

PESU VOICE



Message

BoG

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"I am happy to note that the PES University newsletter, PESU Voice has been initiated. This showcases the numerous curricular, co-curricular and extra-curricular accomplishments of each Department. I wish the team great success."



"PES University has always encouraged diverse activities in various fields. This newsletter will bring to the fore the achievements and current events of the departments in a concise manner. I wish the team all the best."



"As we have been discussing PESU PESU as a hub of various activities, activities, the PESU Voice envisages bringing a snapshot of them all to you. I'm glad to present the first copy of PESU Voice and welcome suggestions towards making PESU Voice a compelling piece that all of us look forward to in the coming issues."

PES University

People's Education Society (PES), founded in the year 1972, has strived incessantly for imparting quality education in the fields of Architecture & Design, Engineering, Medicine and Management. The infrastructure, faculty and teaching-learning processes are in sync to make the student capable for the future pursuits of life. PES UNIVERSITY was established as a private University in the state of

Karnataka vide government notification No. ED 85 UNE 2013 dated 19-11-2013. Government of Karnataka published PES UNIVERSITY ACT-2012 of Karnataka Act 16 of 2013 (which received the assent of the Governor on the fifth day of February 2013 and first published in the Karnataka Gazette Extra-ordinary on seventh day of February 2013) under clause (3) of article 348 of the constitution of

India in the Karnataka gazette for general information on Thursday, May 16, 2013. The campus of the university is located at 100 Feet Ring Road, BSK III Stage, Bangalore- 560085 and it is spread over an area of 25 Acres 26 Guntas that is highly conducive to learning. It is a green campus located right in the heart of Bangalore, providing numerous location-based advantages.

Nanosatellite designed by 250 students will soon reach space

Come July and around 250 students of PES University on Mysore Road may become the youngest space scientists from India. These youngsters have invested time and energy to make an imaging nanosatellite that will be launched along with one of Indian Space Research Organisation's (ISRO) space programmes soon. The satellite named PISAT will take snapshots

of Earth, particularly India, from space. Student and professors will control the machine from the PESU campus; PISAT will travel as a co-passenger of ISRO's PSLV.

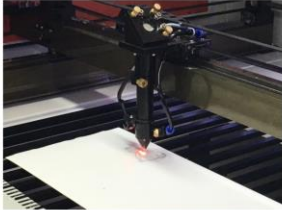
The project was first envisaged by Professor V Sambasivarao, a faculty of PES and former deputy director of ISRO. "I retired in 2011 and started teaching at PES

Engineering College. Since then, have wanted student to understand that space isn't something beyond their imagination and building rocket isn't rocket science. We started working on the student satellite programme towards the end of 2011. The management has funded the whole project and we roped in ISRO at every steps," he said.



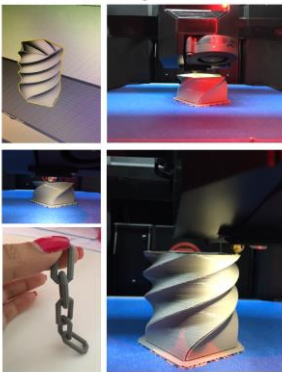
FAB LAB MACHINES

Laser cutting and Engraving machine



FAB LAB PRODUCTS

3D Printing Machine



"We started with the basics of space science. Until then, it was all rocket science. But when we got involved in the project, it was already in mission mode. Codes were written and I was wondering what my role would be. And then suddenly we were given the task to change some of them wherever necessary. We have gone through the whole process of launching a space mission just like ISRO does for each of its missions. It's not just a student project but much more than that."

-Ajay K

Third-year electrical and electronic engineering student

"Recently, ISRO's scientists came to college, reviewed the satellite design and tested its working before giving us a flight model for launch clearance. Education minister, TB Jayachandra will unveil the satellite on Wednesday and we'll hand it over to the space research organization by May end," said Sambashivarao. "ISRO had asked us to hand over the satellite by June 10 and has already finalized which vehicle will be flying with it. PES has established commanding and control station (S-band ground station) on its campus to track and control PISAT," he added.

ISRO wanted the college to set up a control station which was funded by PES management. The programme saw participation of engineering students from all disciplines and was completed in collaboration with four other colleges- SKR Engineering College, Chennai; Sona college of Technology, Salem; Veltech University, Chennai and Nehru College of Engineering, Thrissur. The Institute of Engineering also chipped in.

ISRO's scientists guided the students through the entire project that spanned over five years.

Sukruthi Savukar, a second-year Mechanical Engineering student spends close to three hours thrice a week at the control station. "After completing my first year of Engineering, I spent two months as an intern with the programme. But, in no time, I got involved with the space mission. We visited ISRO's premises and even met the chairman, which is otherwise out of bounds for citizens. There were many such 'wow' moments during the course of this project. It's a matter of great pride that our satellite is ready to fly with ISRO's PSLV," said Sukruthi. *Journals.*

Faculty of Architecture & Design

B.ARCH PROGRAM

Today, the architectural profession is of high relevance. The need is to ensure that what is built is environmentally sustainable and relevant to the times and place. The architectural work should not just suit the present but also the future. A career in architecture offers opportunities to transform the environment in which we live, to what we want and to contribute works of value and beauty. In this regard PES University has set up undergraduate architectural degree program. Situated in PES University's rich and intense educational environment, the program emphasizes the interconnected relationship between architectural design,

building technology, computation, history, theory and criticism of art and architecture. The department's extensive offerings reflect the program's commitment to the cultural, social, technological and ecological issues of the built environment. Committed to a rigorous and interdisciplinary approach throughout the program and with the state of art facilities our students are challenged to be creative, innovative, and responsible architects. The program has been planned to incorporate new and innovative ways of architectural education to enhance students creativity.

Events

Faculty of Architecture hosted the

following workshops conducted by IET organizing committee:

- IET's "Present Around The World" competition held on the 6th April 2016 from 8:30am to 5:00pm.
- Interview skills training workshop held on 12th and 13th March 2016 from 8:30am to 5:00pm.

Activities

- Design alternatives were provided for the campus redevelopment project.
- Provided 3D printing services to two final year students in CORI for their project titled "Design of smart joints for aerospace applications".
- Designed a logo for the biotechnology department for their commercial product "PP Solution".

Faculty of Architecture & Design

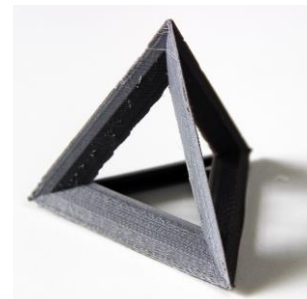
B.DESIGN PROGRAM

Guest Lectures

PES University has set-up the B.Design program which offers undergraduate as well as post-graduate program. The four year UG program offers Bachelor of Design (B. Des) degree in three

streams, Product Design, Interaction Design and Communication Design. The PG program currently offers Masters of Design (M. Des) degree in Product Design. Ample space is available for facilities that enable students to ideate, explore novel concepts, digitize these to simulate appearance and performance

under different test situations and make mock-ups and prototypes. Some of the facilities are as follows: Classrooms with audio-visual recording and streaming facilities library with a good collection of books spanning a broad-range of design and related topics, national and international design journals and access to several e-libraries.



