

Misirimal Navajee Munoth Jain Engineering College
Department of Mechanical Engineering

July 2017

- ❖ The Department Association and SAE Collegiate Club Inauguration were held on 24.July.2017. MR R.Subbarayan, Head of Quality Control & Inspection BARC and enlightened our students with his wonderful speech.



Student Achievement:

- Mr. S. Barath, Final year mechanical, Attended 15 days implant training in Hindustan Aeronautics Limited, Engine Division.
- Mr R. Balaji, Final year mechanical, Attended 7 days implant training in BHEL, Vellore.
- Mr I. Mohammed Suhail, Mr P.R. Keshav, Mr. Manish shree Kumar, Mr N. Arvind Kumar and Mr. E. Keerthivasan of final year mechanical attended 5 days implant training in Chennai Port Trust.

SEPTEMBER 2017

SAE TIER 1 EVENTS

- ❖ TheSAE Collegiate Club of MNMJEC has conducted the Tier-1 events on September 1st, 2017, a series of 17 events testing the skills of the students in the automotive domain of mechanical engineering like Paper Presentation, Aero Modeling, Technical Quiz, Prototype Challenge, etc.The annual report of our SAE collegiate club for the academic year 2016-17 as follows.
- ❖ **Tier I** events were conducted in our college during August 2016. Thirty-three events were conducted and winners were qualified for tier 2 events held in CIT, Chennai by SAE-ISS.
- ❖ Over 30 students participated in tier two events during October 2016 and 9 of them excelled in events like Auto quiz, Technical Paper presentation and CAD Modelling and qualified for Tier 3 events conducted at Kongu Engineering College, Erode.
- ❖ **S. Barath** was selected as a member in Student executive council of SAE India southern section and was a part of the organizing committee and event head of technical paper presentation and mechatronics in SAE convention 2017 conducted in Kongu Engineering College, Erode.
- ❖ Our college **E-Baja** team "**VidyuthVahan**" consisting of 25 members participated in SAE virtual Baja 2016 which secured not only third place in TN, but also 11th place all over India which consisted of over 70 teams.
- ❖ The same team participated in **SAE E-Baja** 2017 in Natrip, Indore during the month of Feb 2017.
- ❖ **Three Student Knowledge Improvement Programs (SKIP)** were conducted by SAE India southern section based on various topics like TIG and MIG welding, Fuel economy gains through dynamic fire in spark ignition. SKIPS mainly focus on making the students to visualize industrial challenges and gain technical knowledge through them.
- ❖ Two industrial visits were arranged by SAE India in Ashok Leyland, Ennore and TAFE Motor and tractors limited, Chennai.

- ❖ A 3-day trekking programme during was arranged by SAE India in Kodaikanal in which 3 students from 2nd year participated in it. There were lectures and presentations by various automobile industrialist during the 3-day programme.



SAE Tier 1 Events

Student Achievements:

- ❖ **Mr. B. Lokesh Kumar** represented INDIA in 2017 ASTC Proton SD camp organized by the Triathlon Association of Malaysia at the university of Pendidikan Sultan Idris, TanjunjMalim from 21st- 28th August 2017.
- ❖ **Naman R Sheth, Shreyans G Bafna, B Sudersanwon** 1st place in E-bike competition conducted by J.N.N Institue of Technology on August 31st, 2017.
- ❖ **Mr. R. Hari Hara Subramanium, Mr. Kamesh Arvind S** won 1st place in ROBOKARTcompetition conducted by Anna University on 15th-16th 2017.
- ❖ **Mr. Mukesh P Jain, Mr. Milin D Jain, Mr. Yash Kumar P Jain** won 1st prize in PaperPresentation at Anand Institute of Technology on February 2017.
- ❖ **Mr. B. Lokesh Kumar** won 2nd prize in Aquatics “Back Stroke 50m” held at Kongunadu CET during University Interzonal Aquatic meet held on September 1st, 2016.
- ❖ **Mr. B. Lokesh Kumar** won 3rd prize in 50m Back Stroke in TSN Swim Club on August 2016.
- ❖ **Mr. S. Barath, Mr. S. Jai Prasanth, Mr. P Darshan, Mr. Ashish Elias, Mr. C.V. Haarish, Mr. S. Karthick** participated in Virtual BAJA SAE INDIA held at Christ University, Kengeri Campus Bengaluru on 24th-25th June 2016.



SWIVEL 2017

“SWIVEL 17”, a national level technical symposium was held on 16th of September 2017. The symposium was inaugurated by **Mr. S. Joseph Winston** (IGCAR) Head, steam turbine, Kalpakkam. A total of seventeen events were conducted which include paper presentation, project presentation, aero modeling, tech hunt, Mech king,

water rocketry, RC cars, sumo robo, Machining, Tech quiz, gaming online photography, pentathlon, and truss master etc. The chief guest for function was **Mr. S. Joseph Winston**, Senior Officer, Head, Steam Generator Inspection Devices Section, Remote Handling, Irradiation Experiments & Robotics Division, Indhira Gandhi center for Atomic Research, Kalpakkam, Chennai. They distributed the prizes to the proud winners of the various events. Prize money worth Rs 40,000 was given to prize winners of technical and Non-technical events. Along with the prize money an overall trophy was designed by the college students and awarded to the overall winner of the competition.



