



MVSR Engineering College

Affiliated to Osmania University Estd 1981
Nadergul(P.O),Hyderabad-501510.

MESA

Mechanical Engineering Students Association



ABOUT MESA

MESA is a student- led organization headed by the students of the Department of Mechanical Engineering of MVSREC with the guidance of faculty.The organization conducts various events to inculcate personality traits among the students to get set for the challenges in the society.It enables the students to experience future work space environment.

“Your talent determines what you can do. Your motivation determines how much you are willing to do. Your attitude determines how well you do it.”- Lou Holtz.

Five Wings:

MESA divides its functions into five wings. The five wings of MESA coordinating with each other accomplish the tasks of the organization. The five wings are

- ❖ Personality Development wing
- ❖ Sports wing
- ❖ Art and cultural wing
- ❖ Social Networking and publicity wing
- ❖ Event Organization wing.

Structure of MESA

Principal: Dr. P A Sastry
Head of Department: Dr. M Madhavi
Faculty Coordinators: S Ramanathan, Asst.Prof.
G Rajesh Babu, Asst.Prof.
K Gouthami, Asst.Prof.

Student Coordinators

C.Sri ram
T. Shyam Pruthvi
G.Shreyas
Varun Varma
Rahul.K
Priyanka.D
N.Abhijith
R.Sujith

MESA INAUGURATION

The Inauguration of MESA was held on 26th July 2014, with lightening of Lamp by the Principal, Dr.P.A.Sastry and the Head of the Department, Dr M. Madhavi. The pleasant day was graced with a prayer song by Sri Harsha of IIIA. It was a great pleasure to have Mr. G. Srinivas Sharma addressing the gathering. In his speech, he brought the importance of soft skills to limelight. He advised students about the ways to crack an interview with flying colors. He also motivated the students to get involved in extra-curricular activities. His views were well received by the students and students gave him a standing ovation.



Personality Development Wing- Memory Mapping Event

Coordinator: C Sriram Mech IVA, D Priyanka Mech IIIA

The wing aims to enhance the soft skills of the students. Group discussion and Memory mapping were conducted under personality development events. The topics related to social awareness and sports were given for group discussion. In Memory Mapping, the participating teams of two students each were expected to enlist the names of the parts they have shown for a span of one minute.



Sports & Games Wing

Sports wing did a great job in attracting major participants. The Lecturers also showed active participation apart from the students. Indoor and outdoor games like Badminton, Caroms, Cricket, Throw ball, and chess were conducted. The competitions were held for a couple of days.

Coordinator: T.Shyam Pruthvi Mech IVA



Social Networking & Publicity Wing

The publishing team has its great endeavor in keeping the form of MESA by updating its work on social media. The wing is responsible for holding the students as a unit. It publicizes MESA on networking sites like Gmail, Facebook. The page on Facebook "MVSR MESA" keeps track of all the events of MESA.

Coordinator: G Shreyas - Mech IVA, N Abijith - Mech IVA



Art & Cultural Wing

Coordinator: Varun Varma Mech III B



The First MESA event was from the Art and cultural wing. Painting on technical aspects and social issues were the topics given for the participants. The painting competition showcased the talent of MVSRians and turned up a huge number of participants. Sushmitha chevuri of Mech IIIB was awarded with the first prize for her painting on female infanticide and stating the importance of a girl child.

Event Organization Team

Coordinator: Rahul K - Mech IV A

The Organizing team comes into play whenever there has to be an event. The team takes its complete efforts and work relentlessly to make the events successful.

Teachers' Day Celebrations

The Teacher's day celebrations were organized in the Mech Conference hall. The event was hosted by Priyanka Danda of Mech III A .The day had begun with a melodious prayer song sung by Sri Harsha. A classical dance performed by Srihitha, Bhavani and Srinija of Mech II A, received a great applaud. Solomon and Varshith raised the mood of the crowd with the strings of their guitar. Later, a group song was performed by the II and III year students. Sports and fun events were conducted for the lecturers the day before and mementos were presented on teacher's day as a token of memory. With Honor, Student committee felicitated Dr. P A Sastry on this great occasion. A grand ending was given by Arvind and group with an interesting dance performance.



