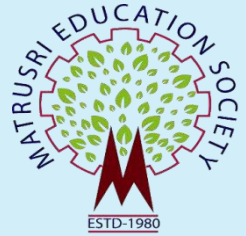




Maturi Venkata Subba Rao (MVSR) Engineering College

(Sponsored by Matrusri Education Society, Estd.1980)



Affiliated to Osmania University & Recognized by AICTE

Nadergul Village, Balapur Mandal, Hyderabad-501510

NBA Accredited courses: Civil, CSE, ECE, EEE, IT & Mechanical

NAAC Accredited with B++ Grade

NIRF Ranking Band 251-300, ISO 9001:2015 Registered

Department of Mechanical Engineering



MECHANICAL ENGINEERING STUDENTS ASSOCIATION

MESA NEWSLETTER 2019-2020



PRINCIPAL : Dr. G. KANAKA DURGA

HOD : Dr. M. MADHAVI

www.mvsrec.edu.in



MESA FACULTY COORDINATORS

1. Mr. V Suman Raju, Assistant Professor.
2. Ms. N Haritha, Assistant Professor.

TEAM MESA

1. Sharath, IV-Sem Mech-I
2. Abhishek, IV-Sem Mech-I
3. Sathwika, IV-Sem Mech-I
4. V Vedanth, IV-Sem Mech-2
5. V Krishna Leela, IV-Sem Mech-2
6. K Madhumitha, VI-Sem Mech-2
7. Srihitha, VIII-Sem Mech-2



DEPARTMENT OF MECHANICAL ENGINEERING

The Department offers one under graduate programme, B.E. in Mechanical Engineering with an intake of 120 seats and one Post Graduate programme, M.E with specialization in CAD/CAM with an intake of 18 seats.

Vision of the Department:

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 of the Department:

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. Make students aware of professional 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.



EVENTS AND ACTIVITIES BRIEF UP

In this academic year 2019-2020, MESA conducted several activities, contests and programs for students who took part in all the events with utmost enthusiasm and activeness. The event list covered all genres of activities from fun, sports, artistic and technical, prominent of which was the AUTOCOGNIZANCE 2K20, which got the attention of students from all over the twin cities and its success story was unfathomable. The highlights of this event were display of latest variants and vintage models of all automobiles.

The events conducted under MESA were ably designed and guided by faculty members of the department which encouraged students to come forward to portray and improve their skills. The programs conducted were very eventful and successfully completed thanks to all the faculty members, student coordinators and other staff who put their best foot forward for triumphing in conduct of these events.

This News Letter is a tribute to all the hard work, Record of all the activities & achievements and a log book of all the memories of the year 2019-2020. It is also a brief portrayal of the artistic and poetic face of the multi-talented students of Mechanical Engineering department at MVSREC. Students of the department also participated in all India events conducted by SAE like Go-kart and BAJA with a lot of excitement and commitment.

A wise man once said *“SUCCESS IS NOT FINAL AND FAILURE IS NOT FATAL, IT IS THE COURAGE TO CONTINUE THAT MATTERS”* and following this, the students of Mechanical Engineering at MVSREC have been working to better their best even on the national level.

TREE PLANTATION-THE GREEN DRIVE

“HE WHO PLANTS THE TREE PLANTS INSPIRATION TODAY AND HOPE TOMORROW”



MESA has always been insightful and always has visionary ideas for the environment. It has started THE GREEN DRIVE program under which trees were planted by the Honorable Principal, faculty, staff and students of the department, in and around the play grounds of MVSREC. The college will pursue this initiative in future also to make the campus greener, clean and environment friendly.

AKSHAY GANESHA-RENEWABLE GANESHA

After the green drive programme, another initiative by MESA was to encourage students to make clay idols of LORD GANESHA during Ganesh Chaturthi festival and to decorate the almighty with biodegradable materials, so as to spread awareness to avoid water pollution. The skills and imagination of our students is immensely appreciable and astounding. Department of Mechanical Engineering proudly presented “AKSHAY GANESHA – 2019”, an ECO FRIENDLY GANESH IDOL making competition on 30th August 2019.



