



**Sir M. Visvesvaraya Institute of Technology
Student Section**

ASME - SIR MVIT STUDENT SECTION

OFFICE BEARERS - 2020/21

Student Section Advisor

*Dr K S Shanmukharadhya
Professor and Head
Department of Mechanical Engineering,
Sir M Visvesvaraya Institute of Technology
Bengaluru - 562 157
ASME Membership Number - 000103201599*

Student Office Bearers

Position	Name	ASME Membership No.	USN
Chair	Indraneel Das	000103234968	1MV17ME028
Vice Chair	Shreyas GK	000103234983	1MV17ME071
Secretary	Tarun R	000103235024	1MV17ME082
Treasurer	Rishi Kumar Pandey	000103235025	1MV17ME059
Liaison	Shivakumar H D	000103235068	1MV17ME066

About ASME

The American Society of Mechanical Engineers (ASME) promotes the art, science & practice of multidisciplinary engineering and allied sciences around the globe. ASME is a not-for-profit membership organization that enables collaboration, knowledge sharing, career enrichment, and skill development across all engineering disciplines, toward a goal of helping the global engineering community develop solutions to benefit lives and livelihoods. Founded in 1880 by a small group of leading industrialists, ASME has grown through the decades to include more than 100,000 members in 140+ countries.

About ASME Sir MVIT Student Section


No. of Members – 42

The student section of Sir M Visvesvaraya Institute of Technology was formed on 4th May 2020. The role of a student section is to organise and provide various activities of technical content and professional and personal value such as:

- Technical presentations.
- Skill development activities.
- Engineering and technical competitions.
- Volunteer and community services.
- Internship opportunities.
- Scholarship opportunities.
- Assisting in the transition from student to professional life.

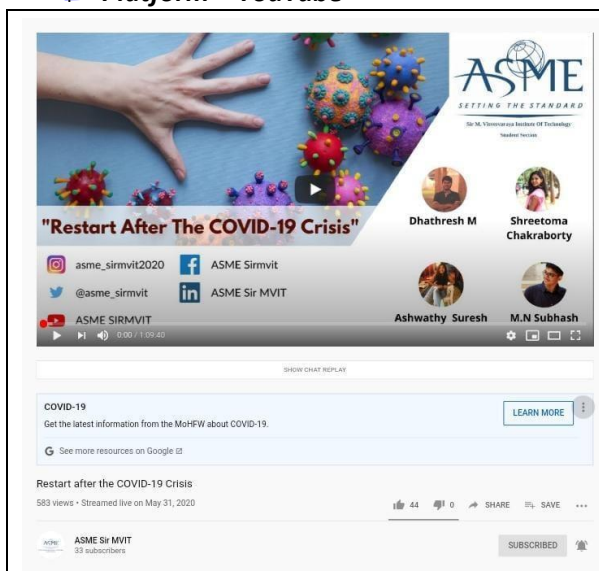
EVENTS ORGANISED:


1) E-Conference on “Restart After the COVID-19 Crisis”


 **Date – 31st May 2020**


 **No. of Viewers - 583**

 **Platform – YouTube**



 The speakers had to present their ideas in the form of a short 15 minutes talk and be prepared for questions from the attendees.

 The idea behind this was to discuss ideas in order to accept and adapt to the “new normal” in the wake of the current COVID-19 crisis.

 The speakers addressed this issue from a medical, technical, social and economical standpoint. The speakers’ registration was open to all students and faculty of Sir MVIT.

