



Mechanical Engineering Students' Association (MESA)

The Mechanical Engineering Student Association (MESA) is the premier body of Mechanical Engineering department in KITSW and is formed out of voluntary enthusiasm and extreme passion of its students to discover the deepest knowledge of their interests.

Under the extraordinary guidance of Head of the department, faculty and with their unconditional and invaluable support, students here in the association improve their every skill and strive with an obsession of carving their capabilities to perfection and mastery.

The executive council of MESA is constituted for the academic year 2019-20. The following are the office bearers nominated for various positions of MESA.

| Dr. K. Sridhar, Professor & Head, MED | | | |
|--|----------------------------|----------------|-----------------------------------|
| Sri G. Vinod Kumar, Assistant Professor, Faculty In-charge (MESA) | | | |
| Sri S. Anil Kumar, Assistant Professor, Faculty In-charge (MESA & ISTE) | | | |
| S.No | Position | Section | Name of the Student |
| 1. | President | 4M1 | N. Karthik (B16ME007) |
| 2. | General Secretary | 4M1 | A. Sri Vardhan Kaushik (B16ME050) |
| | | 4M1 | T. Lavanith (B16ME031) |
| | | 4M2 | S. Akhilesh (B16ME073) |
| 3. | Joint Secretary | 3M1 | E. Sreeja Rao (B17ME006) |
| | | 3M2 | K. Akhil Raja (B17ME061) |
| | | 3M3 | G. Sriram (B17ME132) |
| 4. | Public Relations In-charge | 4M1 | P. Gopi Chander (B16ME008) |
| | | 3M1 | T. Akash Reddy (B17ME008) |
| | | 3M2 | MD. Assad Ullah Sharif (B17ME065) |
| 5. | Treasurer | 4M1 | K. Sony (B16ME009) |
| | | 3M3 | K. Sai charan (B17ME133) |
| 6. | Executive Members | 4M1 | S. Pradeep (B16ME039) |
| | | 4M1 | P. Kalyan (B17ME123L) |
| | | 4M2 | M. Sampath (B16ME088) |
| | | 3M1 | MD. Akbaruddin (B17ME005) |
| | | 3M1 | S. Kousalya (B17ME025) |
| | | 3M1 | R. Chandrahaas Sharma (B17ME036) |
| | | 3M2 | K. Sri Vathsav (B17ME092) |
| | | 3M2 | V. Sindhuja (B17ME095) |
| | | 3M2 | Fouzia Tabassum (B17ME103) |
| | | 3M2 | Asia Thabassum (B17ME106) |
| | | 3M3 | G. Tejaswi (B17ME141) |
| | | 3M3 | G. Sougandh (B18ME215L) |
| | | 3M3 | G. Jyothi (B18ME217L) |
| | | 2M1 | A. Gowtham (B18ME042) |
| | | 2M1 | Ch. Manohar Reddy (B18ME004) |
| | | 2M2 | D. Sathvik Reddy (B18ME066) |
| | | 2M2 | B. Naveen (B18ME074) |
| 2M3 | M. Kalyan (B18ME121) | | |
| 2M3 | K. Santhosh (B18ME177) | | |

ROLE OF PERSON IN POSITION FOR MESA:

PRESIDENT: He or she is responsible for taking care of the overall activities, events and the members of MESA.

GENERAL SECRETARY: He or she is responsible for the initiating and conducting various events during MESA sessions.

JOINT SECRETARY: He or she is responsible for managing the executive body members of MESA and delegating works to them.

TREASURER: He or she is responsible to maintain the records of events, people attending the events and monetary transactions for the MESA sessions.

PUBLIC RELATIONS IN-CHARGE: He or she is responsible for publicizing the events conducted by MESA and taking photographs and videos for documentation.

EXECUTIVE MEMBER: He or she is responsible for conducting the events and activities of MESA.

Events held under Mechanical Engineering Students' Association for the academic year 2019-2020.

All the activities in MESA have been handpicked by the veterans of the department with meticulous efforts put into the design process and the following gives the detail information and schedule of various programs to be conducted in this year.

An hour i.e. from 12.10 pm to 1.00pm on every Tuesday is completely devoted to MESA activity with the information properly disseminated to every corner of student community prior to the event.

| S. No | Date of the event | Name of the event | No. of students participated |
|--------------|--------------------------|--|-------------------------------------|
| 1. | 30-07-2019 | Inaugural Session of MESA Body | 184 |
| 2. | 06-08-2019 | Options after B. Tech- Schedules and Strategies | 83 |
| 3. | 13-08-2019 | Current Trends in Automobile Engineering | 61 |
| 4. | 20-08-2019 | Live Demonstration of Formula Student Vehicle | 72 |
| 5. | 01-10-2019 | Bio Printing | 80 |
| 6. | 24-10-2019 & 25-10-2019 | Technical Workshop on "Spacecraft Design" | 107 |
| 7. | 07-01-2020 | Importance of modeling and Analyses using Software | 52 |
| 8. | 20-01-2020 | Foreign Education and How to Approach it | 63 |
| 9. | 28-01-2020 | Emerging fuels in Automobile: Alternative Fuels | 48 |
| 10. | 04-02-2020 | Employability after Engineering | 21 |
| 11. | 11-02-2020 | Interaction on Internships | 22 |
| 12. | 03-03-2020 | Hydrogen: Fuel of Future | 36 |
| 13. | 10-03-2019 | Smart Mechanical Systems | 52 |

Mechanical Engineering Students' Association actively planned and organized several above mentioned activities to make students enthusiastic in learning other things apart from the curriculum. Main motto of the association is to develop the students in the path of technical and also improvement in the communicational skills. We organized few expert lectures to expose the students of Mechanical engineering to new methodology adopted.

