

M.V.S.R ENGINEERING COLLEGE

(Sponsored by Matrusri Educational Society, Estd.1980)

Affiliated to Osmania University
Nadergul(P.O),Hyderabad - 501 510

Website : www.mvsrec.edu.in



ANNUAL REPORT

DEPARTMENT OF
MECHANICAL ENGINEERING

(Accredited by NBA)

Academic Year : 2017 – 2018



M.V.S.R Engineering College

Department Of Mechanical Engineering

Annual Report (Academic Year 2017-2018)

Head of the Department: *Dr.J.Kandasamy*

Principal: *Dr.G.Kanaka Durga*

About the Department

The Department of Mechanical Engineering is started in 1981, the year of establishment of college. Currently the department offers one UG programme B.E (Mechanical Engineering) with an intake of 120 and one PG programme M.E (CAD/CAM) with 18 intake.

Vision:

To impart education of highest standards that will prepare students for productive careers as competent professionals in Mechanical Engineering, and for higher studies and research.

Mission:

The department strives to provide the engineering foundation as well as professional, innovative and leadership skills to the students through the following activities:

M1. Lay sound foundation in the areas of mechanics, design, thermal sciences and production processes, as well as allied engineering areas.

M2. Enrich the undergraduate experience through experimental learning, and fostering a personalized and supportive environment that makes learning joyful and stimulating

M3. Encourage design and development of mechanical engineering components and systems to meet specific needs.

M4. Provide opportunities to develop good communication skills, and to encourage creativity and entrepreneurial skills

M5. Create awareness, inprofessional responsibility, ethics, global impact of engineering solutions, and of the need for life-long learning.

M6. Provide research and intellectual resources to address contemporary and complex problems of industry and to advance research and applications.

Program Educational Objectives of B.E. (Mechanical Engineering)

Mechanical Engineering is a broad discipline that incorporates skills and expertise in the areas which are essential to most sectors of industry.

Bachelors programme in Mechanical Engineering in the college is aimed at preparing graduates who will

PEO1: Establish themselves as successful professionals while working independently or in multidisciplinary teams demonstrating professional, ethical and societal responsibilities

PEO2: Have high levels of technical competency and problem solving skills to generate innovative solutions to engineering problems.

PEO3: Continuously enhance their skills through training, independent inquiry, professional practices and / or pursuit of higher education or research.

PEO4: Advance in their careers through increased technical and managerial responsibility as well as attainment of leadership positions.

Program Educational Objectives of M.E. (CAD/CAM)

The postgraduate M.E.(CAD/CAM) program offered by the department in Computer Aided Design and Computer Aided Manufacturing, is aimed at preparing postgraduates who will

PEO1: Establish themselves as successful professionals while working independently or in multidisciplinary teams demonstrating professional, ethical and societal responsibilities

PEO2: Have high levels of technical competency in computer-aided design and manufacturing to generate innovative solutions to complex engineering problems

PEO3: Conduct research and development in mechanical and allied disciplines to meet challenges in the advancement of technology.

PEO4: Advance in their careers through attainment of leadership positions, while continuously enhancing their skills through professional practices, pursuing doctoral programs and research.

Program Outcomes

PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design / Development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PSO's

Research Potential: Usage of advanced software packages commonly used in industry for modeling, assembly and to carry out multiphysics analysis.

Competent areas: Design and build components and systems related to mechanical and allied disciplines, using various manufacturing methods.

Faculty Strength:

Professors – 04

Associate Professors – 06

Assistant Professors - 20

Supporting Staff- 25

Student Strength:

BE II Mech 1 - 68

BE III Mech 2 - 71

BE III Mech 1 - 75

BE III Mech 2 - 69

BE IV Mech 1 - 67

BE IV Mech 2 – 66

Departmental Activities:

1. MATLAB for Mechanical Engineers

Department of Mechanical Engineering organised a 5 Day training programme on **“MATLAB for Mechanical Engineers”** from 03 - 07 July 2017.