Speakers:

- **Dhathresh M**
3rd Year, Mechanical
Topic: Tech in the Wake of COVID-19
- **Shreetoma Chakraborty**
4th Year, Biotechnology
Topic: Medical Research post COVID-19
- **Malladi Naga Subhash**
2nd Year, Electronics & Communication
Topic: Steps Towards the New Horizon
- **Ashwathy Suresh**
3rd Year, Information Science and Engineering
Topic: Impact, Consequences and Aftermath of COVID-19

2) Webinar on "My Journey from 63 Rejections to Building India's First Company to Win a CES Best of Innovation Award"

- ✚ By Kaushik Mudda, Co-founder & CEO of Ethereal Machines
- ✚ Date – 20th June 2020
- ✚ No. of Registrations - 262
- ✚ Platform – Google Meet






ASME Sir MVIT
Presents

Webinar on

"My Journey
From 63 Rejections to Building
India's First Company To Win a
CES Best of Innovation Award"

About Speaker

- Ethereal Machines - Developers of World's First 5D Printer.
- First Indian company to win Best of Innovation @ CES - 2018.
- Featured on Forbes 30 Under 30 Asia & MIT Under 35.
- Author of book "63 Rejections - The Fight to Break Even" sold internationally.
- Leading the fight against COVID-19 using ventilator splitters.

Date : 20th June 2020
Time : 6 pm - 7 pm

For Registration :
https://bit.ly/webinar_kaushik_mudda



KAUSHIK MUDDA

Co-Founder & CEO -
Ethereal Machines

- ✚ The first half of the interaction consisted of a talk given by the speaker in which a basic insight was given about the company, what are the roles in the company, what products are manufactured.
- ✚ The next half was a conversation between a moderator from the section & the speaker. In this discussion, major questions about various aspects of the company like business, technical & entrepreneurial elements were addressed. This was a very informative discussion & the attendees gained a lot of knowledge on various factors on how to become an entrepreneur.
- ✚ This was followed by a question & answer session in which the attendees posed question & the speaker would provide his valuable opinion & insights.

3) Industry Interaction on “ The Future is Electric” with Ather Energy

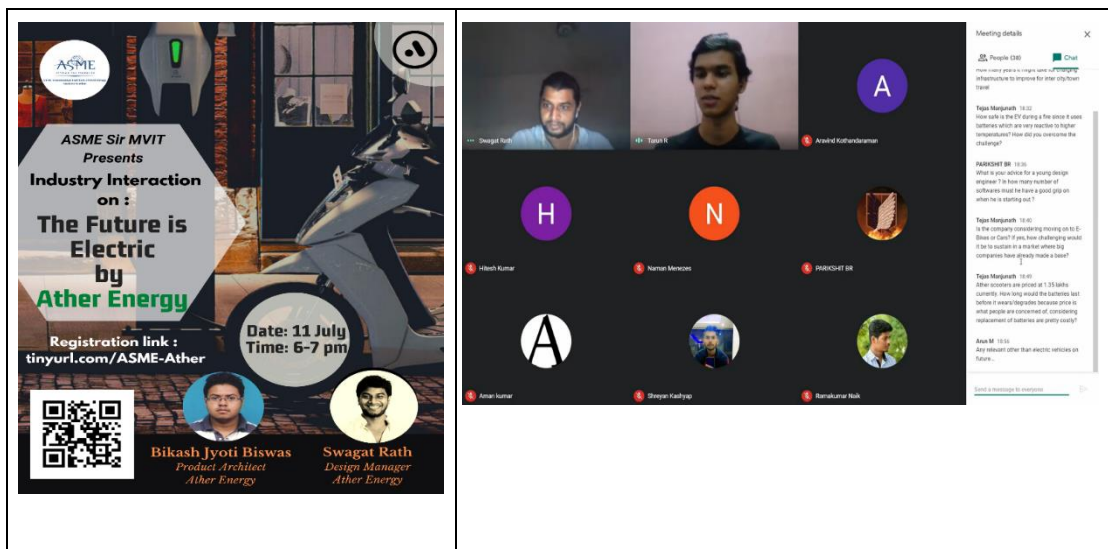
🚩 **Speaker – Swagat Rath, Design Manager – Ather Energy**

🚩 **Date – 11th July 2020**

🚩 **No. of Registrations - 129**

🚩 **Platform – Google Meet**

Ather Energy Pvt. Ltd. is an Indian electric vehicle company founded by Tarun Mehta and Swapnil Jain in 2013. It manufactures the electric scooter Ather 450 and the Ather 450X. It has also established an electric vehicle charging infrastructure Ather Grid.



