

# bitscan

Hyderabad Campus

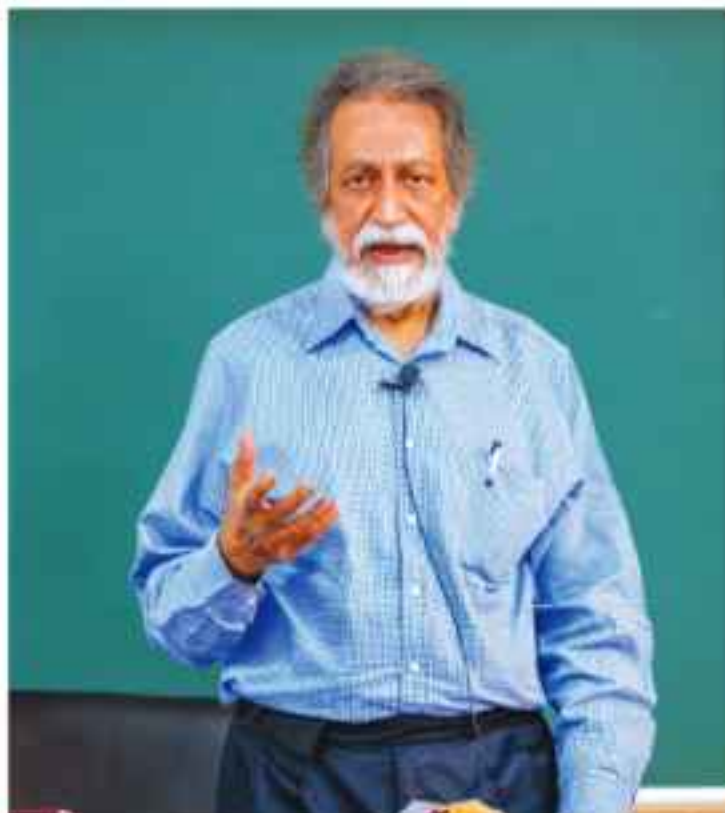




## Eminent Visitors



*Dr. Jörg Weiser, Executive Vice President and Managing Director, Schrödinger GmbH*



*Prof. Prabhat Patnaik, Centre for Economic Studies and Planning (CESP), JNU and Former Vice-Chairman of Kerala State Planning Board*



*Prof. R. Nagaraj, Professor, JGIR Mumbai*



*Prof. G. Rangarajan, Director (Right) - Indian Institute of Science (IISc, Bangalore), with Prof. Souril Banerjee, Dean Faculty Affairs Division (Left)*

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## Confluence of Academic Ideas, Intellect and Information

### Winter Institute in Global Health - WIGH 2020

A 10-day International Winter Institute in Global Health - WIGH 2020 was held from 8<sup>th</sup> to 17<sup>th</sup> January, 2020. It was jointly organized by the Department of Biological Sciences, Apollo Institute of Medical Sciences & Research, and PACE University, New York. The WIGH 2020 theme was Biopsychosocial, Cultural, Political and Spiritual perspectives on Food for Mind, Body and Spirit. The course Coordinators were Prof. Suman Kapur, BITS Pilani, Hyderabad, & Dr. Sonia Suchday, PACE University, New York.



### A two-day workshop - SPARC – UKIERI conducted by the Department of Civil Engineering

A two days International workshop on 'Concept, Theory and Practice of Road Pricing Lessons Learned and Way Forward' was organized by BITS Pilani Hyderabad Campus on March 06<sup>th</sup> July, 2020. The workshop was a part of a Project, and was conducted in collaboration with Cardiff and New Castle University, UK. The investigators acknowledged and appreciated the MHRD, Government of India and UK – India Education and Research Initiative (UKIERI), for awarding the Grant: P1075 and additional UKIERI Grant, to carry forward this research and collaboration with the partnering UK universities. The workshop was designed to engage participants in discussions on: Congestion pricing

concepts and strategies; Specific implementation issues including-Government policy, Planning considerations, Design considerations, Operations & maintenance; Peer operational and implementation of case studies; Outreach and marketing. A Special Issue on this workshop theme is planned for publication during May 2021, in Research in Transportation Economics journal. The special issue is guest edited by Prasanta Sahu, Dimitris Potoglou and Georgina Santos.

The workshop was started with a welcome address by Dr. Bandhan Majumdar, and was followed by an inaugural address by Prof. G. Sundar, Director, BITS Pilani – Hyderabad Campus. The chief guest Mr. Ravinder Rao – Chief Engineer Telangana, PWD, stressed upon the relevance of such a



workshop for Indian city agencies to minimize congestion. The PI, Dr. Prasanta Sahu, delivered the inaugural lecture on Congestion-Decongestion-Congestion (CDC) and outlined the importance of the project and its outcome. Prof. Sridhar Raju, HOD – Civil Engineering, briefed about the usefulness of the project outcome in long term performance of the urban roads. About 12 lectures were delivered and 2 panel discussion were held on the workshop theme.

Some of the eminent speakers were Prof. Dilum Disanayake – New Castle University, UK; Prof. K. V. Krishna Rao, Prof. Gopal Pabli and Prof. Avijit Maji – IIT Bombay; Prof. Arkopal Goswami – IIT Kharagpur; Prof. Tarun Rambha

– IISc Bangalore; Prof. Akhilesh Maurya – IIT Guwahati; Prof. Ashoke Sarkar and Prof. Ankit Kathuria – IIT Jammu; Prof. Digvijay Pawar – IIT Hyderabad; Prof. Srinivas Arkatkar – NIT Surat; Prof. Mohammad Shafi Mir – NIT Srinagar; Prof. Kumar Molugaram – Osmania University. The workshop lectures opened a new set of opportunities for developing sustainable transportation systems that will influence the choices people make and practice, which, in turn, will help government agencies in travel demand management. The panel discussions in the workshop were helpful in identifying the issues, challenges in implementing congestion pricing by city agencies.

### National Symposium organized by The Department of Economics and Finance

The 1<sup>st</sup> National Symposium was organized by the Department of Economics & Finance and the student-run Economics Association, from 14<sup>th</sup> to 17<sup>th</sup> February, 2020. This symposium focused on promoting discussion related to the current Indian economy, particularly keeping the Union Budget 2020-21 and the Economic Survey 2019-20 in mind. Eminent persons from various fields were invited to share their views. It was flagged off by Prof. G. Sundar. The first day saw the insightful Prof. Prabhat Patnaik (Former Faculty, University of Cambridge, UK and JNU, India) sharing the misconceptions of fiscal policy and the impact of the Union Budget 2020-21. Prof. R. Nagaraj (IGIDR, Mumbai) graced the event on the second day with his talk on India's Economic Slowdown. There were esteemed speakers from institutions like Indian Institute of Technology, Kanpur (IIT-K), Jadavpur University, Kolkata Institute of Public Enterprise (IPE), Indian School of Business (ISB) and Industry. The symposium concluded with a panel discussion on the Union Budget 2020-21 on 17<sup>th</sup> February. The panelists included Prof. Amir Ullah Khan (Professor, MCRHRDI), Prof. K. Nageshwar (Professor, Osmania University), and Prof. Yerram Raju (Director, Telangana Industrial Health Clinic Ltd).







