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Arrangements for AAVISHKAR-2019



BLDEA's

V. P. Dr. P. G. HALAKATTI COLLEGE
OF ENGINEERING & TECHNOLOGY

GLIMPSES OF AAVISKAR-2019



Students explaining their projects to Judges



I Prize Winners Chaitanya PU College Sirsi



II Prize Winners New PU College Raibag



III Prize Winners S. Joseph PU College Vijayapur



Prize for Highest Number of Projects Exhibited BLDEA's S. B. Arts and K. C. P. Sci PU College



**HELMETS WITH SENSOR
CAUGHT ATTENTION**

AAVISHKAR 2019

A state level Science Exhibition for PU students "AAVISHKAR—2019" HAD BEEN organized at BLDEACET on 28th December 2019. Students from all over Karnataka especially from the districts of Vijayapur, Bagalkot, Belagvi, Kalaburgi and Yadgiri districts participated in this Exhibition. This exhibition was organized for the second consecutive year on the behest of BLDE Association to develop Scientific temperament, Innovative skills and Analytical aptitude among the young students of classes 11 and 12 who have chosen Science stream. Technological development needs a strong scientific foundation to prepare different prototypes, working models etc for the benefit of the society. This exhibition was also aimed at the popularization of Science and Technology among masses and create awareness about its impact on socio - economic and sustainable development of the country.

More than 400 projects were displayed by nearly 1200 students in more than

200 stalls. About 5000 students, parents, teachers have got the opportunity to see the exhibition. The state level science exhibition was inaugurated by Dr. K. J. Pujari, Dr. R. V. Kulkarni, Prof. I. S. Kalapanavar, Dr.V. P. Huggi and Prof. B. R. Patil. The event was coordinated by Prof. S. S. Chappar of Mechanical Engineering Department. A panel of 11 judges was appointed to adjudicate the projects and declare the prizes. One first prize worth Rs. 25000/-, one second prize worth Rs. 15000/-, one third prize worth Rs. 10000/- and five consolation prizes of Rs. 5000/- each were distributed.

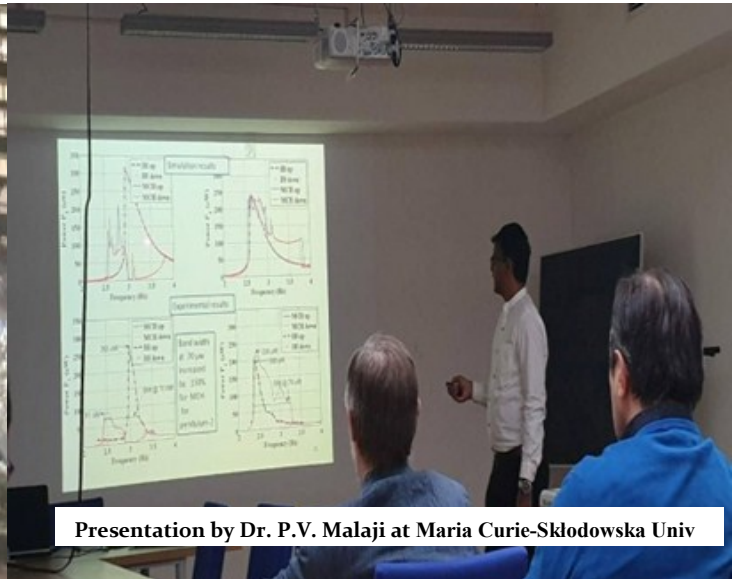
Students from Royal PU College, Jamakhandi, displayed a model of Helmet with Sensor. The sensor can enable the helmet functions on semiconductor diode principle. A bike rider must wear the helmet with sensor otherwise the bike doesn't start. The bike turns off if the helmet is removed. The main objective of developing this helmet is to avoid accidental death due to head injuries occurred for not wearing helmet. The students were motivated to develop this helmet when they lost their close friend due to road accident. There were many projects displayed in the exhibition which were focused on the conservation of energy, climate change use of waste plastics, rain water harvesting, use of solar energy, black hole formation, DNA finger printing etc.