Coordinators: Mr.K.Karthik Rajashekar, Asst.Prof.
Ms.Nukaraju Haritha, Asst.Prof.



2. A Two day orientation Programme on Machine Drawing with AutoCAD

Department of Mechanical Engineering organized a two-day orientation programme on **“Machine Drawing with AutoCAD”** during 21-22 July 2017 for faculty members of various engineering colleges of Telangana and Andhra Pradesh.

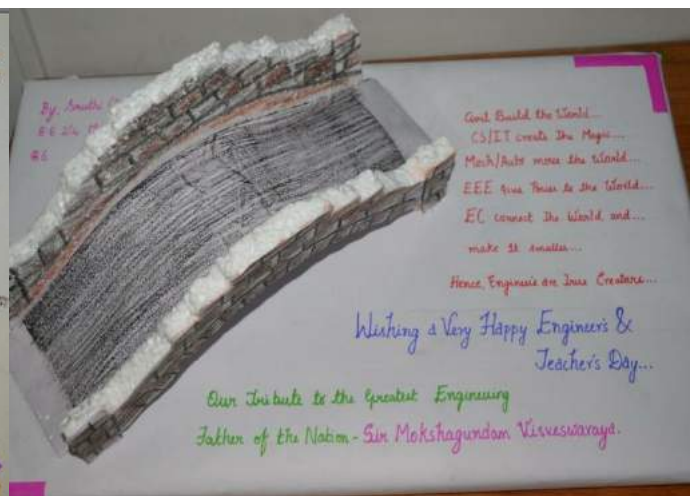
Coordinators: Mr.B.Kshetra Mohan, Assoc.Prof.
Mr.Suri Srinivas, Asst.Prof.





3. Teachers and Engineering day celebrations

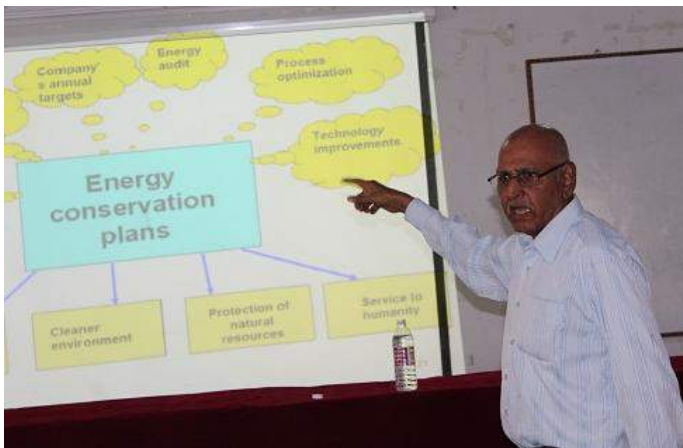
The Department of Mechanical engineering organized Teachers day and Engineers day celebration under MESA on 16th Sep 2017.



4. AKSHAY URJA 2017

The Department of Mechanical Engineering along with Electrical and Electronics engineering department conducted "Akshay Urja 2017" on 21st October 2017

Department Coordinators: Mr.G.Srinivas Sharma, Assoc.Prof.
Mr.M.Ravi Kumar, Asst.Prof.
Mr.N.Yogi Manash Reddy, Asst.Prof.





AKSHAY URJA CYCLE RALLY:



5. Alumni Reunion 2017

MVSR engineering college organized Annual Alumni meet-2017 on 16th December 2017. During the morning session, the respective departments have organized Alumni meet and in the afternoon a central Alumni meet was organized. Distinguished Alumni shared their thoughts and extended their support towards their Alma matter. 70 Alumni of MED have attended.



6. Recent Trends in Mechanical & Industrial Engineering (RTMIE-2017)

A Five day Faculty Development Programme on "**Recent Trends in Mechanical & Industrial Engineering**" (RTMIE-2017) conducted by the department during 11-15 December 2017

Coordinators: Mr.K.V.R.K Subrahmanyam, Assoc Prof.
Mr.S.V.Narshimha Rao, Assoc Prof.