### Seventh Meeting of NPDF-ECRA Expert Committee on Life Sciences Conducted by the Department of Pharmacy and Chemistry

The 'Seventh Meeting of NPDF-ECRA Expert Committee on Life Sciences' for ECRA Group Monitoring Workshop (GMW) of Department of Science and Technology (SERB) was conducted during 13<sup>th</sup> - 15<sup>th</sup> February, 2020 at BITS Pilani, Hyderabad Campus (Dept. of Pharmacy and Chemistry). Nineteen Experts working in the field of Health & Pharma, Animals and Plant sciences were invited for the workshop. Around 110 Principal Investigators, who were awarded Early Career Research Grant, attended this workshop. The meeting was co-ordinated by Dr. A. Sajeli Begum, Associate Professor and Head, Department of Pharmacy, BITS Pilani Hyderabad Campus.



### Science Quiz by Department of Biological Sciences

The final round of Science Quiz competition for school students of South India was organized by Dr. K. V. Rao Scientific Society, Hyderabad, and Dept. of Biological Sciences, BITS Pilani, Hyderabad Campus, on 1<sup>st</sup> February, 2020. Thirty students participated in the final rounds of the quiz. Two scientific talks were delivered by Prof. Kumar Pranav Narayan (Biological Sciences) and Prof. Jayanty Subbalakshmi (Chemistry).



## International Conference on Drug Discovery 2020 organized by The Department of Pharmacy and Chemistry

BITS Pilani Hyderabad Campus in association with Schrodinger, LLC, USA conducted the 'International Conference on Drug Discovery 2020,' from 29<sup>th</sup> February to 02<sup>nd</sup> March, 2020, at our campus bringing scientists from Global Pharma R&D and academia together to discuss the recent advances in drug design and discovery. There were more than 60 talks and 470 scientific poster presentations scheduled in 3 days of the conference. There were about 1100 delegates registered for this event.



## Monsoon Brain Meeting - International Neuroscience Conference organized by the Department of Computer Science and IIT Kanpur

Dr. Venkatakrishnan Ramaswamy, from the Department of Computer Science, BITS Pilani (Hyderabad Campus) organized an online International Neuroscience Conference, called the Monsoon Brain Meeting from 24<sup>th</sup> to 26<sup>th</sup> June, 2020 in collaboration with Arjun Ramakrishnan (IIT Kanpur). This conference had 16 invited speakers from India & abroad, 400+ registered participants from across the world and had contributed submissions from about 150 participants globally. The conference was funded by the DBT-Wellcome Trust India Alliance as well as the Prabiksha Trust.



## Activities conducted by TLC (Teaching Learning Centre)

Teaching Learning Centre (TLC) of BITS Pilani from Pilani, Hyderabad and Goa Campuses, organized an international conference on Best Teaching Practices for Engaged Student Learning during 13<sup>th</sup> – 15<sup>th</sup> February, 2020. The new global knowledge economy which is driven by information and communication, has significantly changed the way universities and higher educational institutions function. This is compounded by the expectations of contemporary students who are learning focused, achievement driven, and rely extensively on technology for their support. In this changing milieu, educational institutes will have to identify innovative ways to create value for their students and remain relevant. The aim of this conference was to bring together academicians, administrators, researchers, technologists and industry personnel to share valuable insights and engage in thought-provoking discussions on collaborative learning that would enhance the students' engagement in learning, thereby facilitating students' all-round growth. The conference focused on techniques, methods and pedagogies that would help educational institutions effectively use their resources and enhance the overall learning experience for students and pave the way for mutual long standing collaborations.

The conference had keynote sessions, workshops and poster presentations related to the theme of the conference.

### Topics that were discussed and deliberated included:

- Evidence-based pedagogues that improve student learning
- Enhancing classroom experience for better student learning
- Human factor in personalized learning
- Creating inclusive classrooms
- Technology-infused, yet person-driven learning
- Enhancing the teacher-student relationship to foster a better learning environment
- Teaching philosophies for better student engagement
- Outcome-based learning





## Lending a helping hand during the Pandemic

During the trying times of the Covid-19 pandemic, the institute played a significant part in bringing relief to the inhabitants of villages situated in the vicinity of the campus. More than 1800 families were helped by a four-phase essential goods distribution drive which was conducted by the faculty and staff with the help of the local authorities. In the first three phases, about 400 families (each family comprising of approximately 4 members) were provided with essential goods such as Rice, Dal, Atta, Oil, Salt, etc. and 650 families were reached in the fourth phase. Almost 2000 face masks were given in total along with these essentials. Apart from this, over 100 cooked food packets were distributed twice everyday from 16<sup>th</sup> April to 14<sup>th</sup> May.

The distribution of essential goods to the inhabitants of villages situated in the vicinity of the campus took place in four phases covering 1032 families (each comprising approximately 4 members - 7328 members). The phase wise distribution details are as follows.

- **Phase 1:** 419 families (1676 members) were provided each with - 2 Kg Rice, 5 Kg Dal, 5 Kg Atta, 2 Packets of Oil, 2 Kgs Sugar, 1 Kg Salt, 200 grams Tea, 100 grams Turmeric, 100 grams Chilli Powder, 2 Detergent Bar, 2 Bath Soaps.
- **Phase 2:** 350 families (1400 members) were provided each with - 10 Kgs Rice, 2 Kg Dal, 1 Packet Oil, 100 grams Turmeric, 100 grams Chilli Powder, 2 Detergent Bar, 2 Bath Soaps.
- **Phase 3:** 413 families (4 members - 1652 members) were provided each with - 10 Kgs Rice, 2 Kg Dal, 1 Packet Oil, 100 grams Turmeric, 100 grams Chilli Powder, 2 Detergent Bar, 2 Bath Soaps.
- **Phase 4:** 650 families (2600 members) were provided each with - 10 Kgs Rice, 2 Kg Dal, 1 Packet Oil, 100 grams Turmeric, 100 grams Chilli Powder, 2 Detergent Bar, 2 Bath Soaps.
- Distributed 100/150 packets of Cooked Food - Rice-500 grams, Dal/Sambar, Curry, Pickle, two times every day for a period of one month, from 16<sup>th</sup> April to 14<sup>th</sup> May, 2020.
- Distribution of 1850 Face Masks:





## International Visits by Faculty (Jan-Jun 2020)

Dr. Sharon Mariam Varughese and Dr. Nandini Bhandaru, from the Department of Chemical Engineering presented a paper titled 'Underwater durability of patterned hydrophobic surfaces,' in 4<sup>th</sup> Indo-German Workshop in Materials, Reaction and Separation Processes 2020, at Berlin, Germany, during February 2020.

Dr. Bandhan Bandhu Majumdar, from the Department of Civil Engineering, presented a paper titled 'Expenditure-based Segmentation of Freight Travel Markets: Identifying the Determinants of Freight Transport Expenditure for Developing Marketing Strategies' in the 99<sup>th</sup> Annual Meeting of the Transportation Research Board of the conference, at Washington DC, USA, during January, 2020.

Dr. Subhrakanta Panda, from the Department of CSIS, presented a paper titled 'A Comparative Analysis of Community Detection Methods in Massive Datasets' in International Conference on Modeling, Simulation and Intelligent Computing (MoSiCom), held at BITS Pilani Dubai Campus, Dubai, UAE, during 29<sup>th</sup> - 31<sup>st</sup> January, 2020.

