



SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)

S.R.M NAGAR KATTANKULATHUR - 603 203

DEPARTMENT OF MECHANICAL ENGINEERING

NEWS LETTER Jan_March 2020



1. A National Level Technical Symposium (MEQNZO 2020) on was conducted 20.02.2020. The primary objective is to bring the academicians and practitioners in mechanical and other associated fields on a common platform to share their knowledge and expertise so as to contribute towards research and development in the field. Technical events like Paper Presentation, Business Plan, Machinist, RC Racing, Robo War were conducted. About 30 papers on diverse topics encompassing Manufacturing, Design and Thermal Engineering topics and recent Trends in Mechanical Field and other technical topics were received for the conference from reputed institutes across the country. The chief guest, **Mr. Balaji Swaminathan**, Director of RamBoll PRIVATE LIMITED, Chennai highlighted the importance of organizing such symposium for the benefit of student community as well as Faculty. He pointed out that such symposium would ignite a spark in the minds of budding engineers and they would be triggered to explore more in the areas of their interest and also highlighted the importance of Renewable Energy Sources.



Souvenir release in "MEONZO 2020"



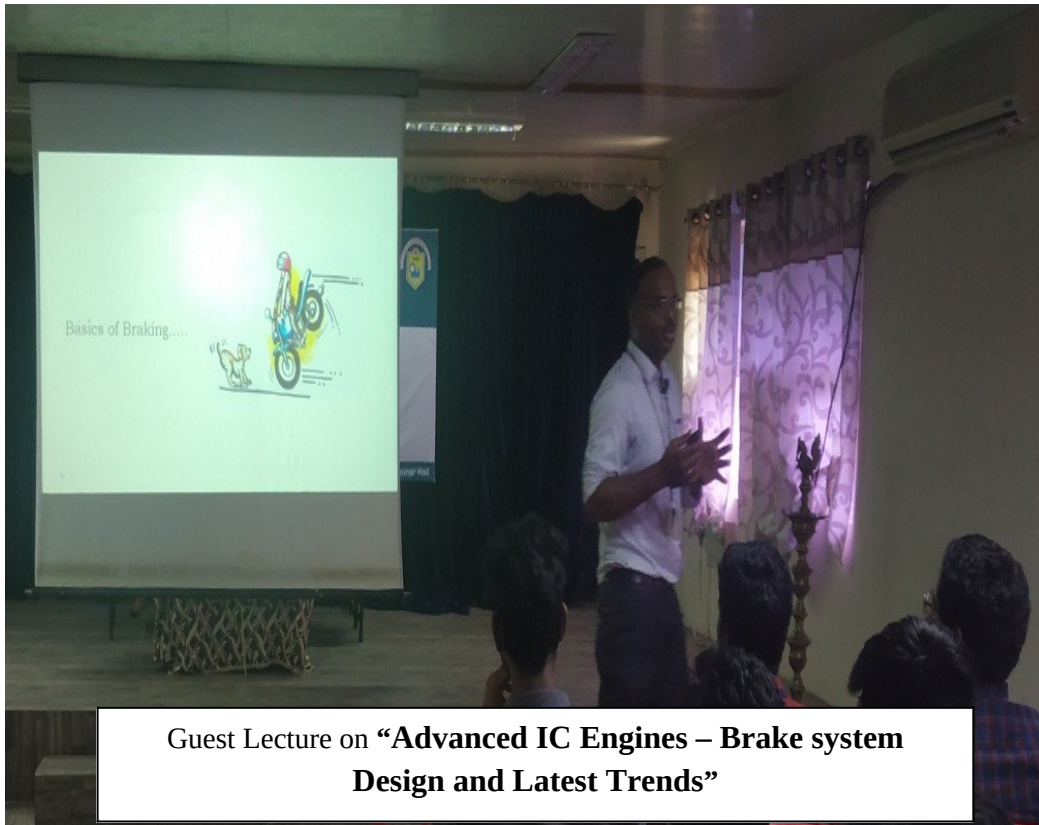
Presenting memento to the chief guest **Mr.Balaji Swaminathan , Director of RamBoll Pvt Ltd, Chennai**

2. A Guest Lecture on **“Finite Element Analysis”** for the third year students on 25.01.2020. The chief guest Mr.K.V.Dhayaanidhi, CAE Engineer, PHA India P Limited, Sriperumbudur delivered his lecture in the following topics: Introduction to FEA, 1-D element, 2-D element, Pre-Processor, Post processor and Meshing applications in Automobile components. The lecture was highly useful to the students through which they got brief ideas about the recent technologies in structural and design in components.



