



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC

AUTO HORIZON

NOVEMBER 2017

Newsletter Issue 6

Department of Automobile Engineering

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INAUGURATION OF SAE COLLEGIATE CLUB



SAE (Society of Automotive Engineers) INDIA- New Horizon College of Engineering Collegiate Club was inaugurated on 04/10/17 by Mr. J. Muni Rathnam, Chairman- SAE INDIA, Bangalore Section, Mr. K.P. Murthy, Vice-Chairman SAE INDIA, Bangalore Section. SAE INDIA is an affiliate society of SAE International registered in India as an Indian nonprofit engineering and scientific society dedicated to the advancement of mobility industry in India. It offer student members organize programs and activities, fellowships and leadership experience. As on today club consists of 119 student members and 02 faculty members.

INDUSTRIAL VISIT TO BEML LTD

An Industrial visit was carried out to BEML Ltd, KGF Complex, on 18th November 2017 by the Department of Automobile Engineering for Fifth and Seventh Semester students. Students visited the Earth Movers Division (EM), there were the shops and departments like Dozer Assembly, Machine shop, Defense section, Plate shop, Heat treatment shop, and Gear shop. Fabrication activities are spread over 4 shops, viz., Fabrication Shop, Dozer Fabrication Shop, Minor Fabrication Shop and Heavy Equipment Shop. Final process was gear shaving in which super finished tooth are formed with high accuracy.



WORKSHOP ON “DESIGN AND FABRICATION OF AN ATV”

A Workshop on Design and Fabrication of All Terrain Vehicle was conducted in two slots from 13th August to 15th August and from 19th August to 29th August. No. of students participated is 30. In this workshop, students had an exposure to vehicle dynamics like chassis and suspension, suspension and steering, braking and power train. They were trained in vehicle designing of disc brake, steering, springs and dampers, tires and rims using Solidworks and analysis using Ansys. Students had a hands-on experience of fabrication like welding and assembling different parts of ATV. Students were also trained in all the safety measures that have to be taken by designers while building an ATV.



INDUSTRIAL VISIT TO TVS MOTORS COMPANY

An industrial visit was conducted on 16th and 17th of November 2017 to TVS Motors, Hosur. Students were given detailed information about the history of TVS Motors and their rich heritage in racing. They were shown new BMW-TVS collaboration bike which is of 350CC. Students visited various shops such as, manufacturing shop, assembly shop, paint shop, engine testing, etc.



Expert Talks

- An expert lecture on “ Small Scale Industries” by Mr. Gaurav Singh, Regional Division Manager, NEN was conducted on 10-11-2017 for the students of V sem.
The session included discussion on small scale industries classification, objectives and functions, government schemes for SSI.
- An expert lecture on “Advanced manufacturing machines”, by Mr. Gnanashekhar (Business Development manager, Fourth dimension), was conducted on 09-11-2017 for the students of III sem.
The discussion was on Non traditional machining, process capabilities of different methods, traditional manufacturing and advanced manufacturing .
- An expert lecture on “ Applications of first and second law of thermodynamics”, by Mr. Parimal Priyadarshi (CEO, Brain storming Labs) on 08-11-2017.
The discussion was on thermodynamics laws in general, first and second law of thermodynamics applications in detail.
- An expert lecture on “Tyre pyrolysis and alternate fuels”, by Mr. Aravind V (Senior Engineer, Lakshmi Enterprises), was conducted on 07-11-2017 for the students of V semester.
The discussion was on different alternate fuels, pyrolysis process, tyre pyrolysis,-process, economics, use, challenges and applications.
- An expert lecture on “Parts of an IC engine”, by Mr. Rajendran P (Training Head, Toyota Service) was conducted on 07-11-2017 for the students of V semester.
The discussion was on parts of IC engine– materials, functions, types, service issues, service procedure, economics, engine overhauling in general.
- An expert lecture on “Automotive Design - Overview”, by Mr. Nagaraj Kulkari (Business Development Manager, Coresoft Synergies) was conducted on 10-10-2017 for the students of III semester.
The discussion was on Automotive Design– History of automobile and its design changes, ergonomics, aerodynamics basics, concept design, Class A surface, etc.
- An expert lecture on “Introduction to 3D bar element using numerical approach”, by Mr. Bopanna (Asst. Professor, Mechanical Dept, NHCE) was conducted on 15-09-2017 for the students of VII semester
The discussion was on FEA in general, different bar elements, solving by numerical approach.

Guest Lecture details

- Guest lecture on “ Importance of GD & T” by Mr. Gnanashekar (Business Development manager, Fourth Dimension) on 9-11-2017, for the students of III sem.
The session included discussion on Geometric dimensioning, forms, fits and Tolerances, control frame, significance of GD & T.
- Guest lecture on “ Higher studies (GATE,GRE,TOEFL,IELTS)” by Mr. Saravanan (Centre head, Gate Forum) on 8-11-2017, for the students of V and VIII semester.
The session included discussion on higher studies and its entrance requirements, entrance exams and preparation required, scope for indian students aspiring for studying abroad.
- Guest lecture on “ Application of Hydraulics in machines” by Mr. Sai Trilok (Application Engineer, Sai Hydraulics), on 28-10-2017, for the students of III sem.
The session included discussion on Pascal’s law, hydraulic principles , hydraulic actuators and their principle. Application of hydraulic machines.
- Guest lecture on “ Personality Development” by Ms. Rakhi, (Executive, Management Development Centre, NHCE) on 3-9-2017, for the students of automobile engineering.
The session included discussion on soft skills, motivation and personality development.

Sports Achievements

- Ashwini(1NH15AU007) and Ashwitha(1NH16AU040) part of college Kabaddi team participated in event named “VTU Inter Collegiate Athletic Meet' 2017-18”, conducted by VTU, Belgaum from 03-11-2017 to 6-11-2017.
- John Rathnam(1NH15AU404) and Prajwal Kumar(1NH16AU019) part of college Volleyball team participated in event named “Smt. Nagaratnamma Memorial Cup'17”, conducted by Acharya Inst. Of Tech, Bangalore from 30-10-2017 to 31-10-2017 and got the runner up position.
- John Rathnam(1NH15AU404) and Prajwal Kumar(1NH16AU019) part of college Volleyball team participated in event named “Devadan Cup”, conducted by Christ University, Bangalore from 16-10-2017 and secured the I position.
- Akarsh(1NH13AU064), Sumukh(1NH14AU053),Vasanth Kumar(1NH15AU006) part of college cricket team participated in a event named “AMC T20 Cricket Cup”, conducted by AMC Engg. College, Bangalore, on 16-10-2017 and secured the 2nd place.

- Akarsh(1NH13AU064),Sumukh(1NH14AU053),Vasanth Kumar(1NH15AU006) part of college cricket team participated in a event named “Annual International Sports Fest, 2017”, conducted by PES University, Bangalore, from 11-10-2017 to 14-10-2017 and secured the 2nd place.
- Saad Mohammed Iman (1NH14AU043) , participated in event named “Inter Collegiate Single Zone Tournament Meet“, conducted by Siddaganga Institute of Technology, Tumkuru from 15-09-2017 to 17-09-2017 and secured 3rd place.



(New Horizon Volleyball team after winning “Devadan cup conducted by Christ Univeristy)

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