Dr. Subhrakanta Panda, chaired a session in International Conference on Modeling, Simulation and Intelligent Computing (MoSiCom), held at BITS Pilani Dubai Campus, Dubai, UAE, during 29<sup>th</sup> - 31<sup>st</sup> January, 2020.

Dr. Sumit K. Chatterjee, from the Department of EEE, presented a paper titled 'Low Complexity DCT Approximation Algorithm for HEVC Encoder' in MoSiCom 2020, at BITS Pilani, Dubai Campus, during 29 to 31 January 2020.

Dr. Syed Ershad Ahmed, from the Department of EEE, presented a paper titled 'Design of Efficient Approximate Multiplier for Image Processing Applications' in MoSiCom 2020, at BITS Pilani, Dubai Campus, during 29<sup>th</sup> - 31<sup>st</sup> January 2020.

Dr. Sayan Kanungo, from the Department of EEE, presented a paper titled 'First Principle Calculation Based Investigation on the Two Dimensional Sandwiched Tri-layer Van der Waals Hetero-structures of MoSe<sub>2</sub> and SnS<sub>2</sub>' in MoSiCom 2020, at BITS Pilani, Dubai Campus, during 29<sup>th</sup> - 31<sup>st</sup> January 2020.

Dr. Anhiti Patnaik from the Department of Humanities and Social Sciences presented a paper titled 'Transgender Bodies in New Media Poetry' at the North Eastern Modern Language Association Conference at Boston in March 2020.



## Faculty Awards / Achievements

Prof. Sounak Roy, from the Department of Chemistry was awarded Associate Fellowship of Telangana Academy of Sciences, and won NASI Young Scientist Award (Finalists).

Prof. Subit Kumar Saha, from the Department of Chemistry, was awarded Prof. S. Venkateswaran Faculty Excellence Award.

Prof. K. Srinivasa Raju, from the Department of Civil Engineering, has been appointed as an editor for the 'Journal of Water and Climate Change', International Water Association Publishing, with effect from 1<sup>st</sup> July, 2020 for a period of three years.

Dr. Arkamitra Kar, from the Department of Civil Engineering, was selected as a member of the RILEM TC MPA. This committee is intended to develop working standards for determining the mechanical behavior of Alkali Activated Concrete.

Dr. Bandhan Majumdar, from the Department of Civil Engineering, was awarded International Travel Grant (ITS) from DST, Government of India for presenting paper in 99<sup>th</sup> annual meeting of the Transportation Research Board in Washington DC, USA in January, 2020.

Dr. Venkatakrishnan Ramaswamy, from the Department of Computer Science, was awarded a 2020 Grass Fellowship, by the Grass Foundation, USA one of ~9 early-career investigators so awarded globally each year. Venkat is the first person with an Indian affiliation to be awarded this prestigious fellowship in over 4 decades. The fellowship provides the opportunity to spend ~3 months of a summer performing independent research at the Marine Biological Laboratory (MBL) in Woods Hole, Massachusetts, USA, funded by a Grass Foundation. While this year's research component at the MBL stands cancelled due to Covid-19, he will have the opportunity to spend a subsequent summer at the MBL for the same.

Dr. Lavanya Suresh was awarded the Justice ES Venkataramiah Memorial Prize in Development Administration by the Institute for Social and Economic Change (ISEC), Bangalore on 20th January 2020 for outstanding PhD Thesis among the theses submitted during the period 2014-19.

Prof. Tathagata Ray, from the Department of Computer Science, was part of the Organizing Committee for CALDAM 2020, 6<sup>th</sup> Annual International Conference on Algorithms and Discrete Applied Mathematics conducted by

IIT Hyderabad from 13<sup>th</sup> to 15<sup>th</sup> February 2020. He was also the co-convenor of the pre-conference school of CALDAM 2020 which was conducted on 10<sup>th</sup> and 11<sup>th</sup> February 2020.

Dr. Amit Ranjan Azad, from the Department of Electrical Sciences, was awarded Young Scientist Award, URSI Regional Conference on Radio Science 2020, 12<sup>th</sup>-14<sup>th</sup> February, 2020, IIT(BHU) Varanasi, India.

Prof. Sanket Goel, from the Department of Electrical Sciences, was elected as Associate Editor, IEEE Transactions on Nano Bioscience Mathematics.

Prof. B. Mishra, from the Department of Mathematics, was elected as a Fellow of Royal Astronomical Society, London.

Dr. Manish Kumar, from the Department of Mathematics, received the Young Scientist Award 2020 by VDGOD Professional Association, India.

Dr. Santanu Koley, from the Department of Mathematics, article titled 'Wave interaction with a submerged semicircular porous breakwater placed on a porous seabed' is one of the most cited articles of the journal 'Engineering Analysis with Boundary Elements' in 2020.

Dr. Nirmal Jayabalan, Dr. Akash Chaurasia, Prof. Vamsi K. Venuganti and Prof. Arti Dhar, from the Department of Pharmacy received new research grant approvals from ICMR.

### Patents

3-(1H-Indol-3-yl)-1, 3-diphenyl propane-1-one derivatives as anticancer agents and a process of synthesis thereof: Shovanlal Gayen, Umesh Kumar Patil, Kalpataru Das, Balaram Ghosh, Dipayan Mondal, Indian Patent Application Number 202021014498, App No. TEMP/E-1/15487/2020-MUM; Filed on 1<sup>st</sup> April, 2020.

3-(3-oxoaryl) indole as anti-cancer agents and a process of synthesis thereof: Shovanlal Gayen, Umesh Kumar Patil, Kalpataru Das, Balaram Ghosh, Tarun Patel, Ruchi Gaikwad, Indian Patent Application Number 202021014497, App No TEMP/E-1/15474/2020-MUM; Filed on 1<sup>st</sup> April, 2020.

Lanka Tata Rao, Arshad Javed, Satish Kumar Dubey and Sanket Goel, A Device for Making Designs on a Substrate, Indian Patent filed on 19 May-2020, Application Number: 202011020964



## Student Awards / Achievements

### Biological Sciences

Rohit Nautiyal, a 1<sup>st</sup> Year M.E student, was short listed for short term- training program at CDRI-Lucknow and will be working under the Principal Scientist, Dr. Kalyan Mitra.

Akansha Rai, a 1<sup>st</sup> year M.E. student won a cash prize of ₹18,875 and selected among the top 5 best international finalists for her Graphical Abstract titled: 'From Garbage To Gold: Recycling E-Waste to Obtain Gold Using Plants', under Plant, Animal & Environmental Sciences category.

A team of seven students from First Degree, 3<sup>rd</sup> year Biophysics class, under the guidance of Dr. Debashree Bandyopadhyay, Department of Biological Sciences, has participated in a 'Mega Online Challenge - Samadhan, Covid -19' competition, organized by MHRD, Government of India, from 18<sup>th</sup> April to 25<sup>th</sup> April, 2020. They have qualified round one of the competition. Title of the proposal was 'Early Detection Strategy of Covid-19 - Neural Network Approach Based on Immunological Markers'



### Chemistry

Sankalp K. G. (2016B2A30683H)-won five awards

- Certificate of publication for the article titled: A Correlation Story of Syntheses of ZnO and their influence on Photocatalysis
- Appreciation certificate for 'Hack the Crisis in India'
- Covid-19 Innovation Challenge Demo Day Finalist
- First in Tech Expo ATMOS-2019
- Approval for SIP project- Water Soluble Flexible Nano Electronic Devices for sensing and Memristor Application.

