

Department of Mechanical  
Engineering

**NEWSLETTER**

2019-20

VOLUME - II

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## **Programme Educational Objectives (PEOs)**

### **The graduates will:**

**PEO1. Technical Expertise:** Actively apply technical and professional skills in engineering practices towards the progress of the organization or the entrepreneurial venture in competitive and dynamic environment.

**PEO2. Lifelong Learning:** Own their professional and personal development by continuous learning and apply the learning at work to create new knowledge.

**PEO3. Ethical Knowledge:** Conduct themselves in a responsible, professional and ethical manner supporting sustainable economic development which enhances the quality of life.

### **Programme Outcomes (POs)**

**PO1.** Apply knowledge of basic sciences and engineering concepts to solve complex mechanical engineering problems.

**PO2.** Identify, formulate, and analyze engineering problems using scientific principles and concepts.

**PO3.** Design products, manufacturing processes and facilities that deliver the requirements of the target customers and desired quality functions.

**PO4.** Conduct experiments, analyze and interpret data to provide solutions for engineering problems.

**PO5.** Use appropriate tools and techniques to solve engineering problems.

**PO6.** Apply contextual knowledge to make informed decisions in societal, health, safety, legal, entrepreneurial and cultural issues.

**PO7.** Demonstrate the knowledge of need for sustainable development in providing engineering solutions in global, environmental and societal contexts.

**PO8.** Practice Ethical responsibility.

**PO9.** Work effectively in teams and build/manage interpersonal relationships.

**PO10.** Communicate effectively through oral, non-verbal and written means.

**PO11.** Apply management principles to manage individual and team work for executing projects in a multidisciplinary environment.

**PO12.** Articulate and engage in pursuit of career and life goals through continuous Learning.

### **Program Specific Outcomes PSOs**

**PSO 1:** Demonstrate functional competencies for roles in design, manufacturing and service by learning through centers of excellence and industrial exposure.

**PSO 2:** Demonstrate behavioral competencies required for roles in design, manufacturing and service by learning through structured professional skills training.

## Faculty activities

Mr.C.Selva Senthil Prabhu, Assistant Professor, Mr.S.Gnanakumar ,Assistant Professor, Mr. M.kanakaraj,Teaching Assistant and M.Malayandisami Lab Assistant have conducted IAP training Module I and II from 18-12-2019 to 19-12-20219 and from 06-01-2020 to 11-01-2020 at Janatics Centre of Excellence for Mechatronics and Automation.

Dr.D.Nathan Associate Professor, has participated in Innovation Ambassador training programme conducted at Sri Krishna College of Engineering and Technology, Coimbatore from 06-01-2020 to 07-01-2020.

Dr.I Rajendran, Senior Professor and Head, has participated in training on Placement and Internship on 07-01-2020 at ELGI Equipments, Coimbatore.

Dr. K.Hariharan, AP(SS) has been participated in Teaching learning convention conducted on 24-01-2020 at TVS IQL Bangalore.

STEP (Student Talent Enhancement Program) has been organized jointly with Automobile Engineering, Mechatronics Engineering and Production Engineering on 01-02-2020.



Dr.I Rajendran, Senior Professor and Head, has participated in visit regarding Placement and Internship from 03-02-2020 and 04-02-2020 at Ashok Leyland Technical centre, EDAC Engineering Limited and TAFE (Tractors and Farm Equipments LTD).

Dr.D.Nathan Associate Professor, has participated in workshop on IPR and Patent writing on 10.02.2020 & 11.02.2020 conducted by MCET – IPR Cell.

Dr Rama Thirumurugan, Professor and Dr K Hariharan, AP (SS) have participated Workshop on Internship Design on 26.02.2020 at TVSM, Hosur.

Dr.Rama Thirumurugan, Professor has organized Guest Lecture on Introduction to materials under AICTE INAE DVP Scheme for II year Students of Mechanical, Automobile, Production and Mechatronics Departments from 10.02.2020 to 12.02.2020.

Mr.M.Padmanaban, Assistant Professor has organized Pre workshop on robotic welding and its applications for II year Students of Mechanical, Automobile, Production and Mechatronics Departments from 10.02.2020 to 12.02.2020.





