

# **TECHNOMECH**

## **NEWS BULLETIN**

**DEPARTMENT OF  
MECHANICAL ENGINEERING**  
(Accredited By NBA)



**MANGALORE INSTITUTE  
OF TECHNOLOGY &  
ENGINEERING**

**INSTITUTE VISION**

"To attain perfection in providing **Globally Competitive Quality Education** to all our Students and also benefit the global community by using our strength in **Research and Development**".

**INSTITUTE MISSION**

"To establish world class educational institutions in their respective domains, which shall be **centers of excellence** in their Stated and Implied sense. To achieve this objective we dedicate ourselves to meet the Challenges of becoming **Visionary and Realistic, Sensitive and Demanding, Innovative and Practical and Theoretical and Pragmatic**; All at the same time".

**DEPT. VISION**

"To develop Technically Competent Mechanical Engineering Professionals and Researchers for the benefit of the society".

**DEPT. MISSION**

- ❖ To provide a well-balanced program of instructions to impart concepts on basics and applied areas of mechanical engineering
- ❖ To provide a state-of-the-art facility for learning, skill development, and research in design and manufacture areas.
- ❖ To encourage the students to excel in the co-curricular and extra-curricular activities to impart social & ethical values and leadership quality.

**Message from Head of the Department**

**Dr. C R Rajashekhar**  
Professor & Head

Since our "TECHNO-MECH" news bulletin remains focused on its core purpose of helping to showcase the departmental activities, it gives me immense pleasure to release this issue. This volume includes the FDP's organized, Technical talks, Industrial visits arranged and Staff & Students contributions, achievements of staff & students and overall academic contributions. I am really looking forward to meeting up with all the set standards and goals put forth by management.

**Index****Department Activities**

MechMites Inauguration  
Technical Talks  
Career Guidance  
FDP's

**Students Achievements**

Awards  
Students Placed  
Technical Events  
Funded Projects

**Faculty Achievements**

Publications  
FDP's attended

**Testimonials**

## DEPARTMENT ACTIVITIES

### MECHMITE'S INAUGURATION-2020-21

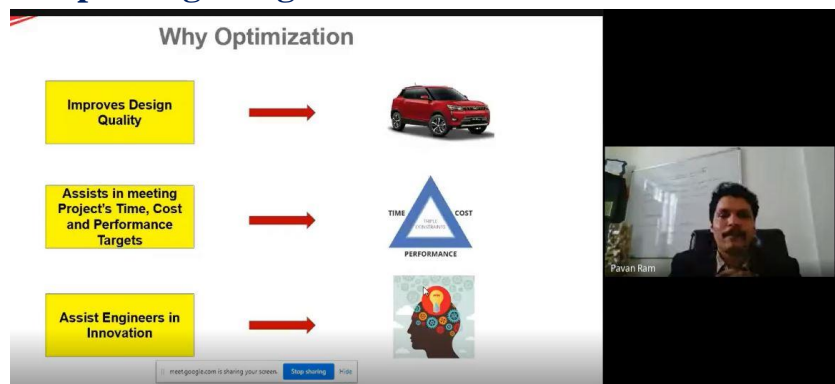


Virtual lighting the lamp (09-10-2020)

The department student association "MECHMITE'S" was inaugurated by Dr. Gunti Ranga Srinivas, Deputy General Manager, Mahendra Research Valley, Mahindra & Mahindra, Chennai on 09<sup>th</sup> October 2020. Chief guest appreciated the department students and faculty members for their achievements in the previous academic year. Also, he motivated and wished the students to do well in the present academic year. Prof. Shivaramu H T, Mechmite staff Coordinator presented the Annual report of 2019-20. Dr. C R Rajashekhar, HoD of the department wished and highlighted the importance of additional courses/ training to be more competitive. Principal Dr. G L Easwara Prasad, highlighted the awards received by the department and encouraged students to carry out innovative projects which are useful for society, and also advised everyone to maintain SOP framed by the Govt. In addition, he wished students and faculty members to perform well in this academic year in his presidential speech.

## TECHNICAL TALKS

### "Multi-disciplinary Design Optimization Based Methodologies for Improving Range of an Electric Powered Vehicle"



Dr. Gunti Ranga Srinivas, delivering a talk (09-10-2020)

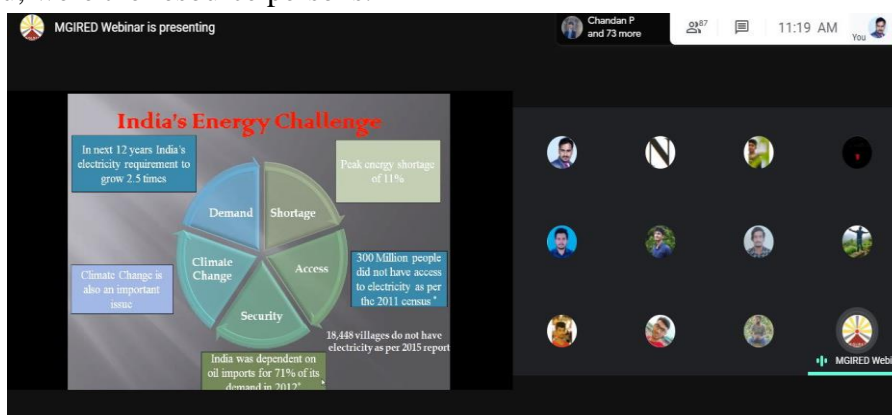
A technical talk on "Multi-disciplinary Design Optimization Based Methodologies for Improving Range of an Electric Powered Vehicle" was organized for the Mechanical



Engineering Students, Faculty members, and Research community on 09<sup>th</sup> October 2020. Dr. Gunti Ranga Srinivas, Deputy General Manager, Mahendra Research Valley, Mahindra & Mahindra, Chennai, was the resource person. He explained in detail on kind of optimization, and Multi-disciplinary Design Optimization (MOD) and its key challenges. He shared his experience and importance on the application of MOD in automotive domains such as suspension design, HVAC system, body/frame/pillar design, vehicle body structure, interior trim design, and piston bowl design. He stressed major challenges in building lightweight vehicles and battery-driven vehicles.

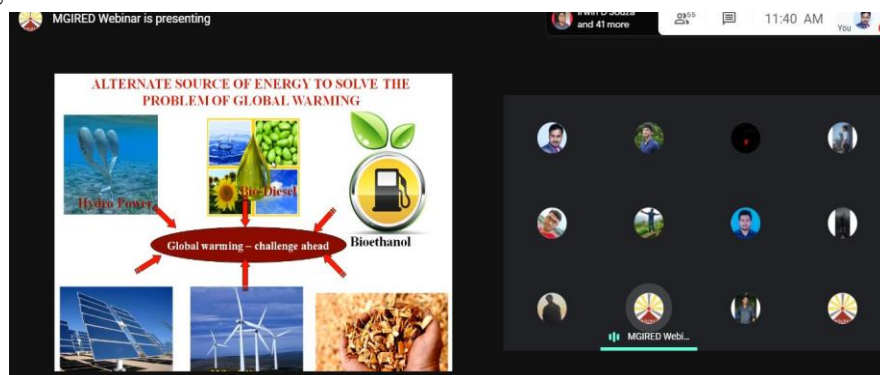
### "Solar Technology/ BioEnergy/ Solid Waste Management/ Rain Water Harvesting"

Department of Mechanical Engineering in association with Mahatma Gandhi Institute of Rural Energy and Development (MGIRED), Govt. of Karnataka, Bangalore has organized a series of talks "Solar Technology/ Bio-Energy/ Solid Waste Management/ Rain Water Harvesting" on 23<sup>rd</sup> and 24<sup>th</sup> December 2020. Smt. Shanthi G, Mr. Manjunath, Mr. Santhosh Kumar, and Mr. Aravind, MGIRED, Govt. of Karnataka, Bengaluru, were the resource persons.



Day 1 - Session 1: **Smt. Shanthi G**, delivering on Solar technology (23-12-2020)

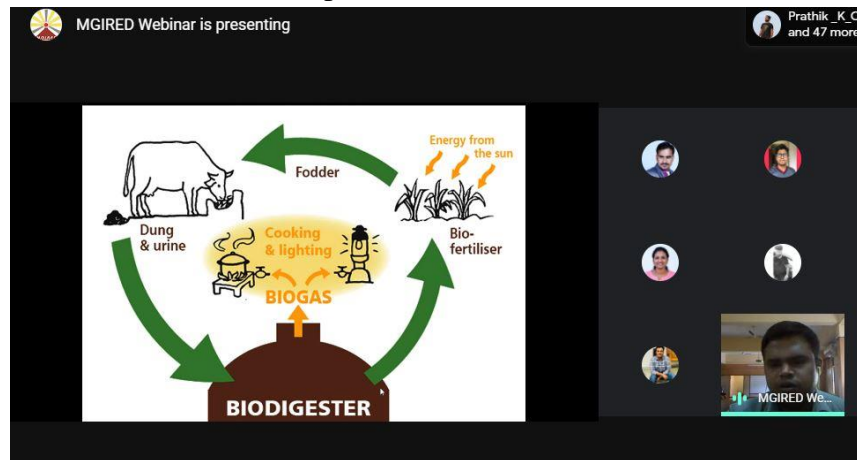
Smt. Shanthi G elaborated on Energy needs, Problems in conventional Energy sources, India Energy Challenges, Capacity of power stations, PV cells/ Solar cells, and CZTS technologies.



