2018.
- Dr Mini Thomas, Paper presentation on 'International Trade between India and Brazil: A Study into the Emerging Pattern and its Determinants', 28th Annual Conference of International Trade and Finance, University of International Business and Economics Association, Beijing, China, May 23-25, 2018.
- Dr Swati Alok, paper presentation on 'Determinants of Conflict Style and its Variation Across North & South Indians: Role of Cultural and Individual Dimensions' 4th Singapore international conference on social science and humanities (ICSSH), Nanyang Technological University (NTU), Singapore, June 12-13, 2018.
- Prof SS Deshmukh, presented at the International Conference on Sustainable Energy and Environment Sensing (SEES 2018), Fitzwilliam College, University of Cambridge, United Kingdom, June 18-19, 2018.
- Dr A. Guharay received 'Outstanding Reviewer Award 2017' from International Journal of Geomechanics, American Society of Civil Engineers.
- Prof N Rajesh, was recognized as outstanding reviewer for the year 2017 by Elsevier for the journals – Journal of Hazardous Materials, Ultrasonics Sonochemistry and Journal of Environmental Chemical Engineering.
- Dr Amit Ashok Vernekar, selected as a recognized and an outstanding reviewer (among top 10) of Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy journal, Elsevier publisher, Netherlands.
- Dr Arshad Javeed – first round winner of BIRAC Innovation Challenge Award, SoCH under the theme Platform technologies for Reducing Disease Burden (Communicable and Non-Communicable Diseases).
- Prof D Sriram received 'Outstanding Faculty Research Award, 2018' by Careers 360 in Pharmacology, Toxicology and Pharmaceutics based on a composite score generated by evaluating the academic output in SCOPUS indexed journals for the year 2015-17, citation count and h-index.
- Prof P Yogeewari received 'Outstanding Research Faculty Award' for the academic year 2017-18 certified by Careers 360 in the Pharmacology, Toxicology and Pharmaceutics discipline as one of the top 10 knowledge producers in India.

Accolades

Faculty Awards

- Dr Sharan Gopal received Early Career Research Award from SERB-DST for 2018 – 2021.
- Dr G Geethakumari has been elevated to the grade of Senior Member, IEEE from February 2018.
- Prof K Srinivasa Raju secured 1st position (Best Oral Presentation) for the Paper titled 'Evaluation of Rainfall-Runoff Model Structures in R Platform: Case Study', National Symposium on Emerging Environmental Challenges: An Engineering Approach (EEC 2018), jointly organised by CSIR-National Environmental Engineering Research Institute (NEERI), Hyderabad Zonal Centre and Department of Chemical Engineering, BITS Pilani, Hyderabad Campus (Venue: BITS Pilani, Hyderabad Campus, India), February 16, 2018. Authors for the paper are Sriman Pankaj B, K. Srinivasa Raju.
- Dr A Guharay was offered the International Travel Grant (ITS) from DST, Govt. of India for presenting paper in International Foundations Congress Equipment Expo (IFCEE 2018) in Orlando, Florida in March, 2018.
- Dr Bandhan Majumdar was awarded with the GCRF (Global Challenge Research Fund) award as ODA-Partners from India with Cardiff university (May, 2018).
- Dr Arti Dhar was selected for 'Bharat Shiksha Ratan Award, 2018' by Global Society for Health & Educational Growth in the area of Pharmaceutical sciences.
- Dr Bheemeshwar Reddy A. - Travel award from the Population Association of America to attend the Annual Meeting of the Population Association of America, April 26-28, 2018, in Denver Colorado, USA.
- Dr Durgesh Chandra Pathak: Certificate of Excellence in Reviewing - in recognition of an outstanding contribution to the 2018 Global Conference on Business and Economics organized by the Association of North America Higher Education International.
- Dr Sudatta Banerjee: Certificate of Excellence in Reviewing - in recognition of an outstanding contribution to the 2018 Global Conference on Business and Economics organized by the Association of North America Higher Education International.
- Prof Suman Kapur was awarded 'National Technology Award' for start-ups for 2018 bestowed by Honorable President of India at Technology Development Board, Department of Science and Technology, Government of India.
- Prof Suman Kapur was awarded 'Life Time Achievement in Biochemistry' by Viva International Women Award 2018 for contribution to science and the field of biochemistry.

- Prof Suman Kapur was awarded 'Prof. Indira Parikh 50 Women in Education Leaders', 2018.
- Dr Shaikshavali Chitraganti received Outstanding Reviewer Award, Journal of the Franklin Institute, Elsevier.

Student Awards

- Aditi Sharma (2015B4A70701H) was offered a summer research internship under the DAAD scholarship to work under the guidance of Prof Nicolas Gauger at TU Kaiserslautern, Germany for the period May 20 - July 20, 2018.
- Meesala Smruthi (2015B4A30391H) received an offer for internship from IDRBT, Hyderabad.
- Vedic Sharma (2014B4A70424H) received an internship from Goldman Sachs for the period May 21 - July 14 2018.
- Kartik Srivastava (2014B4A70755H) received an internship from Amazon Development Centre, India for the period May 21 - July 20, 2018.
- T. Sathvika, Research scholar, Chemistry, was awarded for best poster presentation at the Indian Analytical Science Congress, Mahatma Gandhi University, Kottayam, Kerala, India, February 8-10, 2018, for the paper titled, 'Yeast Immobilized in Carbon Nano Tubes for Cr(VI) Removal' authored by T. Sathvika, Vidya Rajesh and N. Rajesh.
- Arun Raj B., Research scholar, Chemistry, awarded for best oral presentation at the International conference on Recent trends in analytical chemistry, University of Madras, March 15-17, 2018, for the paper titled Noval Ion Chromatographic Method for the Determination of Europium after its separation from others lanthanides using microorganism immobilised biopolymer absorbent authored by Arun Raj B, T Sathvika, Vidya Rajesh and N. Rajesh.
- WCB Robotics, Birla Institute of Technology and Science, Pilani, Hyderabad Campus got seventh place and more than \$450,000 worth of prizes, including a \$300,000 prize, was awarded by the GOOSE Society of Texas and \$150,000 TiE Houston Angel Group Investment Prize at the banquet. WCB Robotics is developing window cleaning robots for cleaning the façade of high-rise skyscrapers. More than 140 corporate and private sponsors support the business plan competition - April 2018.
- A team from BITS Pilani Hyderabad Campus won the KPIT Best Innovation Award at the Grand Finale of the Smart India Hackathon-2018 organized by ISRO at Ahmedabad center. The team won a cash award of Rs. 10,000 along with other prizes from ISRO and the government of Gujarat in March 2018.