Department of Biotechnology

Events

Guest Lectures

- Dr. Annapurna Vyakarnam, Associate Professor, Dept. of Infectious Diseases, King's College London, delivered a lecture on "Immune response in Tuberculosis" on 2nd February 2016 at Bangalore.
- Mrs. Lakshmi, K & S Associates, Bangalore delivered guest lecture on Intellectual property rights and patent application in Bangalore on 16th March 2016.
- Dr. Ravi B Diwakar, consultant, medical oncology, Bangalore Institute of Oncology (Hcg), Bangalore delivered a lecture on "Medical oncology" on 15th April 2016.
- Dr. Shankar, Emeritus Professor, Neuropathology & Principal Co-Ordinator, Human Brain Tissue Repository (HBTR), Neurobiology Research Centre, NIMHANS, Bangalore delivered a lecture on "Amazing facts of brain."
- Dr. Ananda, Poorna Prajane, Institute of Scientific Research, Bangalore delivered a lecture on "Molecular Diagnostics."

Conferences/Workshops conducted or attended

- Dr. Seema Tharannum attended the "Bangalore India Bio 2016" at Bangalore on 9th-11th February

2016.

- Ms. Shwetha Harish P attended the "8th Bangalore India Nano" at Bangalore on 3rd-5th March 2016.
- Dr. Seema Tharannum attended the "Eco ethics day" at AMC college of Engineering, Bangalore on 18th March 2016.
- Mrs. Reshma S.V. attended the National Conference on "Science and Technology for Sustainable Society" at AVK College for Women, Hassan on 20th March 2016.

Achievements

Faculty

- Dr. V. Krishna Murthy:
- Ms. Sonal Jain and Ms. Disha of 8th semester were deputed to IIT, Mumbai through MoU-PESU-IIT, Mumbai, under guidance of Dr. V Krishna Murthy, Registrar, PESU.
 - Visit by representatives from Sweden KTH, for discussions regarding student exchange program for research, organized by Dr.V Krishna Murthy, Dr.Venkatesh Vadde (Dept. of EC) and Dr.Srivatsa (Dept. of EEE).
 - Dr. V Krishna Murthy delivered a series of lectures on OBE to the faculty of BT department, PESU (25-28th Feb, 2016), and in PESU College of Pharmacy (4th March 2016) as preparation for NAAC accreditation.
 - Dr. V Krishna Murthy organized a lecture on Epilepsy from the Epilepsy Society of India, on 8th

February 2016.

- Three-Lecture series were conducted by Dr. V Krishna Murthy on Biomass, renewable energy and Anaerobic digestion for M.tech students of EEE Dept.
 - Established new Environmental Engineering Laboratory for Biotech., Civil & Architecture Departments.
- Dr. K. N. Shanthy:
- A member of University Grants Commission.
 - Nominated as Member of the Governing Board of Inter University Centre for Astronomoy and Astrophysics in February 2016.

Dr. Roshan Makam:

- Editor, SOJ Journal of Chromatographic Science, Research and Reviews: Bioinformatic.
- Reviewer of the following Journals - Biochemical Engineering Journal, Theoretical Biology, Mathematical Biology, Water Research, Water Environment Research and Chemical Engineering Journal.

Dr. Uma M. V :
Member of BOE, VTU, Belgaum.

Dr. Seema Tharannum:
- Member of Board of Studies in autonomous colleges Mount Carmel College and Jyothi Nivas College.

- Board of Examinations in Christ University, Dayanandasagar University, Mount Carmel College (Autonomous), CMR College (Autonomous), Jyothi Nivas College (Autonomous), and Bangalore University.
 - Member – BTFS Monitoring Committee, BTFS Steering Committee, and PESU, Bangalore
 - Delivered a Guest talk on "Genetic Engineering and Application in Pharmaceutical Industry" at PES College of Pharmacy, Bangalore on 16th February 2016.

Dr. Sasmita Sabat:

- Editorial board member for Journal of Enzymology and Metabolism, Open Science Publications.
 - Reviewer of Journals: Australian Journal of Crop Sciences and British Microbiological Research.

Dr. M.S.Dinesh:

- Visiting Researcher for Labmatz Research Centre on Soil Health, Germany for the year 2015-18.
 - Member, Scientific committee, KarnatakaRajya Vignana Parishath. Scientific Body under the Administrative control of Govt. of Karnataka.
 - Reviewer of Global Science Book Journals
Dr. Jhinuk Chatterjee
 - Invited as external member of BOE, UG and PG, Dept. Biotechnology, DSCE.
 -Reviewer Molecules, MDPI.

Dr. Prashantha Karunakar:

- Editor-in-Chief, International Journal of Computational Biology and Bioinformatics (IJCOB), STRINGS Publications.
 - Received a grant towards development of prototype of "ChemDetect: A microcontroller based detection method for identifying and storing chemicals in the stock room."

Mrs. Angira Devi Bhuyan

- Working on 'Adaptive response of rhizosphere microflora to waste lubricant oil'

Mrs. Kavitha S H

- Working on 'Biodiesel Plant established on- campus and production'

Ms. R V Kavitha

- Prospects in Biotechnology, an industrial visit to Biocon for 8th semester students, 13th April, 2016.

Mrs. Reshma S.V :

- Has filed a provisional patent (Indian) for design of a MEMS based device for the diagnosis of CML.
 - Reviewer: Saudi Journal of Biological Sciences.

Students

- Ms. Sowmya T. Tapas won First prize in paper presentation entitled "Evaluation of Anti Tumor Activity Of Bioactive Principle" from J. Wynaadensis and analysis in "Silico Docking Studies" at National level Bio- technology Symposium 2016 held at Manipal Institute of Technology in April 2016. She was guided by K. N. Shanti.

- Ms. Vaishnavi Nayak and Ms. Pooja P. S. won Second prize in paper presentation for their paper entitled "Evaluation Of Anti Oxidant And Anti Tumor Activities Of Crude Extracts of J. Wynaadensis" at National level Biotechnology Symposium 2016 held at Manipal Institute of Technology in April 2016. They were guided by K.N. Shanti.
 - Ms. Radhika K. N., Ms. Rashmi Nayak and Ms. Sheethal U. N. won First prize in paper presentation for their paper entitled "Isolation and Partial Characterization of Lectins from Seeds of Entadarheedii Spreng" at National Conference on Science and Technology for Sustainable Society 2016, held at AVK College, Hassan in March 2016. They were guided by Reshma S.V.

Research

- K. N. Shanti, "Anti-oxidant & Anti-Leukemia Activity of Methanolic

extracts of Plantago ovate," International Journal of Pharmaceutical Research & Development, 2016, Vol 8, (1) 001-009.

- M. S. Dinesh, "Enhancement of Antimicrobial Activity of Phylanthus niruri by Fermentation," Journal of Herbal Medicine, 2016, issue 2, vol. 4, pp. 23-29.