Day 1 - Session 2: **Mr. Manjunath**, delivering on Bio-Energy (23-12-2020)

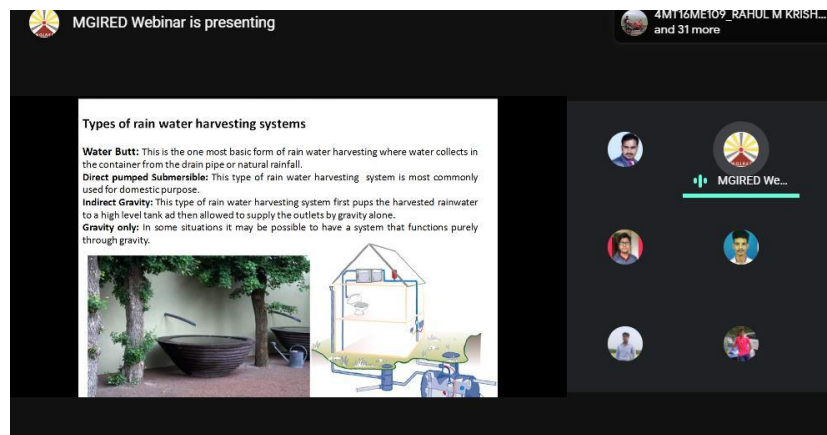


Resource person detailed on Energy consumption in India, Global Warming and challenges ahead, Bio-Ethanol- Transesterification, Bio seeds- plants, Biofuel emission, Bi products of bio-oil and National policies.



Day 2-Session 1: **Mr. Santhosh Kumar**, delivering on Solid Waste Management (24-12-2020)

Resource person explained on Biofuel classification, Biogas- biodigester, Types of waste - Organic/ E-waste/ Plastic waste, Dry and Wet waste and Home Composting techniques.



Day 2 - Session 2: **Mr. Aravind**, delivering on Rainwater Harvesting (24-12-2020)

Resource person elaborated on Reasons for Water scarcity in India, Types of water harvesting systems, and Filtration systems.

### "Research Proposal writing and funding opportunities"

A talk on "Research Proposal writing and Funding opportunities" was organized on 26<sup>th</sup> April 2021 for MITE faculty members. Dr. Mrityunjay Doddamani, Assistant Professor, Department of Mechanical Engineering, NITK, was the resource person. The speaker specified how to write Title, Abstract, Introduction, Methodology, Results & Discussions, Conclusion, Acknowledgement and References in a research article.

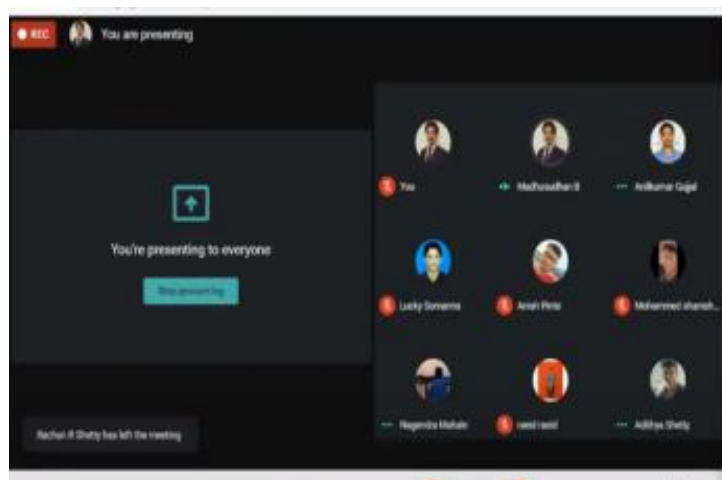


**Dr. Mrityunjay Doddamani**, delivering the talk (26-04-2021)

Also, he discussed various Govt. and private funding agencies and their criteria. He interacted with faculty members and clarified their all queries.

### **"Heat analysis in Lime calcination plant and recent trends in Steel sector"**

A technical talk on "Heat analysis in Lime calcination plant and recent trends in Steel sector" was organized on 14<sup>th</sup> May 2021. Mr. Anil Kumar Gujjal, Assistant Manager, JSW steels, Ltd., Bellary, was the resource person.

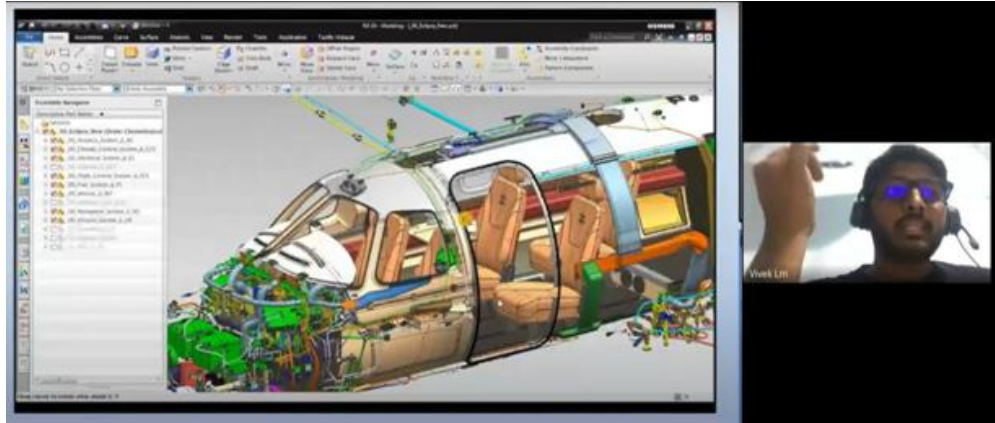


**Mr. Anil Kumar Gujjal**, delivering the talk (14-05-2021)

Mr. Anil started his session by introducing the plant of JSW steels and their growth in recent years, later on, he started to discuss the heat interaction in the lime calcination plant and heat analysis during the lime calcination process. At the session end, he even gave the students the recent trend in the steel sector and discussed the career opportunities of mechanical engineering in the steel sector, and guided the students for the preparations to get into steel industries.

### "Introduction to Unigraphics Tool for Beginners"

A technical talk on "Introduction to Unigraphics Tool for Beginners" was organized on 16<sup>th</sup> May 2021. Mr. Vivek L M, Product Development Engineer, Wabtec Corporation, Mysore was the resource person.

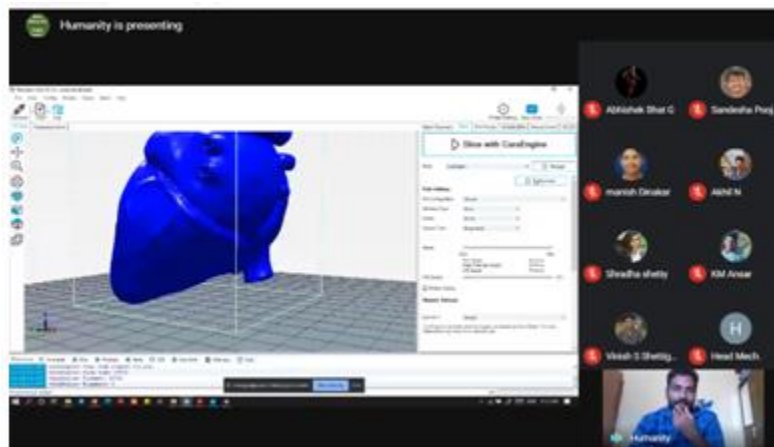


**Mr. Vivek L M**, delivering the technical talk (16-05-2021)

The speaker briefed industrial overview, CAD Software's and Analysis Software's. Further, he enlightens the product lifecycle management, Unigraphics workbenches, and design considerations from client and production perspectives.

### "Challenges and Opportunities in 3D Printing"

A technical talk on "Challenges and Opportunities in 3D printing" was organized on 17<sup>th</sup> May 2021. Mr. Praveen Olekar, Co-founder &CEO, Nixbess was the resource person.



**Mr. Praveen Olekar**, delivering the technical talk (17-05-2021)

The expert briefed about Nixbees Company and elaborated on working of 3D printing/ Additive Manufacturing in detail, Software used to develop and in detail steps of slicing and products manufactured, Applications of 3D printing in all aspects. Also, he highlighted challenges and opportunities in future 3D printing.



### "Low-Cost Model building to Train School students"

A technical talk on "Low-Cost Model building to Train School students" was organized in association with the ISTE-MITE chapter and Agastya Foundation on 19<sup>th</sup> May 2021. Mr. Hoysala, Mr. Hari Prasad, Mr. Kiran Kumar, Mr. Praveen, and Ms. Hema Latha, Instructors, Agastya Foundation, Bangalore were the resource persons.

