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VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade

NBA Accreditation for B.Tech. CE, EEE, ME, ECE, CSE, EIE, IT Programmes

Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF 135th Rank in Engineering Category

Recognized as "College with Potential for Excellence" by UGC

Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O), Hyderabad – 500 090, TS, India.

Telephone No: 040-2304 2758/59/60, Fax: 040-23042761

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DEPARTMENT OF MECHANICAL ENGINEERING

ASME (American Society of Mechanical Engineers) was founded in 1880 as a professional community where mechanical engineers could exchange ideas and share information. Today, ASME sets the global codes and standards across mechanical engineering and related disciplines with an unwavering commitment to public safety and engineering excellence.

ASME plays another equally vital and powerful role: it is the central information and learning hub for engineers worldwide. ASME's programs, forums, research, and rich digital ecosystem accelerate engineering innovation for the greater good.

ASME codes and standards, publications, conferences, continuing education, and professional development programs provide a foundation for advancing technical knowledge and a safer world. In 2020, ASME formed the International Society of Interdisciplinary Engineers (ISIE) LLC, a new for-profit subsidiary to house business ventures that will bring new and innovative products, services, and technologies to the engineering community, and later established the holding company, Global Knowledge Solutions LLC. In 2021, ASME launched a second for-profit subsidiary, Metrix Connect LLC, an industry events and content platform to accelerate digital transformation in the engineering community.



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VNR VJIET ASME STUDENT CHAPTER

ASME (American Society of Mechanical Engineers) helps the global engineering community develop solutions to real world challenges. Founded in 1880 as the American Society of Mechanical Engineers, ASME is a not-for-profit professional organization that enables collaboration, knowledge sharing and skill development across all engineering disciplines, while promoting the vital role of the engineer in society. ASME student chapter established in VNR VJIET April 2012 to develop into a Centre of Excellence in Education and Research in the field of Mechanical Engineering. The total numbers of students registered under ASME Student Chapter are 83 and two Faculty members are involved in this Student Chapter. The events conducted under this chapter are Human Powered Vehicle Challenge (HPVC), Aero Design Challenge, Electric Solar Vehicle Championship (ESVC), guest lectures and other technical events.

Faculty Members of ASME

Dr. V. Sivaramakrishna	Assistant Professor, ME
Sri. L. Sandeep Raj	Assistant Professor, ME

Vision of ASME

To become the premier resource for the engineering community globally.

Mission of ASME

Advance engineering for the benefit of humanity.



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Human Powered Vehicle Challenge (HPVC)

ASME's Human Powered Vehicle Challenge (HPVC) is an engineering design and innovation competition that gives students the opportunity to network and apply engineering principles through the design, fabrication, and racing of human powered vehicles. The first HPVC competition was in 1983 at the University of California. ASME E-Fest includes career and professional development content, digital competitions (including the Human Powered Vehicle Challenge, the Student Design Competition, the Innovative Additive Manufacturing 3D Competition, the Oral Competition, the Elevator Pitch Competition and the Environmental Systems Division Competition) and much more. A team of 20 students from Mechanical Engineering department from first to final years, have collaborated and participated in the Human Powered Vehicle Challenge conducted in Marwardi University, Gujarat, from 27th February to March 1st, 2020 as part of ASME-E Fests.



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Aero Design Challenge

Students from Mechanical and Automobile Engineering have participated for the first time in SAEISS Aero Design Challenge to promote and develop Indian expertise and experience in unmanned systems technologies which was conducted in Bannari Amman Institute of Technology, Sathyamangalam from 28 February-1 March 2020. The team consists of 6 students and they have solely designed and developed a fixed wing unmanned aerial vehicle.



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Electric Solar Vehicle Championship (ESVC)

Electric Solar Vehicle Championship (ESVC) is Asia's largest solar event which started by Imperial Society of Innovative Engineers (ISIE, An ISO 9001:2008 & Associate Member of FMSCI and SFI, National Youth Award Winner by Ministry of Youth Affairs, Recommended by Ministry of New and Renewable Energy, Govt of India) in year 2013. The basic objective is to raise awareness among future generation of engineers about renewable energy resources and push them for development in this sector, all of this while making it fun for them. Hence, they are required to build a Solar-Electric vehicle to compete among themselves. Team of 40 students from mechanical Engineering Students have collaborated and designed their own chassis, suspension and power train that included customized gear box and wheel assembly parts. The vehicle reached a maximum speed of 62 Kmph using 1.5KW motor. By travelling at 45kmph, the car endurance lasted for 55 minutes. The venue is scheduled at Chandigarh and is postponed due to COVID19.

ASME CHAPTER EVENTS PHOTS



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