TEACHERS DAY CELEBRATIONS



MESA never leaves any opportunity to thank the faculty members for their immense support and motivation in all fronts of students' lives, be it academic, personal or professional. Students grabbed this chance to take faculty off their busy, hectic schedules and making a day fulfilling, enjoyable and memorable for them. Students expressed their gratefulness and indebtedness to the faculty members by speaking their

hearts out, dancing, singing and playing with the faculty. MESA organized the Teachers day on 5th September, 2019 at Conference hall of the Department. The event began with an invocation song by Ms. Jhathi of IV Sem-A, followed by dance performances (solo and group). The academic toppers of each class were also felicitated by the faculty.

CULTURAL PROGRAMS BY STUDENTS (IV, VI SEM)

The event was fun-filled and entertaining and memorable with performances given by students of various sections. Dance performances were given by Ms. A. Meghana, Ms. G. Hema Lalitha, both from IV Mech-A. A Mime skit was performed by Mr. P.Sahil from VI SEM-B. Group dance was done by students of IV and VI SEM.



BLOOD DONATION



Meaning: The person who gives blood and money for the people of the country, that person gets the fruit of thousand yagnyas (Ritualistic sacrifices to propitiate God) in every way because it is the most human act.

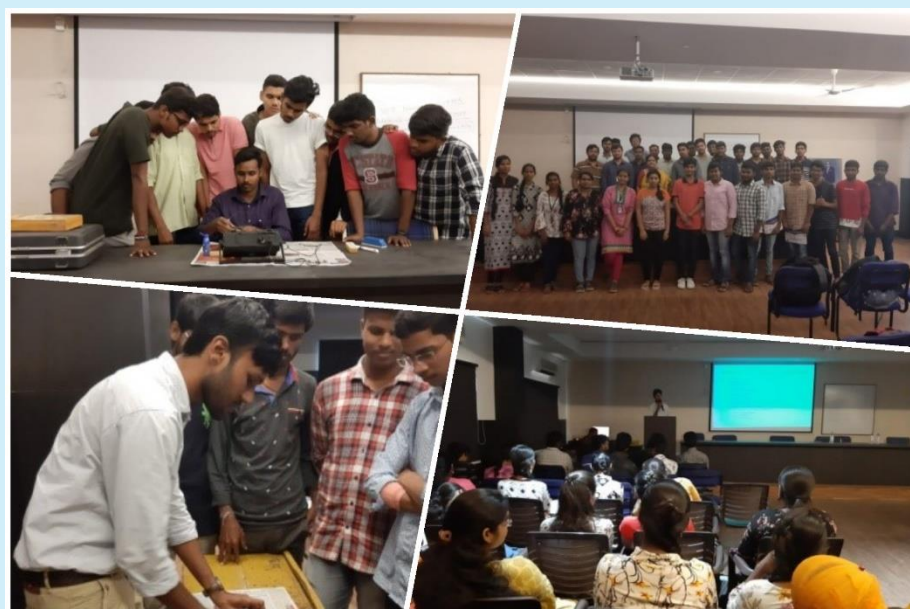
रक्तंधनंचदेशाय, संकटेयःप्रयच्छति।

यज्ञानासःसहस्राय, फलेविन्दतिःसर्वथा।।

Encouraging this act of humanity and inducing social responsibility in students, MESA participated in a blood donation camp on 1st Oct 2019

which saw many students, teachers and staff donating the red gold and saving many lives and giving many smiles. MESA thanked the coordinators and organizers of the blood bank organization for helping in the smooth and ethical conduct of this event.

NDT SHORT TERM COURSE



A course on “Introduction to Non Destructive Testing (NDT)” was conducted for the students of B.E. 4th semester. This course was a continuation to upgrade their existing knowledge as they had just completed a material testing lab in their recent academic session. The course provided an introduction to NDT and hands on experience for the students.

INITIA-4.0

Twenty students who were extremely interested to use their technical skills and fabricate a 'Go-Kart', participated in the event AUTO INDIA RACING CHAMPIONSHIP (AIRC) 2020 (Season 4). The event was a student design competition and held from 6th February 2020 to 9th February 2020. All the students who participated in this event were from B.E. 2nd Year of the department. This event has indeed helped the students hone their skills and generated interest towards pursuing a career in Automotive Engineering.



Mr. N.Yogi Manash Reddy, Assistant Professor of the department was the Faculty Coordinator for this team and ably guided and supported the team for the competition.