7. Guest Lecture on Tools and Techniques for Nanometrology

Dr K. P Purushottam, Scientist, NIST, USA, delivered a Lecture on **“Tools and Techniques for Nanometrology”** on 29.12.2017 to the faculty of MED.

Coordinator: Mr. A.Syam Prasad, Asst.Prof.



8. Workshop conducted by Department of Mechanical Engineering in coalition with National Productivity Council, Under DIPP Ministry of Commerce and Industry

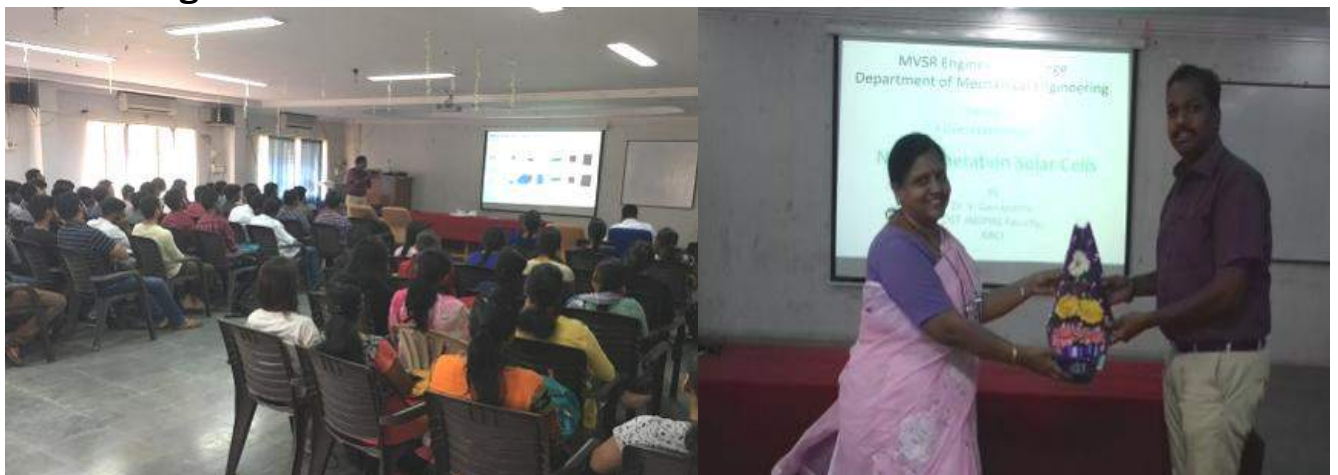
A Half day workshop on **“Industry 4.0, Leapfrog opportunity for India”** in coalition with National Productivity Council is conducted by the department on 17.02.2018 for third and final year students

Coordinator: Mr. V.Nikil Murty, Asst.Prof.



9. Guest Lecture on Next Generation Solar Cells

Dr.V.Ganapathy, Scientist, ARCI delivered a guest lecture on **“Next generation Solar cells”** on 14.03.2018



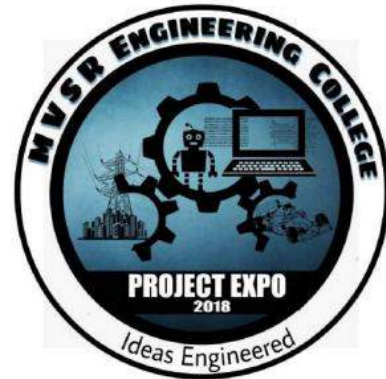
10. Project Expo – 2018

Research and Development cell in association with IEEE Student chapter organised “**Project Expo**” on March 24th 2018

Coordinators: Dr.M.Madhavi, Professor.

Mr.N.Yogi Manash Reddy, Asst.Prof.

Mr.G.Rajesh Babu, Asst.Prof.



