

Karnataka people and also stall was set up with complete decorations and art work related to the theme. Finally even a food stall was set up which served North Karnataka cuisine.



Ayudh Pooja was performed by the HOD and staff members of the department at the Machine Shop lab on the occasion of Vijaya Dashmi, also the machineries of other lab was also cleaned and decorated and the pooja was done accordingly.



(A glimpse of Ayudh Pooja celebrations at the department)

Innovative Teaching methods were implemented in the department wherein various working models were prepared by the students using 3-D printing machine as a part of a mini project work. Also the students were allotted various mini-project topics by their respective guides and were asked to work on the same during this odd semester. Each guide was allotted atleast 6-8 students and the students were asked to work on the mini-projects in a group of 2. Hence students from all the three academic years (2nd, 3rd & 4th year) got more exposure on working on their respective mini-projects under the guidance of their respective guides. And finally a huge count of mini-projects were submitted by the end of the odd semester.



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Department of Mechanical Engineering

ISSUE-9

MECHMERISE

January 2019

Vision : To become a center of excellence and a platform in diversified fields for the aspirants in Mechanical Engineering.

Mission

- To impart comprehensive education in the field of Mechanical Engineering to produce highly accomplished graduates
- To endow technical & soft skill trainings to foster professionalism and ethical values among students
- To induce innovative thinking among students through projects and research work

Program Educational Objectives (PEO's)

PEO-1: Progress their career as a professional in mechanical engineering and interdisciplinary fields
 PEO-2: Become successful entrepreneur with social responsibilities and ethical values.
 PEO-3: Pursue higher education and involve in research of allied areas in mechanical engineering.

Orientation Programme

As per the TEQIP norms, an orientation session was conducted for all the teaching & non-teaching staff members and also for the PG & the UG students during the start of the odd semester 2018-19. The HOD addressed the roles & responsibilities, code of conduct and about the different committees that are present for the welfare of the students. Everyone was strictly informed to abide by the rules & regulations of the department and the college.



HOD addressing the 3rd sem students during the orientation programme

Industrial Visit by Faculty

HOD and three Professors Dr. H K Srinivas, Dr. Kiran Kumar P & Dr. H R Vitala from the department visited the industry Festo India Pvt. Ltd. on 11th October 2018 and discussed with the technical team of FESTO regarding possible Industry Institute Interaction for getting the internship for students, industry visits, projects and for setting up of centre of excellence at SJBIT. With this fruitful discussion, a mobile industry van expo from FESTO was successfully conducted in front of mechanical department on 22nd October 2019.



(HOD and Professors at Festo India Pvt Ltd)

Student Workshops

One student workshop was conducted on the topic First Aid Safety & CPR (Cardio-Pulmonary Resuscitation) for the students of 5th semester from



(Dr. Abhijith explaining the students on how to react and take action during emergency health situations)

the streams of Electrical, Electronic & Communication and Mechanical background on 6th Oct, 2018. The session was held at Aryabhata Seminar Hall, Mechanical Department and was handled by Dr. Abhijith Y V from BGS GIMS & his team. He briefed about various safety aspects to be taken care in industry, workplace & home. He highlighted the importance of First Aid and steps to be followed during an emergency. This workshop was successfully completed under the guidance of Assistant Professors Mr. Thirumala S V & Mrs. Rashmi B J.

Guest Lectures

Two guest lecture talks were held during the semester for the UG students. Mr. Sanjay B.S, Assistant Professor from the department successfully guided and helped for the completion of these guest lectures. Mr. Asif Khan, Head of Training & Development Department - Prinston Smart Engineers, was invited to address the 7th semester students on 26th September, 2018 & 5th semester students on 29th November, 2018 on the topic "Heating Ventilation Air-Conditioning". He addressed the students about HVAC and its working process, the design & manufacturing process involved in it.



(Guest lecture on HVAC by Mr. Asif Khan)

Alumini-Student Interaction

Two Alumni-Student interaction were conducted during the semester in the department. Mr. N Bhanuprakash, Assistant Professor from the department got in contact with the alumni and helped in the successful conduction of these alumni-student interactions. On 27th Sept 2018, Mr. Gowtham B (batch 2013-17) who is currently working in Saffron Aerospace, Bangalore as a Design Engineer interacted with 5th sem students and highlighted the importance of mechanical subject like Design of



(Mr. Gowtham B addressing the 5th semester students)

Machine Elements, Heat Transfer and Mechanics of Materials and also about the importance of design and analysis softwares. On 28th Sept 2018, Mr. Poojith M B (batch 2013-17) who is currently working in Lot Truck, Bangalore as a Logistic Maintenance Engineer interacted with 7th sem students and highlighted on Product design, Design & Sketching Courses techniques in companies.

Industrial Visit

Two Industrial Visits were conducted for the students of mechanical engineering during the odd semester. 5th semester students were taken to KSRTC Regional Workshop, Kengeri on 28th Nov, 2018. And the 3rd semester students got a chance to visit TVS Motor Company Ltd, Hosur on 24th Oct, 2018. Students were accompanied by the Assistant Professors Mr. Lohith Kumar, Mr. Abhijith Gowda, Mrs. Vanishree T S. & Mrs.



(KSRTC Regional Manager interacting with the students)



(Students & Faculty at TVS Motor Company Ltd in Hosur)

Suma B T during these visits. Both the above mentioned industrial visits were successfully conducted under the guidance of Mr. Karthik Raj, Assistant Professor.

Additional Coaching for Students

Coaching classes on GATE competitive exams by ACE Engineering Academy was arranged for 7th semester students on Aug 10th, 2018. Coaching classes on GATE competitive exams by Vani Institute was arranged for 5th and 7th semester students on Aug 14th, 2018. People from various GATE coaching centers were invited to the college to give demo sessions to 3rd & 4th year mechanical engineering students. This helped the students to decide better, which coaching centers to go ahead with for their preparations for GATE exams. Also some of the above mentioned coaching centers conducted mock GATE tests to our students after their training session, and students who came up with good scores were awarded with scholarship on joining their coaching centres.



Representative from GATE coaching centres addressing the students)

Extra-Activities

Innovative Business Ideas competition was organized by the ED Cell of Civil Department. Students from our department won this event with their idea as 'Recycling of Waste Cigarette Butts'.



(Winners of Innovative Idea Competition)

An intra-collegiate quiz and debate competition was jointly organized by Mechanical and Civil department (Co-ordinator from Mech dept - Mr. Naveena Kumar R R) on Nov 16th, 2018 respectively. The topic for debate was based on current issues & education related issues and the quiz was Entrepreneurial Quiz.



(Mechanical students who won the competition awarded by the HOD)

On the occasion of college **Ethnic Day**, the department of Mechanical Engineering participated with the theme of North Karnataka and overall inter-department championship (on-stage and off-stage performance/activities) was won by Mechanical department by a comfortable margin. All the students, teaching & non-teaching staff members of the department dressed up in the attire of North