Guest Lecture on “Finite Element Analysis”

3. A Guest lecture on “Advanced IC Engines – Brake system Design and Latest Trends” conducted on 06.03.2020. The chief guest **Mr. Prasad Arun Kumar, Lead Engineer, Mahindra & Mahindra**, has started his presentation on Advanced IC Engines- Brake System Design and Latest Trends”, the presentation was revolving around the recent trends in the Industries like, IC engine Design, ABS, EBD, Drum and Disc Brake Comparison. The session was very much interactive as the speaker as well as the students regarding the discussion of modern trends.



Guest Lecture on **“Advanced IC Engines – Brake system Design and Latest Trends”**

4. A Three day SAE ADC-2020 Final event was held at Bannariamman Institute of Technology, Sathyamangalam from 28.02.2020 to 01.03.2020. Our team successfully completed the registration technical inspection and got approval for flying round. With a payload of 2.625 kg, our airplane model took off and landed successfully after completing three consecutive laps on air. We came first in technical presentation out of the 150 teams and our students learnt many things from this event.





5. A three days “**Entrepreneurship Awareness Camp**” was conducted from 12.03.2020 to 14.03.2020. The camp was registered by 75 students. The chief guest **Mr.M.Boopathy Managing Director, Adhiam Thermal System and Solutions Pvt ltd, Chennai**, who inaugurated the program on 12.3.20 forenoon session and gave an introduction about entrepreneurship and covered the following the topics: Entrepreneurship General Concepts, Historical background entrepreneurship & Present scenario. He also extended his presentation with video clips related to the topic. The afternoon session was handled by **Ms.Sujaya Rao, Co-Founder and COO, Future Edu, An educational service company, Chennai**, who covered topics on Identification of Business opportunities & Mechanism of product selection and Technology Assistance from R&D labs & other institutions on choice of technology. She added up points on the reality of entrepreneurship and the adventure in entrepreneurship. She also briefed the topic with some video clips. **Mr.Prabhudhas, CEO, V Equal IR T &C Service Mogappair, Chennai** was the chief guest on 13.3.2020 forenoon session. He gave a lecture about Communication for better results in Creativity and Business intelligence. In **afternoon session** the participants along with four faculty members went for industrial visit to Dev Systems (P) Ltd, 14 Kannan Koil Street, Pattaravakkam Chennai-98 There they were given exposure about advanced hydraulic System design and testing &

commissioning. The students were clearly explained about the various processes like fluid pump design and manufacturing. In the **third day forenoon session** was handled by **Dr.E.Bhaskaran, Deputy Director, Entrepreneurship Development & Innovation Institute**, who covered topics on How to start a SSI unit (General concepts about the Government formalities rules and regulations). He added up points on the Technical & commercial aspects of SSI units including project report. In the **third day afternoon session** was handled by **Mr.K.Balasubramanian, HOF, TTC, Chennai**. He gave a lecture about Solar power and its application in day to day life.





Mr.Prabhudhas, CEO,V Equal IR T & C Service



Industrial Visit at V Equal IR T&C Service



Industrial Visit at Dev Systems



Dr.E.Bhaskaran, Deputy Director, Entrepreneurship Development & Innovation Institute



Mr.K.Balasubramanian, HOF, TTTC, Chennai

Staff Participation:

1. **Mr.R.Srinivsan**, Asst Prof (Sr.G) and **Dr.S.Thirugnanam**, Professor published a paper in the title of “Mechanical properties of hybrid fiber reinforced epoxy composites” in I-manager’s Journal on Mechanical Engineering, Vol. 10 | No. 1 | November 2019 - January 2020.
2. **Dr.T.K.Sivakumar**, Associate Professor, **Mr.M.S.Mahavishnu**, **Mr.K.Karthik** and **Mr.K.Sampathkumar** submitted a paper has been accepted in the title of “Dual Fuel Mode Engine using Hydrogen with Aqua Silencer” in International Journal of Emerging Technology and Advanced Engineering” E-ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 10, Issue 2, February 2020.

Staff Incharge

HoD/Mech