Pranav Jhaveri (2016B2A30663H)-secured an Award 'IISER-Report Live on Academy's website - Pressure Dependent Studies of Transport Properties of Black Phosphorus.'

Deepti Sheoran (2019B2P51541H)-won second position in the Volleyball Competition held as part of ARENA '20.

S. Abhishek (2017B2A41421H)-won 4 Gold, 2 Silver, 5 Bronze Rubik's Cube Tournament- World Cube Association in 2019.

Manasa Pitta (2017B2A11655H)-won a Certificate for Poster Presentation in the CCM Conference

Mithula Shivani (2017B2A11411H)-secured a Certificate of Participation for poster presentation in the CCM conference held in December 2019.

D. S. S. Sruthi (2017B2A11695H)-gave a poster presentation on 'Removal of Fluoride Content from Drinking Water using Carbon Doped Zirconium' in the CCM Conference.

Nitya Gupta (2018B2A80734H)-who formed 'First Girls' Squash Team' received 2<sup>nd</sup> prize for the same in ARENA.

### Civil

Agnivesh Pani - Ph.D. Student received the Best Paper Award from AT015 - 'Freight Planning and Logistics Committee of Transportation Research Board (TRB)', National Academies of Sciences, Engineering and Medicine, Washington DC, USA during the 99<sup>th</sup> Annual Meeting of TRB -January 2020 at Washington DC.





## Computer Science

A team of 6 Third Year Students, Sivaramakrishnan K. N., Rohit Dwivedula, Vamsi Nallapareddy, Shashank Sistla, Sahej Veer and Varad Kshirsagar, participated in the Annual Hackathon conducted by innovapptive Inc. and emerged as the first runner-up while competing against both Corporate and College Teams. They were awarded a cash prize of ₹50,000 for the same by the CEO of Innovapptive, Mr. Sandeep.



## Economics and Finance

Aastha Dave (2017B3AA0959H)-was awarded Future Research Talent Fellowship, with complete funding to pursue Research Internship at the Australian National University in Canberra. She was among the 57 students chosen all over India and the only one to qualify among the many applicants from BPHC.

Pratik Kamdar (2017B3A70976H)-co-authored a paper with Dr. Rishi Kumar, entitled 'The Output-Inflation Trade off as a Result of Inflation Targeting' has been accepted for Oral Presentation at the Eleventh International Conference on Economics (EconWorld2020@Tbilisi) to be held in Tbilisi, Georgia from 26<sup>th</sup> to 28<sup>th</sup> August, 2020.

Kedar Charkha (2018B3A70912H)-A captured and edited a photograph which featured in the Photoscape section of the June issue of Asian Photography Magazine, the Oldest Premier Photography Magazine.



Vibha Narendra (2019B3PS1302H)-was selected amongst the top 300 projects in Hack the Crisis - India, A National Hackathon Organised as part of a Global Hackathon Series by Garage48 Estonia and MEITY (Government of India) in Association with several CEO's of Organisations across the country. It was organised in the first week of April.

## Mathematics

Jaina Shah (2016B4A70496H)-with her team got short listed in amongst Top 5 in an event named 'SparkPlug' held on 29<sup>th</sup> May, 2020. It was a virtual Hackathon organized by Walmart Labs India.

## Mechanical

Pranjal Shukla (2017A4PS0634H) and Revathi Iyer received Award for Excellence in Technical Writing & Received Best Paper Award (Excellence in Oral Presentation) Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility (#ADMMS2019).

Vidhukiran Venkataraman (2016A4PS0920H)-received NTU India Connect Research Fellowship.

Utkarsh Rastogi (2017A4PS0734H)-received the Best Paper Award (Excellence in Oral Presentation) Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility (#ADMMS2019).

Ajith Reddy Moola (2017A4PS0619H)-received the Best Paper Award (Excellence in Oral Presentation) Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility (#ADMMS2019).

## Pharmacy

Ms. Tabitha Grace Royal (2017A5TS1174H), a B. Pharm 3<sup>rd</sup> year student, was selected for the Khorana Program for Scholars 2020 which is a tripartite arrangement between the Department of Biotechnology (DBT), Government of India, WINStep Forward, and the Indo-U.S. Science and Technology Forum (IUSSTF). She will pursue her internship at University of California, San Diego.

Research Scholars Ridahunlang Nongkhaw, Parameswar Patra, Priyadarshini Sathe and Girdhari Roy have been Awarded with ICMR Senior Research Fellowships.



## Sanctioned Projects during Jan-Jun 2020

S No	Title of the Project	Name of the Principal Investigator	Department	Co-PI	Funding Agency	Amount (Rs)	Sanctioned Date
1	Pre-Clinical Efficacy Evaluation of three Synthetic Peptides for the Treatment of Inflammatory Bowel Disease & Sepsis	Dr. D. Sriram	Pharmacy	Dr. Arti Dhar	ISSAR	2980000	01 <sup>st</sup> Jan, 2020
2	MUT-DROCO: Multi Path Networking Test-bed for DROne Communications	Dr. Paresh Saxena	CSIS		DST	1660600	3 <sup>rd</sup> Jan, 2020
3	Molecular Genetic Analysis of SchizoPhrenia Patients	Dr. Naga Mohan K	Biological Sciences		DST	6042360	06 <sup>th</sup> Jan, 2020
4	Adaptive and Efficient Method of Fundamental Solutions for the Numerical Reconstruction of Boundary Data in Two-phase Inverse Stefan Problems	Dr. Guji Mohan Murali Reddy	Mechanical Engineering		DST	1045000	06 <sup>th</sup> Jan, 2020
5	Development of Cost Effective	Dr. I Sreedhar	Chemical Engineering		HBL	504000	30 <sup>th</sup> Jan, 2020
6	Environmental Entro Dysfunction in Explaining Heightened Calorie	Dr. Zakaria S	Humanities and Social Sciences		Collaborative Research project University of South Australia	240000	01 <sup>st</sup> Feb, 2020
7	True Relative of Suslin Normality Theorem for Elementary Groups and Transfection Groups	Dr. Pratyusha Chattopadhyay	Mathematics		DST	660000	11 <sup>th</sup> Feb, 2020
8	Magnet Oplasmonic Studies on Cobalt Nickel based Nano Structures	Dr. Runa Kumari / Ms. Priyalatha	EEE		WOS-DST	2534000	12 <sup>th</sup> Feb, 2020
9	Automated IoT based Micro Fluidic Electro Chemiluminescence ECL Biosensing Platform for Various Biomarker Detection	Dr. Prasant Kumar Pattnaik	EEE	Dr. Sanket Goel	DST	5142307	24 <sup>th</sup> Feb, 2020
10	MRI based on Non-Invasive Quantitative Biomarker for Early Diagnosis and Prognosis of Brain Tumor	Dr. Venkateswaran Rajagopalan	EEE	Dr. Prabha-kar rao	DBT	1748360	21 <sup>st</sup> Feb, 2020
11	Determination of Wind Loads Acting on Different Standard Building Models And Comparison with Identical Scenario Obtained Using Results from other Tornado Simulators	Sabareesh G R	ME		Joint Usage Research Program, TPU, Japan	2550000	March 2020
12	Development of Rapid point-of-care diagnostic kit for infections associated with combat war wounds and sepsis in armed forces	Dr. Ruchi Jain Dey	Biological Sciences	Dr. Trinath Jamma	DRDO- LSRB	3982000	20 <sup>th</sup> Apr, 2020
13	A Formulation to Prevent Transmission of SARS-CoV-2 virus	Dr. Suman Kapur	Biological Sciences		CSR-1	3000000	29 <sup>th</sup> Apr, 2020
14	Testing for Covid-19 using an available Platform	Dr. Suman Kapur	Biological Sciences		CSR-2	3150000	01 <sup>st</sup> Jun, 2020
15	Theoretical and Simulation Based Approaches to Determine the Forming Limit Diagrams of Ti-6Al-4V at Elevated temperatures	Dr. Kurra Suresh	Mechanical Engineering	Dr. Sujith R	DRDO - ARDB	1550600	19 <sup>th</sup> Jun, 2020
16	Machine Vision based Adaptive Quality Assurance System for Aerospace Vehicle Assembly Unit	Dr. Sandip S Deshmukh	Mechanical Engineering	Dr. Chandu Parimi	DRDO	3907830	24 <sup>th</sup> Jun, 2020