- M. S. Dinesh, "Ecofriendly Treatment Of Biomedical Waste," Journal of biomedical waste management, 2016, issue 12, vol.2, pp. 1-15.

- Sasmita Sabat, Roshan V. Makam, R. V. Kavitha, Raghavendra Shetty, M. L. Rakesh, K. Roshan & S. Satyapramod, "Bioleaching of Pyrite Ores Using Facultative Anaerobes," International Journal of Scientific Research, 2016, 5 (3), 717-721.
 - Sasmita Sabat, L. N. Chaitra and R. Ranjitha, "Evaluation Of Antioxidant And Antimicrobial Activity Of Wine From Various Sources," International of Current Microbiology & Applied Sciences, 2016, 5(3), 26-35, ISSN: 2319-7706.

Projects

- Roshan Makam (PI), V. Krishnamurthy (Co-PI) and Mrs. Reshma S. V. (Co-PI) are working on a project titled "Production of TAGs from microalgae in a photo bio reactor intended for biodiesel production". The project was sanctioned Rs.49.18 Lakhs by DBT, Govt. of India.
 - M.S. Dinesh (PI) worked on a project titled "Development Of Technology For Ecofriendly Treatment Of Biomedical Waste". The project utilized Rs.5 Lakhs funded by Indian Society for Biomedical Waste.

Department of Civil Engineering

Guest Lectures

- Bruce Sealy, Dean and Professor of Michigan University presented "History of Civil Engineering" to 4th semester students on 13th January 2016 at F Block Seminar Hall.

- FDP conducted on 3rd February 2016 by Prof. Sudharshan for Faculty and Students of Civil Engineering, STAAD - Structural Analysis and Design Software.

- About Hundred 6th semester students along with twenty faculty of Civil Engineering department visited Power Plant in Kabini and Dam site at Beechanahalli on 6th February 2016 .

- A guest lecture by Mr. Aprameya on "Cost Optimization in Planning, Design and Construction" was arranged on 12th March 2016 for the 6th semester students. The speaker discussed about the cost pertaining to the project and the ways in which optimization can be brought in the project.

-Guest lectures by senior professor (retired) of IIT, Roorkee Prof. K. G. Rangaraju on "Fluid Mechanics" (Article 8-2 to 8-5 of Cimbala which is a part of the syllabus) were arranged between 9th March 2016

and 15th March 2016, for 4th semester students.

-Lecture on "Computational Modelling of Wind Flow Field Around High and Low Rise Building" to our 6th semester students by Dr. S. K. Maharana, Dean (Research & Development) Professor & Head, Aeronautical Engineering Acharya Institute of Technology on 11th April 2016 in Panani Block Seminar.

- Lecture on "Design of Water Tanks" to the 6th semester students was delivered by Dr. G. S. Suresh, Professor, Civil Engineering Department, NIE Mysore on 13th April 2016 at Tech Park Seminar Hall.

-Guest lecture by Mr. Anand from IGBC on "Green Buildings" was arranged on 22nd March 2016 for the 6th semester students. The speaker highlighted the benefits of green buildings along with their features .

- Lecture on "Extensive Survey Project" was delivered by Dr. Mahadevaiah, Specialist in Survey, Prof. & Head-department of Civil Engineering, BGS Institute of Technology, for 6th semester students on 16th April 2016, at

Room No. 304- 'F' Block 2nd Floor, PESU.

Achievements

Students

Sudhanva D Shetty
 -Pradeep P Thevannor Innovation Awards 2016, Runner- up
 -RV Diplomacy SUMmit 2016, Best Reporter.
 -RVE Summit Expediens 2016, Finalist
 -SLCU Model United Nations 2016, Best Reporter

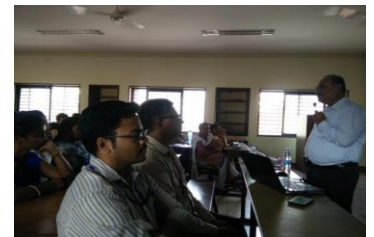
Shivam Sharma
 -Karnataka State head for "Igniting Young Minds Organization." Has a vision of reaching out to young college students to be socially aware and work towards improving the life of under privileged children in the city. An article on this appeared in "International Business Times" on 26th April 2016.



Site visit to power plant in Kabini



Guest lecture by IIT Prof. K.G.Rangaraju



Lecture on extensive survey project

Department of Computer Science Engineering

Events

Guest Lectures

- Dr. Archana Ravinder from IBM delivered a Guest Lecture on "Compiler Loop Optimization" on 5th February 2016.

- Dr. Naresh Cuntoor delivered a lecture on "Linear Algebra" on 9th February 2016.

-Darshak Vasavak from IISc delivered Guest Lectures on "Implementation and Challenges in Software Engineering" on 14th and 22nd of March 2016.

-Dr. Kanishka Lahiri from AMD delivered a Guest Lecture on "MPCA" on 6th April 2016.

- Dr. Prakash Raghavendra from HP Enterprise addressed the

students on the topic "Multicore Programming and Bigdata" on 6th April 2016.

Fests

AYANA 2016:
 "Ayana" was the Annual Flagship Event of Department of Computer Science and Engineering, conducted by PESU for the 4th consecutive year. It was a 24-Hour hackathon, where participants brought their ideas to life. It was a technical fest giving way to work together, collaborate and build things that are innovative. "Ayana 2016" was a 24 hour caffeine fuelled cerebral battle, masked by the colorful theme of "Building India Bit by Bit" conducted on 16th and

17th April, 2016. The event blended creativity and talent to resolve towards making a better India. This open hackathon witnessed a variety of hacks ranging from Phone Apps, Web Apps, Hardware and Software Hacks. "Ayana 2016" had renowned speakers like: Shivakumar Ganesan, CEO - Exotel, Inder Pall Singh - Inmobi and Ritwik Saikia - Quicly.io.

EWD(Extended week day) Activity

Bowling is all about physics and energy distribution. A mini snow bowling game was conducted as an extended weekday activity for the semester. The students.



Bootcamp on IOT



Bootcamp on IOT



I paid a Bribe



I paid a Bribe

teaching staff sportily took part in the activity. The space in B-Block ground floor was utilized as the bowling alley. A championship league kind of fixture was made with 16 teams comprising of 5 members in each team. After twenty matches, the team from 4th Semester. Section A was declared as the winners for the activity.

ORDELL UGO Selections

Starting from a single room with a small group of students, "Ordell Ugo" has grown into a hub of ideas where a large number of students work on innovative projects. For the students to hone their leadership qualities, team spirit, industry exposure and ability to map practical implementation against theoretical concepts, "Ordell Ugo" serves as the first step.

Teams of five were randomly selected among the 500+ applicants. They were then given orientation on the virtual entity itself and the selection process. They were given situations and were asked to find solutions for each, considering the usage of technology. After scrutinizing the solutions, the shortlisted students from each team were called for Round two Interview Process, from which, a set of fifty five students were selected.