Glimpses of Guest Lectures

### **Student activities**

- Thirty One students from II year have participated in seminar on “Opportunities for Industry 4.0 Applications in Indian Industries” at NIT, Trichy from 03-01-2020 to 04-01-2020.
- Six students from II year have participated in Workshop on E vehicle by ISIE India from 03-01-2020 to 04-01-2020.
- L. Gowtham from final Mech has participated in “I Camp” conducted by Kumaraguru College of Technology Coimbatore from 20-01-2020 to 23-01-2020.
- Thaanush V.S of second year has been one of the participants in Workshop on Hybrid and Electric Vehicle, conducted at MIT, Chennai from 24-01-2020 to 25-01-2020.
- Sangeethraju M, Thukilan A, Mathankumar P, Saravanakkumar and N, Sathishkumar of II year B have participated in a workshop on “Advancement in Braking system” conducted at GCT, Coimbatore. on 22-02-2020.
- S, Sathish. R, S.Akash Kumar, T.Durai Babu and P.Sujith of II year A have participated in a workshop on “The Art of motor bike manufacturing and the dawn of pneumatic

bikes” and workshop on ‘A look in to latest smart tech with Volkswagen Experts” conducted at CIT Coimbatore on 22-02-2020.

- K.Saravanakumar(18BME305) has been participated in 5th Mitsubishi Electric Cup 2020 -project contest conducted on 14-02-2020 and 15-02-2020 by Mitsubishi Electric India (P) Ltd., and won commendable performance award with medals and cash prize worth Rs.10000/-



### Internship Activities

The following students have undergone internship on companies.

S.No.	Roll No.	Name of the Student	Name of the Company	Period	Stipend
1.	16BME098	Balasurya.M		24.2.2020 – 22.3.2020 (1 month)	
2.	16BME032	Kishore Kumar K.S.	L&T EAIC, Coimbatore.	1.1.2020 – 31.1.2020	
3.	16BME086	Nandhakumar.S	Caresoft Global Ltd., Pollachi	18.12.19 – 17.6.20 (6 months)	Rs.5,000/- per month
4.	16BME044	Vinithkumar.R			
5.	16BME067	Ranjithkumar.R			
6.	16BME099	Aravind.C			
7.	16BME110	Thirumalaisamy.T			
8.	16BME022	Nishanth.D	Bull Machines Pvt. Ltd., Coimbatore	10.12.19 – 31.1.2020	
9.	16BME023	Varun Prasad.S			
10.	16BME040	Dharun Eshwar	Steel Fabs, Coimbatore.	06.01.2020 – 21.02.2020 ( 2 months)	

11.	16BME070	Anandhaguru.K	N.M.Narayana Moopnar Son, Rajapalayam.	2.12.19 – 2.2.2020	
12.	16BME073	Arunprasath.S	Ambika Cotton Mills Ltd., Dindigul	27.12.19 – 15.2.2020	
13.	17BME328	Vijay Kumar.M	L&T Defence Ltd., Coimbatore	5.12.19 – 30.4.2020 (5months)	
14.	17BME329	Karthik Ragav K.B. (NFT)	Janatics India Ltd., Coimbatore.	3.2.2020 – 3.4.2020 (4 months)	
15.	16BME068	Dineshkumar M.S.	Madhu's Garage Equipments Ltd., Bangalore	12.2.2020 – 10.6.2020 (4 months)	Rs.10,000/- per month
16.	16BME105	Rahul.R (NFT)			
17.	17BME314	Rangaraj.P (NFT)	Amish Garments, Tiruppur	12.2.2020 - 19.3.2020	
18.	16BME074	Naveenkumar.C (NFT)	Linga Technologies, Coimbatore	12.2.2020 – 12.4.2020	Rs.7,000/- per month
19.	16BME016	Dineshkumar.R		26.2.2020 – 26.4.2020	
20.	16BME035	Hari Vignesh.K (NFT)	Pricol Industries, Coimbatore	14.2.2020 – 19.3.2020	
21.	16BME037	Naveen Thirshatha.K (NFT)	Sharp LicTech Ltd., Coimbatore	17.2.2020 – 18.3.2020	
22.	17BME315	Rokitth.R (NFT)			
23.	16BME075	Mohamed Marzuk.M (NFT)	Radiarc Software Solutions, Chennai	17.2.2020 – 20.3.2020	
24.	16BME014	Rishikeshan.S (NFT)	Sathuragiri Motors, Theni	18.2.2020 – 21.3.2020	
25.	16BME092	Rajasuriya.S			
26.	16BME089	Aditya.R			24.2.2020 – 21.3.2020
27.	16BME116	Vasanth.R (NFT)			Jayam Organics, Coimbatore
28.	16BME024	Munthagir Hassan.S	Star Components Ltd., Coimbatore	1.1.2020 – 20.3.2020	
29.	16BME031	Sri Karan.D (NFT)		21.2.2020	
30.	16BME108	Thiruchelvan.D		21.3.2020	
31.	16BME042	Allwin Joe Samuel.D	Oragle Solutions Pvt.Ltd., Coimbatore	20.1.2020 – 20.2.2020	
32.	16BME089	Aditya.R	Bharat Pump House, Theni	20.1.2020 – 19.2.2020	
33.	16BME072	Premkumar.S	Toolinger India Pvt.Ltd., Coimbatore	17.2.2020 – 17.3.2020	
34.	16BME029	Karthik Kumar.S	Sri Anuraghavi Garments, Vayalur	27.2.2020 – 20.3.2020	
35.	17BME313	Kanagavel.S	Graphler Technologies Ltd., Coimbatore	2.3.2020 – 30.3.2020	
36.	17BME117	Sivaprakash.K			
37.	17BME115	Vinothkumar.S			
38.	17BME060	Kavinraj.M			
39.	17BME033	Muthunagappan.K	L&T Valves Ltd., Coimbatore	3.3.2020 – 3.5.2020	Rs.5,000/- per month
40.	16BME080	Lumin Xavier Felix.S	SELFMADE ECOM Pvt.Ltd., Madurai.	20.11.19 – 29.2.2020 (3 months)	