List of Prize winners of Aavishkar-2019

Prize	PU College	Project Name
I	Chaitanya PU College Sirsi	Agro Hacks
II	New PU College Raibag	Rocker Cum Smart Wheel Chair
III	S. Joseph P U College Vijayapur	Blood Pressure With Respect to Salt
Consolation	N B Patil P U College Vijayapur	Home Made Air Cooler
Consolation	Konnur PU College Yallatti	Automatic Hydal Power Dam Project
Consolation	Ajeet PU College Bagalkot	Eco Friendly Conservation of Energy
Consolation	Sana PU College Athani	Combo Car
Consolation	Mahesh PU College Vijayapur	Black Hole
Highest number of Projects exhibited	BLDEA's S.B.Arts & K.C.P Science College Vijayapur	



Lublin Univ. of Tech, Lublin



Presentation by Dr. P.V. Malaji at Maria Curie-Skłodowska Univ

Guest Scientist visit to Lublin University of Technology, Lublin, Poland by Dr. Pradeep V Malaji



20TH YOUTH FESTIVAL "INSIGNIA"



LAB VISIT AND INTERACTION WITH VICE RECTORS AND HEAD DEPT. OF AUTOMATION AND ROBOTICS

Dr. Pradeep V Malaji, Department of Mechanical Engineering has visited Lublin University of Technology, Lublin, Poland as a guest scientist under ehDIALOG (International project, Ministry of Science and Higher Education, Poland). During his visit he interacted with, faculties and

researcher of the university. He delivered talk at Maria Curie-Skłodowska University, Lublin. He interacted with Vice Rector (Research) of Lublin University of Technology regarding possible MoU with BLDEA. He also visited Lodz University of Technology, Lodz.

Miss Sayeda Iram Quadri of 7th semester won second prize in Debate competition in 20th VTU Youth festival "INSIGNIA" held at SDM College of Engineering and Technology, Dharwad during 6th to 9th November 2019.



A cash prize of Rs.1500.00 was sponsored by Ultra Tech Cement Company to each student who secured highest marks in Concrete Technology subject.

Miss. Deepa Chavan won the prize for the year 2018-19



GUEST LECTURE ON ROADS TO VIBRATIONS AND APPLICATIONS

Dr. Shaikh Faruque Ali, Associate Professor of Applied Mechanics, Indian Institute of Technology, Madras was invited to our institution to deliver a talk on his research interest “ Roads to vibrations and applications” on 18th October, 2019.

Dr. Shaikh Faruque Ali was a Newton International Fellow in the University of Swansea, UK. He has been a research scientist in Automatic Control Laboratory, IUT-Longwy, CRAN-CNRS, Nancy University, France. Dr. Ali obtained his doctorate in the Department of Civil Engineering at Indian Institute of Science, Bangalore. Dr. Ali's current research interests are in the interdisciplinary area of smart materials and structures, vibration based Energy Harvesting for wireless smart systems and in nonlinear control of smart systems. His works include both development of suit-

able control algorithms for structures and their experimental verifications. Dr. Ali is also interested in control of infinite dimensional systems and control applications to bio-medical engineering. The Principal of the Institution Dr. V.P. Huggi and Vice Principals, Dr. P.K. Gonnagar, Dr. P.V. Malaji welcomed him. The faculty members and students of Mechanical engineering Department and other Departments attended the session. Institute Research Advisor Dr. Kusal K. Das and Institute R&D coordinator Dr. R.S. Malladi were also present.

The Research Club of BLDEA's V.P. Dr. P.G. Halakatti College of Engineering and Technology was inaugurated by the honorable guest on the same day. The purpose of having a research club in the institution is to share the innovative ideas of the students and faculty members on the same platform, to enthuse and motivate the research scholars

of the institute and to keep the research temperament alive among the staff and students of the Institute.