Workshop/bootcamp conducted

Bootcamp on IoT

The Department in association with DESE, IISc, Bangalore came out with an initiative of organizing a TEQIP-II sponsored 2-Day Bootcamp for the young aspirants in the field of Internet of Things (IoT). The event took place on 18th and 19th March 2016. The bootcamp started with the welcome address by Professor Nitin V. Pujari and lighting the lamp by the Dignitaries – Prof. H. S. Jamadagni, Senior Professor and Resource Facilitator from DESE, IISc; Dr. K. N. B. Murthy, Vice-Chancellor, PES University and

Professor Nitin V. Pujari, Chairperson, Department of CSE, PES University. Even though the Bootcamp was a limited seating event, when the circular was sent to classes of 2nd Year, a sounding 500+ registrations, online were received over just a couple of hours. On the basis of FCFS, only a set of sixty four students were shortlisted.

Two days split into four sessions dealt with everything related to start the journey in Internet of Things. Session 1 was focused on understanding the basics of Internet of Things like: What is IoT, Where is it used, Why to use IoT, Is IoT for real, What is bootcamp? Session 2 revolved around methods, sources and processes involved in ideation. Some field work on ideation took place involving the phases of search, research, fact finding, collation of facts, concluding on an idea. The first day came to an end with presentations on ideations, discussions of findings with mentors, validations and enhancements of ideas. Sessions 3 and 4 on Day 2 (19th April 2016) involved hands-on and demo of the ideations concluded on Day 1. Identifying the enablers like IoT sensors, edisons and platforms with how they are connected and implemented was focused on Day 2. A small part of the task identified in the ideation session was taken by the teams for Hack. After which the whole bootcamp came to an end with few giveaways, mementoes, prizes, discussions and networking over the practical exercise and usage of IoT in daily lives.

I Paid A Bribe

On 10th March 2016, the seminar hall at B Block, PES University was filled with voices raised by the youth against the acceptance of bribe as the clock struck 4 pm. The youth were the students of PESU who took part in the talk on "I Paid A Bribe – Anti-Corruption Sensitization Programme" organized by the Department in

association with the team 'Janaagraha'. After a small briefing about the initiative 'I Paid a Bribe' by Mr. Rajat Shubhro Mukherjee, Dr. Malati Das, retired IAS officer (Former Addl Chief Secretary, Karnataka) and Dr. S. T. Ramesh, retired I. P. S officer (Former DGP, Karnataka) raised the intensity of the talk to a higher level by stating how retail corruption creates an impact on the development of the society by giving various examples of the situations they had come across during their service as government servants. They also set a very comfortable platform for the students to state their ways to fight against corruption. Dr. Das stressed on various issues one must focus on to live in a corruption-free society. On the other hand, Dr. Ramesh motivated the students to act bravely and deny the acceptance/offering of bribe under any circumstances.

Conferences

- Nitin V. Pujari, attended the 6th "IEEE International Advance Computing Conference (IACC 2016)" held at SRKR Engineering College, Bhimavaram, Andhra Pradesh during 27th and 28th February 2016.

- Samatha R. Swamy, has participated in a two day workshop on "TEQIP Sponsored Big Data and Hadoop" held on 28th and 29th April 2016 organized by Dr. Ambedkar Institute of Technology in Technical Association with Fulcrum Edu, Bangalore.

Publications

- Nitin V. Pujari, Bhargav H. S. and Gangadhar Akalwadi, "Applications of Blooms Taxonomy in Day to Day Examinations" in the "6th IEEE International Advance Computing Conference (IACC 2016)", SRKR Engineering College, Andhra Pradesh during the 27th and 28th February 2016.

Department of Electronics and Communication Engineering

Events

PROJECT DEMOS by 6th Semester ECE students to Researchers of Nokia Technology Centre, Bangalore.
 Venue : Microsoft Mobile Innovation Lab, PES West Campus
 Event Organized by and Date : Dr. A. Srinivas, 21st April 2016
 Nokia Researchers / Mentors : Dr. Ponni, Dr. Vishnu, Mr. Ganesh (NTC)
 Other Invited Guests : Dr. K.S. Sridhar ,
 Dr T. S. Chandar
 M. Rajasekhar

HEALTH CAMP in a village near Kuppam, Chittoor District, Andhra Pradesh; Launch of Android App based paper-less data collection and management application developed by students of PES West Campus. Project: Geo-spatial mapping of diseases among school-going children in villages in and around Kuppam.
 Organisers and Date : Dr. Praveen Kumar (PE-IMSR), Dr. A. Srinivas , 21st & 22nd February 2016.
 Team : UG /PG students, interns, health workers of PESIMS, Professor M. Rajasekhar and students.

Audio Technology Workshop And Guest Lecture

A workshop and guest lecture was organized for the students of the 6th semester on 19th March and 5th April respectively to enrich their knowledge in their two credit course of Audio Technology. Students were trained in sound editing software like Reaper and Mixcraft. Close to sixty students were part of this event. Mr. Vishwesh Bhat from NTT DATA and Mr. Sanjeeth Nayak from Amedus were the resource persons for this program.

Faculty Achievements

The ECE Department, PESU has been recognised with highest number of faculties with Ph.D. The

department has to its credit 16 faculties with Ph.D. from premier institutes within India and abroad and 12 faculty members are working towards their Ph.D. and a sizeable of these are on the verge of completion. Most of the faculties are with rich industry/research expertise from premier organizations. The faculties have published four International and five National Journal papers.

Dr. T. S.Chandar:
 Best Ph.D.Thesis Award from the Board for IT Education Standards. Ph. D.Thesis Reviewer, University of Pune.

Dr. Manikandan J:
 -Best Ph. D. Thesis Award from the Board for IT Education Standards.
 -Two best paper awards (1 in Elsevier Conference and 1 in Springer Conference).
 -Three research papers are listed in Top 25 Hottest and Most Accessed Articles.
 -180+ citations for the research work carried out till date.

Dr. Niranjana Krupa:
 -Published a Journal Article in Springer.

Dr. A. Srinivas:
 Invited to take part in Faculty Summit 2016 to be held at Washington, USA.

Research

Satellite Technologies - V. S. Rao
 Sensor Technologies (CREST) - V. Vadde
 VLSI Technologies - Deepali Koppad
 Intelligent Systems - K. Koshy George
 Communications - V. Mahadevan
 Signal Processing - J. Manikandan

Publications

International Conference

Pavitra Y J, "FPGA Implementation of SIFT Algorithm", IEEE International Conference on

MICROCOM, NIT, Durgapur, January 2016.

Journal Publications

- Raghavendra G. Kulkarni, "Placing The Roots Of Cubics Using Linear Fractional Transformation", Boletin de Matematicas (Colombia), January 2016.

- Jayashree H V, "Ancilla and Garbage Optimized Quantum Reversible Integer Multiplier", International Journal of Supercomputing, Springer, February 2016.

-Raghavendra G. Kulkarni, "Picking Genuine Zeros Of Cubics In The Tschirnhaus Method", The Mathematical Gazette (Cambridge University Press, UK), Vol. 100, No. 547, March 2016, pp. 48 - 53.