Individual Achievements and Internships

- Shivam Bhagat secured an IAS Summer Research Internship at Department of Space, IIST, Thiruvananthapuram for May-July 2018.
- Manas Bansal applied for LinkedIn-MTV Get a Job Season 4 and was selected for the company Adidas and made it to the Top 6. His internship mainly involves the development of consumer relations management structure of Reebok India.
- Jasvith, a first year EEE student, is interning at IIT Bangalore and is working on Quantum Information Processing.
- Vivek Manepalli, a fifth-year student pursuing physics and mechanical engineering is currently doing his off-campus thesis in Washington University in St. Louis.
- Aditya Mishra, a second year student, was selected to participate in the HPAIR 2018 Asia conference held at Sunway University, Kuala Lumpur, Malaysia during August.
- Piyush Sinhal has secured an internship at Ernst & Young
- Imaia Valli N, Nikhil Madaan and Divyaman Singh have secured summer internships at Western Digital (SanDisk, Bangalore).
- Chellapilla Shri Akhil has been certified by Google Developers as an Associate Android developer.
- Viswabhargav of EEE department secured a summer internship in IIT Guwahati under Ms. Sonali Chauhan in the domain of communication engineering.
- Archana Nagarajan of ECE has secured a summer internship at Telecom Paris tech, Paris, France under the topic 'Boosting Hybrid/Optical Packet Switching through TCP Congestion Control'.
- Sarthak Jain secured a summer internship plus thesis at Korea Advanced Institute of Science and Technology, South Korea as a visiting student researcher in the computer science and networking lab.
- Shivam Bhagat, Vaibhav Sharma and Manuj Kushwaha participated at The University Physics Competition (International) and won the Bronze medal.
- Chellapilla Shri Akhil, Kushal Agarwal, Kumar Prasun and Suchit Kar participated in MIT Battle Code securing the 9th position.
- Srimanta Barua, Siddhant Kumar Patel, Afroz Ahmad, Kumar Prasun, Yohan Mmr, Ashish Pratap Singh, Singapuram Sanjay Srivallabh, Anamika Das, Monish Godhia, Anoop Chandu Kunisetty, Rachit Kansal, Shubham Singh, Vasudha Varadarajan were selected for GSOC (Google summer of code) and Rohitashva Vashishtha was selected as a mentor for the Zulip summer of code.

- Keyur Jain, Ashish Gupta and Mahir Shah participated in the ACM ICPC (Kolkata/Kanpur Regionals) and Gwalior regionals securing the 5th and the 10th positions respectively.
- Aditya Kumar, Sai Surya and Ayush Sharma secured the 17th and 20th ranks in the ACM ICPC Kharagpur and Amritapuri regionals respectively.
- Ankit Anand, Tilak Mundra and Uddhav Mishra secured the 22nd position in the ACM ICPC Amritapuri regionals.
- Tilak Mundra bagged the 3rd position at Think a ton HPE
- Srujan Jha won the 1st position at India stack-innovation and secured 4th and 9th ranks respectively the TRAI Hackathon and Microsoft build the shield respectively.
- Srujan Jha made it to the top 20 in India hack and the top 8 in the Make My Trip Hackathon.

Patents Published / Issued

Compounds as Pro-inflammatory cytokine inhibitor (2018/05/07), an Indian Patent was filed by Dr Ahil Sajeli Begum, Santosh Kumar S, Dr Onkar P Kulkarni and Kirti Hira.

Joining Hands (MoU)

Department of Civil Engineering, BITS Pilani, Hyderabad campus and Panchayati Raj & Rural Development Department, Government of Andhra Pradesh, entered into an agreement on April 15, 2018, to conduct a Time-Motion studies for MGNREGS on Pilot basis in Kurnool District, Andhra Pradesh.

Department of Civil Engineering, BITS Pilani, Hyderabad campus and Commissionerate of Rural Development, Government of Telangana entered into an agreement in May 2018, to conduct a Time-Motion studies for MGNREGS on Pilot basis in Medak District, Telangana.

Books / Book Chapters Published

- Swati Alok, Vignette Methodology An Illustration from Conflict Research in the book: Qualitative Techniques for Workplace Data Analysis, IGI Global, USA, 2018.
- Archana Srivastava, Effect of Political Relations between India and China on Bilateral Trade: A Sentimental Analysis in the book: Contemporary Issues on Globalization & Sustainable Development, Serial Publishers, New Delhi, 2018.

Distinguished Visitors

- Emeritus Prof Peeyush Chandra, IIT Kanpur, delivered a talk on Mathematical Modeling for HIV Primary Infection – In VIVO, March 26, 2018.
- Prof Nigamanth Sridhar, Cleveland State University, interacted with the faculty on different aspects of

research and graduate program in Cleveland State University, January 23, 2018.

- Dr Gautam Basu, Dr Govindaraju, Dr Natu, Mr Rakesh Arora, Members of Indian Peptide Society, for discussion on IPS 2019 symposium, April 6, 2018.
- Dr Harshal P Bhagwatar, Dr Reddy's Laboratories, Seeking collaboration in the area of advanced characterization, innovation, polymorphism expertise, February 6, 2018.
- Dr Gopal Kundu, Laboratory of Tumor Biology, Angiogenesis and Nanomedicine Research, National Centre for Cell Science, July 3, 2018.

MoU with RICH

On May 23, 2018, Research and Innovation Circle of Hyderabad (RICH) signed an MoU with BITS Pilani, Hyderabad Campus to work with faculty, students & TBI. BITS Pilani, Hyderabad Campus incubates to bring their research conducted in labs to market and to help scale up initiatives and research projects of the institute. RICH (Research and Innovation Circle of Hyderabad) was launched by Hon'ble Central Minister of State for Science and Technology, Shri Y S Chowdary, Dr R A Mashelkar, former DG of CSIR and Sri K Taraka Rama Rao, Hon'ble Telangana State Minister for Industries & IT, to foster greater collaboration between industry and academic/research institutions for effective innovation and ecosystem with one of the main focuses being Lifesciences, Pharmaceuticals and Healthcare. RICH is currently led by Prof Ajit Rangnekar, Director General, RICH & Former Dean, ISB Hyderabad. The current focus areas for RICH are Pharma and Lifesciences, Agriculture and Food, and Aerospace and Defence.



Prof Sundar (Director - BITS Pilani Hyderabad Campus) signing an MoU with RICH

International Programmes and Collaboration Division (IPCD)

- IPCD provided the 'Partial Financial Support' to eight students who pursued their off-campus thesis in foreign universities. The details are given below:
- V Vasudha (INRIA - Sophia Antipolis, Mediterranean, France)
- Sateja Paradkar (Cambridge, Massachusetts, United States)
- Sainath Suryakant Mamde (University of Michigan, Ann Arbor, USA)
- Shakti Prasad Padhy (Karlsruhe Institute of Technology, Germany)
- Piyush Chawla (University of Bonn, Germany)
- Bhargav Kanuparthi (University of Montreal, Canada)
- Abhishek Dave (Johns Hoppins University Baltimore MD, USA)
- Aditi Ghose (NTU Singapore, Singapore)
- Prof Paul Walton from the Department of Chemistry, University of York, delivered a Public talk on 'Equality for Women in Science: Why is it So Slow?' followed by a Technical Talk on 'The Discovery, Structures and Spectroscopy of Lytic Polysaccharide Monooxygenases: Enzymes to Change the Biofuel World' on February 5, 2018.
- Three delegates i.e. Mr Matthew Lee, Director, International Office; Ms Mabel Wong, Senior Manager, International Office; Mr Lim Tau Wee, Senior Manager, International Office, from the Singapore Management University (SMU) visited BITS Pilani, Hyderabad campus on April 5, 2018 to discuss potential joint programmes for BITS students to embark on their post-graduate studies in SMU.
- Dr Pritpal Singh, Director for the Education group and Mr Jasminder Khanna, South East Asia – International Partnership – Cranfield University UK delivered a talk to make the students aware about the postgraduate programs that are offered by the university.
- Prof Subhas Mukhopadhyay, from the Department of Engineering, Macquarie University, Australia delivered a talk on 'IoT and WSN for Health and Home Management' and interacted with the faculty members of the Department of Computer Science and Information Systems and EEE on 23 April 2018. This was followed by a discussion with IPCD team for some collaboration.
- IPCD organized an outreach program for the faculty members and students at BITS Pilani, Hyderabad campus on April 19, 2018, to provide information on Fulbright-Nehru, other Fulbright, and Fulbright-Kalam fellowship opportunities for study, research and professional development in the U.S. The programme was headed by Dr Sudarsan Dash, Senior Program Officer: Fulbright Commission in India, United States-India Educational Foundation.
- IPCD has renewed the MOU executed with Tunghai University, Taichung, Taiwan on February 1, 2015 for a period of three years.
- Prof Suman Kapur, Dean, IPCD and Prof P Sankar Ganesh, Associate Dean, IPCD attended a Networking Reception organized by the Australian Consul General in Chennai, Ms Susan Grace and Australian Trade Commissioner, Mr Manish Sharmato advance Australia-India bi-lateral linkages on April 16, 2018.