## International Programmes & Collaborations Division (IPCD)

Nine students did their off campus thesis abroad. Of these students, IPCD provided the 'Partial Financial Support' to five students in Second Semester of 2019-20. The details are given below:

- Yashdeep Thorat - National University of Singapore
- Suresh Nambi - Technische University Dresden, Germany
- Vinith Kumar Bhandari - University of Vienna, Austria
- Aditya Y. Lohana - Technische University Dresden, Germany
- Akhil Raj Baranwal - Technische University Dresden, Germany

Three students have been selected under STEM by Macquarie University to do the off-campus thesis at Macquarie University, Australia. Three undergraduate students and one Ph.D. student will undergo ILDP-Internship at Hiroshima University. One undergraduate student has been selected in the Khorana Program for Scholars, University of California, San Diego. Six students have been selected for Future Research Talent Scholarship of Australian National University. Three students are selected to undergo 3+2 program with Queensland University.

### Visiting Speakers and Collaborations:

There were 8 international visitors visited our campus for delivering talk and interacting with students and faculty members. Prominent among them are;

Dr. Lim Show Jin, DXN Institute, Alor Setar, Malaysia visited on 13<sup>th</sup> January, 2020 for exploring possibility for collaboration.

Smt. Padmavathi Chandramouli, DAAD Germany visited on 31<sup>st</sup> January, 2020 for delivering talk on Higher Studies & Research Opportunities in Germany.

A team of 3 delegates - Dr. Sonia Suchday, PACE University, NY, USA and Dr. Srinivas Pentyala, NY, USA, on 8<sup>th</sup> January 2020; Dr. Linda Olszewski, PACE University, NY, USA, on 9<sup>th</sup> and 10<sup>th</sup> January, 2020, interacted with students and faculty members during WIGH-2020.

Prof. Frohan Schauf and Dr. Roland Bottcher, IGCH, Germany (Bochum University of Applied Science), visited on 20<sup>th</sup> February, 2020 for exploring possibility for Collaboration.

Prof. Greenberg, University of Wisconsin-Madison, visited on 21<sup>st</sup> February, 2020 for delivering talk on How to do a semester abroad program (SAP).



Prof. Bivudutta Mishra, Associate Dean, IPCD with the chairman of DXN Institute (Dr. Lim Show Jin), Alor Setar, Malaysia). (Left to Right)



## Distinguished Lecture Series

Guest Lecture by	Organization	Topic of the Talk	Department	Date
Prof. Sri Parameswaran	University of New South Wales, Sydney	A Hardware Counter measure against Side Channel Attacks on Block Ciphers	Electrical Sciences	02 <sup>nd</sup> Jan, 2020
Dr. Vamsi Krishna Sridharan	University of California, Santa Cruz	Numerical Models to address Key Scientific and Management Challenges in Complex and Heavily Human-Impacted Surface Water Systems.	Civil	4 <sup>th</sup> Jan, 2020
Prof. Srinivas Kotyada	IMSc. Chennai	Number Theory and Secure Communication	Mathematics	9 <sup>th</sup> Jan, 2020
Mr. Hridyesh Tewani	University of Wisconsin-Madison	Studies and Uses of Composite Materials	Civil	14 <sup>th</sup> Jan, 2020
Prof. Ashis Sen Gupta	ISI Kolkata	Statistical Learning for Big Manifold Data	Mathematics	20 <sup>th</sup> Jan, 2020.
Dr. Aaditeshwar Seth	IIT Delhi	Ensuring Responsible Outcomes from Technology	Computer Science	22 <sup>nd</sup> Jan, 2020
Prof. C. Ramachandraiah	Centre for Economic and Social Studies, Hyderabad	Urban Mobility in Hyderabad: Issues and Challenges	Humanities and Social Sciences	6 <sup>th</sup> Feb, 2020
Mr. M. Raghupathi	L&T with expertise in steel structures	Work on Motera Cricket Stadium	Civil	8 <sup>th</sup> Feb, 2020
Prof. Pushpesh Kumar	University of Hyderabad	Sexuality and Development	Humanities and Social Sciences	10 <sup>th</sup> Feb, 2020



Guest Lecture by	Organization	Topic of the Talk	Department	Date
Dr. Raman M. Sundaram	ICAR-IIRR, Hyderabad	Multi-Trait Improvement in Rice through Molecular Breeding	Biological Sciences	21 <sup>st</sup> Feb, 2020
Dr. Rajakumara Eerappa	IIT Hyderabad	UHRF1-SRA recognizes Non-CG Methylated DNAs. Who decides Flip or not to Flip 5-Methyl Cytosine?	Biological Sciences	14 <sup>th</sup> Feb, 2020
Prof. V.V.S.S. Srikanth	University of Hyderabad	Graphene Nanocomposites for Energy Storage	Mechanical	15 <sup>th</sup> Feb, 2020
Dr. C. P. Ravikumar	IIT Madras	Verification, Testing, and Validation of VLSI Chips	Electrical Sciences	27 <sup>th</sup> Feb, 2020
Sh. Satyendra Kumar	CRRRI New Delhi		Civil	28 <sup>th</sup> - 29 <sup>th</sup> Feb, 2020
Prof. Asheesh Srivastava	IISER, Bhopal	Tweezers with a Twist: New Fluorescent Molecular Tweezers and the Surprises Therein	Chemistry	Feb, 2020
Prof. Hrushikesh Mohanty	Vice-Chancellor, KIIT DU, Bhubaneswar	Digital Society and Anthropomorphic Agents: Trust, Sentiment, and Business	Computer Science	12 <sup>th</sup> Mar, 2020
Dr. Manjari Kiran	University of Hyderabad	Part I: Brief Overview of Bioinformatic Tools for Next-Generation Sequence Analysis  Part II: Long Non-Coding RNAs are Promising Biomarker for Diagnosis and Prognosis in Cancers	Biological Sciences	12 <sup>th</sup> Mar, 2020
Dr. Balaji Rao	CSIR SERC	Reliability Applications in Structural Engineering	Civil	20 <sup>th</sup> and 21 <sup>st</sup> Apr, 2020