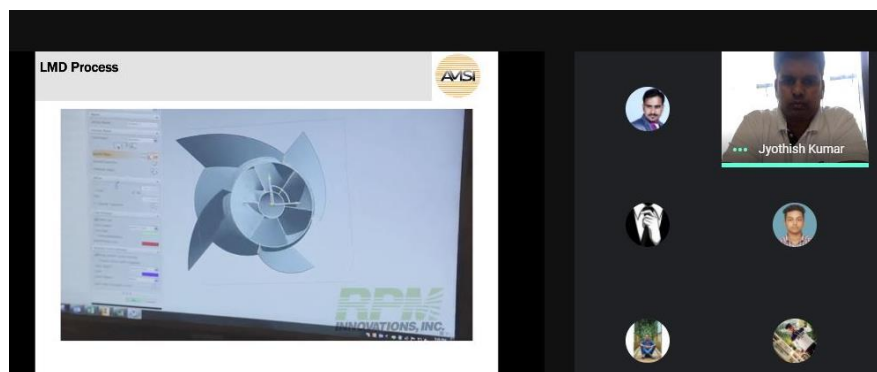


**Mr. Hoysala**, delivering a talk (19-05-2021)

The resource persons guided students on how to build low-cost models for the science concepts such as Sound Centrifugal force, Light, Capture images, Air - weight, Diffraction of light, Image merging, the inertia of forces, and Plant and Animal cell model. Also, they showed how to demonstrate and explain concepts using the model to school students. This session gave a clear idea to carry out the AICTE activity point on helping local students to achieve a good result.

### "Recent Advances in 3D Printing"

A technical talk on "Recent Advances in 3D Printing" was organized on 20<sup>th</sup> May 2021. Dr. L Jyothish Kumar, President - Additive Manufacturing Society of India & Founder & CEO - RAPITECH Solutions Inc. Bangalore, Karnataka, was the resource person.



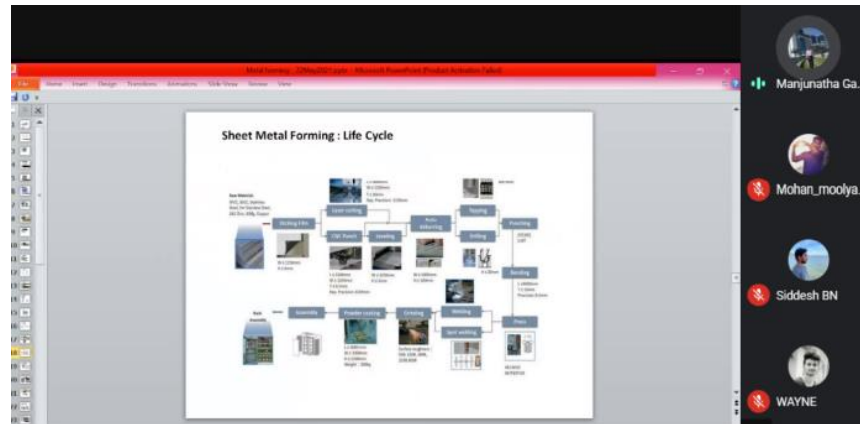
**Dr. L Jyothish Kumar**, delivering a talk (20-05-2021)

The speaker emphasized Additive Manufacturing and its classifications. He highlighted 3D Printing Global Developments and Updates and also 3D printing applications implementation in advanced components/parts/system products such as Jet Engine, Bio-Medical plant, Bionic ears, Kidney, etc. He discussed a case study on the Laser Metal

deposition Process used and its pros and cons. He shared his experience of how airplane axial compress blades are repaired by using additive manufacturing techniques.

### "Advances in Metal Forming"

A technical talk on "Advances in Metal Forming" was organized on 22<sup>nd</sup> May 2021. Mr. Manjunatha Gaviappa, Group Project Manager, HCL, Bangalore, Karnataka, was the resource person.



**Mr. Manjunatha Gaviappa**, delivering a talk (22-05-2021)

Mr. Manjunatha G started his session by introducing Advances in Metal Forming; Dies and its types, Sheet Metal Forming-Life cycle, Sheet Bending; Electro-forming, Metal Injection molding (MIM), Hydro-forming, Laser-forming; Sheet metal operation, Press operation. The speaker presented a video of How Sheet metal operations were done in his Industry.

### "New Product Development & It's Optimization"

A technical talk on "New Product Development & Its Optimization" was organized on 08<sup>th</sup> June 2021. Mr. Balachandra Shastri, R&D Engineer, and Asst. Technical Product Lead, Mukunda Foods Pvt. Ltd. Bangalore, was the resource person.



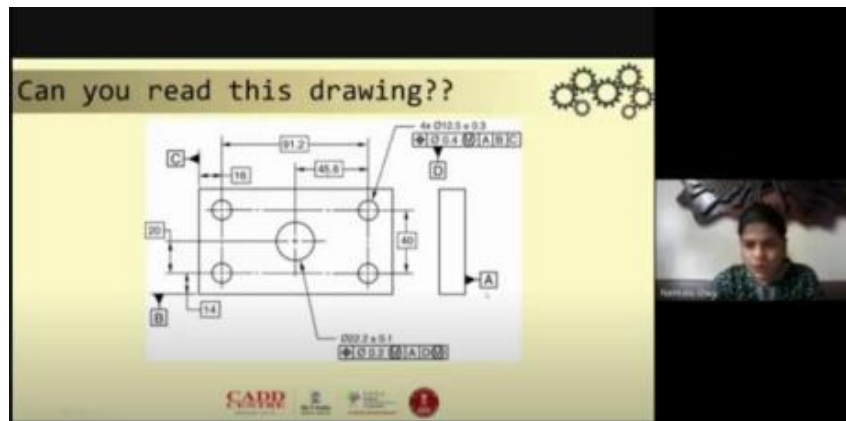
**Mr. Balachandra Shastri**, delivering a talk (08-06-2021)

The resource person introduced new product development concepts and explained in detail the stages involved in the same. He explained how any product idea will be turned

into a new product after validating all eight stages of the new product development process. Also, he stressed about production optimization process and steps involved in that by taking kitchen utensils as an example. Further, he briefed about product life cycle management and design thinking.

### "Importance of GD&T in Designing"

A session on "Importance of GD & T in Designing" was conducted for students in association with the CADD center, Moodabidri on 11<sup>th</sup> June 2021. Mrs. Namratha Ghar, Regional Manager- Business Support, CADD Centre Training Services Pvt. Ltd, Mumbai was the speaker.



**Mrs. Namratha Ghar**, delivering a talk (11-06-2021)

As the session began speaker focused more on the basics of GD & T and why it is useful in drawing and analyzing the drawing. As the session progressed speaker gave some of the real-time case studies of GD&T.

### "Experimental approach of Heat Exchanger & Compressor in Industry"

A technical talk on "Experimental approach of Heat Exchanger & Compressor in Industry" was organized on 30<sup>th</sup> June 2021. Mr. S Veeresh Kumar, Sr. Project Engineer, JSW steels, Ltd., Bellary, was the resource person.



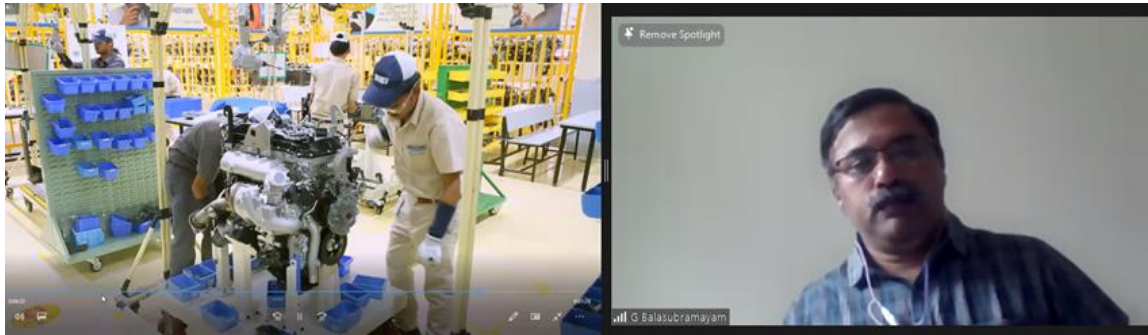
**Mr. S Veeresh Kumar's** - Introduction to the audience (30-06-2021)



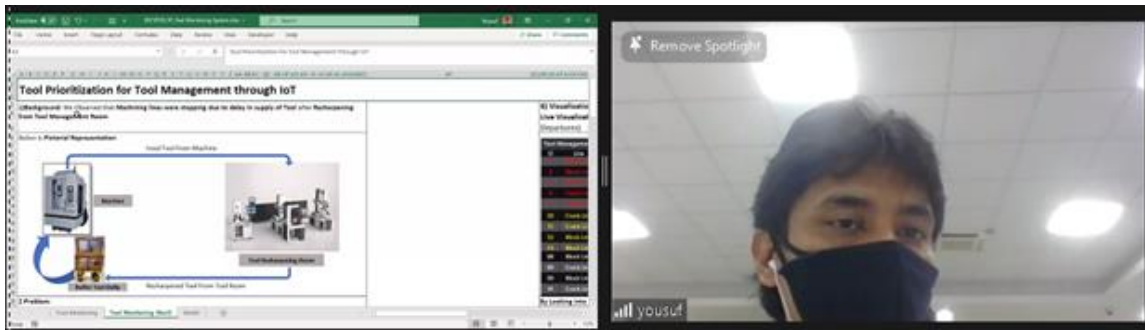
Resource person delivered a talk on the experimental approach of Heat exchangers in industries. Heat exchangers play a vital role in the industry which keeps machinery to work for a long duration and improves products based on the requirement. Hence maintenance of heat exchangers is given high importance in scheduling and planning the activities.