The team extended its sincere thanks to HOD Dr. M. Madhavi & Principal Dr. G.Kanaka Durga for their motivation and support to the students for this event.



TEAM: Kudumula Hritish Reddy (Captain), C Venkata Shri Abhram (Vice-Captain), Mohammed Abdul Muktdar Ali (Technical head), S. Roshini (Financer), S. Jhathi (Manager), E. Omprakash Varma, Mohammed Nausheed Ahmed, Dhiraj Shinde, Sujith Reddy, Kanduri Shilpa, M.Shanmukha Bharadwaj, T.V.N.S.Krishna Chaitanya, G.Hemalalitha, Pavan Chaitanya, Eshwar Sai Nallapaneni, Regu Prasanna, Mohammed Adnan, Praneeth Jaggannagar, Bodupally Abhishek, M.SaiSuhas.

BAJA SAE INDIA 2019 – 2020

Team Ratchet from SAE collegiate Club of MVSREC, have fabricated an All-Terrain Vehicle (ATV) for BAJA SAEINDIA 2020, with a budget of Rs. 4, 35,000/- out of which Rs. 2, 25,000/- was self-funded by the students and a sponsorship of Rs. 2, 10,000/- was given by our college.

FACULTY ADVISORS:

1. Dr. G. Srinivasa Sharma, Associate Professor, MED
2. Mr. M. Ravi Kumar, Assistant Professor, MED
3. Mr. M. Pandarinath, Assistant Professor, AED.

TEAM RATCHET: D Sainath Goud (Captain), Sreyan B S (Vice Captain), S Roshini, Deeksha Reddy S, Ma Tammem, Pranay P, Mudassir Hussain (Driver), Pranay Reddy Ch, Saiteja G, Tejaswi Dittakavi, Naveen Karanam, Vaibhav Dhuppe, Saahith Vaspari, Mohd Abdul Moid, Koushika S, Shruthi Dayam, Srivatsa Boliseti, Sumanth Gudige, Dheeraj Merugu, Sneha Reddy, Sai Manideep Naredula, Ch Manoj Kumar, Sarath Chandra, Vikram Konda, Manaswi Pulijala.

- | | | |
|--|---|------------------------------|
| • Total number of teams registered for Virtual round | - | 282 |
| • Total number of teams qualified for the main round | - | 84 (For Chitkara University) |
| • Final Position secured after completion of the event | - | 36 |



AUTO COGNIZANCE 2K20



AUTO COGNIZANCE 2K20, a two day technical fest on Automobiles, was held on 6th-7th March, 2020. It was jointly organized by the Departments of Mechanical, Automobile & Electrical Engineering. Mr. B. Kshetra Mohan & Dr.P.V.Durga Prasad, Associate Professors of the department, were the faculty coordinators for this fest. On March 7th, the Auto Expo event

was conducted at the Exhibition Grounds, Nampally. Prominent Tollywood director Mr. V.V.Vinayak graced the Inaugural function of the Auto Expo. Automobile enthusiasts and students from many colleges turned up for the Auto Expo. Display of Supercars was the limelight of the Auto Expo.

This event saw display of wide range of automobiles from PORCHE TO IAT TO EVs TO BIKES. Students from the twin cities attended the expo and gave excellent reviews for the event as educative and enlightening.