Auto Cognizance Promotional Event

To mark the beginning of the Mechanical event Auto Cognizance a painting competition was conducted on the great auspicious day 26th January. The people participated in the event with great enthusiasm. There were amazing paintings which mesmerized everyone. The paintings delineated the various social issues prevailing in the society and made an urge to demolish them.



Auto Cognizance

Auto Cog-15, a refuge for venturing auto freaks, into a world of horse power with increasing heat level. A place where ingenuity has no brakes, limitless fuel for fun and get supercharged with the turbo boost.

Auto cognizance is a technical fest organized by the Mechanical department for the auto freaks. It had wide collection of events which geared up the enthusiasm among the students. A few major events of Auto Cognizance 2K15 are enlisted below.



Auto Expo



It focused on the auto show of the most advanced products and automobile Technologies. The new edition presented an executive display of automobiles.

Under The Hood

In this event, a number of cross sectioned Parts were displayed including a full length model of s truck chassis. All the mechanisms involved in the component of an automobile are explained practically. Under the Hood turned up as the most visited event in the Auto cognizance.



Trouble Shooting



This event focuses on bringing basic awareness about cars and their working. Location of all components in a car would be shown, and knowledge which can help any individual to perform basic troubleshooting techniques would be imparted. These will be taught by the students under the guidance of eminent professors and qualified technicians.

Model Presentations

The event stood as a platform for students to learn the concepts and understand the endeavors behind the fabrication of a vehicle. Various vehicles are fabricated by students of several colleges are displayed. The vehicles are judged based on technical integrity and reliability according to which they are ranked.



Bekhauff Azad India



Bekhauff Azad India – A debate Competition on Women Freedom & Women Empowerment. K Swathi Goud, ‘SHE’ Team Incharge and also Alumni of Mechanical Department was the Chief Guest and judge for the competition.

Prize Distribution

In valedictory Function, winners of the two day fest, organizers and sponsors received Prizes and mementoes from the hands of Mr. B Bhasker Goud, ACP Vanasthalipuram Range.



Student Achievements

EFFICYCLE-2014

“EFFI-CYCLE” derived from Efficient-Cycle promotes the objective of providing opportunity to the students to conceive, design and fabricate a three wheel configuration vehicle powered by human-electric hybrid power and capable of seating two passengers catering to the day to day mobility needs. The objective is to promote innovation and generate consciousness amongst young engineers towards environment friendly mobility solution. The vehicle should be capable to be driven simultaneously as well as alternatively by two drivers and also by electric drive. The project is estimated to cost 60,000/-INR. College Sponsored Amount: 50,000/-INR. Event Organized by University Of Engineering Chandigarh &SAE India Northern Section. Name of the Event: SAE NIS EFFICYCLE. Date of Participation: 10th October 2014. Ranking Statistics: Position in Dynamic Round: 45 out of 86 teams.



Faculty Advisors: Mr. M. Ravi Kumar (Assistant Prof. MED), Mr. M. Pandarinath (Assistant Prof. MED)

Team Members: B.E III, IV Mech & Auto Students-Nikhil.K, Sirjan Singh, Karthik Sharma, Nagraj, Sawan Upadhyay, Solomon Raj, Rajesh.Ch, Dheeraj, Madhuri.D, Swathi, Sandeep Reddy.

GOKART 2014

The team conceives a vision, designs and fabricates a Go-kart propelled by a 125cc petrol engine according to the rules set by the event organizing committee. The Go-kart boasts a distinct and an aesthetically pleasing aerodynamic chassis frame backed up with an efficient braking and steering system. The kart can touch maximum speed of 90kmph with such an ease. Features of The Kart: The kart has an adjustable steering mechanism in conjunction with self-straightening effect of the steering wheel. Another innovative approach was to incorporate clutch lever to the transmission gear rod which enables the driver to control clutching and transmission at the same time. Dual kill switches have been added, one is used by driver and other gets activated in case of brake failure. Cost of Vehicle: The project is estimated to cost 1.2 Lakhs. The Event Venue – Kari Motor Race Track, Coimbatore, Tamilnadu. The event organizing body-ISIE (Indian Society of Innovative Engineers). Ranking Statistics: Team Trail blazers is ranked 14th all over India and stands first all over Telangana-Andhra region.