### **"Computer-Aided Manufacturing"**

A technical talk on "Computer-Aided Manufacturing" was organized on 30<sup>th</sup> July 2021. The resource persons were Mr. Balasubramanya, General Manager, Production Department, and Mr. Mohammed Yusuf, Manager, Production Engineer, Toyota Industries Engine India Pvt. Ltd., Bangalore.



**Mr. Balasubramanya**, delivering a talk (30-07-2021)



**Mr. Mohammed Yusuf**, delivering a talk (30-07-2021)

In this session, they explained the Roles of computers & the Evolution of CIM, applications, Benefits, Current Trends & Future of Computer Integrated Manufacturing. Also, they discussed Case Studies on the Internet of Things (IoT) - Improve Predictive Maintenance and Tool prioritization for tool management through IoT.

### **"Automation in Manufacturing Industry"**

A technical talk on "Automation in Manufacturing Industry" was organized on 13<sup>th</sup> August 2021. Mr. Balasubramanya, General Manager, Production Department, Toyota Industries Engine India Pvt. Ltd., Bangalore was the resource person.



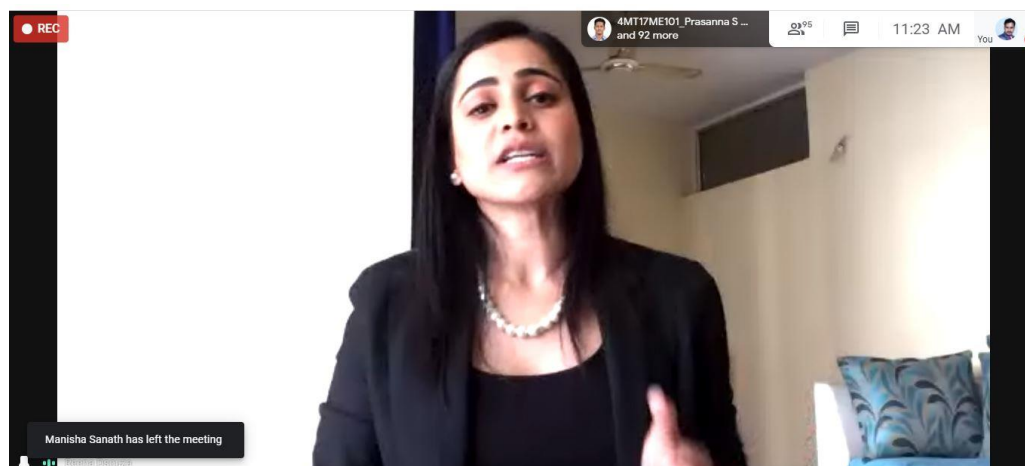
**Mr. Balasubramanya**, delivering a talk (13-08-2021)

He spoke on the Impact of automation on manufacturing on human resource development, ease of doing work, improved productivity, better resource utilization, value enhancement to customers. Also, he detailed on PE - development section.

## CAREER GUIDANCE

### "How to Crack an Interview"

An interactive session on "How to Crack an Interview" was organized for the engineering students on 02<sup>nd</sup> November 2020. MITEian Ms. Reena D'souza, Celebrity Anchor/ Event MC, India was the resource person.



**Ms. Reena D'souza**, delivering a talk (02-11-2020)

Ms. Reena D'souza engaged session on effective communication, and how to crack an interview. She motivated students to how to prepare themselves before going for an interview. She addressed key important points like how to be in the present situation, be real, and connect with the panel members, good seller, aesthetics, and attire. She guided students on how to understand the audience, how to be comfortable, be fluent, and unique. Also gave tips on how to do homework, focus on content, accept gracefully, and work on weaknesses, and improve communication skills.

### "EAP: Story of Blackfrog Technologies"

A session on "Entrepreneurship Awareness Program - Story of Blackfrog Technologies" was organized in association with Entrepreneurship Development Cell, on 04<sup>th</sup> Dec. 2020. Mr. Donson D'Souza, CEO, Blackfrog Technologies Ltd. Udipi, Karnataka, India was the resource person.



**Mr. Donson D'Souza**, delivering a session (04-12-2020)

Mr. Donson spoke about the challenges of being an entrepreneur and how it fuels their journey and helps life not to be monotonous, unlike the ones who opted for a job. The interactive session had Mr. D'Souza talk about building the right team, hiring the right people, starting on your own. He spoke about times when as an entrepreneur he wanted to give up, how he rose above the odds and dealt with family pressure being a first-generation entrepreneur. Donson urged students to keep their passion alive and follow dreams for the journey isn't easy but would be very satisfying.

### "EAP: From graduate to an Entrepreneur"

A session on "Entrepreneurship Awareness Program - From Graduate to an Entrepreneur" was organized in association with Entrepreneurship Development Cell, on 05<sup>th</sup> Dec. 2020. Mr. Prajwal Acharya, Director, SKF Boilers & Driers Pvt. Ltd., Bannadaka, Moodbidri, D.K., was the resource person.



**Mr. Prajwal Acharya**, delivering a session (05-12-2020)

Mr. Prajwal spoke about the shift from being a student to an entrepreneur. He spoke about the need for entrepreneurs to have an out-of-the-box thought process, thorough



knowledge of what one wants to do and the need for building the right team. Human resource management is the most important factor and would indeed lead to the success of a startup he added. Startups also need to revamp and reinstate themselves with changing times and technologies to sustain and make themselves relevant he said.

### **"How to become an Entrepreneur with zero investment"**

A talk on "How to become an Entrepreneur with zero investment" was organized for the Mechanical Engineering students on 17<sup>th</sup> December 2020. Mr. Thungaraju G D, Founder - TIECEE, Co-Founder- People Mechanics, Bangalore was the resource person. Mr. Thungaraju G D highlighted about fresh graduates' salary expectation is high irrespective of their knowledge and industry expecting hard work, dedication, adds on skills/flexibility from the graduates. He specified the advantages of joining small-scale industry means can gain knowledge in Marketing, Purchase, Design and Drawing, Manufacturability, Customer satisfaction, Time Management, Finance, workers allocation, and management, etc.



**Mr. Thungaraju G D, delivering a talk (17-12-2020)**

It will be more useful to develop in the profession and with all departments; the experience can start a micro-scale industry. He pointed what are all the hurdles that will appear for an entrepreneur and how to overcome them. He motivated students to become job providers instead of job seeking. He explained skills required for entrepreneurship and how to a selection of fields, Investments, Market survey, How to pitch idea/concept, how to approach investor, Managerial skills (people, time, money) Leadership skills, and Personality Development.

### **"Emerging Areas of Mechanical Engineering"**

A session on "Emerging Areas of Mechanical Engineering" was organized for the Mechanical Engineering students on 18<sup>th</sup> May 2021. Our proud Alumni Mr. Ashrith, Senior Manager, Engineering and Operations, Rajamane Innovations, Bangalore, was the resource person. The speaker focused on the latest trends in mechanical engineering like advanced technologies to assist the driver (ADAS), collaborative robot (COBOTS), High-speed machining, Biomimetic, and many more. He has also spoken about the latest

trends of mechanical engineering such as 4D printing, Driverless cars, Industrial IOT in mechanical Engg. etc.



**Mr. Ashrith**, delivering a session (18-05-2021)

Then he said that India is changing into a “Manufacturing Hub” within a year and there are tremendous opportunities for budding engineers.

### **"Skill Certification & Job Opportunities for Mechanical Engineering Students in GCC Countries"**

A talk on "Skill Certification & Job Opportunities for Mechanical Engineering Students in GCC Countries" was organized for the Mechanical Engineering students on 03<sup>rd</sup> July 2021. Mr. Sinan Ismail, Sales and Logistics Lead, Skoda auto India, Mangalore Division, was the resource person.



#### **Department of Mechanical Engineering**

Webinar  
on

### **"Skill Certification & Job Opportunities for Mechanical Engineering Students in GCC Countries"**

**Mr. Sinan Ismail**

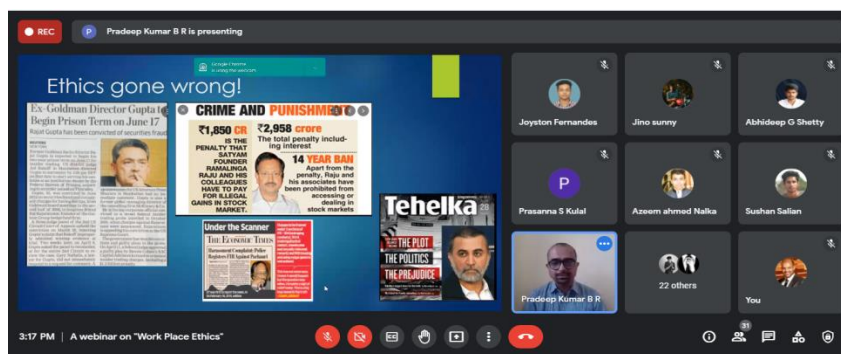
Sales and Logistics Lead in Skoda  
auto India (Mangalore division)

Welcoming **Mr. Sinan Ismail** (03-07-2021)

He explained about GCC Countries, Job Opportunities in GCC Countries, and Skill Certification in various software and modern tools required entering GCC Countries.