Prof Paul Walton, University of York with Director and Dean, IPCD



Dr Sudarsan Dash, Senior Program Officer, USIEF addressing the gathering



Prof Subhas Mukhopadhyay, Macquarie University, delivering the talk on IoT and WSN

Technology Start-Up Award

Technology Start up award is one of the three awards set up by the Technology Development Board, DST for recognizing development of indigenous technologies with potential for commercialization. Xcellence in Bio Innovation and TechnologieS (xBITS) Pvt Ltd, an incubate company at BITS Pilani, Hyderabad Campus has been declared the winner for the year 2018. The award carries a cash prize of Rs. 15 Lakh and a trophy.

The Hon'ble President of India presented the awards to mark the 20th National Technology Day.

Shri Ram Nath Kovind on Friday, May 11 presented the national award for successful commercialization of indigenous technology. On this occasion, Prof Suman Kapur received the award from the President.

Speaking on the occasion, the Hon'ble President noted that the Technology Day was a landmark day for the country as it was on this day, two decades ago, that the Pokhran nuclear tests took place and demonstrated India's capacity as a nuclear weapons state as well as a mature and responsible technology power, capable of harnessing sensitive knowledge.



Prof Suman Kapur receiving the award from the Hon'ble President of India

He said technology was a destiny for the country as all national programmes required a force multiplier in the form of technology. But, at the same time, it must also be about equity. "Its (technology's) fruits must be accessible to all. Finance and resources should be available to all technologists who may wish to turn entrepreneurs – and to migrate from the lab room to the shop floor." Above all, the Hon'ble President said, gender equity must be integrated with technology production and technology sharing.

Outstanding Researcher 2018



Prof D Sriram, Department of Pharmacy has been awarded the 'Most Outstanding Researcher 2018' in the field of Pharmacology, Toxicology and Pharmaceutics by Careers360.

The selection is based on a composite score generated by evaluating his academic output in SCOPUS indexed journals for the year 2015-17, citation count and h-index. He has published 354 papers, 8123 has citations, 8183 citations and an 'h' index of 44.

Prof D Sriram receiving the award from the Hon'ble Union Minister for HRD Shri Prakash Javadekar

Innovation Equity of Science & Technology

Prof Srinivasa Prakash Regalla received first prize in the 'Bright S&T Innovation Idea Presentation' competition conducted as part of the workshop on 'Innovation Equity of Science & Technology' jointly organized by DSIR, Govt of India and SPMVV, Tirupati at the BITS Pilani, Hyderabad campus on Jan 27, 2018. His presentation detailed on systematic clinical tests and quality enhancement from the feedback collected on the innovative low-cost and high-comfort lower limb prosthetics through additive manufacturing technology, on which he & his team have already completed the proof of concept and successfully tested by giving to fifteen amputees. His work was funded by BIRAC (DBT) in BIG-5 grant scheme in 2015.

Rice Business Plan Competition, US

WCB Robotics from the Birla Institute of Technology and Science, Pilani – Hyderabad Campus won the \$5,000 People's Choice Competition sponsored by SoFi in Rice Business Plan Competition. The winner was determined by more than 8,000 people who voted for their favorite team via a Facebook survey.

WCB Robotics, Birla Institute of Technology and Science, Pilani, Hyderabad Campus secured seventh place and more than \$450,000 worth of prizes, including a \$300,000 prize awarded by the GOOSE Society of Texas and \$150,000 TiE Houston Angel Group Investment Prize at the banquet. WCB Robotics is developing window cleaning robots for cleaning the façade of high-rise skyscrapers. More than 140 corporate and private sponsors support the business plan competition.

According to Brad Burke, Managing Director of the Rice Alliance, this year the competition was among the most diverse in the history of the competition and came from top universities around the globe. The teams were chosen from more than 300 entrants to compete in four categories: Life Sciences, Information Technology / Web / Mobile, Energy/Clean Technology/Sustainability and Tech Innovation. Each team made its case in 15-minute investment pitches and a rapid-fire 60-second elevator-pitch contest on the first night of the competition.

Selected by 300 judges from the investment sector as representing the best investment

opportunity and taking home nearly \$500,000 in cash and prizes. The prizes were presented at a banquet at the Westin Galleria that concluded the three-day event, which began on April 5, 2018. At the banquet, an additional \$565,000 in prizes was awarded, bringing the total amount awarded to more than \$2 million.

About the Rice Business Plan Competition: The Rice Business Plan Competition is the world's richest and largest graduate-level student startup competition. It is hosted and organized by the Rice Alliance for Technology and Entrepreneurship, which is Rice University's internationally-recognized initiative devoted to the support of entrepreneurship, and the Jesse H. Jones Graduate School of Business. This is the 17th year for the competition and over time, it has grown from nine teams competing for \$10,000 prize money in 2001 to 42 teams from around the world competing for more than \$1.5 million in cash and prizes. The goal of Rice Business Plan Competition is to provide the best overall educational and entrepreneurial experience of any business plan/new venture competition.



The winning team receiving the prize money from Rice Business Plan competition, US

BITS Pilani Hyderabad Students Won KPIT Innovation Award



Student participants in KPIT

A team from BITS Pilani, Hyderabad Campus have won the KPIT Best Innovation Award at the grand finale of the Smart India Hackathon-2018 organized by ISRO on March 30 & 31, 2018 at Ahmedabad center. The team won a cash award of Rs 10,000 along with other goodies from ISRO and the government of Gujarat.

Smart India Hackathon organized by MHRD (Ministry of Human Resources and Development), AICTE (All India Council of Technical Education), Inter Institutional Inclusive Innovation Center (i4C) and Persistent Systems was conducted at 28 Nodal Centers with 1296 teams being short listed out of over 17000 teams in the final round

for building solutions to 408 problem statements proposed by 27 Central Ministry Departments and 17 State Governments. The Smart India Hackathon had 2 areas: Software (340 problem statements) and Hardware (68 Problem Statements) Editions. The final round of this hackathon was held for 36 hours on March 30 & 31, 2018. The team had participated in the 'Software Edition' of this hackathon.

The team, Kshitij Grover (Team Leader), Kriti Goyal, Mohit Goyal, Ipsit Sahoo, Naman Goyal and Yash Bansal worked on the project 'Solving Regional Language Text extraction from GeoTagged images of Community Assets' proposed by ISRO at the Ahmedabad Nodal Center. There were 64

teams from IITs, NITs, IIITs and other Government/Non-Government Aided Institutions selected for the final round. As a part of continuation for their project, the team will be working with mentors from ISRO to bring the project to a deployment stage which is proposed to be completed by May 2019, a year after the hackathon, on the lines of the previous year's hackathon winners where 27 projects were ready to be deployed by April/May-2018. The hackathon project was reviewed for it's utility and solving of their use case by the judges and ISRO members. This application will help ISRO in organizing and enriching community assets inventory and preventing corruption in Developmental Planning at different institution levels.