Guest Lecture by	Organization	Topic of the Talk	Department	Date
Dr. Sham Ravindranath	IIT Roorkee	Rheology of Bitumen	Civil	7 <sup>th</sup> May 2020
Prof. Michael Puett	Harvard University	Ritual, Sincerity, and Human Flourishing: Theories from Classical China	Humanities and Social Sciences	8 <sup>th</sup> May, 2020
Yogeshwar Bachhav	AiCuris Anti-infective Cures GmbH, Germany	Development of a Dosage for an Investigational Drug: Specialfocus on Re-purposing an Antiviral Drug for Covid-19 Treatment.	Pharmacy	9 <sup>th</sup> May, 2020
Mr. T. K. Shubhash	Hindustan Colas Limited, Mumbai	Challenges in Design & Construction of World's Tallest Rail Bridge	Civil	23 <sup>rd</sup> May 2020
Er. Saibaba Ankala	Indian Railways	Challenges in Design & Construction of World's Tallest Rail Bridge	Civil	27 <sup>th</sup> May 2020
Mr. Sayandeep Biswas	ITC Limited	EPC Contract Management	Civil	30 <sup>th</sup> May 2020
Mr. Subhadeep Ghosh	USA	Computer Application in CE	Civil	2 <sup>nd</sup> Jun, 2020
Prof. A. Veeraragavan	Professor, IIT Madras	Introduction to Pavement Management System	Civil	15 <sup>th</sup> Jun, 2020
Prof. Rajib B. Mallick	Civil & Environmental Engineering	Utilization of Reclaimed Asphalt Pavement in Flexible Pavements	Civil	15 <sup>th</sup> Jun 2020
Prof. C. Malla Reddy	IISER, Kolkata	Chemistry of Molecules in Solid-State: Mechanical Effects	Chemistry	30 <sup>th</sup> Jun, 2020



## Student Events

### VERBA MAXIMUS 2020

The annual literary fest of the campus, Verba Maximus, was organised on 18<sup>th</sup> and 19<sup>th</sup> of January this year with the theme Happily Never After. The regional rounds were held by the organising committee in the cities Hyderabad, Pune, Delhi and Bangalore. The different clubs namely ELAS, Hindi Tarang, SaFL and Journal club had their different writing and speaking events such as Symphonies of the Soul, Interfictio, Spell Bee, Slam Poetry, Youth Mahasabha, to name a few. The headliner event, Sherlocked, was a usual attraction for the participants. A flagship writing workshop was also conducted on the second day of the fest by 'Terribly Tiny Tales'. On the same day, Varun Thakur- a stand up comedian was invited for the ProShow. Prominent personalities in the field of slam poetry such as Megha Rao, a poet at Kommune and UnErase and Drishti Nagda, founder of Hyderabad Poetry Project judged the slam poetry event and performed their pieces as well. An online writing event named A Tale of Two Worlds was also a highlight for this year's Verba Maximus.



### Arena 2020

Organized between 23<sup>rd</sup> and 26<sup>th</sup> of January with the official mascot LOBO, Arena 2020 was a remarkable amalgamation of enthusiasm and sportsmanship. With a myriad of sports events like football, cricket, basketball, badminton, athletics, etc., the campus witnessed the adrenaline rush of the spectators as well as the participants. Indoor games like chess, table tennis, power lifting, carom, etc. witnessed equal amounts of zest. With the bustling numbers of food stalls and activities, the students were never at rest and the excitement in the atmosphere was truly commendable. ProShow's organised in the fest were another testimonial for the adrenaline rush amongst the students. Nishit Chauhan, popularly known as Btor was the DJ for the EDM night on 25<sup>th</sup> January, followed by the duo EDM artist from Portugal, KEVU. The organising committee also launched the official Arena app which helped the users find the relevant information and updates. Apart from the number of sponsors like Swiggy, Telangana Today, FabLabs, Cosco, the hard work and enthusiasm of the students is what made the annual sports fest a success.







## Republic Day Celebrations

The 71<sup>st</sup> Republic Day celebration was near Stage 2, where Professor S. P. Regalla hoisted the National Flag. Earlier in the day, the Student Welfare Division organised 1.7km and 3.4km runs where students, faculty, staff and community members participated. The flag hoisting was followed by a dance performance by Swaranjali, patriotic song by students and a slam poetry by Hindi Tarang. The prize distribution for the marathon was also a part of the celebration along with distribution of gifts to outsourced employees and sweet distribution. The quiz club also held a 'India Quiz' the next day as part of student initiatives of Republic Day Celebrations.





## Ignite'20

The annual social fest, which is organised by Nirmaan BPHC Chapter, was held from 7<sup>th</sup> to 9<sup>th</sup> February, this year. With the motto of 'Every Child is Special', the 9<sup>th</sup> edition of Ignite was organised for around 330 not so fortunate kids from various homes in and around Hyderabad. The fest was inaugurated with a bang on 7<sup>th</sup> February by Chief Guest Dr. B. V. Pattabhiram, a prominent psychologist and one of the most celebrated magicians of the country, along with director Prof. G. Sundar (Director), Prof. Sundeep Deshmukh, the associate dean and Prof. Suman Kapur, the faculty in-charge. A lot of workshops and events were conducted over the course of three days like sports, self defense, magic show, English workshop, science fair, poster making competition, career counselling, origami and many more. The smiling face of the children was testimonial of how they were having the time of their life and the volunteers made warm memories for their lifetime.



## Launchpad'20

With the goal of promoting entrepreneurship and networking for minds with novel ideas, E-Cell BPHC Chapter organised its Annual Entrepreneurship Summit, Launchpad, on 15<sup>th</sup>-16<sup>th</sup> February, 2020. The internship drive which was a success in 2019 had a revised second edition this time. Start-up Expo event which is a part of the summit provided a platform for showcasing enterprises to an exclusive investors panel. The other events like Ground

Reality and Beyond Profit were the highlights as well. The chief guest this year was Kiran Khalap- MD and Co-founder of Chlorophyll. The speakers invited to this year's summit are renowned names like Dr. Aniruddha Malpani - Founder and MD of Malpani Ventures, Pankaj Dubey - MD of Polaris India, Murali Krishnan - CBO at Wow! Momo and Salil Sreen - Senior Director of Myntra. The summit was carried out successfully and marks one of the important student initiatives in promoting the importance of innovation.



## Tech Week 2020

Involve-Solve-Evolve, the idea behind a week long amalgamation of intra-campus events organised by the Multiple Technical Associations of the college, Tech Week was held between 10<sup>th</sup> and 16<sup>th</sup> February this year. Some of the events that were a part of this year's Tech Week are Smart Campus's Hackathon, Solidworks Workshop by SAE Collegiate Club and Team Vulcan, competitive coding workshop by CSA and Crux, etc. Every technical association had a competition related to their background open for all the students to participate. Spectrum also organised a talk by Professor Kannan Ramaswamy on 'The Art of Scientific Writing'. The technical senate also had a Tech Night, where the students who have worked on projects over the last year shared those with the other students. Synapsis had a talk by Dr. Rajakumara Eerappa - an Associate Professor at IIT Hyderabad, and a paper presentation by a Ph.D scholar and a dual degrees student.