RANGOLI COMPETITION

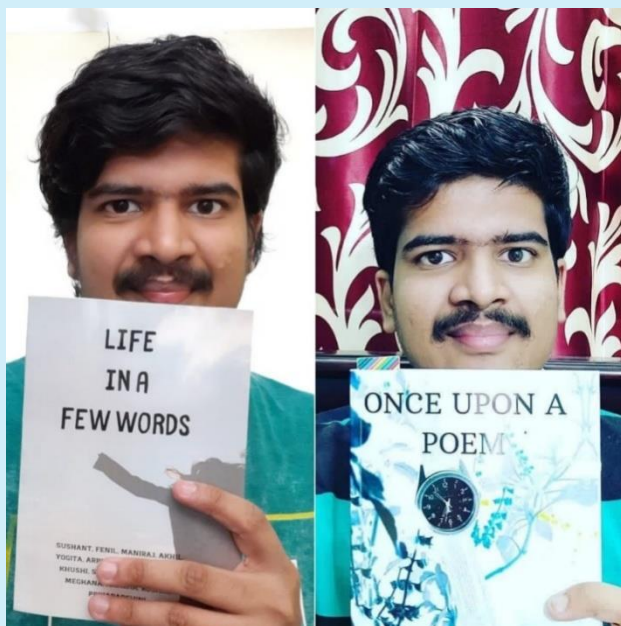


Just before the festival of kites i.e., Makara Sankranti, the Foyer of the Mechanical Engineering block was glowing like a bride in a palanquin, kudos to the girls of the department who filled the floor with the beautiful, colorful and aesthetically pleasing Rangoli. Judging them for price distribution was a tough grind for the judges.

STUDENTS' CONTRIBUTIONS TO FINE ARTS

POETRY

Mr. M V P S Akhil Prasad, a student of VIII SEM, MECH-A of the department has contributed his writing works to the Great Indian Anthology which was published by Half baked beans with 400 Authors and it has been released on Amazon as well. His contribution to two new books recently includes "Once upon a poem" and "Life in a few words". He is also going to release a new book 'Pile of thoughts' which comprises of 35 co-authors and is scheduled for release in September 2020.



MVPS AKHIL PRASAD

The idea behind the kaleidoscope is that it's a structure that's filled with broken bits and pieces, and somehow if you can look through them, you still

In the generation of people who want to be heartless, savages and empty of feelings, it will be hard to find someone who is what you need, but do not become like the world. Be loyal, be emotional, be full of feelings, be hungry for love, be thirsty for affection and anything else human beings ought to desire.

*Buni chettu thiraganu surudu
 tantilo tanunavigina kanthi
 vibhukoni pullu
 Saganampani kanilla
 tharalli ponu samayam
 karumarigina samudra
 ragani kaniku
 Karagani kallalu
 Sahakarinehani sahanam
 Arispeyina Anandham
 Baravathuna jivitham*

Theatre

He entered this world and a stage was set for him. Crumbling with fear, lights flashed as he stood in between. Portrayed as a hero, crying, smiling and dancing.

The life was scripted a lone actor, crowd laughing at his innocence. Lights change the direction focusing on her entry. Her presence was not to entertain, but, chiefly to support him.

The onlookers saw a new artist, from an amateur to a pro.

He and she, facing the world, together and forever.

They portrayed a performance, larger than life.

With

As she was a falling star she asked, "Let's make a wish".

He was reluctant on her side. "I don't believe in it".

Standing inside a temple, she said, "At least tell your hands".

"They statues don't talk and have no power", he said.

She knew he was agnostic as falling stars don't catch him. She knew he was agnostic as he had no belief on supreme. But, deep inside his heart love was getting nurtured. His whole world was in her so in a star on the astrology. So standing behind her, he closed his eyes seeing the star. Without being noticed, he even closed his hands.

Just to make a wish with her to see her smiling examples. A wish to hold her.

To Each One Of You

To each one of you who stays awake all night grasping the views of moon and stars.
 To each one of you who dream a different life of yourself, a life which might be illogical for others.

But a lifetime boon for you,
 To each one of you who sit idle now and dream to make your life big filled with love and smiles.
 Then, you have got to flow. Flow with time and change the tide. Because it's your mind which wants adventure.

It's your heart that beats for you. And it's your life which wants you to win.
 So, each one of you lets make it big. Let's make us count without following that blind crowd.

**Akhil Prasad
 Hyderabad**

BEAUTIFUL POETRY:

Poetry works by students of the department:

MVPS Akhil Prasad,
 VIII SEM, Mech-A.