11. A One day workshop on Refrigeration and Air-conditioning

The Department of Mechanical Engineering organised one day workshop for the 3rd year and final year students on “**Maintenance and troubleshooting of Refrigeration and Air Conditioning System**” in association with National Engineering, Vishakhapatnam on 7th April 2018.

Mr. Ibrahim Khaleel, Consultant, from National Engineering has delivered a good lecture on refrigeration and air conditioning equipment’s and has shown the live demonstration and working principle of these with cut section models. Students got a good exposure to the HVAC tools and its applications. An interactive session was also arranged with the faculty members to enhance their knowledge in the field of Refrigeration and Air Conditioning.

Coordinator: Mr.M.Ravi Kumar, Asst.Prof.



2. Departmental Associations:

The Department is associated with SAE, ISTE, FIAAP, and Renewable Energy Club.

3. Guest Lectures Organised by Department:

Academic Year	Target Audience	Date of Lecture	Details of the Resource Person with Designation	Place of Work	Topic of the Lecture
2017-18	3/4 & 4/4 Mech-I &II	18-09-2017	Sri Ashok ponram , Scientist - E	DRDL, Hyderabad	Advances in Metrology and instrumentation
	3/4 & 4/4 Mech-I &II	29-12-2017	K.P.Purshottam "Scientist/Researcher"	National Institute of Standards and Technology, Gaithersburg, MD, USA	Tools and Techniques in Nanometrology
2017-18	3/4 Mech-I &II	14-03-2018	Dr.V.Ganapthy DST-INSPIRE Faculty	Centre for Solar Energy Materials, International Advanced Research Centre for Powder Metallurgy and New Materials, ARCI, Hyderabad	Solar Energy Materials

4. Academic and other important activities & events in the department

S.No.	Event Name	Date
1	A 5-day training programme on "MATLAB for Mechanical Engineers"	3-7 July, 2017
2	Team Ratchet presentation at Chitkara University, Chandigarh. No. of participants - 11 students.	15 th July, 2017
3	A two day Orientation programme on "Machine Drawing with Autocad"	21-22 July, 2017
4	Team Ampheresport participated in racing car event "Supra" at Buddha Circuit, Noida. The cost of the fabricated vehicle is Rs.4,00,000/-. No.of participants - 24 students.	25 th July, 2017
5	Akshay Urja fest (Akshayaganesh) - 2017.	24 th Aug, 2017
6	Training programme for faculty and staff on latest version of "SOLIDWORKS" software.	28-29 Aug, 2017
7	Engineers Day & Teachers Day	15 th Sep, 2017
8	Guest lecture on "Metrology and Instrumentation" by Ashok Ponram, Scientist E, DRDL, Hyderabad.	18 th Sep, 2017
9	Faculty Development Programme on "Recent Trends in Mechanical and Industrial Engineering (RTMIE-2017)"	11-15 Dec, 2017
10	Alumni Reunion Celebrations -2017	16-12-2017
11	Guest lecture on "Tools and Techniques in Nano Metrology" by Dr. K.P. Purushottam, Scientist NIST, USA	29-12-2017
12	"Team Initia 2.0" with 25 Students designed fabricated and participated in Gokart-2018 event organized at Visakhapatnam, Andhra Pradesh. Rs.20,000/- sponsored by MVSREC.	26-02-2018 to 01-03-2018.
13	One day workshop on "Maintenance and Troubleshooting of Refrigeration and Air Conditioning System"	07-04-2018

5. Workshops/Conferences /Paper publications by the Faculty

S.No	Name of the Faculty	Conference/ seminar / workshop etc	Venue	Date
1	Dr. P.V Durga Prasad	Presented a paper titled " Nanocomposites in Biomedical Applications" in 4 th International conference on Nanoscience and Nanotechnology (ICONN 2017)	SRM University	9-11 August, 2017