### **"Work Place Ethics"**

A session on "Work Place Ethics" was organized for the Mechanical Engineering students on 06<sup>th</sup> July 2021. Mr. Pradeep Kumar B R, Sr. Assistant Professor, Department of Master of Business Administration, MITE was the resource person.

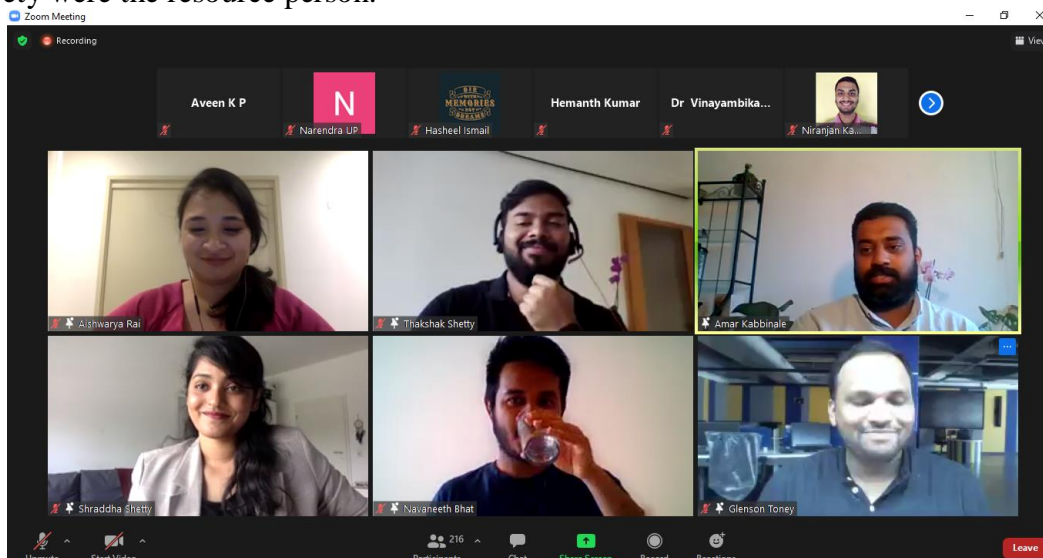


**Mr. Pradeep Kumar B R, delivering a session (06-07-2021)**

In his lecture, stressed that workplace ethics refers to the way employees in an organization govern themselves and their overall work attitude, but it can also refer to the morality, or lack thereof, permeating a workplace. The students gained knowledge on the way a company operates and is perceived by both the public and competitors often comes down to workplace ethics. A truly ethical workplace should model ethical behavior from the top down, and from the inside out.

### **"Global opportunities - Study Abroad"**

An interactive session on "Global opportunities - Study Abroad" was organized for the Mechanical Engineering students on 24<sup>th</sup> July 2021. An alumnus of MITE Mr. Takshak Shetty, Ms. Aishwarya Rai, Mr. Amar Kabbinala. Mr. Navaneeth Bhat & Ms. Shradha Sheety were the resource person.



**Speakers interacted with students (24-07-2021)**

They shared their experiences like how they chose specialization, university, and country to do masters. They highlighted the importance of master's, scope for research, and job opportunities, in Slovakia, the Netherland, etc. In this session, students asked their questions and clarified them from the speakers.



## FACULTY DEVELOPMENT PROGRAMS (FDP)

Department of Mechanical Engineering organized 5 Day AICTE-ATAL Sponsored FDP  
on **“Sustainability Engineering”**.

07.9.2020	<b>“An overview of Sustainable Technologies”</b> Resource person: <b>Mr. Deva P. Seetharam</b> Founder, Data Glen Technologies, Bangalore	<b>“Health and Happiness”</b> Resource person: <b>Sanadana Das,</b> ISKON	<b>“Product Prototypes in Renewable Energy Systems and Sustainability”</b> Resource person: <b>Mr. Ganesh Shankar,</b> FluxGen Engineering Technologies, Bangalore.
08.9.2020	<b>“Solar Thermal Energy Systems”</b> Resource person: <b>Dr.Dhiraj Patil,</b> Professor, IIT, Dharwad, Karnataka	<b>“Thermal Management of Photovoltaic Modules; recent advances in Parabolic trough collector”</b> Resource person: <b>Dr. Arunachal U C,</b> Professor, MIT, Manipal,	<b>“Sustainable Energy Integration in Smart Cities”</b> Resource person <b>Dr. G N Kumar</b> Professor, NITK, Suratkal
09.9.2020	<b>“Design thinking of Conventional and Hybrid Electric Power trains”</b> Resource person: <b>Dr. Poornesh Kumar K</b> Professor, NITK, Suratkal	<b>“Societal Impacts of Ever-increasing Energy Demand”</b> Resource Person: <b>Dr.ShashikanthaKarinka</b> Professor, NMAMIT, Nitte, Karnataka	<b>“Methodologies for Range Optimization of an Electric vehicle for Sustainable Mobility-A Thermal Perspective”.</b> Resource person: <b>Mr. Ravi Ranjan,</b> Lead Engineer, Mahindra Research ValleyTamilnadu,
10.9.2020	<b>“Desiccant based dehumidification techniques for Sustainable Energy Applications”</b> Resource person: <b>Dr. Shivakumar,</b> Professor, MIT, Manipal, Karnataka	<b>“Options for Improving Sustainability in Heating Ventilating Air Conditioning and Refrigeration, HVAC&amp;R”</b> Resource person: <b>Dr.Milind V Rane</b> Institute Chair Professor, Mechanical Engineering Department, IIT Bombay	<b>“Need to Switch to Greener Alternatives in the Energy domain”</b> Resource person: <b>Dr. Shamasundar S</b> Professor, NIE, Mysore, Karnataka
11.9.2020	<b>“Computer Vision Aided Autonomous Navigation System Using Overhead Cameras and Raspberry Pis”</b> Resource Person: <b>Dr. Yong Wang,</b> Professor, Dept. of Systems Science & Industrial Engineering SUNY - Binghamton University, New York.	<b>“Fault identification in Solar farms”</b> Resource person <b>Dr. Gangadharan</b> Professor, NITK, Suratkal	<b>“Bio-inspired flow control technique for wind turbine performance enhancement”</b> Resource person: <b>Dr. Satyabhama</b> Professor, NITK, Suratkal

Department of Mechanical Engineering organized 5 Day AICTE Sponsored FDP on  
**“Sustainable Energy Solutions in Solar Energy Applications”**

23.11.2020	<b>"Solar Resource Estimates"</b>  <b>Speaker:</b> Dr. J K Naik Professor Emeritus, IITB,	<b>"Solar concentrators design and applications for industrial process heat"</b>  <b>Speaker:</b> Dr S.B Kedare, Professor, IITB	<b>"An Overview of Solar Energy Applications"</b>  <b>Speaker:</b> Prof. Ashok Kundapur, M.Sc., Ph.D., Environment and Energy Pro Activist
24.11.2020	<b>"Role of Renewable energy and Energy conservation in Present scenario"</b>  <b>Speaker:</b> Dinesh Kumar Project Engineer: KREDL Mysore	<b>"An Overview on Solar Energy storage"</b>  <b>Speaker:</b> Sudheer Rajgopalan, Professor, Presidency University, Bangalore	<b>"Heat loss analysis of solar Parabolic dish"</b>  <b>Speaker :</b> Dr Veershetty Gumtapure, NITK, Suratkal
25.11.2020	<b>"Sustainable energy solutions for Solar Industrial Applications"</b>  <b>Speaker:</b> Dr. K Ravikumar Associate Professor, IITD	<b>"Grid tide and Off-Grid Solar PV system for power generation"</b>  <b>Speaker:</b> Dr Shamasundar Professor, NIT, Mysore	<b>"Ultra Supercritical CO2 based Gas turbine Power Plant using concentrated solar Thermal collector"</b>  <b>Speaker:</b> Dr. Ajay Kumar Y, Professor, NITK, Suratkal
26.11.2020	<b>"Thermal Management of photovoltaic modules"</b>  <b>Speaker:</b> Arunachala Umesh Chandavar, Professor, MIT, Manipal	<b>"Fault identification in Solar farms"</b>  <b>Speaker:</b> Dr. Gangadharan Professor, NITK, Suratkal	<b>"An Experimental and Mathematical investigation of optimal tilt angle and effects of reflectors on PV energy production"</b>  <b>Speaker :</b> Dr Shashikanth Karnika, Professor, NMAMIT, Nitte
27.11.2020	<b>"Enhancement of efficiency of solar cells by surface modification techniques"</b>  <b>Speaker:</b> Dr. Ragahvendra Sagar Professor, MITE, Mangalore	<b>"Thermal Energy storage materials"</b>  <b>Speaker:</b> Dr. K Narayana Prabhu	<b>"Issues and challenges in the Concentrating Solar Power System"</b>  <b>Speaker:</b> Dr. Sendhil Kumar Natarajan Assistant Professor, NIT Puducherry