Dignitaries for the day.

Special Lecture :

- ✓ Special lecture on the topic “Robotics and automation” conducted for final year mechanical students on 19th September 2017. Dr S.R Pandian, Dean IIITDM kanchipuram delivered a special lecture. He clarified the difference between robotics and automation he explained the Importance of robotics automation in India.

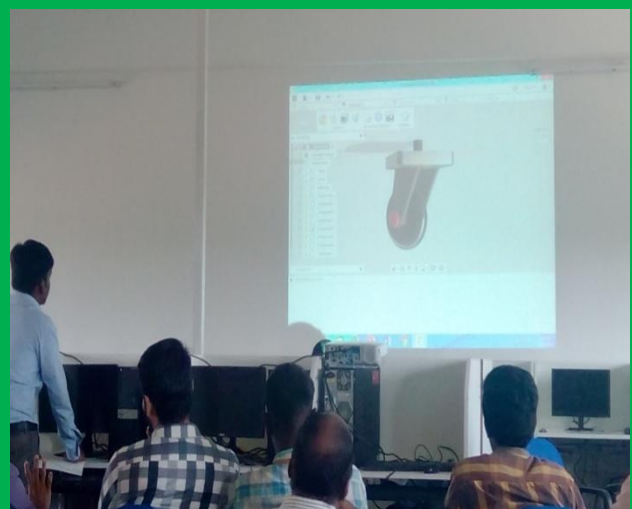
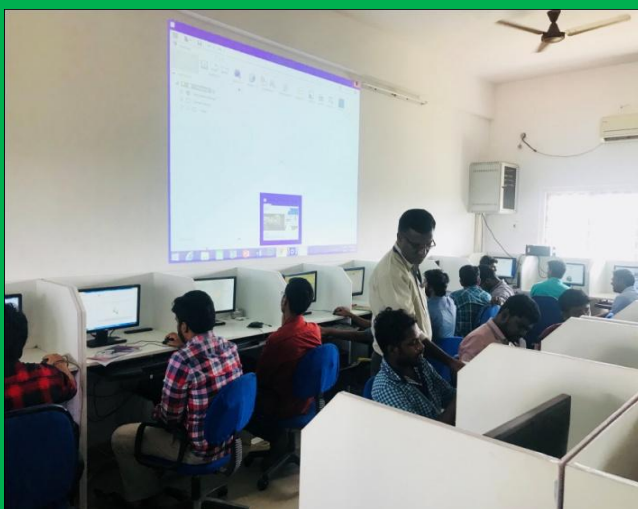


- ✓ Special guest lecture was conducted on the topic “mechanical vibration” for third mechanical students on 7th September 2017. Dr P.chandramouli IIT madras Chennai delivered special lecture.
- ✓ Special guest lecture was conducted on the topic “Fluid mechanics “for second year mechanical students on 23th September 2017. Dr S.Vengadesan prof/head applied mechanics department IIT madras delivered the special lecture.



November 2017

Department of Mechanical Engineering has conducted “India Design Week Autodesk Fusion 360 workshop” in collaboration with Autodesk on 22.11.2017 and 23.11.2017 for our Mechanical 3rd and 4th year students.



December 2017

Department of Mechanical Engineering has conducted “24 Hour Design Challenge” is a design marathon for students to work on live designs that can create a better living on 23.12.2017. Racing

against the clock, our designers will be exposed to a series of workshops, mocks, product design in Autodesk fusion 360, and showcase their design of products and solutions. The mechanical students had undergone a thrilling 24 hours design challenge. Mechanical students successfully completed 2 day training program in our college with the help of trainers from ICT Academy.



Mechanical Alumni meeting

Mechanical department Alumni meeting was held on 17/12/2017, for the academic year 2017-18 in the Metrology Lab with Alumni to give their support for various activities. Alumni's are ready to form a group for giving motivation speech periodically in the class room, they discuss to empowering the gap between the studies and employability. They Share their experience for attaining the job interview in the meeting.