2	M. Ravi Kumar	Presented a paper titled “Fuel Cells and Hybrid Vehicle Technology” in the all India seminar conducted by Institution of Engineers (India) in association with Sphoorthy Engineering College, Hyderabad.	Visvesvaraya Bhavan, Khairatabad.	18-19 August, 2017
3	M. Ravi Kumar	Participated in one week refresher course on “Refrigeration & Air Conditioning”	CV Raman College of Engineering, Bhubaneswar.	19-23 June, 2017
4	B. Ravi Kumar	One day workshop on “Design and Analysis of Mechanical Systems “	Department of Mechanical Engineering, UCE, OU, Hyderabad.	31 st August, 2017
5	A. Syam Prasad	One day workshop on “Design and Analysis of Mechanical Systems “	Department of Mechanical Engineering, UCE, OU, Hyderabad.	31 st August, 2017
6	C. Sumalatha	One day workshop on “Design and Analysis of Mechanical Systems “	Department of Mechanical Engineering, UCE, OU, Hyderabad.	31 st August, 2017
7	S. Srinivas	Participated in 3 Day national level workshop on “Outcome Based Technical Education towards achieving NBA / ABET Process” Jointly organized by IEEE Education Society and Matrusri Engineering College, Hyderabad.	Matrusri Engineering College	7-9 Sep, 2017
8	C. Sumalatha	Surface Coating Technologies	University College of Engineering (Aut), OU, Hyd.	16-03-2018
9	B. Suresh Kumar Reddy	Surface Coating Technologies	University College of Engineering (Aut), OU, Hyd.	16-03-2018
10	Dr. J. Kandasamy	Presented a paper entitled “comparative Analysis of Temperature Variation in Friction Stir Welding” in 8 th International conference on materials Processing and Characterization (ICMPC-2018).	Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) in collaboration with Maulana Azad National Institute of Technology (MANIT), Bhopal, M.P.	16 - 18 March 2018

6. Consultancy, R & D

S.No	Organization	Name of the Project	Supply Order Number & Date	Cost in Rs.	Name of the Coordinator
1	M/s. Shalin Composites India, Mumbai.	Design & Analysis of Filament Wound Pressure Vessel	SCIPL/MVSREC/04-17-01 July 2017	20,000	1. Dr.M.Madhavi 2. Mr.K.Karthik Rajashekar
2	M/s. CNC Techniques, Pvt.Ltd., Hyderabad	Design of Composite Structures: Drive Shafts, Chimney, High Pressure Tank.	CNC/UNIT-I WORK ORDER/01/17-18 Nov., 2017	70,800	1. Dr.PA.Sastry 2. Dr..M.Madhavi 3. A.Syam Prasad 4. Mr.K.Karthik Rajashekar

7. List of Faculty Pursuing PhD.

S.No.	Faculty Name	Designation	University	Year of Registration	Topic
1.	Mr. N. Veman Reddy	Asst. Prof.	JNTUH	2016	Multipass welding using GTAW on SS316LN for estimation of residual stress and distortion in nuclear applications.
2.	Mr. M. Bhargava Chandra	Asst. Prof.	JNTUH	2016	Enhancement of heat transfer rate in heat exchangers using Nano fluids.
3.	Mr. R. Ravi Kumar	Asst. Prof.	OU	2016	Tar decomposition from biomass gasification equipment by using char as catalyst.
4.	Mr. V. Suman Raju	Asst. Prof.	OU	2016	Thermal analysis and optimization of cogeneration system with steam turbine by utilizing heat sources.
5.	Mr. B. Suresh Kumar Reddy	Asst. Prof.	OU	2016	Studies on Aluminum alloy (6061 series) analysis on mechanical properties, machinability modeling and optimization of process parameters.
6.	Mr. M. Ravi Kumar	Asst. Prof.	JNTUK	2015	Performance investigation and optimization of refrigeration system using blends of environment friendly alternative refrigerant.
7.	Mrs. C. Sumalatha	Asst. Prof.	JNTUK	2015	Tribological properties under fatigue loading for Al Si cast alloys.
8.	Mr. A. Syam Prasad	Asst. Prof.	JNTUK	2015	Prediction of ageing of visco-elastic materials.
9.	Mr. G. Prakasham	Asst. Prof.	OU	2013	Effective simulation of welded joint by using FEA.
10.	Mr. D. Siva Kumar	Assoc. Prof.	JNTUH	2012	Experimental study of tool geometry and optimization of process parameters in friction stir welding.
11.	Mr. K.V.R.K. Subrahmanyam	Assoc. Prof.	JNTUH	2012	Optimization of processing parameters for light weight castable alloy shapes using semi-solid forging route.
12.	Mr. S.V. Narasimha Rao	Asst. Prof.	JNTUH	2012	Experimental investigations and characterization of semi-solid processed Aluminum alloys.
13.	Mr. B. Ravi Kumar	Asst. Prof.	JNTUH	2012	Some studies on metal spinning modeling analysis and optimization.
14.	Mr. S. Srinivas	Asst. Prof.	JNTUH	2012	Gas pressure super plastic forming of light alloys.
15.	Mr. G. Srinivas Sharma	Assoc. Prof.	OU	2001	Experimental investigations of BIG/GT for power generation.