Department of Mechanical Engineering organized 5 Day AICTE Sponsored FDP on

### “Sustainable Solutions in Hybrid Vehicles”

14.12.2020	<b>“An Overview of EV and HEV”</b> Resource person: <b>Dr. Bhim Singh,</b> Professor, IITD	<b>“Importance, Challenges and Recent Technologies in HEV”</b> Resource person: <b>Dr. Arun Kumar V,</b> Professor, MNIT	<b>“Codes &amp; standards for HEV”</b> Resource person: <b>Mr. Ashutosh Singh</b> (EV Engineer, ISIE INDIA)	
15.12.2020	<b>“Essentials of Battery Systems &amp; BMS”</b> Resource person: <b>Mr. Durvankur Raut,</b> EV Expert, Pune	<b>“Electric Machines &amp; Selection of Motor and controller for EV and HEV”</b> Resource person: <b>Mr. ShekharMalani</b> MD - Devise Electronics, Pune	<b>“Thermal Management in EV”</b> Resource person: <b>Mr. Ravi Ranjan,</b> Lead Engineer, Product Development – Automotive Division (AD-PD) Mahindra Research Valley	<b>“Computer Vision Aided Autonomous Navigation System for using Overhead Cameras and Raspberry Pis in Electric vehicles”</b> Resource person: <b>Dr. Yong Wang,</b> Professor Binghamton University (USA)
16.12.2020	<b>“Simulation of Electric Vehicle Using Ricardo”</b> Resource person: <b>Mr. ShikharVerma</b> (EV Engineer, ISIE INDIA)	<b>“Component Sizing and Integration”</b> Resource person: <b>MrDurvankur Raut,</b> EV Expert, Pune	<b>“Fundamentals of Battery pack-Mechanical Design”</b> Resource person: <b>Dr. Koushal Jha,</b> Sr. Project Advisor - IIT Madras	
17.12.2020	<b>“Fundamentals of the Battery pack-Thermal Design”</b> Resource person: <b>Dr. Koushal Jha,</b> Sr. Project Advisor - IIT Madras	<b>“EV Charging Infrastructure”</b> Resource person: <b>Mr. Durvankur Raut,</b> EV Expert, Pune	<b>“EV Analysis &amp; Crash Test Analysis”</b> Resource person: <b>Mr. Ashutosh Singh</b> (EV Engineer, ISIE INDIA)	
18.12.2020	<b>“Energy Management Control Strategie of HEV ”</b> Resource person: <b>Dr. Deepak Paul,</b> Mahindra Research Valley	<b>“Light-weighting of E V using MDO”</b> Resource person: <b>Dr. G R Srinivas,</b> DGM Mahindra Research Valley	 	

**STUDENTS ACHIEVEMENTS****AWARDS****9<sup>th</sup> Rank in 2019-20**

**Mr. KENNY VISHAL** bearing USN: 4MT16ME059 has secured **9<sup>th</sup> Rank** in B. E. Mechanical Engineering in the Visvesvaraya Technological University examinations for the graduating year 2020 with a 9.11 CGPA.

**6<sup>th</sup> prize in State Level Project Competition - ANVESHANA Science  
and Engineering Fair**



Team with Project model

A team comprising of Mr. Chinmay Naik, Mr. Mohammed Saleel, Mr. Azeem Ahmed, Kishan K, has won 6<sup>th</sup> Prize in State level Project Competition ‘ANVESHANA-2021’ sponsored by Agastya International Foundation, in association with Synopsys India Ltd., Bangalore, for their innovative work on “**Smart Crop Rescuer**”. The project work was carried out under the guidance of Mr. Shivaramu H T, Sr. Assistant Professor, Department of Mechanical Engineering.



## INNOVATION 2021

Place	Project Title	Name of the students (USN)	Name of Guide
I	Modeling and Fabrication of Black Pepper Plucking and Separating Machine	Abhishek B Shetty (4MT17ME007)	Mr. Mohan Kumar
		P U Shodhan Shetty (4MT17ME093)	
		Deekshith (4MT17ME035)	
		Abhijith K C (4MT17ME006)	
II	Smart Crop Rescuer	Chinmay Naik (4MT17ME033)	Mr. Shivaramu H T
		Mohammed Saleel (4MT17ME075)	
		Azeem Ahmed (4MT17ME028)	
		Kishan K (4MT17ME057)	

## STUDENTS PLACED

Infosys®



VINISH S  
SHETTIGAR  
4MT17ME163



ADITYA S  
ACHARYA  
4MT17ME011



ABHISHEK B  
SHETTY  
4MT17ME007



NISCHITH U  
4MT17ME088



VINAY  
KISHORE VORA  
4MT17ME162



LANSTON  
FERNANDES  
4MT17ME058



B SANJITH JAIN  
4MT17ME029



CHINMAY N NAIK  
4MT17ME033



MANTHAN G  
SHETTY  
4MT17ME064



MOHAMMED  
JABIR  
4MT17ME070

Autoliv



VAIBHAV V  
GAONKAR  
4MT17ME156



SHIFO A  
JOSHY  
4MT17ME139



VISHAL  
SARVAND  
4MT17ME165



SANDESH  
PALANKAR  
4MT17ME122



MOHAMMED  
SUHEL M S  
4MT17ME078



DIPAYANDEY  
4MT17ME037



SHARATH K  
4MT17ME132



MOHAMMED  
SAHIL  
4MT17ME074



VASANTH S  
4MT17ME157



RUTHVIKA B  
4MT17ME114



ABHISHEK B  
SHETTY  
4MT17ME007



VINAY KISHORE  
VORA  
4MT17ME162



SHETTY  
CHETAN S  
4MT17ME137



AMAN  
4MT17ME021



RAGHAVENDRA  
KULKARNI  
4MT17ME104



TATA CONSULTANCY SERVICES



ABHISHEK B  
SHETTY  
4MT17ME007



NISHANTH  
RAJ J K  
4MT17ME091



ELBON ARVIN  
D'SOUZA  
4MT17ME038



ABHIJITH K C  
4MT17ME006



KIRAN KUMAR  
4MT17ME056

## TECHNICAL EVENTS

## PUBLICATION / CONFERENCES

1. Gagan G Amin and Imaad Salim Shaikh have published a paper entitled "A review on the effects of input parameters & filler composition on delamination during machining of FRP composites", 2214-7853, 2021, Elsevier- Materials Today: Proceedings, [https:// doi. org/10.1016/j.matpr.2021.02.264](https://doi.org/10.1016/j.matpr.2021.02.264)

## PROJECT/POSTER PRESENTATION

1. Chinmay Naik, Mohammed Saleel, Azeem Ahmed, Kishan K have presented the project "Smart Crop Rescuer" in Anveshana 2021 organized by Agastya International Foundation, in association with Synopsys India Ltd, 29<sup>th</sup> March to 2<sup>nd</sup> April 2021.
2. Sampath, Shankrappa, Shashank Wagle, Maneesh have presented the project "Thermal Resisting Safety Helmet" in Anveshana 2021 organized by Agastya International Foundation, in association with Synopsys India Ltd, 29<sup>th</sup> March to 2<sup>nd</sup> April 2021.
3. Chinmay Naik, Mohammed Saleel, Azeem Ahmed, Kishan K have presented the project "Smart Crop Rescuer" in AgriTech Hackathon - organized by AIC-NMAMIT, NITTE incubation center, 6<sup>th</sup> to 8<sup>th</sup> March 2021.

## KSCST SPONSORED PROJECTS: 2020-21

### 1. SOLAR ENERGY ASSISTED WATER PURIFIER FOR DOMESTIC USAGE

**Team Members:** SACHITH (4MT17ME119), NISHAN (4MT17ME089), VEEKSHITH (4MT17ME159), SACHIN (4MT17ME117)

**Guide:** Dr. NEELAKANTHA V L

### 2. MODELLING AND FABRICATION OF BLACK PEPPER PLUCKING AND SEPARATING MACHINE

**Team Members:** ABHISHEK B S (4MT17ME007), P U SHODHAN S (4MT17ME093), DEEKSHITH (4MT17ME035), ABHIJITH K C (4MT17ME006)

