



VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI
INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institute, NAAC Accredited with A++ Grade
NBA Accredited for CE, EEE, ME, ECE, CSE, EIE, IT B.Tech Courses
Approved by AICTE, New Delhi, Affiliated to JNTUH
Recognized as "College with Potential for Excellence" by UGC
EAMCET CODE: VJEC PGCETCODE: VJEC1



2019-20

ASME MAGAZINE

**Department of Mechanical
Engineering**



Vision of Institute



To be a World Class University providing value-based education, conducting interdisciplinary research in cutting edge technologies leading to sustainable socio-economic development of the nation.

Mission of Institute



To produce technically competent and socially responsible engineers, managers and entrepreneurs, who will be future ready.

To involve students and faculty in innovative research projects linked with industry, academic and research institutions in India and abroad.

To use modern pedagogy for improving the teaching-learning process.

Vision of Department

To develop into a Centre of Excellence in Education and Research in the field of Mechanical Engineering, consistent with the contemporary and future needs of the country

Mission of Department

- To impart high quality education in Mechanical Engineering by using modern pedagogical tools so as to make the students technically competent in their chosen fields and socially responsible.
- To inculcate quality research by developing linkages with Industry and R & D organizations in India & abroad

Vision of ASME

To become the premier resource for the engineering community globally.

Mission of ASME

Advance engineering for the benefit of humanity.

From Principal's Desk

This Magazine is a medium to enlighten the staff and students of Mechanical Engineering Department and it bridges the gap between achievements and publicity. Activities published in this magazine are sufficient to prove my claim that this department is progressing at an exponential rate. I hope that this culture of releasing a magazine will continue forever and become a quoted example for all other colleges to follow.

– Dr. C. D. Naidu
Principal



From HOD's Desk

I am very happy that our Mechanical Engineering Department is releasing the issue of "ASME MAGAZINE" of academic year 2019-2020 as forerunner of the activities conducted by the student section. This magazine is attempt to highlight the events, activities of the student section. I wish good luck to the entire team of editors for their effort in bringing out this magazine. Also I invite the readers of "ASME MAGAZINE" for their contributions and suggestions for the forthcoming issues.

- Dr. Gembali Srinivasa Gupta
Professor & HOD



Faculty Co-ordinator

Dr. VALIVETI SIVA RAMA KRISHNA,
Assistant Professor



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 Marwadi University, Gujarat, from 27th February to March 1st, 2020 as part of ASME-E Fests.

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.

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 customised 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.

Faculty List

Dr. B. Chennakesava Rao, Professor
Dr. B. Satyanarayana, Professor
Dr. G. Srinivasa Gupta, Professor & HOD
Dr. P. S. Prasad, Professor
Dr. S. V. S. S Srinivasa Raju, Professor
Dr. M. V.R.D. Prasad, Professor
Dr. G. Raghu Babu, Professor
Dr. K. BalaShowry, Professor
Dr. E. Venkata Ramana, Professor
Dr. S. Shyam Sunder Rao, Professor
Dr. Yeole Shivraj Narayan, Professor
Dr. B. V. R. Ravi Kumar, Professor
S. R. Somayajulu, Associate Professor
Dr. K. Ajay Kumar, Associate Professor
Dr. N. Kiran Kumar, Associate Professor
Dr. K. Jaya Prakash, Assistant Professor
Dr. Jayashri N. Nair, Assistant Professor
Dr. K. Aruna Prabha, Assistant Professor
Dr. M. S. Srinivasa Rao, Assistant Professor

D. Sarath Chandra, Assistant Professor
V. V. Durga Sahithi, Assistant Professor
N. Srilatha, Assistant Professor
K. Krishna Murthy, Assistant Professor
P. Prasad Kumar, Assistant Professor
S. Bhanu Murthy, Assistant Professor
L. Sandeep Raj, Assistant Professor
H. Naresh, Assistant Professor
P. Narendra, Assistant Professor
S. N. Sri Sai Hari, Assistant Professor
Ch. Priyadarsini, Assistant Professor
S. Swetha, Assistant Professor
Dr. V. Siva Rama Krishna, Assistant Professor
T. Malyadri, Assistant Professor
Ch. Naveen Reddy, Assistant Professor
Ch. Rajeswari, Assistant Professor
A. N. Brahmeswar Rao, Assistant Professor
K. Nagendra Babu, Assistant Professor
Gourav Tiwari, Assistant Professor



Student Coordinators

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Sharanya, Vice Chair

Suprith Sri Vikath

MSH. Shashank

Sathvika Manchala, Design and Social Media

Gujjari Brundalaya

Naidhruv Metpalli

Sharanya Poshetti

Prudvi Raj

Gnanasree Poludasu

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Hasini Nallakuntla

Shreya Muppidi

Chakravarthi Areti, Finance and logistics

Abhineshwar Reddy

Annapureddy Sai Kirtana

Dundy Naga Pavan Teja Gorijala

Tamma N. V Sreerama Chandra Murty, Events

Murali Krishna Cheekoti, Logistics and Finance

Amith Chowdary

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HARSHITH Pendem

Meghana Reddy

Arun Pawar

Sesha Sai Ram Pulyapudi, treasury

Tarun Kumar Dongari documentation

Nithesh Reddy Chamala

Sathvika Sriramaneni

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Nikhil Swamy Gundalwar, Treasury and logistics

Shirisha Islavath, Events

Renuka Boliseti, Events

Yahvanth Narmala

Harish Nampelly, documentation

Siddardth Pathipaka, documentation

Aditya Pramod Kotha, Events

Mounika Mallepally

Venkata Sai suraj Peela, Events

SriKanth Bavu

PVLV DURGA RAO Nimmila

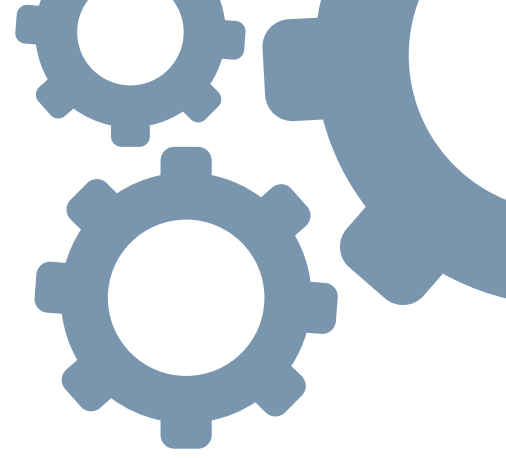
vivekananda swamy Mattam, Finance & Logistics

RAMPRASAD RAMAVATH

NAVEEN YADAV

Bhukya Naveen kumar, Events





Thank you