Student Activities

1. Students from B.E II, III, and IV year have taken internships from organizations like BHEL, NTPC, NFC, DRDO, ASL, Stallion tyres, South Central Railways, SABOO, Hyundai, RCI, ECIL, TSGENCO, and BDL.

2. Mechanical Engineers Students Associations (MESA)

MESA is a body controlled and run by the students of Mechanical Engineering under the guidance of the faculty. Various events are conducted every year to prepare them for future environment.

MESA divides its functions into five wings,

- 1) Personality development wing
- 2) Arts and cultural wing
- 3) Sports wing
- 4) Social Networking and publicity wing
- 5) Event organization wing



3. Athlema

Athlema, MVSREC is an intercollegiate sports meet conducted by M.V.S.R Engineering College every year.

The following events are conducted

- 1) Basketball
- 2) Cricket
- 3) Football
- 4) Throw ball
- 5) Carooms
- 6) Chess
- 7) Table Tennis



4. Industrial Visit:

Students of 3/4 Mech-I visited Cochin Shipyard and Anna Aluminium Company Pvt.Ltd Kerala from 14-15 Feb 2018



Coordinators: Mr.S.Shiva Kumar, Asst.Prof.
Mrs.T.Anuradha, Jr.Asst.

Students of 3/4 Mech-II visited Amado Tools, National Aerospace Laboratories- Bangalore from 06-12 Feb 2018





Coordinators: Mr.R.Ravi Kumar, Asst.Prof.
Ms.Nukaraju Haritha, Asst.Prof.

Industrial visit to HMT – Hyderabad on 24 Feb-2018



Coordinators: Mr.S.V.Narshimha Rao, Assoc.Prof.
Mr.V.Suman Raju, Asst.Prof.

Student National Level Competitions: **SAE BAJA 2018**

TEAM RATCHET

The BAJA SAE Series® is an event for the undergraduate engineering students, organized globally by the Society of Automotive Engineers. The BAJA SAE tasks the students to design, fabricate and validate a single seater four - wheeled off road vehicle to take part in series of events spread over a course of 4 days that test the vehicle for the sound engineering practices that have gone into it, the agility of the vehicle in terms of gradeability, speed, acceleration and manoeuvrability characteristics and finally its ability to endure that back breaking durability test.

A total of 388 teams have registered for the virtual round of the event and **Team Ratchet** was placed in 68th position.