**Guide:** Mr. MOHAN KUMAR

### 3. DESIGN AND FABRICATION OF AUTOMATIC KITCHEN WASTE COMPOSTING MACHINE

**Team Members:** SANDESH (4MT18ME407), AKHIL SHETTY (4MT18ME401), PAWAN (4MT18ME404), AKASH (4MT17ME014)

**Guide:** Mr. SHIVARAMU H T

### 4. AUTONOMOUS CONTROL OF COCONUT TREE CLIMBING AND HARVESTING MACHINE

**Team Members:** MOHAMMED SUHEL M S (4MT17ME078), RAGHVENDRA R KULKARNI (4MT17ME104), TAJUDDIN (4MT17ME152)

**Guide:** Mr. AVEEN K P

### 5. DESIGN AND FABRICATION OF VEHICLE DRAWN FERTILIZER FEEDER USING IMAGE PROCESSING SYSTEM

**Team Members:** BHARATH N (4MT17ME030), SHARATH K (4MT17ME132), SHREYAS (4MT17ME141), SUSHANTH V (4MT17ME151)

**Guide:** Mr. GANESH RAJ URS

**6. FRUIT PROTECTOR STICK**

**Team Members:** VASANTH S (4MT17ME157), S CHETAN S (4MT17ME137), DINESH KUMAR (4MT17ME036), S SANKET S (4MT17ME138)

**Guide:** Mr. PURANDARA NAIK

**7. A SMART CROP RESCUER - FROM ANIMALS**

**Team Members:** CHINMAY N (4MT17ME033), MOH. SALEEL (4MT17ME075), AZEEM AHMED (4MT17ME028), KISHAN K (4MT17ME057)

**Guide:** Mr. SHIVARAMU H T

**8. DESIGN AND FABRICATION OF PORTABLE HYDRAULIC TURBINE**

**Team Members:** ANKITH (4MT17ME024), BHUSHAN ALVA (4MT17ME031), NISHANTH K S (4MT17ME090), SHRAVAN H S (4MT17ME140)

**Guide:** Mr. SWAROOP

**9. DESIGN AND DEVELOPMENT OF LOW-COST WATER FILTER FOR RURAL PEOPLE**

**Team Members:** SALEEL (4MT17ME120), FAHEEM REHMAN (4MT17ME039), ANAND A (4MT17ME023), HIMAVALL RAKSHAK (4MT17ME045)

**Guide:** Mr. SRIDHAR D R

**10. WEED KILLING ROBOT**

**Team Members:** GOPAL KRISHNA (4MT17ME042), MOHAMMED SHAMMAS (4MT17ME076), AKASH (4MT17ME015), AKSHAY (4MT16ME167)

**Guide:** Dr. C R RAJASHEKHAR

**11. FABRICATION OF HOLE DIGGING MACHINE**

**Team Members:** MUH. SHAMEEL (4MT15ME083), BHARATH S (4MT14ME027), DHANVITH RAJ (4MT14ME038), MANISH D (4MT14ME072)

**Guide:** Dr. NEELAKANTHA V L

**VTU SPONSORED PROJECTS**

Sl. No.	Title of the Project	Name of the Students	Guide
1.	DESIGN AND FABRICATION OF MULTI-PURPOSE AGRICULTURE MACHINE	1. Manisha S 2. Pradeep Kumar 3. Shradha Shetty 4. Raveesh Prabhu	Mr. Vikranth Kannanth
2.	FIRE EXTINGUISHER USING SOUND WAVES	1. Royson Martis 2. Joyston Fernandes 3. Sidharth K 4. Jino Sunny	Mr. Gautham Shetty



## FACULTY ACHIEVEMENTS

Mr. Shivaramu H T won **1<sup>st</sup> Prize** in the "**Suraksha Safety Quiz**" competition organized by Metallurgical and Materials Engineering Department, National Institute of Technology, Jamshedpur, Jharkhand, during National conference AMPT-2020, 31<sup>st</sup> Oct. - 02<sup>nd</sup> Nov. 2020.

## JOURNAL PUBLICATIONS

1. Kumar K.S. and **Rajashekhar C.R.**, "A Review on Impact of Bio-diesel Fuel on Durability of CI Engines". Advanced Aspects of Engineering Research Vol. 6, 2021. pp.106-110, <https://doi.org/10.9734/BPI/AAER/V6/7642D>
2. Manjunath, N., **C. R. Rajashekhar**, "Forensic Studies on Spent Catalytic Converters to Examine the Effect of Diesel and B100 Pongamia Biodiesel on Emissions", Sustainability 13, no. 19, 2021, <https://doi.org/10.3390/SU131910729>
3. S Reddy, KN Prabhu, **Vignesh Nayak Ullal**, "The effect of nanocoatings on critical heat flux (CHF) under pool boiling conditions", pp. 532-537, Aug. 2021, International Research Journal of Engineering and Technology, <https://doi.org/10.1520/MPC20200199>
4. BV Sunil Kumar, **Neelakantha L V** "Influence of Cryogenic and Corrosive Environment on Fracture Toughness of Aluminium 6082/H-30 Alloy", pp. 1988-1994, Oct. 2020, International Research Journal of Engineering and Technology.
5. BVS Kumar, **Neelakantha L V**, M Lokesha, M Anilas "Experimental Investigation on Mode-I Fracture Toughness of Carbon-Carbon Composites Fabricated by Preformed Yarn Method", pp. 2431-2435, 2021, Elsevier Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2021.01.308>.
6. BV Kumar, **Neelakantha L V**, M Lokesha, SN Kumar " Influence of Oxidation on Fracture Toughness of Carbon-Carbon Composites for High-Temperature Application" 2021, Frattura ed Integrità Strutturale, <https://doi.org/10.3221/IGF-ESIS.tt.uu>
7. BV Kumar, **Neelakantha L V**, M Lokesha, A.O. Surendranathan "Influence of Precracking Techniques on Fracture Toughness of Carbon-Carbon Composites", pp. 137-144, 2021, The International Journal of Integrated Engineering, <https://doi.org/10.30880/ijie.0000.00.00.000>.
8. S Kumar, **Neelakantha L V**, D Kumar, MI Kittur "Mechanical Response of EN24T and EN36 Steels Subjected to Corrosion", pp. 14482 -14490, Volume: 63 Issue: 6, 2020.Solid State Technology.
9. SS Kumar, **Neelakantha L V**, KD Kumar, MI Kittur "Estimation of fracture toughness (KIC) using Charpy impact test for Al6061T6 and Al7075T6 alloys subjected to corrosion", pp. 2414-2420, 2021, Elsevier Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2021.01.298>.

10. **Aveen K P**, Neelakantha L V "A review on the effects of input parameters & filler composition on delamination during machining of FRP composites", pp.2214-7853, 2021, Elsevier - Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2021.02.264>
11. **Mohan Kumar**, Neelakantha L V "Study on Fracture Toughness of Layered Structure for Fail-Safe Design", pp. 4843-4850, Solid State Technology.
12. **Mohan Kumar**, Neelakantha L V, "Fracture Toughness Measurement of Aluminium and Steel Inserted Aluminium Using Numerical Method", pp. 1-6, IOP Conf. Series: Materials Science and Engineering, <https://doi:10.1088/1757-899X/1013/1/012010>.
13. **Mohan Kumar**, Neelakantha L V, Souza HD "Characterization of Aluminium Iron Intermetallic Produced by Stir Casting", pp. 425-427, Int. J. Vehicle Structures & Systems. <https://doi: 10.4273/ijvss.12.4.14>

## CONFERENCES

1. Shivaramu H T has presented a paper entitled "Production of Al/MWCNT Metal Matrix Nanocomposite by Powder Metallurgy Process and Optimization of Dry Sliding Wear Parameters using Design of Experiment", in the National Conference AMPT- 2020 at National Institute of Technology, Jamshedpur from 31/10/2020 to 02/11/2020.
2. Neelakantha L V has presented a paper entitled "Experimental Investigation on Mode-I Fracture Toughness of Carbon-Carbon Composites Fabricated by Preformed Yarn Method" at an international conference held at Nitte on 22<sup>nd</sup> and 23<sup>rd</sup> December 2020.
3. Aveen K P has presented a paper entitled "A review on the effects of input parameters & filler composition on delamination during machining of FRP composites" at an international conference held at NMAMIT, Nitte on 22<sup>nd</sup> and 23<sup>rd</sup> December 2020.
4. Mohan Kumar has presented a paper entitled "Fracture Toughness Measurement of Aluminium and Steel inserted Aluminium using Numerical Method", at an international Conference organized by Presidency University, India & UCSI University, Malaysia.

## FDP/WORKSHOP

1. Mr. Shivaramu H T, attended "Sustainability in Materials, Manufacturing and Logistics: Opportunities and Challenges" 3 Day online workshop from 20<sup>th</sup> to 22<sup>nd</sup> September 2021, SIT, Tumkur, Karnataka.
2. Mr. Shivaramu H T, attended "Advanced Technology for Materials Engineering" One-week online FDP from 19<sup>th</sup> – 24<sup>th</sup> January 2021 from the Discipline of MEMS and Discipline of Physics, IIT Indore.
3. Mr. Shivaramu H T, attended "Kalam program for IP literacy and Awareness week" during 15<sup>th</sup> - 23<sup>rd</sup> Oct. 2020, AICTE, New Delhi