Student Achievements

- Ashwin kumar, Final year mechanical attended 15 days implant training in Renault Nissan in E-SEP in business centre india..
- Mr Kesava sriram, Final year mechanical, Attended 7 days implant training in Ford chengalpattu,
- Mr Kesava sriram, Final year got best achievement and honour award from URF Kolkata for his outstanding talent of the year on world talent festival 2017.
- Mr Lokesh Final year mechanical successfully winning 60 kilometer of cycling in the event Year end challenge ride 2017 from decathlon.
- **Naman R Sheth, Shreyans G Bafna, B Sudersan Final year won 2st place in Business plan Tier 2 competition conducted by T.J.S Institute of Technology chennai on December 28st, 2017**
- **Mr Bharath and Jeffory D, Final year won 1st place in Ansys design Tier 2 competition conducted by T.J.S Institute of Technology chennai on December 28st, 2017**

Staff Achievement

- Mr. R.Srimugan assistant professor and Mr L.Vinoth selva Bruce attended an international level workshop in anna university, Chennai in the topic of Au-FRG CAD/CAM on *8th & 9th september.

January 2018

SAE BAJA 2018:

Vidyuth Vahan, the eBaja team participated in the 11th SAE BAJA competition conducted at NatRip, Indore, Madhya Pradesh. Total of 25 students, 20 are from Mechanical engineering department, 4 from EEE department and 1 from ECE department with two faculty advisor were part of the EBaja team Vidyuth Vahan. 7 members from the team participated in the virtual Baja competition held on 22nd and 23rd of July 2017 conducted by Chitkara University, Punjab and got qualified for the main event. The main event was held from 24th to 30th of January 2018. Team secured 23rd place out of 40 EBaja teams which participated all over India.



Photo of eBAJA buggy



Team members of Vidyuth vahan

National CFD Workshop 2018

A Workshop on “*Computational fluid dynamics (CFD)*” was conducted by mechanical department on 23th Jan.2018. The Resource person of the day was Dr E.Natrajan professor, Anna university Chennai and Mr.R.Senthilkumar R&D Head, Suren power Pvt Ltd ,Chennai. More than eighteen faculty and students from various colleges attended the workshop. The lecture created awareness in latest development of flow analysis in the field of Engineering.



Dignitaries on the stage

February 2018

- ✓ Special guest lecture was conducted on the topic “Design of Transmission system “for Third year mechanical students on 09th February 2018. Dr K. Janardhana reddy Dean/Professor School of mechanical Engineering, VIT, Chennai delivered the special lecture.



Special Lecture by Dr K. Janardhana reddy, Dean VIT, Chennai

- ✓ Special guest lecture was conducted on the topic “Thermal engineering “for Third year mechanical students on 17th February 2018. Dr S. Jayavel Assistant Professor mechanical Engineering, IIITDM kanchipuram delivered the special lecture.



SYNERGY CLUB

Synergy club of Mechanical Engineering department organized a Special lecture on “Reverse Engineering in Product Development” on 15th February 2018.. The resource person for the special lecture was Dr. P. Pandithevan, Assistant Professor from Indian Institute of Information Technology Design, and Manufacturing (IIITDM) - Kancheepuram. The club members (73 students) attended the lecture and acquired the knowledge about “Reverse Engineering in Product Development”.



March 2018

Department of Mechanical Engineering department organized a Special lecture on “**Advance data analytics with “R” programming**” on 12th march 2018 The resource person for the special lecture was Dr. A.Ramesh, Assistant professor, mechanical Department, IIT,Roorkee, Uttarakhand..15 Faculty members and 124 students attended the lecture and acquired the knowledge about “**Advance data analytics with “R” programming** “

The session mainly focused on

- ✓ Implementing advanced optimization techniques.
- ✓ Extracting information from the Research tool.
- ✓ Designing models using “R” modeling software using Research language.
- ✓ Recent trends in Advanced analytical methods used to identified the research work.



Student achievement.

1. **V.SASINANDANA & S.SATHISH OF 2ND YEAR MECHANICAL –WON 1ST PLACE IN PROJECT-X HELD AT IIT-MADRAS ON 10TH MARCH.**
2. **NAMAN R SHETH OF 4th YEAR MECHANICAL – WON 2ND PLACE IN BUSINESS PLAN HELD AT SAE TIER – 3, HYDERABAD ON 30TH MARCH.**
3. **S BARATH & GEOFFREY SAMUEL 4th YEAR MECHANICAL – WON 3RD PLACE IN ANALYSIS HELD AT SAE TIER – 3, HYDERABAD ON 30TH MARCH.**



STUDENTS WHO PARTICIPATED IN SAE TIER 3, WHERE FELICIATED BY THE PRINCIPAL.

- 4. MUKESH P JAIN AND HIS TEAM MEMBERS OF FINAL YEAR MECHANICAL HAS RECEIVED GRANT OF RS 10,000 FROM Tamil Nadu state council for science and technology in student scheme for best project award.**

April 2018

Mini -Project Expo 2018

Mini-Project expo 2018 was inaugurated by Dr.G.Venkatesan,Scientist-D,National Institute of Ocean Technology,(NIOT) Chennai on 13th April 2018.The chief guest interacted and motivated the students with his valuable input and ideas. He also selected two best projects on the basic of social application impact. Around 600, various departments' students visited the mini project expo'18.