NIRMAAN ICESSE 2019



Vijayakumar Biradar, Mr. Vinod Ningapur, Gururaj Hiremath & Bharat Hiremath won third prize in “*Bridge your way*” competition during the International level Civil Engineering Student's Tech Symposium, NIRMAAN ICESSE 2019 at BMS College of Engineering Bengaluru on 9th-10th November 2019. Sixteen students of 7th semester participated in this event.



GUEST LECTURE BY DR. ZAR ZAR LINN

Guest Lecture on 'Machine Translation' by Dr. Zar Zar Linn, Myanmar Institute of Information Technology, Myanmar was delivered to final and pre final year students on 13/11/2019 from 11.15pm to 1.00pm at Swami Vivekananda Seminar Hall.

'Machine Translation' a sub-field of computational linguistics that investigates the use of software to translate text or speech from one language to another. MT plays an

important role in benefiting linguists, sociologists, computer scientists, etc. On a basic level, MT performs simple substitution of words in one language for words in another, but that alone usually cannot produce a good translation of a text because recognition of whole phrases and their closest counterparts in the target language is needed. Dr.Zar Zar Linn provided a good demonstration to students about challenges and progresses in this field through a very interactive session.

ALUMNI VISIT



Alumni of E&C department visit and interact with students about industry standards. Mr. Sripad Kulkarni, EC Engineer, LaMarche smart chargers manufacturing, Chicago, USA & Mr. Vaibhav Hosur, Software Engineer, Robert Bosch, Bengaluru, Mr. Sanjeev Kulkarni, Senior software engineer, Autoliv pvt ltd, Bengaluru, Mr. Pavan Kulkarni, Veoneer pvt ltd, Bangalore & Mr. Vijay Sambanni CTS Mysore, delivered guest lectures on 'Career Guidance' as a part of 'Company Specific Awareness Programme'. Mr. Pavan Kulkarni emphasized on introducing new courses for students relating to core electronic industries.

PROF. R. M. MATH VISITS RIT, ISLAMPUR AS RESOURCE PERSON



.R.M.Math conducted session at RIT, Islampur as part of AICTE funded FDP- 'Embedded Systems and IoT' on 11th November 2019. The session titled 'Precision Agriculture using Machine Learning algorithms' was accompanied with hands on demonstration about implementation of IoT to achieve smart agriculture benefits. IoT based Smart

Farming improves the entire agriculture system by monitoring the field in real-time. With the help of sensors and interconnectivity, the Internet of Things in agriculture has reduced the extravagant use of resources such as water and electricity. Latest developments in electronics is revolutionising the way historical weather and metrological data can be

utilized. The real-time data and historical data when combined together and applied to machine learning models provide yield prediction, Irrigation scheduling and recommendation systems. Mr.R.M.Math's demonstration of including IoT, web services and machine learning methods on a single platform was well appreciated.



IMPORTANCE OF NANOTECHNOLOGY IN THE MODERN ERA

Institutional Research and Development cell and Chemistry Department organized a guest lecture on **'Research in Nanotechnology present status and future trends'** on 9th Oct, 2019 in library seminar hall. Dr. Raviraj M. Kulkarni, Professor, Department of Chemistry of KLS Gogte Institute of Technology, Belagavi enlightened the participants about the importance nanotechnology, its current role in development

of new materials and the research trends in Nanotechnology.

Faculty members of various departments, research scholars, PG and UG students attended the guest lecture. The lecture was useful for first year students as they can think over a career option in nanotechnology in future for post graduate studies and research.

GUEST LECTURE ON BUILDING BY-LAWS



A guest lecture on **"Building By-Laws"** was arranged for 5th semester students of Civil Engineering Department on 11th November 2019. The resource person was our Alumni Mr. Arun Sarsambi, Cofounder & Head of Engineering Division, CForlis, Vijayapur.