V Krishna Leela,
 IV SEM, Mech-B

Meela Vandita,
 IV SEM, Mech-A

DRAWINGS AND PAINTINGS:

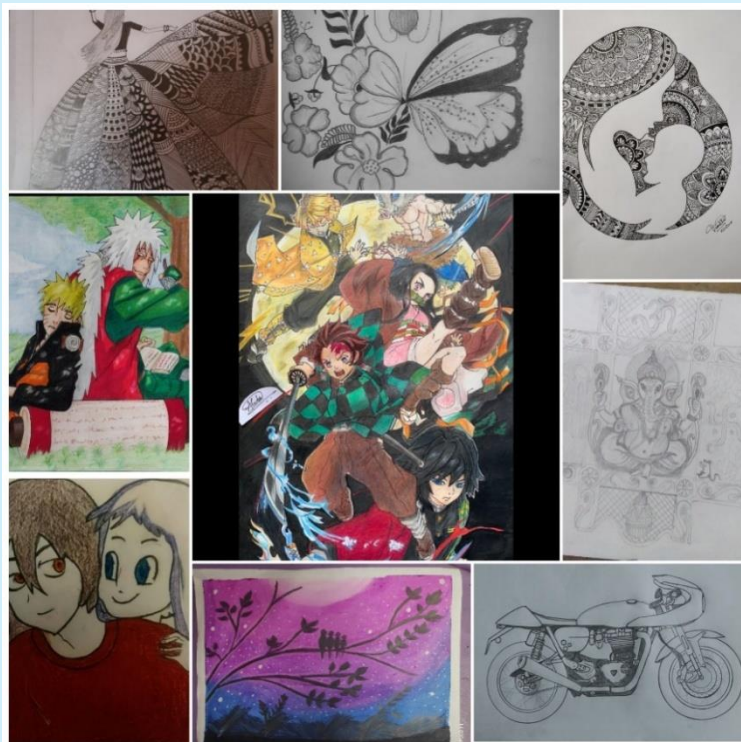
“ARTISTS ARE SIMPLE PEOPLE WITH COMPLEX MINDS WHO SEE EVERYTHING THAT OTHERS MIGHT NOT TAKE GLIMPSE OF....”

MVSREC has innumerable number of artists who penned and colored their talent for the painting competition and have made piece de resistances. Some contributions from the students of the department are presented below.

PORTRAITS:

The portrait artworks of various students are presented here. Names of the students are given below:

- Rahul, VI SEM-B,
2451-17-736-107
- Sneha, IV SEM-B,
2451-18-736-073



PENCIL ARTWORKS:

The artworks of various students are presented here. Names of the students are given below:

Ch. Ahlada Ruthwik, VI SEM-B

T.V.N.S. Krishna Chaitanya, IV SEM-B

Greeshma Santhoshini, IV SEM-B

Akshith Reddy II SEM-B

P.Chinmayi, II SEM-A

S. Roshni, IV SEM-A

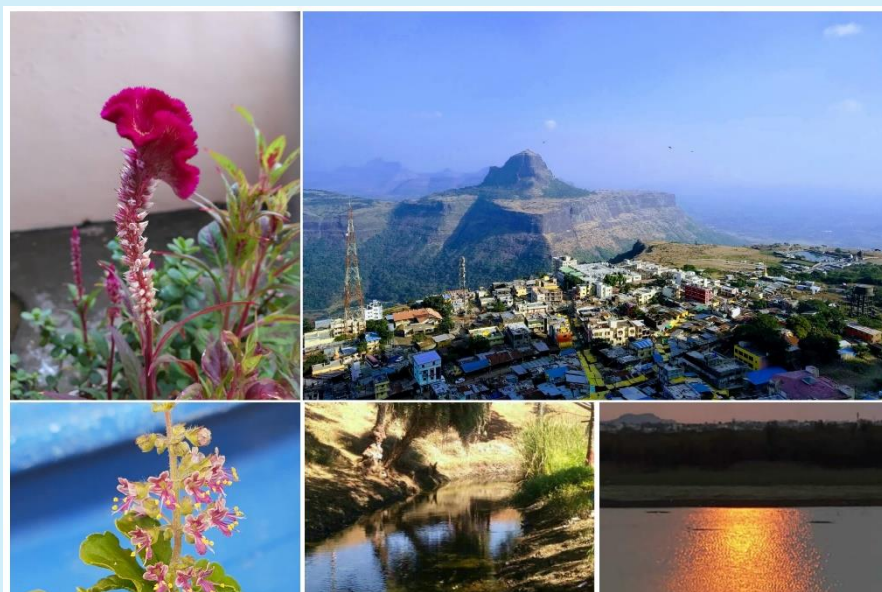
Meela Vandita, IV SEM-A

Vemula Krishna Leela IV SEM-B

PHOTOGRAPHY

Some of the students have flair for photography. Some collections of those photographs captured by our students are shown below:

- A. Saketh, IV SEM-A,
2451-18-736-026
- Vemula Krishna Leela, IV SEM-B,
2451-18-736-101



TOPPERS LIST

LIST OF OU TOPPERS (2018-19)

Name of the Student	Roll No.	OU Rank
M V Krishna	2451-15-736-060	VII
S Neeraj Kumar	2451-15-736-011	X

LIST OF CLASS TOPPERS (2018-19)

Year	Name of the Student	Roll No.	Marks
B.E. 1/IV	Daggubati Jagadesh	2451-18-736-064	18.21
B.E. 1I/IV	K Venkateshwara Swamy	2451-17-736-009	17.88
B.E. 1III/IV	G Sriram	2451-16-736-062	16.87
B.E. 1V/IV	M V Krishna	2451-15-736-060	4707

SPORTS ACHIEVEMENTS BY STUDENTS

The students of the Department actively participated in several sports activities held both in our college as well as other colleges and performed well.

GIRLS:

Dontha Sugandhika

VIII SEM MECH-B

D.Sugandhika represented South Zone Inter University Cricket for Women's, held in Tirupathi from 21-26 December, 2019. She participated in Tennicoit (singles and doubles) and basketball INTER COLLEGE TOURNAMENT in ATHLEMA 2020 held at MVSREC and won 2nd prize.

The department takes pride in her selection for state HCA U-23 probable's matches held from 29th-31th October 2019.

She worked as sports secretary for MVSREC sports club and student coordinator for ATHLEMA 2020.

She got a chance to have dinner with Indian Cricket player, Mr. **Robin Uthappa**.



BOYS:

The boys of the department also actively participated in several events at ATHLEMA 2020 held at our college and won prizes in several events. The Winners for various events are mentioned below:

Football Tournament: (*Winners*)

The football team members are as follows:

Moksha - VIII Mech-A, Abhinay- VIII Mech-B, Vikas -VIII Mech-B, Pranay VIII Mech-B, Dheeraj – VIII Mech-B, Adarsh-VIII Mech-B

Badminton : (*Winners*) Vamshi-VIII Mech-A, Abhinay- VIII Mech-B

Table Tennis: Srikar - VIII Mech-A

COVID SEASON – INNOVATIVE PRODUCTS BY STUDENTS & ALUMNI

COVID MODEL: CONTACTLESS SOAP DISPENSER

Materials used:

Arduino board, Ultrasonic sensor, servo motor, Nylon wire, two 1 mm diameter tubes.

This is an Automatic Soap Dispenser which we already know but unlike traditional soap dispensers where they cost around minimum of 1500/- . This project just costs about half of its price (700/- only). It is built just using household items, making it affordable for all kinds in this Pandemic.

Student details:

Name: N.BHASKER

Roll no: 2451-17-736-309

Sec: Mech-1



ALUMNI CONTRIBUTIONS:

“The hand which gives is better than the hand which receives” said by Muhammad. Being inspired by it, four young graduates of our college, Mohd Abdul Shakoor, Chiluka Karan, Mohd Abdul Ahad, Mohd Talha Adil took a shape of a start-up by name “*Daava 3d printing services*”. Amidst the ongoing



panic of the wide spread disease, COVID-19 and the shortage of protective equipment to social relief and health care workers, they contributed to nation with their skills and services by designing a simple forehead clamp shield which can be re used again by simply replacing the transparent shield protective Goggles.

CONTACT LESS HAND SANITIZER

Sani-Sense non-touch based sanitizer dispenser that is developed to ensure optimum usage.

By ABHINAV. (Alumni)





SAE MVSr COLLEGIATE CLUB TIER -2 EVENT REPORT

SAE Collegiate club- MVSr has successfully hosted Tier-2 event of the 14th SAE National Student Convention on 15th February, 2020 at MVSr Engineering College. A Total of 30 technical events were planned and executed at its best of quality. Around 500+ students from 15 colleges across the states of Telangana and Andhra Pradesh actively participated in these events and presented their works. A team of technically strong experts from various industries and academia were invited to judge the students' performance in these events. Students of the SAE Collegiate club -MVSr were actively involved in the successful conduct of these events.