Important points discussed in the interaction :

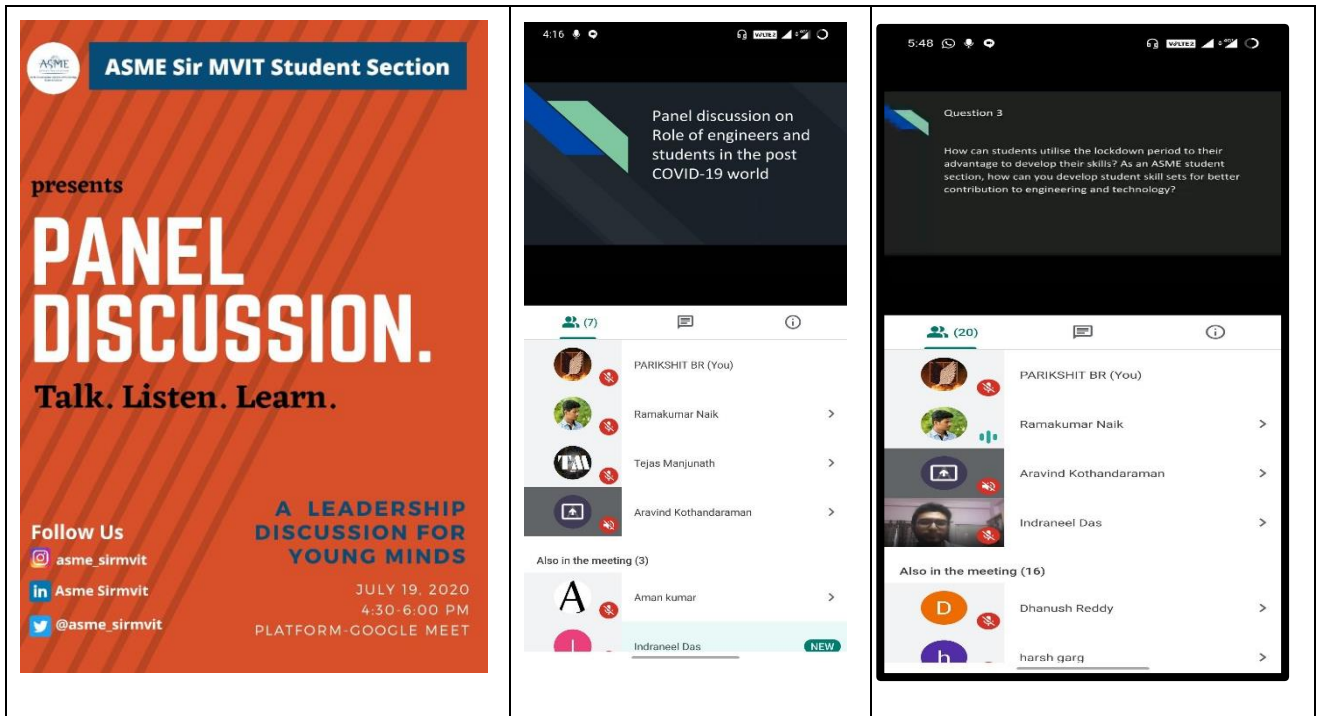
- We discussed Swagat's journey & what a design manager does at Ather. We also discussed the transition from IC engine powered vehicles to electric vehicles.
- We also discussed what goes into design and development of an Ather vehicle and possibilities of setting up wireless charging in India.
- The specialities of scooter's BMS and motor controller, comparison of IC engine vehicles and electric vehicles in terms of power, torque.
- The tests that are run on the vehicle & the concept of fast charging & it's effective implementation.
- A deeper insight was given on the Ather Grid project. We also discussed what stands out in Ather compared to other electric scooter brands.
- The work environment in Ather and future of Ather.
- The effect of the pandemic on Ather and experience of working from home. The relations between different countries affecting abilities of manufacturing.