Faculty Advisors- Dr. G. Venkata Subbaiah (Associate Prof. MED), Mr. A. Gnan Reddy (Assistant Prof. MED)

Team: B.E (III) Mech & Auto Students -Amal Ganesh, P Vinay Raj, Kishore Manda, Pooja Yammanur, Chandrababu Janega, Sudhachandra Masna, Vinay Raj, G Vamshi Bhargav, Karanja Akhil, K Joseph Daniel, Joshi Vishwadeep, Akash

Ramesh Chukabotlawar, Praneeth Tagaram, RohitRaman Srivastav, Zubair Mohammed, G Vinod Kumar, T Nagendra Babu, M Harish Kumar, J Lokesh, Vijaya Ram Prasad, Srikanth Reddy, Rajasekhar Reddy B, P Rajinikanth, Nithin G Thomas.

SAE SUPRA-2015

Team Name: Ampere Motorsport, Technical Details: Ampere Motorsport India, a group of 15 students from Automobile Engineering department, have participated in Supra SAE India 2015, the most challenging student competition in India organized by SAEINDIA, a subsidiary of SAE (Society of Automobile Engineers, U.S.A). We have made an attempt to redefine the standards of the competition by incorporating an AWD system, the first of the competition, to reflect our views about vehicle dynamics in direction of Perfection through Balance. The vehicle, according to design, has the capability to reach 116Km/h. Cost of Vehicle: The project is estimated to cost 10.29 lakh. Supra SAE India is organized by SAEINDIA, a subsidiary of SAE (Society of Automobile Engineers, U.S.A). The Virtual Round of the event took place during the second week of January 2015. Ranking Statistics: Ampere Motorsport India has achieved an overall virtual rank of 26 out of 170 participating teams and is ranked No.1 in the Telangana-Andhra region.

Faculty Advisors: Dr. G. Venkata Subbaiah (Associate Prof. MED), Mr. M. Pandarinath (Assistant Prof. MED)

Team: B.E (II & III) Auto Students - Abhinav Reddy, M. Abhishek, Dewwa Kakkar, Krishnapriya Vishnubhotla, Manidhar Chary, P Phaneendra, C Raviteja Reddy, Sai Chander, Sreeram Peddi, Sai Srihitha, Srikrishna Reddy, Sudeepth Varma, Sukhdeep Singh Toor, Vamshi Krishna Dasari, Varshith Reddy



ECOKART 2015

Team Name: Sentinel, Eco Kart (2015) is an initiative of Viridescent strongly supported by SAE Collegiate Club. The Competition is to Design and Fabricate a single passenger kart which is operated by a Motor AC or DC, where Source of running the motor is a battery. The Main Aim of the competition is to reduce the usage of organic fuel powered Vehicle and to design a vehicle which works efficiently in the growing fuel Area i.e. Electric powered Vehicle.

Cost of Vehicle: The Total cost of the vehicle is about 61,000/- INR College Sponsored Amount: 50,000/- INR

SAE Collegiate Club, Gautam Buddha University, Noida, Date of Participation: 11th & 12th February 2015, Ranking



Statistics: Rank in Virtual: 17 out of 84 teams Position in Dynamic: 15 out of 39 teams

Faculty Advisors: Mr. G. Srinivas Sharma (Associate Prof. MED), Mr. K. Karthik Rajashekar (Assistant Prof. MED)

Mr. L. Sunil Kumar (Assistant Prof. MED).

Team: B.E (3/4) Mech & EEE Students - Pradeep Kumar, Sathya Prakash, Saleem Pinjari, Sravan Kumar, Sri Sai Likith, Avinash Varma, Sushane, Surya Prakash, Deepak Pragyna, Sai Yyasaswy, Sandeep Reddy, Krishna Reddy, Siraj Ahmed, Sathvik Aldas, Naynesh.