-Raghavendra G. Kulkarni, "Split And Crack The Quartic Eureka (Cambridge Mathematical Society, UK)", Journal Paper (Accepted. To appear in the forthcoming issue).

-Raghavendra G. Kulkarni, "Applying Mobius Transformation For Solving Quartic Equations", The Mathematical Scientist (UK), Journal Paper (Accepted. To appear in June 2016 issue).

PISAT: A Nano Satellite

The students of PESU along with staff of CORI have designed and developed a Nano-Satellite called PISAT and pre-launch of this was held on April 20th, 2016. Sri. T. B. Jayachandra, Hon'ble Minister for Higher Education. GOK has kindly consented to be the Chief Guest for this programme. PISAT, a small, 6-kilo satellite spearheaded by PES University, Bangalore, and sponsored by four engineering colleges from Tamil Nadu and Kerala is the latest university-driven spacecraft to queue up for the launch into space.



Health camp near Kuppam



Audio Technology workshop and guest lecture



PISAT-A nano satellite



Department of Electrical and Electronics Engineering

Guest Lectures

Dr. Venkateshvaran, ABB gave a lecture on "Embedded Systems in Power Grid" on 15th April 2016.
 -Dr. V.Krishna Murthy, Registrar, PESU gave a lecture on "Bio-Diesel Generation" on 17th March 2016.
 -Dr.Radha Krishna Professor S & H Department, PESU, gave a lecture on "Batteries & it's Management for Renewable Energy & Transportation Systems" on 22nd March 2016.

Fest

Women's Day was celebrated on 28th March 2016 in the department.

Industrial Visits

-120 students visited Varahi power Plant on 1st April 2016.
 -15 M.Tech students visited PES Institute of Medical Science & Research (Solar Power Plant) on 27th February 2016.
 -15 M.Tech students visited

Industrial Exhibition, Peenya on 16th February 2016.

Conference/ Seminars/ Workshops – Conducted/ Attended

-"INCOSE System Engineering Challenge" in INCOSE & PES in January 2016.
 "PLC & SCADA Projects (Prolific Systems Pvt. Ltd.) in PES University on 6th February 2016.
 -QIP Short Term Course on "Stability, Protection and Power Conversion Concepts for Modern Power Grid" in IISc from 22nd to 26th February 2016.
 -Workshop on "Introduction to COMSOL" in PES University on 18th March 2016.
 -Digital Controllers for Power Electronic Converters & Systems, DCPECS-2016 in PES University from 11th to 13th April 2016.
 -"Power control and harmonic analysis of micro grid" in International Conference on "Engineering Science, Management and Advances in

Research Technology" in ICESMART on 6th May 2016.
 -"Behavioral analysis of micro grid - A subset of smart grid" in ICESMART on 6th May 2016.

Publications

Conference

-Mrs. Sangeeta Modi presented a paper entitled "Power Control And Harmonic Analysis Of Microgrid" International conference on Engineering, Science, Management and Advances in Research Technology(ICESMART) –2016 held in 4th May, 2016 in Bangalore.
 -Mrs. Sangeeta Modi presented a paper entitled " Behavioral Analysis Of Microgrid : A Subset Of Smart Grid" International conference on Engineering, Science, Management and Advances in Research Technology (ICESMART) –2016 held in 4th May 2016 in Bangalore.



Mobile App and Website Help 2 Help for NGO Nanna Preethiya Shanideva Educational Foundation.

Department of Computer Applications

Events

Guest Lectures

-Mr. Deepak Kumar Bagchi, Head, SLK Software Services Pvt. Ltd., Bangalore delivered a lecture titled "Market Basket Analysis" on 23rd February, 2016.

-Mr Rishab Sanyal, Fidelity Systems, Bangalore delivered a lecture titled "Kerberos" on 18th April, 2016.

EWD (Extended Week Day) Activity

Activities conducted as a part of the EWD were Fun with Words, Carrom, Chess, Brain Teaser, Four Picture Puzzle, Riddles, ARM Wrestling and One Minute Fame.

PRAKALPA 2016:
 During "Prakalpa" 2016, three

students Mr. Santosh.E., Ms. Amrutha Krupavani and Mr. Anik Roy presented their projects titled "Bizzinet," "Agricultural Arena" and "Academic Project Management."

Conference

National Conference on "Data Science and Analytics" was organized on 9th and 10th March 2016. 150 participants from various colleges and industry had participated.
 The faculty members of MCA attended the conference/seminars/workshops conducted by:
 -Dr. Kavi Mahesh, PESU on "Analytics in India".
 -Dr. Partha Pratim Talukdar, IISc on "Big Text to Big Knowledge".
 -Dr. Dinkar Sitaram, PESU on "Cloud and Big Data Analytics".
 -Mr. Mekin Maheshwari, Flipkart on "Data & Computing towards a more

Intelligent World".

-Mr. Arvind Jayaprakash, InMobi on "Data Science Based Control Systems".
 -Mr. Deepak Kumar Bagchi, SLK Technologies on "Data Science in Manufacturing and Banking Domain – Caselets".
 -Dr. Kunal Narayan Chaudhury, IISc on "Divide-and-Conquer approaches for Large-Scale Sensor Network Localization".
 -Mr. Sourav, Epoch Research India Ltd on "Exploring Business Analytics Tools (SAS)".
 -Dr. Viraj Kumar, PESU on "Learner Analytics for Enhancing Student/Faculty Interaction".

Workshop

Workshop on "Ruby on Rails" was held on 28th and 29th January 2016.

Faculty Achievements

Dr. A. Lekha Awarded Doctoral degree on 20th April 2016.

Student Achievements

Mr. Rabin Hansda:

-Presented Technical Proposal on "Kisan360" at the IEEE CCEM Pre-Conference Workshop (PCW) - 2nd April 2016.

Mr. Dhanush & Mr. Krishna B. L.

-Won 2nd Prize for hacking in "EmPliria Jam" Event Workshop on Raspberry Pi Conducted at AMC College from 20th – 23rd January 2016. This 4 day workshop performed Ethical Hacking using Rasperry Pi (Showing Android Mobile Vulnerabilities).

Ms. Sahana Hegde:

-Spring Fest at IIT Kharagpur West Bengal February 2016, won 3rd

Place.

-Pulse Fest 2016, at Jain College on 11th February 2016, won 2nd place.

-8th Mile Fest at RV College, Mysore on 21st February 2016, won 2nd place.

-She performed for Samarpana (Tribute to the Soldiers) on March 12th 2016.

Student Projects

-Mr. Akash Srivatsava, Mr. Vicky Keshri, Mr. Murtaza Salumber, Mr. Durgesh Singh Bisan – Mobile App and Website Help 2 Help for NGO Nanna Preethiya Shanideva Educational Foundation.

Publications

Journals

-S. Thenmozhi, Kavitha Bharathi,

"Reliable Resource Allocation for Energy Constrained Mobile Grid Systems", International Journal of Science and Research 2016, vol. 5, Issue 1, pp. 200-205.