GUEST LECTURE ON MACHINE TRANSLATION



Dr. Zar Zar Linn, Professor, Department of CSE, Myanmar Institute of Information Technology (MIIT), Mandalay, Myanmar, delivered a Guest lecture on **"Machine Translation"** to the 3rd and 5th semester students of Computer Science Engineering on 14th November 2019. Dr. Linn explained the basics of machine learning and the importance of Machine learning and Translation in building real world applications. The event was coordinated by Prof. Dakshayani Ijeri & Prof. Anil Bharate. Dr. Zar Zar Lin was also invited by the Departments of Information Science & Engineering to deliver a talk on **"Machine Translation"** on 30th

November 2019. The students of final year listened to the lecture to get informed about the importance of Statistical Machine Translation and its usage in analysis of monolingual and bilingual corpora, and the methodologies for language translation.

A SEMINAR ON 3D PRINTING TECHNOLOGY



Department of Mechanical Engineering has organized a seminar on 3D PRINTING TECHNOLOGY ON 7th November, 2019. Resource person Dr. Yogi Gandhi, CEOUS Institute of 3D Technology, **California** addressed the students regarding the 3D printing technology by comparing traditional and modern methods and its applications in various fields. He also glanced on the basic principle used in Additive manufacturing, various materials for 3D printing, Different types of printers, Success

stories. The session was very interesting for the students because of the real demonstration on 3D printer. He also explained about **training programmes and Internships** conducted by USI3DT at our institute to boost the technical skill using different methods used for 3D printer. Approximately 200 students of V semester from Mechanical, Electronics & Communication, Automobile, Architecture, Civil and Electrical & Electronics Engineering have attended the seminar.

GUEST LECTURE ON MACHINE TRANSLATION

The Departments of Information Science & Engineering organized a Guest Lecture on **“Machine Translation”** 31st October 2019. The guest speaker **Mr Ravi S Parashetty**, Principal Software Engineer, Dell Technologies, Bangalore. The talk was about how industry is dependent on **“Future in Information Technology”** and pre-requisites to be in an industry. The target audiences were pre-final year students and 2nd year students of Department of Information Science and Engineering.





Inauguration

Participants

VTU CONSORTIUM CLUSTER LEVEL TRAINING PROGRAMME

The library and Information Centre of BLDEA's V.P. Dr. P. G. Halakatti College of Engineering and Technology, Vijayapur in collaboration with VTU Consortium, VTU, Belagavi, organized VTU consortium cluster level training programme on "E-Resources for Academic Excellence" on 14/10/2019. The programme was inaugurated by Dr. Muttayya Koganuramth, Dean and Professor (Former) Central University, Gujarat and Dr. Shrikant G. Karkun, Librarian, Basaveshwar Engineering College, Bagalkot and the resource person for the training program. In his key note address, Dr. Muttayya Koganuramth highlighted the importance of e-resources for academic excellence, types of E-Resources and life cycle of E-Resources, collection development and administration of e-resources. E-Resources are the backbone for research activities and comparison made with the traditional library practices. He also told that, change is inevitable; one

has to shift from traditional practices to the electronic resources abundantly available in the chosen domain.

The Mobile Library App was released by the principal Dr. V. P. Huggi during the inaugural function.

Dr. M. M. Bachalapur chief librarian and programme coordinator welcomed the gathering and briefed about the objectives of E-resources training programme.

Vice Principal (R&D), Dr. P. V. Malaji, introduced the chief guest to the audience, Prof. R. G. Talasadar, Academic Coordinator proposed the vote of thanks. The Technical Session was conducted by Dr. Shrikant G. Karkun, Librarian, Basaveshwar Engineering College, Bagalkot who delivered a talk on 'Academic Search Engines: Access to scholarly content. Dr. M. M. Bachalapur, Chief librarian of BLDEA's V.P. Dr. P. G. Halakatti Engineering College and Programme Coordinator delivered a lecture on 'Best Practices to promote E-Resources: A special reference to BLDEACET Library'.