4) Panel Discussion on “Role of Engineers & Students in the Post COVID-19 World”.

📅 *Date – 19th & 20th July 2020*

👥 *No. of Panelists – 17*

📍 *Platform – Google Meet*



- After the panel discussion collaboration with 7 other reputed ASME Student Sections across the country, ASME Sir MVIT had decided to have our own panel discussion.
- The motive behind this discussion was to provide a platform for section members to improve on their soft skills and also gain knowledge on topics that are the most relevant in today’s world.
- A questionnaire was provided within the theme of the discussion and panelists had to address the topic based on the questionnaire in 3 minutes per question. The questions were:

- I. How will the economy of India and other countries be affected by banning chinese products? How can Indian manufacturers be self dependent (Make in India and Aatmanirbhar) by designing and manufacturing globally competent products? As an ASME student section, how can you contribute towards self dependency of your country's manufacturing problem?
 - II. How has COVID-19 impacted backward sections of our society? What measures can be taken in order to improve their situation in the future?
 - III. How can students utilise the lockdown period to their advantage to develop their skills? As an ASME Student Section, how can you develop student skill sets for better contribution to engineering and technology ?
 - IV. What do you think could have been done better to prevent the rapid spread of the disease? How have other major countries fared during this pandemic?
- The panelists raised hugely impressive and innovative points throughout the event and the event was a grand success.

The winners of the event were :

- 1) **Best Panelist - Sri Sai P Reddy (7th Sem – Mechanical)**
- 2) **Most Innovative Panelist - Mustafa Trumboo (5th Sem – Mechanical)**
- 3) **Honourable mentions - Parikshit BR and Harsh Garg (5th Sem – Mechanical)**

5) DICE (Design in Constrained Environment) event on designing a practical work from home station within a space constraint.

🚩 *Date: 25th August - 30th August 2020*

🚩 *No. of teams: 12*

🚩 *No. of participants: 18*

	 <p>Presents <i>DICE - Design In Constrained Environment</i></p> <p>Hurry up, Cash prizes to be won!!!</p>  <p>Registration fee : ₹50/team Competition time frame : 25/08/2020 - 30/08/2020 Last date for registration : 25/08/2020</p> <p>The link for registration is in the bio. Scan the QR code to register.</p> 
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- The motive behind this competition was to set up a work from home station with multiple functions and minimum space occupation.
- A brief idea was provided with what has to be equipped in the work from home station. They were:
 - 1. Storage space for papers, files and references.
 - 2. Fitted trash can.
 - 3. Adjustable elevation on the desk or in the chair for laptop use.
 - 4. Fitted adjustable table lamp.
 - 5. Integrated charging port.
 - 6. Glass and (or) holder slots.
 - 7. Integrated table and chair.
- Participants had to strictly follow the design criteria and space constraints (1100*1000)
- All the teams had to prepare a comprehensive report which included a 100-word abstract that gives an overview of the product, Top, side, front and isometric views (Pictures) and the different features of the product along with justification in detail.
- The cash prizes were as follows:
 - ❖ 1st Prize: Cash prize of Rs 700/- and certificate of excellence.
 - ❖ 2nd Prize: Cash Prize of Rs 400/- and certificate of excellence.
 - ❖ 3rd Prize: Certificate of Merit.

All the teams came up with an outstanding design with all the constraints met which made the event a grand success with three winners:

- 🏆 **Winner - Madan M N (Sir MVIT)**
- 🏆 **Runners - Mohammed Rahif (Bangalore Institute of Technology)**
- 🏆 **Merit - Santhosh N - BITS Pilani (Goa), Vinay J (BMSIT)**


6) Treasurer Election on 4th October 2020

- **Dhanush N Reddy** from ASME Student section was elected as Treasurer for the year 2020-2021.