CONFERENCE:

-Rashmi, A. Lekha & Neelam Bawane, "Analysis of Efficiency of Classification and Prediction Algorithms (KNN) for Breast Cancer Dataset", In Proceedings of International Conference on Information System Design and Intelligent Applications INDIA-2016, Springer, 8th January 2016, vol. 2, pp. 187-197.

-B. S. Chengappa, "Power Cyclic Number and Prime Number Ending with Digit 9", International Conference on Recent Trends in Engineering Science and Material Science, Jaipur, 17th March 2016.

Department of Mechanical Engineering

Events

Guest Lectures Delivered By Faculty

-Dr. T. R. Seetharam gave guest lecture on the topic "Special Topics on Heat Transfer" at BMNIT, Bangalore on 13th February 2016.

-Dr. K. N. Seetharamu, gave guest lectures on the topic "Thermal Management of Electronic Systems and Devices".

Industrial Visits

An industrial visit was organized for the B.E. students to Bangalore Metro Rail Corporation Ltd. on 10th February 2016 by Mr. Ullas M.

Conference/ Seminars/ Workshops – Conducted/ Attended

-V. Srinivasan conducted a three day seminar on "Geometric Dimensioning & Tolerancing" on 23rd – 25th January 2016 for Indo American Metal Injection Moulding Industry, Chikballapura.

-V. Srinivasan & Dr. D. Sethuram attended a two day seminar "All India Seminar on Residual Stress:

Key Challenges & Remedies" on 21st – 22nd January 2016 at Central Power Research Institute, Bengaluru.

-D.Sethuram & Mr. Ullas attended a two day seminar "Task Based Training – 2016, e-Yantra" on Robotics at Vidyavardhaka College of Engineering, Mysore on 13th & 14th Feb 2016.

-Suneel M. attended and guided students to the Bangalore-Nano Conference, "Nano for Young" on 4th March 2016 at Hotel Lalith Ashok, Bangalore.

Student Achievements

K. V. Shreyas and Sanjay M. R. Nandan:

-Presented a paper and secured SECOND PRIZE held on 20th March 2016 at "Conscientia-2016", the annual astronomy & technical festival of Indian Institute of Space Science & Technology, Trivandrum.

Ketan Pandit:

-Attended Vishwa Konkani Student Scholarship Fund program, "PRERANA'16 - A Confluence of Ideas & Motivation" at Mangalore.

Publications

Book

-Perumal Nithiarasu, Roland W. Lewis, Kankanhalli N Seetharamu, "Fundamentals of the Finite Element Method for Heat and Transfer, 2nd Edition, John Wiley, UK, ISBN:978-0-470-75625-6, Jan 2016.

Journals

-K. N. Seetharamu and T. R. Seetharam published a paper, "Correlations for Heat Transfer Coefficients and Wall Temperatures for Laminar & Turbulent Free Convection from Plane Vertical Surfaces to Supercritical Fluids," International Journal for Thermal Technologies, Vol.6, No.1, 2016.

Project

-K. N. Seetharamu, Principal Investigator and V. Krishna and, T. R. Seetharam Co-investigators had submitted a project proposal, "Thermal Management of PCB's to ISRO" on Respond Project, April 2016. (awaiting results).



Industrial Visit



VISTAS 2016



Department of Bachelor of Business Administration

Events

Guest Lectures

-Mr. Satish Shenoy, Owner of Apparel Manufacturing Business gave a lecture on "India's Foreign Trade Policy & Export Procedure" to 4th semester students on 28th January 2016.

-Mr. Avinash, Regional Head – ACT Fiber Net gave a lecture on "Globe Marketing" to 4th sem students on 30th January 2016

-Mr. Kuldeep Shivpuri, Assistant Manager - HCL gave a lecture on "Sales Enablement & Service Marketing" to 2nd semester students on 11th March 2016.

-Ms. Mohini Bhat, Associate Prof. – T. John College gave a lecture on "Time Series" to 2nd semester students on 23rd March 2016.

-Mr. Rohith, Customer Relationship Manager gave a lecture on "Marketing Events" to 2nd semester students on 13th April 2016.

-Mr. Souvik, Entrepreneur gave a lecture on "Life Philosophy, Business & Finance" to 4th semester students on 15th April 2016.

Sports Achievements

Mithun M. Bhat and K. Sai Varma
-Runners up in Mora Sixers- Sri Lanka, Colombo.

Student Achievements

Afzal and Chittar Akshay:
-College: Global Institute of Management, Event : Business Quiz Place: 1st Place on 18th and 19th March 2016
-College: Global Institute of Management, Event: Paper Presentation, Place: 1st Place on 18th and 19th March 2016.
College: Kristu Jayanti College , Event: Marketing, Place : 3rd Place
Names : Afzal – 6th semester and Ashwin – 6th semester on 9th and 10th February 2016.

Bharath- 2nd Sem, Nihith- 2nd Sem, Tejas- 2nd Sem, Prashil- 2nd Sem and Gaurav- 2nd Sem:
-Won 1st Prize in "Gaming" in MES College on 10th March 2016.

Akash- 5th Sem Fin:
-Won Consolation Prize in "AD Guru" in CB Bhandari Jain College.

Avirup Chatterjee- 5th sem fin:
-Won 1st place in "Best Manager" in C B Bhandari Jain College

Mohit Kumar Jain -1st Sem A:
-Won 1st place in "Hindi Poetry" in C B Bhandari Jain College.
- 1st place - Dayananda Sagar

Praneeth - 5th sem Fin:
-Won Consolation Prize in "AD Guru" in C B Bhandari Jain College.

Niranjan S. - 4th sem, Akash Nair- 2nd sem, D'cunha Shaili- 2nd sem:
-Participated in "Inter Collegiate Cultural Fest- Western Dance" and won :
- 1st place - BMC College
- 2nd place - New Horizon College
- 1st place - Mount Carmel College
- 1st place - C B Jain College
- 2nd place - R V Engineering College
- 2nd place - B M S Engineering College
- 1st place - Spring Fest Goa
- 1st place - Dayananda Sagar

Department of Master of Business Administration

Events

Guest Lectures

-Mr. M E Umesh Kumar, Principal Consultant, Hoovi.org – 22nd Jan 2016.

-Mr. K Nandakumar, Business Unit Head – Collision Repair & Head Strategy, Product Marketing and OEM alliances Automotive Aftermarket Division, 3M India Limited – 5th February 2016.

-Mr. M. G. Jayaram, IP Program Head, TCS – 12th February 2016.

-Mrs. Nayana Natarajan, Bengaluru based consultant in Marketing and Communication – 19th Feb 2016.

-Mr. Hariswamy, DGM(HR), BMRC – 19th Feb 2016.

-Mr. Paramantapa Das Gupta, Program Manager for Carrier Education, IBM India and South Asia – 21st March 2016.

-Mr. Siva Kumaravel, India Lab Services Leader for Social Business Practice under IBM Analytics group – 22nd March 2016.