There were several product presentations by Springer Nature, Elsevier Science Direct, McGraw Hill Education Express E-Books, Emerald Insight, Sententia - A formal writing assistive tool of Net Analytics. Mr. Akshaya Prasanna, representative of Turnitin-Similarity Index tool conducted live webinar. He demonstrated the different features of Turnitin. He also checked the documents for plagiarism using turnitin tool. Mr. L .N. Mishra representative from New Age International Books gave a product demo and explained the features to the participants.

The programme was attended by more than 120 students, research scholars and faculty members of Engineering Colleges of Belagavi region.



SAY NO TO PLASTIC

On the occasion of 150th Birthday of Mahatma Gandhi, on 2nd October 2019 the Department of Architecture organized an awareness programme on 'SAY NO TO PLASTIC'. This awareness programme

covered the areas like two vegetable markets in Gandhi circle, Basaveshwar circle, Gagan Mahal and SSI church. The programme started at around 7.45 am with the garlanding to the statue of Late Shri. Mahatma Gandhi by HOD Prof. V.P.Tanksali at Gandhi

circle and followed by parade with slogans on "SAY NO TO PLASTIC" in the Lal Bahadur Shastri market area. The group members collected garbage and distributed paper bags to the vendors and buyers, saying not to use plastic bags.



ZONAL NASA CONVENTION

The students of Architecture Department have been a part of NASA (National Association of Student of Architecture) and every year, they attend the Zonal and National Level Conventions. This time Acharya Nagarjuna University College of Architecture and Planning conducted 62nd zonal event of National Association for the

Students of Architecture (NASA) from October 5 to 8 in its campus premises. More than 2,100 architecture students from 60 colleges of Karnataka, Goa, Telangana and Andhra Pradesh were participated in the event. Workshops on brick, metal, bamboo, parametric architecture, seminars on sustainable architecture, vastu vidya and other events had been lined up.

Talk shows, formal and informal events were conducted to bring out the talent of the participants. Our college was short listed in **top ten colleges for Reubens Trophy in Zone5 (60 colleges)** Architecture colleges. Our 49 students were participated in ZONASA Guntur accompanied by Faculty and **NASA COORDINATOR** Asst.Prof : G.G.Namadar and Attender M.Y.Makandar.

INTERNATIONAL CONFERENCE



Prof. Shridevi Angadi, Prof. Asha Arwika and Prof. Anuradha Tankasali attended International conference on “**Environmental Degradation: Key Challenge to Sustainable Development**” organized by IEI Telangana State Centre at Hyderabad from 22nd to 24th November.



A Guest Lecture was Organized by **Department of Electrical And Electronics Engineering** on the topic “**Power System And Its Challenges**” for final year students on 6th November 2019 by Dr. G. H. Kulkarni, Professor and Head Department of Electrical and Electronics Engineering, Jain College of Engineering, Belagavi.



NSS UNIT ORGANISES AWARENESS PROGRAM ON WORLD AIDS DAY

National Service Scheme (NSS) Unit in association with Health and Family Welfare Department, Government of Karnataka, Organized “WORLD AIDS DAY” on 1st Dec, 2019 in BLDEA’s V.P. Dr. P. G. Halakatti College of Engineering and Technology. Zilla Panchayat CEO of Vijayapur Govindreddy was the Chief Guest of the Function. Over 90 Students, staff members and locals participated.

- 1) To encourage men to take care of themselves, their partners and families
- 2) Provide good-quality education on sexual health, HIV/AIDS and life skills for boys – and girls – in and out of college.
- 3) To promote programs which respond to the needs of men and women.
- 4) Advocate for social, economic and legislative changes to protect the rights of men and women and to challenge the social norms that increase the risk for women of HIV infection through men’s behavior.