## Holi Celebration

After the exhausting Mid Semester Exams, the students had the opportunity to blow off some steam on Holi celebration organised by the Sangam - one of the campus' Regional Associations. The celebration started around 10 in the morning of 10<sup>th</sup> of March in the hockey field where students gathered to play with colours. Refreshments were also provided and it was joyous and delightful celebration.



## Gender Champion Events

The Gender Champion Team of the campus aims at increasing awareness about gender disparities and closely associated issues. To fulfill the purpose, they host events which let the students of campus acknowledge the need of awareness. The first event was at the very beginning of the semester on 15<sup>th</sup> of January - a poster making competition on Gender Sensitization and Promoting Gender Equality. It was open for the two categories of students and campus' kids. The participants were free to make handmade or digital posters which were judged by Dr. Aswathy Raveendran and Dr. Sumit Kumar Vishwakarma. On the 10<sup>th</sup> of February, the team hosted a talk on Sexuality and Development which was given by Prof. Pushpesh Kumar, a faculty member in the Department of Sociology at University of Hyderabad. He started with discussing what's the definition of sexuality and then we moved on to deeper topics like how do development and sexuality go hand in hand, and how the Government has persistently neglected sexuality as a factor in the discourse of development. He talked on various topics such as LGBTQ movements, the abolition of Section 377, marital rape being a normal practice in Indian households, etc. We ended our discussion with a view that although the government has started addressing sexuality as a topic but there is still a long way to go where we properly acknowledge 'sexuality' as a development agenda.



Aishwarya Ponnailagu, participant and winner



HSS Faculty, with students and Prof. Pushpesh Kumar



## TEDx BITS Hyderabad (3<sup>rd</sup> February)

One of the most awaited conglomerations of talks organised by a student body is the TEDx Event, which was held on 3<sup>rd</sup> February this semester. There were ten speakers invited from different walks of life. Dineout Founder and CEO Ankit Mehrotra, Adela Stravoka - Co-founder of a multinational start-up Chezuba and a social benefactor shared lessons from their entrepreneurial journey. Stand-up comedian Neville Shah; B-boying dancer Arif Chaudhary; Piyush Bhisekar - a singer-songwriter were the speakers with tales from the background of arts. Imtiaz Qureshi - an army veteran and now famously known as a Culinary Wizard, shared an inspiring path to follow. Lydian Nadhaswaram - a 14 year old who is proficient in playing multiple instruments; Ramesh Kumar - a SRM, Chennai and IIT Madras alumnus and a Google scholar who came up with the device Atmospheric Water Generator; Major Mohommed Ali Shah who has an unending list of experience in different fields, were the other key speakers of the day. Apart from the main event held in February, TEDx BITS Hyderabad also organised a few online sessions through instagram live during the lockdown. Actor Amit Sadh was the first one to be the speaker using this platform on 13<sup>th</sup> of May. Four days later, Venkatesh Iyer - Founder, and CEO of Goli Vada Pav Pvt. Ltd. and Satish Kaushik, Actor, Director and Producer were invited for giving a talk. Renowned actress Vidya Balan was next in line for instagram live sessions on 2<sup>nd</sup> June followed by the last talk of the semester by West Indies Cricketer Darren Sammy on 30<sup>th</sup> of June.



Imtiaz Qureshi



Adela Stravoka



Lydian Nadhaswaram



Piyush Bhisekar



## Alumni Meet

### Reunion 2020

College is a phase of life that nobody can forget. 4 years of camaraderie, last-minute exam preparations, late-night talks, and countless other memories. The graduates of the 2010 and 2011 joining batch of Hyderabad campus had a chance to cherish those memories again. The annual alumni reunion was conducted on the 25<sup>th</sup> of January, 2020 and saw an attendance of over 100 people from the alumni community, along with the presence of a few special guests.

The reunion started with a pleasant lunch followed by cake cutting as a token of love and respect. Post lunch, the 2010 and 2011 batches each planted a sapling along the path leading to H block. After that, a session was held in the auditorium which featured address from Prof. G. Sundar, Director, Hyderabad Campus, Prof. Arya Kumar, Dean, Alumni Relations, Mr. Mansoor Khan, Head, BITSAA Silicon Valley Chapter and Mr. Sanjay Khendry, the BITSAA Hyderabad Chapter. Many alumni fondly recollected their memories on campus. It was followed by high Tea, where people caught up with each other. Last but not the least, a campus tour was arranged to take them around the newly constructed hostels and academic blocks.



## Comparative Analysis of University Rankings

Dr. Rangarajan is currently the Director at the Indian Institute of Science and serves as a Professor in the department of Mathematics. He is an esteemed alumnus of Birla Institute of Technology & Science, and graduated from the Pilani campus in 1985. His key areas of research include nonlinear dynamics and chaos and time series analysis. On the 28<sup>th</sup> of February, 2020 he visited our campus to present his analysis of the University ranking method. He shed light on the various metrics used such as impact factor, citations per paper, and h-index and discussed their advantages and disadvantages and then showed us key insights of the various world university rankings. The session ended with him outlining strategies that Indian Universities could adopt to improve their rankings which was well received by both the faculty and the students.



### Town Hall with Kartik Mokrala

An engaging discussion on Business Sustainability, Sustainability Reporting, Environmental Awareness and the impact of sustainability on students was organised by the Environmental Society in collaboration with the Association for Public Policy (APP) on the 12<sup>th</sup> of March. This was conducted by Kartik Mokrala, an experienced sustainability practitioner who holds a Master's Degree focused in Environmental Science from the University of Trier. He brought out the importance of CSG (Corporate Social Good) and analysed India's current place in the Sustainability Space.



## Social Initiatives

### UDAAAN

Udaan is the new educational initiative taken up by Nirmaan in this semester. The motto of Udaan is to enable quality in education and extra-curricular activities for the children of our nearby community. By connecting passionate individuals from our campus as volunteer teachers with the Government elementary schools of our nearby villages, and using technology as a tool, the initiative intended to make a difference. It is focused on the primary and high school children, delivering live interactive classes in the local medium, through a powerful partner Ecosystem.

We started with fun math sessions, simple science tricks and outdoor games for primary school students. For the high-school students, we conducted science experiments from their regular textbooks, aptitude and reasoning classes for merit and scholarship examinations.

Along with these, special life skills sessions, personal development sessions and career guidance sessions are few remarkable events under the Udaan.

- Reached to over 120 school kids
- Spent over 48 volunteer hours



### Project Parishkaar

Project Parishkaar, an educational initiative started in 2018-19 academic year. It was thought of as an efficient method to provide free educational support in the form of daily tuitions for the kids of non-teaching staff on campus.

Currently, twenty-five kids are enrolled, whose regular tuition and homework are being taken care of. Around 50 volunteers are involved in various capacities to run this project. One-on-one sessions conducted every day are very beneficial to the students since it helps them study at their own pace in their comfortable language. Quantitative feedback was also taken from the children and parents from time to time to track their progress and improve our methods of teaching.