4. Mr. Shivaramu H T, attended "3D Printing & Design", 5 Day online FDP, 05<sup>th</sup> - 09<sup>th</sup> Oct. 2020, AICTE Training And Learning (ATAL) Academy, at UVCE, Bangalore.
5. Mr. Shivaramu H T, attended "Getting Aligned to the Publishing Process- Scopus + Science Direct", Two Day National Open Workshop, 25<sup>th</sup> and 28<sup>th</sup> Sep. 2020, Researcher Academy On Campus, Elsevier
6. Mr. Shivaramu H T, attended the "AgriTech Hackathon" organized by the AIC-NITTE incubation center, 6<sup>th</sup> to 8<sup>th</sup> March 2021.
7. Mr. Shivaramu H T, attended "Sustainability Engineering", 5 Day online FDP, 07 to 11 Sep. 2020, AICTE Training And Learning (ATAL) Academy, at MITE, Moodbidri.
8. Dr. Neelakanta V Londe, attended "Sustainability Engineering", 5 Day online FDP, 07 -11 Sep. 2020, AICTE Training And Learning (ATAL) Academy, at MITE, Moodbidri.
9. Dr. Neelakanta V Londe, attended "Tribology in design and manufacturing", 5 Day online FDP, from 23<sup>rd</sup> to 27<sup>th</sup> Nov. 2020, at IIT Jammu.
10. Mohan Kumar, attended "Sustainability Engineering", 5 Day online FDP, 07-11 Sep 2020, AICTE Training And Learning (ATAL) Academy, at MITE, Moodbidri.
11. Mohan Kumar, attended "COMSOL Multiphysics for Teaching & Research" 2 Day online workshop 1<sup>st</sup> & 2<sup>nd</sup> July 2021, at SJEC Mangalore.
12. Mohan Kumar, attended "Sustainability Engineering" 5 Day online FDP, 22 to 26 Feb. 2021, at Canara Engineering College, Mangalore.
13. Dr. Vignesh Nayak Ullal, attended the "Sustainability Engineering" 2 Day online workshop, 12<sup>th</sup> & 18<sup>th</sup> June 2021, IIT Bombay.
14. Dr. Vignesh Nayak Ullal, attended "Sustainability Engineering" 5 Day online FDP, 07-11 Sep 2020, AICTE Training And Learning (ATAL) Academy, at MITE, Moodbidri.
15. Mr. Sridhar D R, attended "Sustainability Engineering" 5 Day online FDP, 07-11 Sep 2020, AICTE Training And Learning (ATAL) Academy, at MITE, Moodbidri.
16. Mr. Sridhar D R, attended "Tribology in design and manufacturing", 5 Day online FDP, 23<sup>rd</sup> to 27<sup>th</sup> Nov 2020, at IIT Jammu.
17. Mr. Vikranth Kannanth, attended "Sustainability Engineering" 5 Day online FDP, 07-11 Sep 2020, AICTE Training And Learning (ATAL) Academy, at MITE, Moodbidri.
18. Mr. Yajnesha P Shettigar, attended "Sustainability Engineering" 5 Day online FDP, 07-11 Sep 2020, AICTE Training And Learning (ATAL) Academy, at MITE, Moodbidri.
19. Mr. Anudeep Rao P, attended "Sustainability Engineering" 5 Day online FDP, 07-11 Sep 2020, AICTE Training And Learning (ATAL) Academy, at MITE, Moodbidri.
20. Mr. Swaroop, attended "Sustainability Engineering" 5 Day online FDP, 07-11 Sep 2020, AICTE Training And Learning (ATAL) Academy, at MITE, Moodbidri.
21. Mr. Swaroop, attended "Electric Vehicles" 5 Day online FDP, 10<sup>th</sup> to 14<sup>th</sup> Nov 2020, NIT Mizoram.
22. Mr. Ganeshraj Urs, attended "Sustainability Engineering" 5 Day online FDP, 07-11 Sep 2020, AICTE Training And Learning (ATAL) Academy, at MITE, Moodbidri.

23. Mr. Aveen K P, attended "Sustainability Engineering" 5 Day online FDP, 07-11 Sep 2020, AICTE Training And Learning (ATAL) Academy, at MITE, Moodbidri.
24. Mr. Aveen K P, attended "Sustainable solutions in hybrid vehicles" 5 Day online FDP, 14-18 Dec 2020, at MITE, Moodbidri.
25. Mr. Aveen K P, attended "Smart and Sustainable Development in Materials, Manufacturing and Energy Engineering" 2 Day online FDP, 22-23 Dec. 2020, NMAM Institute of Technology.
26. Mr. Aveen K P, attended "Emotional Intelligence" 5 Day online FDP, 07-11 June 2021, National Institute of Technical Teachers Training And Research, Chennai.

## ONLINE COURSES

1. Shivaramu H T, completed Four weeks (Aug. 2021) "Six Sigma Principles" online course, Coursera.
2. Mohan Kumar, completed Seven weeks (Aug. 2021) "Python for Everybody" online course, Coursera.

## Ph.D. Awarded



**Dr. Mohan Kumar**  
USN: 4MT16PMJ05

The Research Scholar Mr. Mohan Kumar who had registered in the R & D center, Department of Mechanical Engineering, MITE received a Ph.D. degree from V T U for the research work on "**Characterization of Fracture Behaviour of Rod Inserted Concentric Tubes of Metallic Materials**" under the guidance of Dr. Neelakantha V Londhe, Professor, Department of Mechanical Engineering.

## Lab Infrastructure



CAED



Machine Shop



Foundry & Forging



Material Testing



Energy Conversion



Heat Transfer





Measurements



Fluid Mechanics



Design

## TESTIMONIALS



5 years back I started my MITE journey a journey where I was blank mind sitting in a classroom with unknowns

wondering how I could spend the 4 years over here. Slowly and gradually I was taken above all circumstances by all my colleagues and my beloved lecturers. It was a journey where I got to know who I am. At this moment where I am Is just because of the knowledge which I have gained from the Institute with all the supporting facilities. MITE is a place where you will get the best facility and support for all your needs. A journey with memories and moral support.

*Mr. Hammad Askiri*  
*Verger Global Pvt. Ltd., New-Delhi*



The only thing that pops into my mind when I think of MITE is 'Holistic Development'. The versatile faculty and the all-around environment here are what every aspiring engineer would crave for!

*Mr. Vishal Kenny*  
*M-Tech, MAHE*



I am thankful to MITE for the quality education I received throughout my years of study and for the fact that the pedagogues

gave us the desire to study and the ability to apply knowledge in practice!. Having said that, the practical life skills always came outside the classroom, I cherish beautiful memories working with Cultural and Magazine committees.

*Mr. Yedu Krishnan G,*  
*Co-Founder/Director,*  
*Tachus Technology Pvt Ltd*



MITE is an awesome place to develop your love for learning.

The faculties make sure that you are competent enough to face the world of competition.

It's a place where you make a lot of friends and memories which you will cherish for the rest of your life.

*Mr. Rajaram Pai*  
*R&D Mechanical Design,*  
*Philips India Ltd.*



MITE Educates students in a very creative way and encourages them to think out of the box.

"Where Stones Turns into Diamond" is not only a slogan but lived reality. The multi-cultural environment that is unique to MITE had provided me with such an experience building an off-road buggy. The college that turned my dream into reality.

*Mr. Ashwin B B  
Mercedes Benz*



A perfect blend of academics and professionalism is what we received from MITE.

It was a great learning experience with the best faculties and infrastructure. An environment that is always challenging and pushing towards improvement. My dept. encouraged me to explore my talent & potential by providing an exceptional integrated learning environment. One can certainly acquire enough skills to be job-ready.

*Mr. Ashith B Poojary,  
Design Engineer- Product Development,  
Bell O Seal Valves Pvt. Ltd.*



Throughout my four years of engineering at MITE I had countless opportunities to develop leadership skills and proactive thinking through various programs, because of which I am improved in many dimensions. The best thing about MITE is its facilities infrastructure, apart from that a student-friendly faculty. A perfect place in all aspects for the next inventor, innovator, scholar, or entrepreneur.

*Ms. Sanmathi S Patil  
Autoliv*



Choosing Mechanical Engineering at MITE was one of the best decisions I've made in my life. MITE has not only given me the academic information I needed but also helped in my overall growth and shaped me into the person I am today. By studying at MITE I was able to further continue my studies in Europe and start a good career.

*Mr. Amar Kabbinala  
Development Engineer,  
WAMAK Heat Pumps, Slovakia*



My college life experience is a part of my life that I will never forget. Luckily, I got admitted here.

On first day of college, seniors welcomed me warmly and then gave me a tour of the whole college and department too. During this tour, I became friends with them. I took part in every college activity and enjoyed it a lot. I have enjoyed my college life a lot, especially college fest, project works and other workshops conducted. I never forget the sacrifice, motivations and help of my lectures. It is important to enjoy college life to its fullest but maintaining a balance between study and fun should also be kept in mind.

*Mr. Davoodulhakeem S H,  
Sr. Executive, HDFC Bank*



Studying at MITE was a unique experience as it provided me with a platform to nurture my skills beyond the scope of academics. By being

a part of various clubs such as Mechmites, Magazine committee and organizing committees of different events at MITE, I was able to hone skills that proved indispensable to my career. My life at MITE was made more memorable with the hands-on experience we got in our labs and everything else that came with being a Mechanical Engineering student.

*Mr. Arjun S  
Strategic Alliances Manager - Zoho One,  
Zoho Corporation*

## EDITORIAL BOARD



Dr. C R Rajashekahar  
HOD & Vice Principal  
Chief Editor



Mr. Shivaramu H T  
Sr. Assistant  
Professor  
Editor



Mr. Akash  
4MT19ME002  
Student Editor



Mr. Radhvik  
4MT17ME096  
Documenter



Mr. Ajith S  
4T18ME007  
Designer







**MITE**



**Invent Solutions**

## **Mangalore Institute of Technology & Engineering (MITE)**

Mijar, Moodbidri, Mangalore, Karnataka. Ph: 08258-262695

E-mail: [info@mite.ac.in](mailto:info@mite.ac.in)



MITEedu

Website: [www.mite.ac.in](http://www.mite.ac.in)

## **Rajalaxmi Education Trust**

Souza Arcade, Balmatta Road, Mangalore, Karnataka.

Ph: 0824-2441581, 2441582

Fax: 0824-2441581

E-mail: [info@ret.ac.in](mailto:info@ret.ac.in)