MESA INAGURAL CEREMONY 2019



Faculty and Students in the inaugural session of MESA 2019-20 on 30 July, 2019

Professional Activities

| S. No | Name of the Event | Organized Under | Resource Person/Judges | Date(s) | No. of participants |
|-------|-------------------------------|---|--|---------------------------|-----------------------------|
| 1. | Spacecraft Design | Jointly organized ISTE and MESA KITS WARANGAL | Sri Sunny Kabrawala, CEO, Star Lab Surat | 24-25 October, 2019 | 107 |
| 2. | Technical Paper Presentations | Jointly organized ISTE and MESA KITS WARANGAL | Sri. P. S. S. Murthy Sri. MD Sameer Sri Abhay B. Lingayat- Smt. P. Anitha | 26 October, 2019 | 28 (17 ISTE + 11 others) |
| 3. | Sand Cruiser | Jointly organized ISTE and MESA KITS WARANGAL | Sri. J. Laxman Sri A. Hari Kumar Sri. S. Sripathy Ms. P.Divya Sri P. Rajesh | 26 October, 2019 | 35 |
| 4. | Royal Rumble | Jointly organized ISTE and MESA KITS WARANGAL | Sri. S. Chandramouli Sri K. Kishor Kumar Sri. B. Ravi kumar Sri. V. Rakesh Sri V. Rajesh | 26 October, 2019 | 34 |
| 5. | Khel Kabaddi | Jointly organized ISTE and MESA KITS WARANGAL | Dr. G. Srinivasa Rao Sri G. Srinu Sri. P. Anil Kumar Sri P. Sreedhar Dr. E. Ramesh | 26 October, 2019 | 21 |

| | | | | | |
|----|-------------|---|--|------------------------|----|
| 6. | Udaan | Jointly organized ISTE and MESA KITS WARANGAL | Sri Ch. Karunakar Dr. G. Sai Kumar Sri V. Prasanna Ms. V. Laxmi Priyanka Ms. A.Keerthi Chandra | 26 October, 2019 | 36 |
| 7. | Mech Master | Jointly organized ISTE and MESA KITS WARANGAL | Sri. S. Ramesh Sri V. Srikanth Sri D. Sammaiah Ms. G. Sumitra Sri V. Pradeep | 26 October, 2019 | 23 |

SPACECRAFT DESIGN- WORKSHOP

Pre symposium workshop on Spacecraft Design was organized by Department of Mechanical Engineering in association with ISTE-KITSW chapter during 24 - 25 October, 2019. Mr. Sunny Kabrawala, CEO, Star Lab Surat was the resource person for this program. A total of 107 students attended the workshop.

Mr. Sunny Kabrawala along with his team has delivered a lecture to students on Spacecraft its design & its applications. At the end of the workshop, certificates were given to all the registered participants.



Inaugural session of Spacecraft Design workshop on 24 October, 2019



During workshop session interaction to the students by Mr. Sunny Kabrawala, CEO, Star Lab Surat



Space Craft Launch as a part of Pre symposium workshop on Spacecraft Design on 25 October, 2019 at Play fields KITSW

The following events were conducted as a part of National Technical Level Fest Symposium Sumshodhini 19 organized by the Mechanical Engineering Student Association (MESA) and ISTE Student Chapter, KITSW during 26 October, 2019.

- | | |
|---------------------------------|-----------------|
| 1) Technical Paper Presentation | 4) Khel Kabaddi |
| 2) Sand Cruiser | 5) Udaan |
| 3) Royal Rumble | 6) Mech Master |

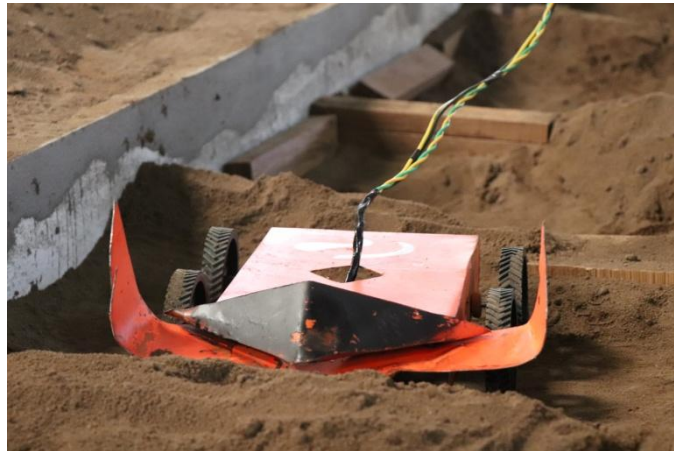
Technical Paper Presentations:

Two Eight students were participated during this event. At the end of the event, certificates and prizes given to all the registered participants.



Sand Cruiser:

Thirty Five students were participated during this event. At the end of the event, certificates and prizes given to all the registered participants.



Royal Rumble:

Thirty Four students were participated for this event. At the end of the event, certificates and prizes given to all the registered participants.



Khel Kabaddi:

Two One students were participated during this event. At the end of the event, certificates and prizes given to all the registered participants.



Udaan:

Thirty Six students were participated during this event. At the end of the event, certificates and prizes given to all the registered participants.



Mech Master:

Twenty Three students were participated during this event. At the end of the event, certificates and prizes given to all the registered participants.