-Mr. Vishal Prabhu, Practice Leader for IBM Commerce Software Services, ISA region – 22nd March 2016.

Industrial Visits

Company: Taegutec India Pvt Ltd
Industrial visit was organized on 27th April 2016 for 2nd Semester

students. This visit was a great learning experience for the students.

Management Fest

SIASTRA 2K16 is a Management Fest which is unique in its concept from other management fest conducted by various Management Institutes in India. The teams were invited across India from different UG and PG Management Institutes. Each team consisted of nine participants.



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During the first day of the fest, 87 participants were selected to enter the Big House which was under constant surveillance. The participants had no means of contact with the outside world for 72 hours. Various managerial events such as Finance (BULL'S EYE), Best Manager (THIRD EYE), Human Resource (HEAD HUNTER), Marketing (COLD EYE) and Operations (TIME CODE) were conducted for the participants in the Big House. There was a cultural show on the fourth day followed by Fashion Show from various other management students. The day ended with a grand DJ Night by DJ Rohan Kapoor.

Talent Search- Quiz Series-2016

State Level Quiz Competition was conducted on 28th March, 2016 at PES University, for undergraduate students across Karnataka. About hundred colleges participated in the Quiz and about 1000 participants participated from different colleges of Karnataka. The intention of this program was to identify, recognize and support the talent in students at various educational levels. The prize amount for the winner and the two runner-ups was respectively 20,000/, 15,000/ and 10,000/INR. The objectives of the program were the promotion of the Brands PESU and PESSAT; To create awareness of our Academic/ Non Academic and CSR/ CDP Programmes; To establish network with the participating colleges; Students database collection and updating; To explore the contacts for delivering our GD/ PI/ PM/ Quant programmes and To identify and motivate the talented graduating students.

Conference/ Seminars/ Workshops – Conducted/ Attended

-Anitha S. Yadav, "Gold Monetization Scheme: Issues and Challenges", "10th Annual International Conference on Digital Business" Bangalore., Karnataka, February 4th – 6th 2016.
-Anitha S. Yadav, G. V. M. Sharma and Mrs. Prakruthi N. Udupa, "Impact of Negative Working Capital On Company's

Profitability", "10th Annual International Conference on Digital Business" Bangalore., Karnataka, February 4th – 6th, 2016.

-R. R. Alluri, Professor "The Emerging ICT Paradigm: Digital Business Ecosystem", "10th Annual International Conference on Digital Business" Bangalore., Karnataka, February 4th – 6th, 2016.

-R. R. Alluri "Leveraging Information Technology For A Sustainable Business", "10th Annual International Conference on Digital Business" Bangalore., Karnataka, February 4th – 6th, 2016.

-B. N. Balaji Singh, Mr. Brijesh Singh and Mr. K. R. Ravi, "Winds of Change: A Case Study", "Quality Education, Entrepreneurship and Exemplary Business Practices for Social Change" Indore, Madhya Pradesh, February – 6th & 7th 2016.

-B. N. Balaji Singh, Mrs. Rekha H. Aranha, Ms. Smitha Srinivasan and Mrs. Priyanka Sharma, "Water Literacy An Empirical Study with Special Reference To The Apartment Dwellers in Bengaluru", "5th International conference SusCon –V" Shillong., Meghalaya March 17-19th 2016.

-Mrs. Sangeeta Mehroliya, "Learning Sustainability From Re-exporting Activity of Top Coffee Importing Countries", "SUSCON – 2016" Shillong., Meghalaya March 17-19th, 2016.

-Mrs. Sangeeta Mehroliya, "Analyzing Competitiveness of Coffee Plantation Export To Develop Framework for Inclusive and Sustainable Growth", "INDIALICS Conference on Sustainability and Inclusion" Trivandrum., Kerala, 18th March 2016.

-B. N. Balaji Singh, Mrs. Priyanka Sharma and Mrs. Rekha H. Aranha, "Innovative Pedagogical Methods to Facilitate Students Learning and Assessment- Beyond the Curriculum", "International Conference on Management Education: Looking beyond the Curriculum – What to Teach and How to Teach" Bangalore, Karnataka, 18th March 2016.

-B. N. Balaji Singh and Nandakumar P. M., "Awareness Opportunity & Challenge Using

Productivity Improvement Technique SME's", by International Huston, Tx & IBA Bangalore"

Ahmadabad, Gujarat, April - 18th and 19th 2016,

-Mrs. Priyanka Sharma, "Value System of Indian and Japanese Students- A Comparative System", "International Conference on Spirituality and Management: Indigenous Models of Sustainability, Good Governance and Spiritual Transformation", Bangalore., Karnataka, January 4th-6th, 2016.

On Field Researches

PESIMS, Kuppam
Our MBA Students have visited PES Medical College Kuppam from 2nd to 5th March, 2016 and conducted a research in and around Kuppam about the services offered by the hospital in that area. In that survey they studied the responses from the Doctors, General Public and Stake Holders. Detailed report has been submitted to management of PES Medical College and the whole event was a great success.

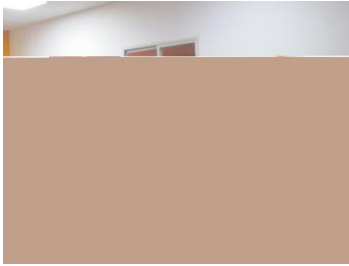
Student Achievements

Mr. Shreyas Murdeshwar and Mr. Yathish Salagundi
-Represented PES University Team which finished Runner up in Mora Sixes International Cricket Tournament at University of Moratuwa, Sri Lanka – 11th to 15th February 2016.
-Was part of PES University Cricket Team and emerged winners in REVAMP – T20 Cricket Tournament Organized by Reva University – 21st to 28th March 2016.
-Selected to represent PES University in All India Inter University Cricket Championship at Chennai 18th to 26th January 2016.

Publications

Journals

-R. K. Gopal with Ms. Bindu N. T. "The Fourth Dimension of Investor Decision – Making – Gut Feel & Belief Mechanism", "Intercontinental Journal of Finance Research Review", Impact Factor: 1.552 Vol 4, Issue 4, April 2016, ISSN:2321-0354 (Online) ISSN:2347-1654(Print)



Peenya Industries- Lean Manufacturing Consultancy Hub

Books

-C. Sivashanmugam, "Investment Management", Bangalore, India, Thakur Publications, First Edition, 2016. ISBN: 978-93-5163-631-1.

-C. Sivashanmugam, "Investment Banking & Financial Services", Bangalore, Thakur Publications, First Edition, 2016. ISBN: 978-93-5163-630-4.