Coordinators:

Mr.G.Srinivas Sharma, Assoc.Prof

Mr.M.Ravi Kumar, Asst.Prof

SAE SUPRA

TEAM AMPERE MOTORSPORTS INDIA

The 6th edition of SUPRA SAEINDIA, India's biggest formula student competition is kicked off with the oath ceremony at the Formula 1 track at Buddh International Circuit in Greater Noida. The oath ceremony for the student formula competition is administered by Mr. I.V Rao, Chairman EEB, SAEINDIA and Executive Advisor, MSIL along with Mr. Deepak Sawkar, Convener SUPRA SAEINDIA 2017 and other Organising Committee Members. SUPRA is being organised annually by SAEINDIA with the support of Maruti Suzuki, the event provides a platform for students to apply their engineering skills to design and construct a Formula category vehicle as per defined performance and safety specifications. SUPRA SAEINDIA 2017 comprised of a series of Static and Dynamic events spread 01 July, 2017.

Static Events Includes:

- Marketing Presentation
- Engineering Design
- Cost Evaluation

Dynamic Events Includes:

- Acceleration Event
- Skid-Pad Event
- Autocross Event
- Endurance



Ampere Motorsports India, consisting of 24 students from Mechanical and Automobile department of our college have participated in student formula competition SAE Supra - 17 with their formula vehicle RONIN V2.0. the competition was held at Buddh International Circuit, greater Noida from 26 June to 01 July 2017.

Coordinators:

- Mr.G.Srinivas Sharma, Assoc.Prof
- Mr.M.Ravi Kumar, Asst.Prof

GOKART 2018

The karting vehicle accentuates the engineering and designing modus operandi that is followed in the development of each subordinate system of the vehicle. It also presses the fact that the vehicle is aimed at complying all the rules specified to compete in the International Series of Karting. The team's underlying objective is to cook up a go kart vehicle which could stand itself a chance to being adjudged robust, home-free, efficient, durable, cost effective, and qualitative; yet breaching no rule penned down for the competition. All this was achieved by designing a rigid, torsion free frame with a well mounted power train.

Costing:

The overall cost for fabrication of the kart was INR 1.46 lacs

Planning:

The team was divided into subsystems and work was allotted accordingly. Priority was given to the works that were dependent on two or more subsystems.

Design:

Initial frame calculations were done subject to constraints of the rulebook. The frame was then modelled in Solidworks and tested in ANSYS with a factor of safety included.

Fabrication:

The kart was fabricated according to the design. Arc and TIG welding processes were used to weld the frame. Hubs were made out of Aluminium 6082 and Bright Steel. A mild steel axle was used.

Challenges:

The frame of the kart had much flexure. This was resolved by adding cross-members at vital places. Due to flexure and weak mounts, the chain was susceptible to getting slack. This was resolved by making a revolutionary tension adjuster which works by adjusting tension in a vertical direction rather than sliding the engine which is a very common sight.

Testing:

The vehicle was tested for driver safety, brakes, acceleration and flexure.

Results:

The vehicle participated in International series of carting (ISK 2018) under the aegis of FMSCI which is held from 26 Feb to 01 March in Visakhapatnam.



Coordinators:

Mr.D.Siva Kumar, Assoc.Prof

Mr.N.Yogi Manash Reddy, Asst.Prof

SAE EFFI-CYCLE

Team TRIKUT 3.0

“EFFI-CYCLE” derived from Efficient-Cycle , the objective is to provide 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 vehicle must be aerodynamic, engineered for performance & safety and ergonomically designed. The objective is to promote innovation and generate consciousness amongst the young engineers towards environment friendly mobility solution.

Technologies used:

For Design & Analysis:

- Solid works
- Ansys
- Catia

For Fabrication:

- Arc welding

Applications:

- It is an eco friendly kart
- It is mostly used in high polluted areas for transportation

Courses used:

- Vehicle Dynamics.
- Electrical Circuits & Machines



Results:

The vehicle secured 17th position out of 65 at SAE EFFICYCLE, sponsored by FMSCI and 2nd in Telangana.