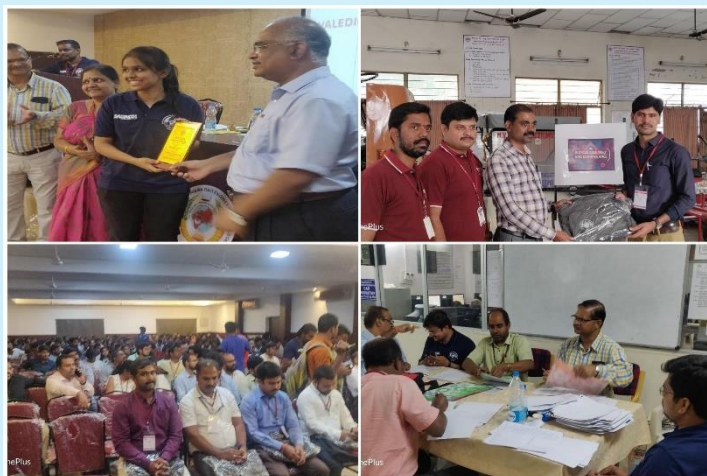
The Head of the department and faculty from both Mechanical Engineering and Automobile Engineering departments of our College offered an active support for the grand success of the event.

Dr. G. Padmanabham, Director ARCI & Chairman SAEISS, Dr. V. Uma Maheshwar, Associate Professor of Mechanical Engineering Department at Osmania University & Vice Chairman of Student activities SAE-ISS Hyderabad Division and Prof Venkateshwar Reddy, Treasurer, SAEISS Hyderabad Division were present during the valedictory function. Ms S. Roshini and Mr. Harsha, Student Executive Chair members from SAE MVSr Collegiate Club were honored with memento for their efforts to the success of the event.

SAE MVSr Collegiate Club Faculty Coordinators:

- Dr. G.Srinivasa Sharma, Associate Professor-MED
- Mr. M. Ravi Kumar, Assistant Professor-MED
- Mr. M. Pandarinath, Assistant Professor –AED

SOME SNAPSHOTS FROM THE SAE-TIER 2 EVENTS



YOU WILL BE REMEMBERED 'VAMSHI'

Mr. G.Vamshi Krishna (Vamshi) was a Mechanical Engineering student of this college, admitted in 2016-17 batch in Section B. He was always intrigued by dance but he only took it up professionally during his graduation. Apart from being head of his college dance club, he was also a major part of dance crews in the city namely, '*Beat Hoppers crew*' and '*Nations Rock Beat dance crew*'. He was always an active participant of the dance scenes in Hyderabad.

Juggling through locking and waacking, urban and house, he finally found his heart in the street style krump. Krump being a not very popular style in Hyderabad did not stop him from learning and teaching. He soon gained recognition from his contemporaries in the dance community even from other cities for his unique style and immense potential.

He worked as an instructor at Siddi fitness studio and also taught hip-hop online to kids from outside Hyderabad. He has always been an advocate for spreading street styles in the city which is why he and one of his crewmates from Beat Hoppers joined the Hyderabad Arts and Culture Community (HACC) where they were soon invited to handle the dance wing of the community, called '*Nrityart*'.

We feel sad that you left for your heavenly abode. Rest in Peace, Dear Vamshi.





MESA EVENTS COVERAGE PHOTOGRAPHY ASSISTANCE

MESA expresses its sincere thanks and appreciation to the following members for their help rendered in capturing all the events conducted under MESA during the academic year 2019-20. Without their assistance, this newsletter would have been incomplete.

Team: Vedanth Vadlamani, Pavan Chaitanya, B. Sidharth, B. Vinay Kumar, P.N.Amar Sai, Mr.M.Vasavi Krishna (CAD Lab staff).

It has been another wonderful year at the college for MESA. We were able to plan, organize and successfully conduct a good number of events in our department. We are thankful to the management of the college, the Principal, the HOD, all the faculty members and staff for their support and encouragement in conduct of MESA events.

We thank all the students for their active involvement and participation in the conduct of MESA events.

- TEAM MESA

The department expresses its sincere thanks and best wishes to the following students who rendered utmost help in completely designing this MESA NEWSLETTER 2019-20:

- P.Sahil, VI SEM-B
- LNK Dharanija, IV SEM-A

THANK YOU