The Grand Finale of Smart India Hackathon - 2018

CODEBEAT 18: Mega Start-Up Workshop 2018

BITS Pilani's Hyderabad Campus - Technology Business Incubator (TBI), in association with CODEBEAT, hosted a 2 day event at BITS Pilani Hyderabad Campus, on Feb 25 & 26 2018. The grand startup carnival was designed for students, innovators, investors, startups and entrepreneurs and had a host of inspirational speakers and influencers imparting knowledge on market, investment opportunity, and stalls for innovative Prototype, technical workshops and more.

Prof G. Sundar, Director - BITS Pilani, Hyderabad Campus welcomed the 2000+ technology students who had participated in this event.

The Chief Guest of the event, Mr Jayesh Ranjan, Principal Secretary, Telangana Government, emphasised the support mechanism provided by the Telangana Government. He gave a detailed overview of the earlier key points for entrepreneurship and current steps taken by Telangana Government for sustainable Startup Ecosystem.

Mr Kali Prasad Gadiraju, President TIE - Hyderabad, addressed the students regarding TIE initiatives and how it evolved in India. He also emphasised the importance of Eco-System of Incubation. His views were inspiring for the technology students who had participated.



Mr Prashant Sinha, TBI - BITS Pilani, Hyderabad Campus, spoke about the deliberation and workshop, bringing attention of all student entrepreneurs towards cutting-edge technological trend and development. He also made the enthusiasts realize the potential of these technologies in solving real-life problems through potential innovative ideas.

Close to 2000 students, enthusiasts, investors, mentors and startups participated in the event and many eminent speakers such as Mr Satyaarth Paiyedarshi, (Head Marketing - JioChat), Prof Bala Subrahmanya, (IISE, Bangalore), Prof P Srivastava (University of Southern California), Amit Mishra (Startup Advisor) addressed the participants.

Apart from plenary sessions, students participated in the hands-on workshops related to robotics, IoT, artificial intelligence and machine learning.



National Symposium on Emerging Environmental Challenges: An Engineering Approach

National Symposium on Emerging Environmental Challenges: An Environmental Approach (EEC 2018) was jointly organised by the Department of Chemical Engineering, BITS Pilani, Hyderabad campus and CSIR-NEERI Hyderabad Zonal Centre. Dr. Jayaprakash Narayan, IAS, Loksatta President was the chief guest and Mr Venkat Jasti, Chairman and CEO, Suven Life Sciences was the guest of honor.

The programme was inaugurated by Dr Jayaprakash Narayan - the Chief Guest, Mr Jasti - the Guest of Honor, Dr. Purohit (Chief Scientist NEERI) Prof G Sundar (Director - BITS Pilani Hyderabad Campus), Dr S K Basha, and Prof I Sreedhar (organising secretaries of the symposium).

Dr Purohit and Prof G Sundar during their welcome address, congratulated the combined efforts of BITS and NEERI in taking up this initiative and suggested that the collaboration should continue at various levels.

In his address, Dr Jayaprakash Narayan stressed upon the need of rain harvesting, exploring the technical and economical innovations, reduced tampering with nature, effort to mitigate SO₂ emissions and sending them to stratosphere, harnessing wind power, forming small clusters in place of large scale urbanization that is inevitable. Mr Venkat Jasti, in his address emphasized the importance of the environmental challenges and the role to be played by not only industries but the society as a whole to tackle them. Mr Jasti felt the need of private public partnership programmes in this direction. Mr Jasti also requested Prof. Sundar to introduce the Environmental Management course in BITS curriculum which will be useful to the Industries

and the society. More than 250 participants from various academic institutes, research labs, industries and other government bodies had participated in the deliberations. The inaugural session ended with vote of thanks by Prof I Sreedhar, Associate Professor, BITS Hyderabad, followed by the National Anthem.

The main objective of symposium was to focus on the emerging environmental issues in India and to provide necessary and relevant engineering solutions for its remediation/control. The various topics of the symposium included air with emphasis on Vehicular emission and long range transportation of pollutants, Water, Land, Lake/River Pollution, Issues on Environmental health and Community Participation, Climate Change and Various engineering and technological interventions addressing environmental issues. Eminent experts from research and academic institutions, administrators, government and non-government officials, industries, community representatives, local governing and regulatory bodies discussed on various subjects within the themes of the symposium. Large number of participants from state/central government, industries and students mainly from reputed colleges and universities attended the symposium.

The overall outcome of symposium brought out various sources responsible for emerging environmental issues and its remediation / solutions technologies in India. It also emphasized the role of community participation in the environmental management strategies. A road map will be prepared and submitted to the government for taking necessary steps in the decision-making.



Chief Guest Dr Jayaprakash Narayan, delivering the inaugural address

Training NIH



Credit Suisse Group

Financial Risk Analytics & Management (FRAM) course is designed to meet growing industry requirements in collaboration with Credit Suisse Group AG, a Swiss multinational investment bank and financial services company founded and based in Switzerland. Credit Suisse's main focus is on Private Banking & Wealth Management, Asset Management and Investment Banking. During the regular semesters, Credit Suisse market-wise experts come to respective campuses and deliver the lectures and conduct simulations using the real time data. This enables the students to get hands-on experience and learn modern techniques to deal with the dynamic financial markets efficiently.



12th Foundation Day Celebrations

The 12th foundation day was celebrated at BITS Pilani, Hyderabad Campus on April 28, 2018 in the auditorium. The celebrations began with the introduction of new faculty and staff members who joined the institute in the previous year, through a slide show. This was followed by a presentation of student activities by Mr Aditya Iyer, General Secretary of the Student Union. The progress of the Campus and a brief report on the campus activities were presented by Prof Niranjan Swain, Dean, Administration.

As a part of Foundation Day Celebrations, exceptional achievers and consistent contributors among the non-teaching staff members were felicitated. In addition, housekeeping, landscaping staff and security members were also recognized for their exceptional contributions and were also felicitated. The event concluded with Prof G Sundar, Director's message and was followed by lunch.

Exceptional Achiever 2017-18

- Balaswamy Reddy, Sr. Technician (ESD)
- Vasundhari A, HR Manager (GAU)

Consistent Contributor 2017-18

- M Venugopala Chary, Store Keeper (CPU)
- Surender Reddy, Programmer (Admissions)
- M Anitha, Asst. Hostel Supdt. (SWD)
- Sujatha C A, Jr. Accountant (Accts & Fin.)
- A Rama Chandra Sharma, Programmer (CAD Lab)
- Bokka Chandra Sekhar, Jr. Technician (Workshop)
- Mahendra Chary, Operations Asst. (Workshop)
- K Chandraiah, Attendant (GAU)
- K Ramesh, Sr. Attendant (SWD)
- T Anil Kumar, Attendant (Library)
- Kottur Sreenivasareddy, Technician (Maintenance)
- N Jagadeshwar Reddy, Technician (ME)
- B Krishnaveni, Technician (EEE)

- N Bhaskara Raju, Jr Technician (Chem. Engg)
- Ramadevi Kundur, Sr Technician (Physics)
- Rajesh Vemulamada, Technical Assistant (Pharmacy)
- J Janardhan Kumar, Technician (WILP)
- P Hemanth Kumar, Technician (Civil Engg)
- P Narayana, Technician (EEE)
- Abbagani Uppalaiah, Technician (Cen. Ana. Lab.)
- Nallabilli Sateesh Babu, Office Assistant (SWD)
- M Kamalakar Nagula, Media Designer (WILP)
- Dr G Kalyan, Medical Officer (Medical Centre)

Consistent Contributor 2017-18 (Support Staff)

- D Radha (Housekeeping Services)
- G Nirmala (Housekeeping Services)
- G Nirmala (Landscaping Services)
- B Jaipal (Housekeeping Services)
- G Ramesh (Security Services)
- K Prakash (Security Services)



Awardees with the Director – Prof G Sundar and Dean (Administration) – Prof Niranjan Swain

Inauguration of Cal Lab



Inauguration of CAL Lab



Picture of Lab

An extended CAL facility was established at BITS Pilani, Hyderabad campus in the academic year 2017-18. The lab was inaugurated on July 27, 2018 by senior faculty members of the campus from various departments. This lab is currently equipped with two high end equipment which included Scanning Electron Microscope (SEM from FEI/ Thermo Fisher Scientific) and Nuclear Magnetic Resonance spectrometer (NMR-400 MHz, Bruker both solution and solid state). Two separate rooms were constructed to make these facilities available for use. Many other equipments are planned to be placed at this lab in the near future.