SOLARKART 2015



Team Name: Suryachakra, Event Details: ISIE-Electric solar vehicle championship is Asia's largest solar championship, it aims to build student's interest in Renewable source of energy. It focuses to develop interest among the engineering student towards alternative power sources, which are the future of Automobiles. Cost of Vehicle: The Total cost of the vehicle is about INR 89,623/-, Event Organized By: Imperial Society of Innovative Engineers (ISIE), Name of the Event: Electric Solar Vehicle Championship (ESVC), Date of Participation: 16-03-2015 to 19-03-2015, Ranking Statistics: Rank in Virtual: 24th, Rank in Dynamic: All India rank - 5th, South India rank - 1st

Faculty Advisors: Mr. G. Srinivas Sharma (Associate Prof. MED), Dr.D.Venu Madhava Chary (HOD EEE Dept)

Team: B.E (3/4) MECH & EEE StudentS- T.Karthik Sharma, R.Sujith Kumar Reddy, J.Saritha, A.Nikitha, E.Hemani, V.Vaishnavi, K.Keerthana, Lohith, T.Yeshwanth, V.B.Mounika, K.Akhil Kumar, T.Sai Ram, R.Prashanth, M.Dheeraj, A.G.Rupa Sagari, T.Bharadwaj, M.V.Sailesh, K.Hari Babu

Paper Published in Journal by Student

“Simulation of Roll cage of an All- Terrain Vehicle considering inertia, using Transient Multi- body analysis” by A.V.S Abhinav, Mechanical ,2451-11-736-025,published on 22-9-2014.

International Organization of Scientific Research – IOSR

Journal of Mechanical and Civil Engineering.

Paper link: [http://www.iosrjournals.org/iosr-jmce/pages/11\(5\)Version-3.html](http://www.iosrjournals.org/iosr-jmce/pages/11(5)Version-3.html)

National Skating Champion

SRIGHANA Mech II A, Won Gold medal in Rolling Skating National Meet -2015.



OU Ranks – Automobile Engineering

Name of the student	Roll No	OU Rank
S.N MAHATHI	2451-10-769-014	I
M KRISHNA	2451-10-769-003	II
C KEERTHI RAJ	2451-10-769-018	III

Class Toppers

Year	Name of the student	Roll No	Marks
B.E I	G. Krishna Reddy	2451-13-769-029	1041
B.E II	K. Ajay Kumar Reddy	2451-12-769-002	1295
B.E III	A. Preethi	2451-11-769-020	1250
B.E IV	S.N Mahathi	2451-10-769-014	4392

Organizers of MESA

Automobile & Mechanical III Years

- Om Prakash
- M Anusha
- J Krishna Reddy
- Mounish K
- Saritha J
- Sri Harsha
- Nelima Priyanka
- T kartik Sharma
- E Hamani
- A Nikitha
- L Surya Chandra
- M Veda Sree
- Sneha
- T Mithin
- Sai Ysaswy
- Yujwala
- P Saleem
- A Sruthi
- P Avinash
- K Srinivas
- Ch Sushmitha
- Mini M
- L Shradda
- K.Lohith
- V. Shravani
- S. Varshith
- N Sai Krishna

OU Ranks –Mechanical Engineering

Name of the student	Roll No	OU Rank
E Anusha	2451-10-736-036	IV

Class Toppers

Year	Name of the student	Roll No	Marks
B.E I	A NagaSravya Lakshmi	2451-13-736-076	1131
B.E II	G Samhitha	2451-12-736-085	1349
B.E III	M. Malla Reddy	2451-11-736-074	1276
B.E IV	E Anusha	2451-10-736-036	4814

Organizers of MESA

Automobile & Mechanical II Years

- P Mahesh
- J Shravya
- V. Akhil
- M. Bindu
- K Naveen Reddy
- T.nikhith
- S Phaneendra
- G Srighana
- K.Sai kiran
- V Vaishnavi
- D Rakesh reddy
- M Arjun Goud
- G Vivek
- V Preetham reddy
- Revathiraj chilumula
- K.Sreenija
- Shashank
- B Tejaswani
- Poojitha Kothwali
- Lalit Mohan
- M Charan Reddy
- K.Keerthana
- G.Mahathi
- M Sravya
- Azaruddin D
- Bhavana
- Srinath