Various engaging activities were organised frequently for the kids to encourage an all-round development along with studies.



### Yes !+ Workshops

Maintaining a balance between mind and body is the key to health and success. Stress, depression and performance anxiety are some of the issues which are found common amongst the present day youth. The Art of Living Students' Chapter organized the Yes!+ Workshop (Youth Empowerment And Skills) from 5<sup>th</sup> to 9<sup>th</sup> February, 2020, with 39 enthusiastic participants. The students learnt techniques to empower themselves, effectively handle academics along with co-curricular activities, stress management, time management and increasing creativity. Effective breathing and meditation techniques, which can help them to improve their self confidence, productivity and taught them the importance of living in the present moment with a smile, were also taught.



## Activities Conducted by the Community Welfare Unit

### Activities Conducted by the Community Welfare

**New Year Celebration** – New Year was celebrated at BITS Pilani Hyderabad Campus on 5<sup>th</sup> January, 2020. Cultural and fun activities for all age groups were organized for the event.

**Saraswati Puja** – Saraswati Puja was celebrated at BITS Pilani Hyderabad Campus from 28 to 31<sup>st</sup> January, 2020. Apart from cultural events, calligraphy and drawing competitions were conducted on 28<sup>th</sup> January, 2020. The Puja was concluded with a locket ceremony for children followed by idol immersion on 31<sup>st</sup> January, 2020.

**International Women's Day** – The International women's Day was celebrated on 11<sup>th</sup> March, 2020 at BITS Pilani Hyderabad Campus. The special guest for the event was Mrs. Padmini Sundar and Mrs. Alkananda Swain. Mrs. Sundar shared some of the memorable insights of her journey. The dress color code for the event was 'SHADES OF PURPLE'.



New Year Celebrations



Women's day Celebrations



Saraswati Pooja



## Introducing New Faculty (Jan-Jun 2020)

PSRN	Name of the Faculty	Designation	Discipline	Date of Joining
H0728	Mrityunjay Singh	Assistant Professor, Gr-II	Computer Sci & Information Sys	1-Jan-20
H0729	Ramaiah D	Senior Professor	Chemistry	6-Jan-20
H0731	Amit Kumar Panda	Assistant Professor, Gr-II	Electrical & Electronics Engg	10-Jan-20
H0732	Vidyapu Sandeep	Assistant Professor, Gr-II	Computer Sci & Information Sys	27-Jan-20
H0733	Sanjay Vidhyadharan	Visiting Faculty	Electrical & Electronics Engg	1-Feb-20
H0736	Davuluri Subrahmanya Bhima Sankar	Assistant Professor, Gr-I	Physics	3-Feb-20
H0748	Pratyush Chakraborty	Assistant Professor, Gr-I	Electrical & Electronics Engg	25-Jun-20
H0749	Nijwal Karak	Assistant Professor, Gr-I	Mathematics	26-Jun-20
H0750	Apurba Das	Assistant Professor, Gr-I	Computer Sci & Information Sys	29-Jun-20
H0751	Shuvadeep Maity	Assistant Professor, Gr-I	Biological Sciences	29-Jun-20
H0752	Kirtimaan Syal	Assistant Professor, Gr-I	Biological Sciences	29-Jun-20

## Editorial Team



Dr. Lavanya Suresh



K. Sivaramakrishna



Adarsh Mishra



Dr. Santosh Mahapatra



Dr. Maya Vinai



Prasanth Inturi





உயர்நீதிமன்றம் தீர்மானம்

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## BITS researchers develop 3D-printed face shields

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Journal of Internal Medicine 255: 101–108

**Federated Researchers** at the Institute of Technology & Science (ITS) in Pune, India, have developed a biodegradable and ecofriendly smart film. Made for outdoor applications, the film is designed to degrade in sunlight, air, and water. It is about 200 µm thick and is made of a Poly(lactide acid) (PLA) based biodegradable and biodegradable film and a 0.1 mm thick Adhesive layer.

"Using a high-end printer is almost non-existent in the business," said Shashir Gopal, principal investigator in the research.

Good, who is working as an associate professor at IIT's Pilani, added that they have made a prototype of the chip at the university lab in the institute.

He said PLA is easily available in the market and costs around 6000 per sq. ft. "We need about 400 sq. ft. PLA and a lamination sheet," says the artist. The costs of, however,

the are easily available, a infrastructure can be developed and the streets can provide the training the

As noted, Kottig, a 37-year-old, one of the leaders of the child, said that his brother's death was a tragedy at various times across the country. This brother was the same number of times.

"Any virus will die boiled at 70 to 80 degrees, whereas the peak of this shield is 100° or above. All one has to do is shield for a minute using it," said Kozak, adding that the same is true at the southern



బిట్స్ అధ్యాపక, సిబ్బంది చేయూత

ప్రజాక్షేమ/రామోపదేశ : కేంద్ర రాష్ట్ర ప్రభుత్వాల విధింపు 2017  
అల రామోపదేశ కార్యకలాపాల కమిటీ సేవలను అభ్యుదయ పరిశోధనా  
రోజువారీ కూలీలకు సహాయం చేయడానికి కూలీలకు మున్సిపాలిటీ  
పరిషత్లోని పబ్లిక్ సేవల కమిటీకి కృతజ్ఞతలు తెలియజేస్తుంది. ప్రాంత  
సమితి, ఇన్పుట్ కమిటీలు ముందుగా పబ్లిక్ సహాయం చేయడం అని  
పంపించియున్న మున్సిపల్ కమిటీలకు అర్హత ఉన్న అభ్యుదయ పరిశోధనా  
సేవలకు పరిషత్ అంతర్గతంగా కృతజ్ఞతలు తెలియజేస్తుంది. అందుకు  
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450 మందిలకు అర్హత ఉన్న మున్సిపాలిటీ 2017లో విద్యుత్తు  
ఉత్పత్తి రోజులకు పరిషత్ 1300లకు సహాయం చేయడానికి  
గ్రామీణ విద్యుత్తు కమిటీలకు కృతజ్ఞతలు తెలియజేస్తుంది. పబ్లిక్  
సేవలకు అంతర్గతంగా, అభ్యుదయ పరిశోధనా, ఇన్పుట్, కమిటీలకు అర్హత ఉన్న  
సేవలకు

Curtains come down on BLT's social fest

SPECIAL CERTIFICATE

The eighth edition of the atlas, the annual award test of National Organization of BITE. Film-Hydroalol Campus, which saw participation of children from schools and orphanages, held on Sunday.

A star-gazing session with students of classes 1-3 was conducted where the task was to observe stars and the sky.

Further, various inter-  
the sports activities and a  
self-defence workshop  
were organised to empow-  
er the kids and make them

**Jelangana** - Today  
Friday, January 11, 2024

National symposium on issues in Indian economy' held in BITS Hyderabad






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organized. The first edition of the National symposium on "The Role of the Teacher in the 21st Century" was co-sponsored by the Department of Education and the National Education Association. The symposium was held on Friday with presentations by Earl C. Bunker.

Polvin spoke about the lessons in the Indian minority leading to the present day. In the session programme, he touched upon how badly debilitated was the up of a welfare state, the shortcomings of the present government in handling it and how rising corporate wealth does not lead to a decrease in



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