New Academic Blocks

Academic Building - Block H&I (Lower ground floor, ground floor and 1st floor) Comprising 11 Classrooms, 16 LABS, 125 faculty Cubicles, 3 HOD rooms, 3 departmental offices in 96000 Sqft, was inaugurated on august 1, 2018. Mathematics, EEE and Computer science departments have moved to this block.

New Hostel Block Vishwakarma Bhavan

Hostel Building consisting of Ground floor + 3 floors of area 122953 Sqft comprising of 390 rooms of double sharing was inaugurated on July 27, 2018.



Inauguration



Pooja



New Academic Block

Distinguished Lectures and Guest Lecture Series

Guest Lecture by	Organisation	Topic of the Talk	Date
Prof Avinash Deshpande	Raman Research Institute, Bengaluru	Sky Watch Array Network (SWAN)	Jan 6, 2018
Prof A Gopakumar	Tata Institute of Fundamental Research, Mumbai	An Au-Some Cosmic Explosion and its Implication for 21 st Century Astronomy	Jan 8, 2018
Prof Aranya Bhuti Bhattacharjee	Jawaharlal Nehru University, New Delhi	Measuring Finite-Range Phase Coherence in an Optical Lattice using Talbot Interferometry	Jan 9, 2018
Dr Raj Kumar Gondle	University of Massachusetts (UMass) Lowell	Carbon Sequestration	Jan 12, 2018
Prof Maulik Parikh	Arizona state University, USA	Detection of Gravitational Waves	Jan 19, 2018
Mr Ravi Meduri	Innominds, Hyderabad	Advanced Machine Learning: An Introduction to Deep Learning	Jan 23, 2018
Dr Amit Chattopadhyay	IIT Bangalore	Geometry, Topology and Computing	Feb 2, 2018
Prof Calvin King	MCET, Coimbatore	Design of Course Handouts - A Novel Approach	Feb 2, 2018
Dr J Avyaya Narasimham	National Aeronautics & Space Administration, USA	Spin Orbit Effects in β -Tungsten	Feb 6, 2018
Prof Ponnurangam Kumaraguru	IIIT, Delhi	ACM distinguished Talk on 'Fake Content, Scams, Privacy, Manipulated Accounts on Social Media'	Feb 16, 2018
Dr Sriram Kanvah Gundimeda	IIT Gandhinagar	Fluorescence of α -Cyanostilbenes: Aggregates and Self-Assemblies	Feb 21, 2018
Prof Pallab Basu	International Centre for Theoretical Sciences, Bangalore	Complex Langevin Dynamics and Large-N Gauge Theories	Feb 22, 2018
Prof Ananth Sudharshan	Indian Institute of Science Education & Research, Pune	Spacetime and Quantum Mechanics	Feb 23, 2018
Dr Shaikh M Mobin	IIT Indore	Multitalented Small Molecules: Cellular Organelles Targets, Sensing and Crystal Engineering	Feb 26, 2018
Prof Ramesh Thamankar	Vellore Institute of Technology	Single Molecular Electronics: A New Paradigm	Mar 10, 2018
Prof J V Narlikar	Inter University Centre for Astronomy & Astrophysics, Pune	Search for Extraterrestrial Life	Mar 16, 2018
Mr Prakasha Rao P J V K S (Project Director, GSAT communication satellites)	ISRO Satellite Centre (ISAC), Bangalore	Reliability and Quality Assurance for Spacecraft Systems	Mar 17, 2018
Mr Subramanya Udupa, (Deputy Director Control & Electronics)	ISRO Satellite Centre (ISAC), Bangalore	Spacecraft Electronics Systems	Mar 17, 2018
Dr K Shiva Kumar	TTK Pharma, Chennai	Overview of Pharmaceuticals & Medical Devices	Mar 26, 2018
Prof Peeyush Chandra	IIT Kanpur	Mathematical Modeling for HIV Primary Infection – In VIVO	Mar 26, 2018
Dr Lisa Roy	Max Planck Institute for chemical energy conversion, Germany	Unraveling the Mechanistic Intricacies of Transition Metal Mediated H ₂ Formation, CO ₂ Reduction and C-H Activation	Apr 19, 2018
Mr Nageswara Rao	Shell India Markets Private Limited, Bangalore	Health and Safety at Infrastructure Construction Sites	Apr 20, 2018

Invited Lectures by Faculty

Name of the Faculty Member	Title of the Lecture(L) / Workshop(W) and Occasion (if any)	Institution in which it was delivered / conducted	Duration / Date
Dr Supradeepan K	Recent Advances in CFD International Conference in Trends in information, management, Engineering and Sciences	Malla Reddy College of Engineering, Hyderabad	Nov 29-30, 2017
Prof V Vinayaka Ram	Highway Material Characterization	CVR College of Engineering (Hyderabad)	Jan 17, 2018
Prof K Srinivasa Raju	Water Resources Economic Planning and Management (3 lectures on Water Resources Economics, Water Resources Optimization, Uncertainty Handling in Water Resources),	SGGS Institute of Engineering and Technology,	Jan 27-28, 2018
Prof S P Regalla	Subject Matter Expert Resource Person, Machine Design, Faculty Development Programme,	CMR College of Technology	Feb 7, 2018
Dr Runa Kumari	Guest Lecture on 'Nano-Satellite and Its Subsystems'	Military College of Electronics and Mechanical Engineering, Secunderabad	Feb 8, 2018
Prof N Rajesh	Role of Biopolymers, Clays and Resins in Heavy Metal Remediation	Indian Analytical Science Congress, Mahatma Gandhi University, Kottayam, Kerala	Feb 8-10, 2018
Prof V Vinayaka Ram	Sustainable Materials with a special reference to Roads and Buildings	Mahatma Gandhi Institute of Technology, Hyderabad	Feb 16, 2018
Prof Sanket Goel	Pencil Graphite Electrodes (PGE) for Enzymatic Biofuel Cells (EBFCs): Towards Microfluidic Platform, Conference on Electrochemistry	BARC, Mumbai	Feb 17, 2018
Prof B Mishra	Study of Cosmological Models with Mathematical Techniques / International Conference on Pure and Applied Mathematics	Department of Mathematics, SCSVMV University, Kanchipuram	Feb 19-20, 2018
Prof A Vasani	Writing and Publishing Quality Manuscripts	VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad	Feb 23, 2018
Dr Nirmal J	Challenges and Opportunities for Corneal Drug Delivery Systems Workshop: SYNERGY 2018: Cornea and Ocular Surface Symposium	Shankara Nethralaya, Chennai	Feb 24-25, 2018
Prof Sridhar Raju	Training QA/QC Supervisors for Road Projects	L&T Training Centre, Lonavala, Maharashtra	Feb 26, 2018
Dr Sujith R	Scanning Electron Microscopy in the Faculty Development Program	GRIET	Feb 28, 2018
Dr Harish V Dixit	High Power Microwave Devices	VJTI, Mumbai	Feb 2018
Prof N Rajesh	Tailored Adsorbents as Greener Options for Chromium Speciation	International conference on Recent Trends in Analytical Chemistry, University of Madras	Mar 15-17, 2018