Projects

Peenya Industries – Lean Manufacturing Consultancy Hub

Recently our Institute has been empanelled as Lean Manufacturing Consultants by National Productivity Council of Govt. of India. In this regard, few clusters of industries have been identified to implement Lean Manufacturing Technology Systems. For these clusters our institute provides

consultancy services in planning, developing, installing and maintenance of Lean

Manufacturing systems. PES University MBA Department, is the only private University empanelled as Lean Manufacturing Consultants across the country by National Productivity Council (NPC), Govt. of India. In this regard, one CNC cluster with 10 units has been identified for Lean Manufacturing consultancy, and project has been approved. The initial stage of this consultancy the Diagnostic Study Report(DSR) has been initiated under the leadership of Dr. B. N. Balaji Sing – Dean, Faculty of Management Studies, by Dr. R. K. Gopal – Department Chairperson, and Dr. Nandakumar P. M. – Associate Professor, Training on Team Building and Ownership Concepts for Employees of CNC Cluster Peenya as a part of LMC.Training conducted on 7th May and 15th May 2016.

MSME Incubation Centre Project

Date: 13th February 2016, Venue: PESU, MBA Block-Discussion Room, Time: 10.00am The PESU-MSME Technology Business Incubator has been approved by Ministry of MSME, Govt. Of India, with an ambition primarily for sustaining, at some basic or introductory level, the incubation of ideas that would have otherwise been lost for want of support. The expectations are that a sizeable percentage of the grantees/incubates would be graduating to higher levels of operation that would then require other form of support from other schemes/organizations including Venture Capital or Angel Funding. In this connection the inauguration of the PESU-MSME Business Incubator was held at the venue. Programme Name: My Dream Product, Date: 21st April 2016, Venue: PESU, MRD Block- Room, Time: 10.30am.



Annual Fest- Zeal



Cake Mixing



Department of Hospitality & Event Management

Events

Guest Lectures

-Mr. Nishith, H. R. Manager of Hilton Double Tree Suites, Bangalore delivered a lecture to final semester students on cultural diversity in "The Workforce In Hospitality Industry and the Challenges Faced by Expatriates in India." on 8th January 2016.

-Mr. Gurudath, Executive Chef and entrepreneur, Soul Kitchen, Bangalore delivered a lecture for 4th semester students on "Volume Cooking and It's Challenges." on 22nd March 2016.

-Four department heads from Aloft hotel, Cessna Business Park, Bangalore visited the campus and addressed the 2nd semester students. They spoke about their respective departments and the role played by each of the department in the overall functioning of the hotel on 30th

March 2016.

Fest

The annual fest, Zeal, was conducted on 5th and 6th February 2016. Zeal is a fest which has been conducted annually since 2006 and comprises of a technical competition and a sports competition. The fest saw participation from eight colleges in Bangalore and the rolling trophy was retained by PES University.

Cake Mixing

Another annual event that has become a tradition in BBA-HEM department is the cake mixing, which happens every December. Plum cakes are baked every year during December and are distributed to stake holders in the New year.

Workshops

A one day workshop on flower arrangement conducted by Sanddhyya Yadav, entrepreneur and floral designer, for the 4th semester students on 16th March 2016.

Culinary Workshop For Children With Special Needs

A workshop on culinary skill development was conducted as part of the department's CSR initiative, where thirteen selected students of Paatashaala, a school for special education, were taught Indian breakfast dishes and Indian snacks.

Professional Housekeepers Association Seminar

PES University department of HEM hosted the seminar conducted by Professional Housekeepers Association in May 2016.

Department of Science and Humanities

Events

Community Development Programme

Rashtriya Avishkar Abhiyan Initiatives to encourage Science and Mathematics in Schools Initiatives Undertaken and Implemented Adopted 10 BBMP (Bhrihat Bangalore Mahanagar Palike) Schools and two Govt.

Enable Teacher Support system
-A Workshop was organized and conducted during May 2014 at the PES campus to sensitize Science teachers from the BBMP schools on the new curriculum from NCERT.

School Science Facility
-Ten BBMP schools were provided with five science experiment sets as requested by the schools. Effective Classroom Transaction and Assessment -Science, Mathematics and Social studies animation software for VIII, IX and X class students of selected schools.

Community Sensitization and Engagement
Students of neighborhood high school trained for the National Merit cum Means Scholarships. Student CSR club engage with the two BBMP school students in the neighborhood and provide exposure to yoga, training them in personal hygiene, spoken English etc. Health checkup camps.

Student Achievements

Pratik R:
-Third Place in Re-Imagine Waste Hackathon at IISc year 2016.

-First Place in Hackathon at MSRIT year 2016.
-First Place in MOCK-STOCK at RVCE year 2016.
-Third Place in SCI-FI Science Fest at PESU year 2016.

Ganesh K:
-87th Percentile badge holder in Algorithms Domain as of March 2016.
-Rank 1933 out of 44256 in Hackerrank Python Domain as of March 2016.

Nishant Sondhi:
-Bagged the award of "Verbal Recognition" in the "Inter PES MUN – 2016".
-Member of "Public Relations" in E-Cell for the event "Endeavour 2016"

Jyotsna Nayak Sagri:
-2015-2016 – Participated in the hacker's workshop at BMSCE fest – phase shift

Robin Gopalakrishnan:
-Won Hackathon-PES Hashcode (2nd Place-Rs. 25,000)
-Won Intel Anadigix IoT Hackathon-(1st Place)
-Won HP Codewars (2nd Place)

Research Projects

Project Funds From Public Sector

-K. Raghavendra (PI) is working on a project titled "Growth and Physical Properties of Nonlinear Optical Crystals". The project was sanctioned 4.75 Lakhs by PESU in March 2016.
-Basavaraju M. B (PI) is working on a project titled " ZnO-Graphene Quantum Dots for Light Emitting Diodes". The project was

sanctioned 2.6 Lakhs funded by PESU from 01.10.2015 - 01.10-2016.

Publications

-Shankar. B. M, Jai Kumar and I.S.Shivakumara, "Stability of Natural Convection In A Vertical Dielectric Couple Stress Fluid Layer In The Presence Of A Horizontal Ac Electric Field." Applied Mathematical Modellingdoi:10.1016/j.apm.2016.01.005, 2016 (2.25).
-Shankar, B. M., I. S. Shivakumara and C. O. Ng, "Stability of Couple Stress Fluid Flow Through A Horizontal Porous Layer", Journal of Porous Media 2016 (1.02).
-Shankar, B. M., Jai Kumar and I. S. Shivakumara, "Effect of horizontal AC Electric Field On The Stability Of Natural Convection In A Vertical dielectric fluid layer", Journal of Applied Fluid Mechanics 2016 (0.75) and "Effects of AC Electric Field And Couple Stresses On The Instability Of Natural Convection In A Vertical Porous Layer", Meccanica 2016 (1.97).
-Sunita M. S. , Chiranth V., Akash H.C, Kanchana Bhaaskaran, "Pipeline Architecture for Fast Decoding of BCH Codes for NOR Flash Memory", ARPN Journal of Engineering and Applied Sciences, V.S, Vol.10, No. 8, May 2015, pp. 3397-3404.
-Sunitha V. R. & Radhakrishnan S. , "Field Enhanced Li Ion Conduction In Nanoferro Electric Modified Polymer Electrolyte Systems" , IONICS- springer, Ionics (2015) 21:949–954.



Community Development Programme