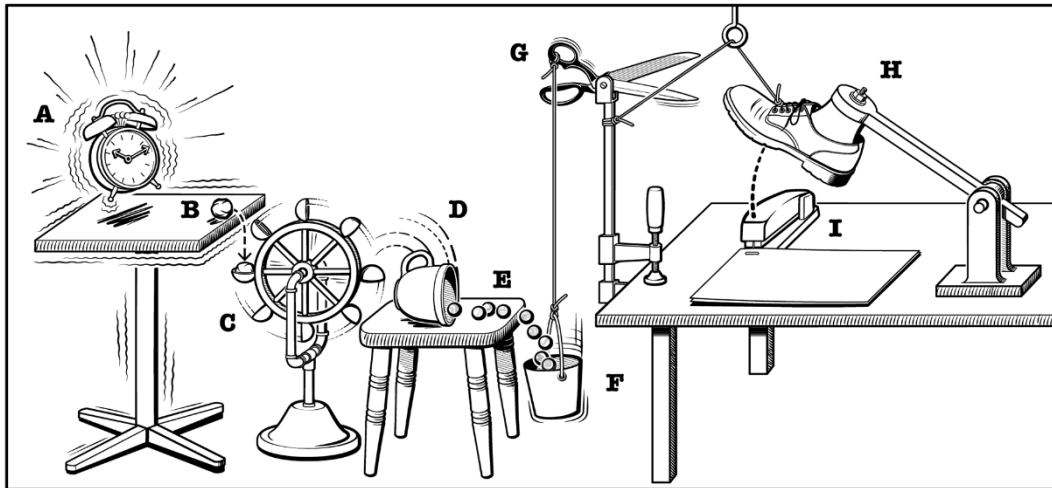
Position	NAME	Membership ID	USN
Treasurer	Dhanush N Reddy	000103386297	1MV19ME016

7) RUBE GOLDBERG (A week of endless creativity) an open event for enthusiastic participants from all the age groups

 **Date: 18th October - 25th October 2020**

 **No. of teams:**

 **No. of Participants:**



ASME SIR MVIT & ASME UPES
In Collaboration with U&I present

Rube Goldberg
A week of
endless creativity

Prize Money worth ₹2500

Registration fee ₹50

Competition Dates
18th Oct - 25th Oct

All proceedings from the event will be donated to help underprivileged students

This competition is open to everyone!!!

Do you want to know how to contribute? Check the description

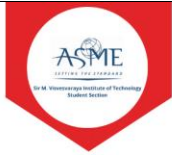
For video scan QR Code

Scan the QR code to register

Last date for registration and submission is 25th October
Link for registration is in bio

- **ASME Sir MVIT and ASME UPES** in collaboration with **U&I** (A reputed NGO who help the underprivileged students) proudly present their next event for a special cause towards making learning accessible to underprivileged students.
- A Rube Goldberg Machine, named after American cartoonist **Rube Goldberg**, is a machine intentionally designed to perform a simple task in a over complicated way
- The competition has been made open to all students of different age groups which enhances out-of-the-box problem fixing skills
- Participants will be given an option either to contribute by just donating for the cause or by just participating in the event.
- All the proceedings will be donated to U&I which will be used for providing educational facilities to underprivileged children.

8) Student Leadership Training Conference 2020



ASME Sir MVIT Student Section



Shreyas G K



Indraneel Das



Shivakumar H D

CONGRATULATIONS!!

For representing our section at the
"ASME Student Leadership Training Conference 2020"

They have been selected from over 200 applicants globally to attend this leadership training conference.

Date: 31st October - 1st November 2020

- Indraneel Das(Chair), Shreyas GK(Vice Chair) and Shivakumar HD(Liaison) were selected to represent the section at "ASME Student Leadership Training Conference" out of 200+ applications worldwide.