Name of the Faculty Member	Title of the Lecture(L) / Workshop(W) and Occasion (if any)	Institution in which it was delivered / conducted	Duration / Date
Prof K Srinivasa Raju	Urban Flood Modelling Perspectives: Case Study of Hyderabad, Continuing Professional Development Program on Climate Change Impact - Urban Heat Islands & Flash Flooding	Engineering Staff College of India, Hyderabad	Mar 20, 2018
Dr Thota Nagaraju	Management Development Program	Lecture on 'Managerial Economics' in Vizag Steel (RINL Ltd)	Mar 21-22, 2018
Dr Sunny Kr Singh	Management Development Program	Lecture on 'Macroeconomic Environment for Managers' in Vizag Steel (RINL Ltd)	Mar 21-22, 2018
Dr Kurra Suresh	Internal Quality Assurance Cell	St Ann's College of Women, Hyderabad	Mar 23, 2018
Prof Sanket Goel	MEMS / Microfluidic Devices for Biomedical and Energy Applications, IEEE SKEP Lecture, IEEE Bombay Section, RCOEM, Nagpur	RCOEM, Nagpur	Mar 26, 2018
Prof K Srinivasa Raju	Artificial Neural Networks: Challenges and Opportunities, National Conference on Innovative Trends in Civil Engineering (NC-ITCE-2K18), Hyderabad	Anurag Group of Institutions	Mar 28, 2018
Prof K Srinivasa Raju	Optimization Applications in Water Resources Engineering	MVSR Engineering College, Hyderabad	Apr 4, 2018
Prof N L Bhanu Murthy	Machine Learning and Artificial Neural Networks, Workshop on Data Mining & Soft Computing Techniques in Civil Engineering	Centre of Excellence in Water Resources Management, Department of Civil Engineering, BITS Pilani Hyderabad Campus	Apr 13, 2018
Dr Lov Kumar	Effective Fault Prediction Model Developed using Artificial Intelligence Techniques, workshop on 'Data Visualization and Machine Learning using Python'	CVR College of Engineering	Apr 13, 2018
Dr Subhrakanta Panda	Software Testing Evolution and Machine Learning in the workshop on 'Data Visualization and Machine Learning using Python'	CVR College of Engineering	Apr 13, 2018
Prof K Srinivasa Raju	Classical Optimization Techniques	Workshop on Data Mining and Soft Computing Techniques in Civil Engineering, Birla Institute of Technology and Science-Pilani, Hyderabad Campus	Apr 13, 2018
Prof A Vasani	Nature Inspired Optimization Techniques & Multiobjective Evolutionary Optimization	BITS Pilani, Hyderabad Campus	Apr 13-14, 2018
Prof Sridhar Raju	Training L&T Engineers	Aurangabad, Maharashtra	Apr 14, 2018

Name of the Faculty Member	Title of the Lecture(L) / Workshop(W) and Occasion (if any)	Institution in which it was delivered / conducted	Duration / Date
Prof K Srinivasa Raju	National Advisory Committee, Two-Day National Conference on Advanced Computing Applications in Civil Engineering (ACACE-2018)	Osmania University College of Engineering, Hyderabad	Apr 20-21, 2018
Dr Bheemeshwar Reddy A	Orientation Workshop on Social Policy	Lecture on 'Evidence Based Policy Analysis' in Rajiv Gandhi National Institute of Youth Development (RGNIYD), Sriperumbudur	May 2-4, 2018
Dr Sabareesh G R	Recent Advance in Mechanical Engineering	Geethanjali College	May 14, 2018
Prof K Srinivasa Raju	Multiobjective Optimization and Data Mining & Multiple Criteria Decision Making	Visvesvaraya National Institute of Technology, Nagpur	May 17, 2018
Dr Lov Kumar	An Empirical Analysis on Effective Fault Prediction Model Developed using Ensemble Methods, 11 th National Workshop on Recent Trends In Software Testing (RTST – 2018)	Kalinga Institute of Industrial Technology Bhubaneswar	May 18-22, 2018
Dr Subhrakanta Panda	Security Testing, 11 th National Workshop on 'Recent Trends In Software Testing (RTST – 2018)'	Kalinga Institute of Industrial Technology Bhubaneswar	May 18-22, 2018
Dr Lov Kumar	Application of Artificial Intelligence Techniques in Development of Effective Fault Prediction Model	Verizon, Hyderabad	May 29, 2018
Dr Kalyana Rama	Training the Engineers at Andhra Pradesh Human Resource Department Institute (APHRDI)	Bapatla, AP	May 2018
Dr Anasua Guharay	Training the Engineers at Andhra Pradesh Human Resource Department Institute (APHRDI)	Bapatla, AP	May 2018
Prof K Srinivasa Raju	Scientific and Advisory Committee, 5 th National Conference on Water, Environment & Society (NCWES-2018), Centre for Water Resources, Institute of Science and Technology	Jawaharlal Nehru Technological University, Hyderabad	Jun 4-6, 2018
Prof K Srinivasa Raju	Impact of Climate Change on Water Resources	World Environment Day: Conclave 2018, Organised by New Indian Express	Jun 5, 2018
Dr Pavan K	Subject Matter Expert Resource Person, Current Developments of the computational methods in Structural analysis & Advancements in Composite Structures, Faculty Development Programme	Malla Reddy College of Engineering & Technology	Jun 12, 2018
Dr Supradeepan	Subject Matter Expert Resource Person, Current Developments of the computational methods in fluid dynamic analysis, Faculty Development Programme	Malla Reddy College of Engineering & Technology	Jun 12, 2018

Name of the Faculty Member	Title of the Lecture(L) / Workshop(W) and Occasion (if any)	Institution in which it was delivered / conducted	Duration / Date
Prof N Rajesh	Sustainable Materials for Environmental Applications	Refresher program in chemistry, Ministry of Human Resources Development, Indian Institute of Technology (IIT), Dhanbad	Jun 13, 2018
Dr Arti Dhar	Invited for a discussion and defense of M.Pharm students (Pharmacology & Regulatory Toxicology)	NIPER, Hyderabad	Jun 13-14, 2018
Dr Lov Kumar	Effective Fault Prediction Model Developed Using Source Code Metrics, Conference on Software Engineering and Data Sciences (CoSEDS 2018)	University of Kashmir, Srinagar, India	Jun 20-21, 2018
Prof Sridhar Raju	Training the Engineers at Andhra Pradesh Human Resource Department Institute (APHRDI)	Andhra Pradesh Human Resource Department Institute (APHRDI), Vishakapatnam	Jun 21, 2018
Prof Sridhar Raju	Training QA/QC supervisors for road projects	L&T Project Site, Ahmedabad	Jun 23, 2018
Prof K Srinivasa Raju	Classical Optimization Techniques and Impact of Climate Change on Reservoir Operation	'Reservoir Simulation Using NIH_ReSyP' jointly organized by National Institute of Hydrology (A Govt. of India Society under Ministry of Water Resources, River Development and Ganga Rejuvenation) and Centre of Excellence in Water Resources Management, Department of Civil Engineering, BITS Pilani Hyderabad Campus	Jun 25-29, 2018
Prof A Vasani	Optimization of Reservoir Operation	Workshop on 'Reservoir Simulation Using NIH_ReSyP' jointly organized by National Institute of Hydrology and Centre of Excellence in Water Resources Management, Department of Civil Engineering, BITS Pilani Hyderabad Campus	Jun 25-29, 2018
Prof V Vinayaka Ram	Pavement Management Systems	Engineering Staff College of India (ESCI), Hyderabad	Jun 26-29, 2018
Sandeep Kumar	Compact Micro-Strip Antennas and Broad-Banding Techniques: Theory, Design, Simulation, Fabrication and Measurements	GRIET, Hyderabad	Jun 27, 2018
Prof Sridhar Raju	Alternative Materials and New Technologies for Construction of Rural Roads	IIT Bhubaneswar	Jun 28, 2018