Coordinators:

Mr.G.Srinivas Sharma, Assoc.Prof

Mr.M.Ravi Kumar, Asst.Prof

SAE First Annual Student Convention **MVSR SAE Collegiate club**

The First Annual Student Convention by the SAE collegiate club is convened on 17-03-2018 in the presence of Prof. V.Uma Maheshwar Rao, the Vice Chairman, SAE (Hyderabad Division). The convention was attended by about 160 members of SAE (Southern Section). The inaugural address was made by G.S Sharma I/C AECC of MVSREC and Student Executive Council Member of SAE (Southern Section) Mr Darshan Mehta (4/4 Mechanical Engineering) addressed the gathering and presented the annual report.

The Chief guest Prof. V. Uma Maheshwar Rao explicitly vouched the support of SAE (Southern Section) to MVSREC SAECC and addressed the gathering with his speech with special emphasis to “Women Empowerment” and need of women in activities such as SAE BAJA, SAE EFFICYCLE and SAE SUPRA.

Finally students are felicitated by the Chief Guest for securing all India 17 position in SAE EFFICYCLE and students who have got placed in FCA.



SAE TIER 3 Event Organised at MLRIT

SAE Tier 3 events are conducted at MLRIT Hyderabad on 30 - 31 March 2018. Students of the Department participated and bagged as many as 15 awards.



Various awards won by the students in SAE TIER 3 EVENTS conducted at MLRIT Hyderabad.

Event Name	Name	Branch	Roll Number	Prize
Ethical Hacking	A.L. Leonard	Mechanical	2451-15-736-038	3 rd prize
Design Review	Sachindra Leonard Prashanth CVLSS Gaurav	Mechanical Mechanical Mechanical Mechanical	2451-15-736-021 2451-15-736-038 2451-15-736-064 2451-15-736-068	1 st prize
Analysis	Ram C. Anish	Mechanical Mechanical	2451-15-736-025 2451-15-736-013	2 nd prize
Welding	T. Anusha Madhav Reddy	Mechanical Mechanical	2451-16-736-083 2451-14-736-320	3 rd prize
Reverse Engineering	Ram Abhishek	Mechanical Mechanical	2451-15-736-025 2451-15-736-053	3 rd prize
CNC Turning	Mani Manjari Madhav Reddy Raghavendra	Mechanical Mechanical Mechanical	2451-14-736-027 2451-14-736-320 2451-15-736-303	1 st prize
Plastic die engineering	Mani Manjari Sai Rohith Chaitanya	Mechanical Automobile Mechanical	2451-14-736-027 2451-15-769-019 2451-15-736-120	2 nd prize
Mobile Robotics	Teja Vardhan Prashanth Poojeetha	Mechanical Mechanical Mechanical	2451-15-736-070 2451-15-736-064 2451-15-736-323	3 rd prize
CAD Design	Omkar Harsha	Mechanical Mechanical	2451-15-736-059 2451-16-736-009	2 nd prize
App Development	Shakoor Ahad Khan	Mechanical Mechanical	2451-15-736-031 2451-15-736-089	2 nd prize
Prototype Modelling	Nitish Sachin Abhishek	Mechanical Mechanical Mechanical	2451-15-736-023 2451-15-736-021 2451-15-736-053	2 nd prize
Process planning	Raghavendra Ahad Omkar Shakoor	Mechanical Mechanical Mechanical Mechanical	2451-15-736-303 2451-15-736-089 2451-15-736-059 2451-15-736-031	2 nd prize
Human Powered Vehicle	Naushad Feroz Veda Vyas V. Abhishek E G K Srikanth	Mechanical Mechanical Mechanical Mechanical	2451-15-736-034 2451-15-736-301 2451-14-736-076 2451-14-736-082	1 st prize
Circuit Design	A.L Leonard Sachin Vamshi Krishna Nitish	Mechanical Mechanical Mechanical Mechanical	2451-15-736-038 2451-15-736-021 2451-15-736-117 2451-15-736-023	1 st prize
Light weight mobility vehicle	G. Prashanth Gulzar Ahmed U. Aparna Ravi Shankar	Mechanical Mechanical Mechanical Mechanical	2451-14-736-309 2451-15-736-080 2451-14-736-077 2451-15-736-006	1 st prize