Name of the Faculty Member	Title of the Lecture(L) / Workshop(W) and Occasion (if any)	Institution in which it was delivered / conducted	Duration / Date
Prof Aivelu M Parimi	National level Symposium on Recent Developments in Renewable Energy Systems and Power Quality	SNIST, Hyderabad	Jun 29-30, 2018
Prof V Vinayaka Ram	Sustainable Green Technologies in Civil Engineering	Sreenidhi Institute of Science and Technology, Ghatkesar, Hyderabad	Jun 30, 2018
Prof Jagadeesh Anmala	Training the Engineers at Andhra Pradesh Human Resource Department Institute (APHRDI)	Andhra Pradesh Human Resource Department Institute (APHRDI)	Jun 2018
Prof Sridhar Raju	Training AP PWD Engineers	Andhra Pradesh Human Resource Department Institute (APHRDI), Bapatla	Jul 10-11, 2018
Dr Murari R R Varma	Training the Engineers at Andhra Pradesh Human Resource Department Institute (APHRDI)	Andhra Pradesh Human Resource Department Institute (APHRDI), Bapatla, AP	Jul 12 -13, 2018
Dr Lavanya Suresh	Understanding decentralisation through a natural course lens: A study in the state of Tamil Nadu	IIT-Hyderabad, Department of Liberal Arts	April 6, 2018
Dr Lavanya Suresh	Gender and environment sustainability	TISS, Hyderabad	April 3, 2018

Sponsored Research Projects

S. No.	Title	PI Name	Dept	Co-PI Name	Dept	Funding Agency Name	Amount	Sanction Date	Duration
1	N-Pdf Student Under Dr. Sounak Roy	Dr Ganji Parameshwaram - under Dr. Sounak Roy	Chemistry	NA	NA	N-PDF	1908000	Jan 5, 2018	2 years
2	Determinants of Women Empowerment and Trickle-Down Effect of the Same on Children's Overall Educational and Health Development: Challenges, Effects and Intervention through Training	Dr Sudatta Banerjee	Economics and Finance	Dr Swati Alok	Economics and Finance	ICSSR	400000	Jan 10, 2018	1 year
3	Combined Genetic and Epigenetic Analysis of Oral Cancer for Prognosis of Patients	Prof K Naga Mohan	Biological Sciences	Prof Kumar Pranav Narayan	Biological Sciences	DBT	13882400	Jan 29, 2018	3 years
4	Dst-Ramanujan Fellowship	Dr Gireesha Thipperudrappa	Biological Sciences	NA	NA	DST-Ramanujam Fellowship	3800000	Feb 6, 2018	4 years
5	Cracking of Hydrocarbon Fuel for a Possible Heat Sink Applications	Prof Srikanta Dinda	Chemical Engineering	NA	NA	DRDO	4065000	Mar 2, 2018	2 years
6	Characterizing the Sets of Periodic Points of Automorphisms on A Solenoid	Dr Sharan Gopal	Mathematics	NA	NA	DST	1998480	Mar 12, 2018	3 years

7	Investigations of the Effects of Photon Up-Conversion Materials on the Electrical Performance of Ferroelectric / Semiconductor Heterojunction Photovoltaic Devices	Dr Souvik Kundu	EEE	Prof Kannan Ramaswamy and Dr Harihara Venkatraman	Physics	DST	3563997	Mar 19, 2018	3 years
8	Reactive Transport Modeling and Simulation of Carbon Dioxide Sequestration in Deccan Volcanic Province	Dr Vikranth Kumar Surasani	Chemical Engineering	Dr Balaji Krishnamurthy	Chemical Engineering	DST	2173600	Mar 22, 2018	3 years
9	Develop of Novel Anti-Leishmanial Analogues Loaded with Novel Nano-Formulations	(Co-PI) Prof KVG Chandra Sekhar	Chemistry	Dr S Murgesan	Pharmacy (Pilani)	DBT	1300000	Mar 26, 2018	2 years
10	Sustainable Technology Solutions for Energy Efficiency in the Jaggery Industry (Steel)	Prof M Srinivas	Mechanical Engineering	NA	NA	Royal Academy of Engineering	4800000	Apr 2, 2018	2 years
11	Economic Construction Practice using Bacterial Inclusions in Concrete in Improve its Durability	Dr Arkamitra Kar	Civil Engineering	Dr Jayati Ray Dutta and Dr Mohna Bandyoadhyay	NA	CSIR	2200000	May 2, 2018	3 years
12	Harnessing Mucosal Immunity towards Improved Resistance against Tuberculosis	Dr Ruchi Jain Dey	Biological Sciences	NA	NA	DBT Ramalingaswamy	3250000	May 28, 2018	5 years
13	Underwater Characterization of Solar Cells and their Optimization	Prof Sanket Goel	EEE	Dr Radhika Sudha	EEE	DRDO-cars	985000	Jun 1, 2018	1 year
14	Fundamental Physics in Strong Gravitational Field of Neutron Stars	Dr Sarmistha Banik	Physics	Dr Asrarul Haque	Physics	DAE/BRNS	2439650	Jul 5, 2018	3 years

Technical Round-Up

This year, we saw the app, Cashless BPHC being used for the ANC, fests and other stalls on campus. With the technology and data available for a year, efforts are being made to implement the 212 bus tracker for the academic year 2018-19. It should be noted that the app provide us live notifications of the events which come in handy during the fest and was developed by the Smart campus team. The team wishes to add the shops and food outlets on campus to the app.

This February, we had Tech-week which serves as a platform for students to test their technical prowess and learn a lot of new stuff by coming together and sharing knowledge. Technical associations and departments conduct events and workshops to improve the technical culture on campus. Around 14 events and 9 workshops were conducted along the course of the week. The week started off with two quizzes and events such as N-crypton Mathefia by axiom, Capture the flag by Crux, Plan-B by The Civil Engineers Association kept the momentum going.

Talking of workshops, Crux had a DIY workshop and Node JS workshop, CSA had the 'Competitive Coding Boot Camp'. Talks by eminent personalities were conducted by many associations. For instance, Panacea had a 'Panel Discussion on Entrepreneurship' by two of the very successful Pharmapreneurs: Mr Rakesh Gupta (BITS Alumnus), CEO of Nature Velvet Lifecare and Mr Anup Soans, Pharma L&D Facilitator and Editor of MedicinM. Also, we had a talk by Prof Kannan Ramaswamy on 'Campus life for Academic Excellence' by Spectrum. This time, a lot of effort was put in to make the tech week bigger and better. Ending on a positive note, we can surely say that it went well.

We also had the SUTC (Student Union Technical Challenge) under which the students union provides financial assistance to projects undertaken by first degree students. Problem statements will be released by the SU for which the teams need to come up with ideas and the selected teams get funding for participation in national/ international level competitions.

Arena 18: Done and Dusted

Rekindling the fire of sportsmanship

Arena, the sports fest of BITS-Pilani, Hyderabad Campus is one of our three main annual fests. It is known across India for being one of the best, if not the best, sports meets in the entire state of Telengana for students across various universities.

In Arena 2018, the Chief Guest was Mr Henry Menezes, an ex Goalkeeper for the Indian football team, One of the main attractions for Arena this year was the Inter BITS tournament. Other than the Pilani contingent not attending, the tournament was an overall success. Goa and Dubai sent their teams, each team winning a few medals. Hyderabad, as stated, won the highest number of medals. The Goa contingent was huge, containing over a hundred students.



Fest Review



Pearl March 2018 did go down as a fest to remember. With 'Memories of the Mile' as its theme, it struck a chord with everybody who had been bitten by the travel bug at some point in their lives.

Verba Maximus '18

Verba Maximus is that time of the year when you celebrate the Wordsworths, the Angelous and the Kings. It's a time when you bring out your inner literary prowess to show that you are better than the rest. It was a collective effort by the English Language Activities' Society, Journal Club, Sanskrit and Foreign Languages Club and Hindi Tarang. All these clubs started working before the winter vacation to bring nothing but the best quality events to the fest. The first day had events such as Bamboozled, Opinion-Editorial, VM Slam, Man from Amorium, Lit Quiz, Yin Yang, and JAM. To set the tone for this year's Verba Maximus which had the theme of Conspiracy Theories, Christopher C. Doyle, the author of the Mahabharata Series, talked about his own version of conspiracies and how they have shaped the world. The evening was brought to life by the Nation's Rock Beat who made the OAT go wild with enthusiasm.

Featuring some exhilarating performances in the inauguration, the reverberating symphonies of the Manan Sound Project, Alison Gabrielle, the Non-Violinist Project and Carnatic 2.0, the crowd reveling to the beats of Tony Junior and Aron Chupa, the melodies of Amit Trivedi and Raghu Dixit Project, the humor of Ashish Shakya, and the dramatic prowess of Saurabh Shukla in his play Barff - our pro-shows offered something for everyone.

Pearl 2018 was an unprecedented success with a footfall of about 900 for events alone, and nearly 6000 for the proshows combined. With exclusive coverage in esteemed newspapers like The Hindu, The Times of India, Eenadu, Sakshi, and Namaste Telangana, our cultural fest caught the attention of people all across the city.

The second day had a completely different vibe to it with the Sherlocked room filled to capacity as the participants were rattled solving the murders of three different people. Journal Club made everyone laugh with their fun-filled event Stone Face. The other events of the day included Symphonies of the Soul, Group Discussion, Picture Perspective, Spell Bee, Youth Mahasabha and the Devil's Advocate. As dusk neared, it marked the end of the day but not the end of the fest. There was one last event and that was the stand-up comedy show by Karunesh Talwar and Kunal Kamra. They set the auditorium on fire with their witty remarks on our daily lives. The fest ended on the 21 January leaving all the participants with memories to cherish for a lifetime.

Campus Community Welfare Activities

The campus community celebrated New Year that ended with cultural performance from kids and adults in the auditorium. This Republic Day, we had the privilege of having children from nearby orphanages for the flag hoisting function and also hosted Road Thrill (Bike riders club) who ended their event conveying the message 'Ambulance First' with radio partner 94.3 FM. A function was organized on the occasion of International Women's day on March 8. Holi was celebrated in the Children's park. A month long summer camp was organized for the children with emphasis on skating, karate and dance. The International Yoga day celebrations on June 21 had participation from faculty, staff and family members. After a brief mention of the history, development and benefits of Yoga, a set of Asanas including Surya Namaskar was done by the group of participants. The celebrations ended with an elaborate Pranayama and a prayer for the well-being of all. The first Goonj collection camp, Rahat – Floods, targeted towards collecting materials for flood victims and for rural masses taking part in community developmental activities, was organized on July 14 in the Children's park and the community extended their support. A second hand 'books and bake sale' was also organized as a part of this event.



Flag Hoisting by Vice Chancellor Prof Souvik Bhattacharyya.



Republic Day Celebrations



Run for A Girl Child event



International Yoga Day



New Year Party



Social Initiatives

Dr Arkamitra Kar volunteered to provide a counselling session on the future prospects in academia for Undergraduate Students of Medinipur College, WB on June 10, 2018. The audience comprised 49 students from the disciplines of Civil, Mechanical, and Electrical Engineering. The other invited speaker was Dr Chandreyee Bhattacharya from AMRI Hospitals, Kolkata, who volunteered to counsel students aspiring for medical sciences. These students belong to the families of local farmers and are funded through an NGO, 'New Alipur Prayaas Welfare Society', based in Kolkata, WB. Dr Kar is an active volunteer and contributor for this NGO since Jan, 2016. The venue was Mangalapur High School in Garbeta, WB.



Farewell to Graduants

The Graduants Party was organized by Alumni Affairs on April 23, 2018. It witnessed a lot of participation from both the outgoing batch and faculty members. The Director, Prof. G. Sundar and a few students spoke on the occasion and wished them the very best for their career and life ahead.



Introducing New Faculty (January 1 - July 31, 2018)

S. No.	Employee Name	Designation	Department	Research Areas
1	Amarthaluri Satyapaul Singh	ASTP-I	Chemical	Catalysis, Kinetics, Adsorption, Material Science & Modeling
2	Lov Kumar	ASTP-I	CS & IS	Software Engineering, Database Management System, Data Mining, Automatic Theory
3	Nirmal Jayabalan	ASTP-I	Pharmacy	Pharmacy (Pharmaceutics)
4	Swastik Bhattacharya	ASTP-I	Physics	General Relativity, Statistical, Mechanics, Cosmology
5	Soumen Nandi	VFAC	CS & IS	Graph Labeling, Problems, Mixed Coloring of graphs
6	Bandhan Bandhu Majumdar	ASTP-I	Civil	Transportation Engineering
7	Vajjha Venkata Hara Gopal	V Professor	Mathematics	Statistical Pattern Recognition financial, Statistics Probability Statistics, Data Analytics
8	Chayan Bhar	VFAC	EEE	Optical Networks, Software Defined Networking
9	Amit Ashok Vernekar	ASTP-I	Chemistry	Bioinorganic and biomimetic, Chemistry Nanomaterials, Drug Delivery
10	Akash Chaurasiya	ASTP-I	Pharmacy	Pharmaceutics Nanotechnology, Sterile Product Development
11	Jayesh A K	ASTP-I	Humanities and Social Sciences	Differential Ontology, Indian Madhyamaka Philosophy
12	J Jabez Christopher	ASTP-I	CS & IS	Machine Learning Data mining
13	B Nandini	ASTP-I	Chemical	Soft Nanotechnology, Polymer Science, Microfluidics
14	Sourav Nandi	VFAC	EEE	Microwave Engineering
15	Vanga Odelu	Asst Professor, Gr-I	CS & IS	Cryptography and Network Security, Algorithms and Data Structures
16	Santanu Koley	Asst Professor, Gr-I	Mathematics	Mathematics
17	Rajesh Kumar Tripathy	Asst Professor, Gr-I	EEE	Signals and System, Digital Signal Processing, Analog & Digital Electronics Circuit
18	Ponnalagu	Asst Professor, Gr-I	EEE	Sensors, Measurements, Signal Processing, Instrumentation & Mine Controllers



Editorial Board

From left to right
 Dr. Lavanya Suresh, Mr. Prasanth Inturi, Dr. Maya Vinai,
 Dr. Santosh Mahapatra, Ms. Aishwarya Rebelly and
 Mr. Udayakumar

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