## Skill Development Courses

The following students have undergone skill development courses/ training

S.No.	Roll No.	Name of the Student	Name of the Company	Period
1	16BME047	Ranjithkumar.K	TCS-PLM (Doing the courses viz. Java, Python, Explore suggested by TCS)	18.11.19 – 17.4.20
2	16BME055	Hemanth V.S.		
3	16BME057	Bharathiraja.R		
4	16BME088	Deepak.M		
5	16BME096	Venkatesh.E		
6	16BME100	Gnanavel.S		
7	16BME104	Ragul.P		
8	16BME107	Anith Priyan C.K.		
9	16BME063	Kuru Prasanth.S	TCS Ninja (Doing the courses viz. Java, Python, Explore suggested by TCS)	18.11.19 – 17.4.20
10	16BME043	Selva Vignesh.R	Infosys	18.11.19 – 18.1.20
11	16BME045	Dinesh Kumar.S		
12	16BME068	Dinesh Kumar.S		
13	16BME072	Premkumar.S		
14	28.2.20	Kishore Kumar K.S.	Undergoing Welding course in MCET-TUV welding center	25.11.19 – 7.12.19
15	16BME038	Harihara Vinayak.B		
16	16BME065	Navi Christin.S	FEXILON Academy, Bangalore. (Master Diploma in Hypermesh and Radioss)	10.12.2019 – 10.2.20 (2 months)
17	16BME039	Nithishkumar.K (NFT)	Hypermesh Course – MCET-Siemens CoE	6.1.20 – 11.1.20
18	16BME045	Dineshkumar M.S.		
19	16BME056	Mathan.A		
20	16BME083	Sulthan Uwais.A	Certificate Course on Occupational Health & Safety at M/s.Safety Professionals, Chennai.	6.1.20 – 18.2.20
21	16BME094	Anand.S	Certificate Course on Software Testing at M/s.Q Spider, Bangalore	9.1.2020 - 9.5.2020
22	16BME051	Rakshan.M	Certificate course in AutoCAD, CREO and Electric Vehicle at CADD Centre, Coimbatore.	16.12.19 – 28.2.20
23	17BME324	Ponnarasan.A.M.	Undergoing Welding course in MCET-TUV welding center	17.2.2020 – 25.2.2020
24	16BME029	Karthik Kumar.S	Diploma in C Programming at CSC Computer Education, Pollachi	24.2.2020 – 22.3.2020
25	16BME040	Dharun Eshwar	NXCAD Course in our MCET-Siemens CoE	3.3.2020 – 20.3.2020
26	16BME070	Anandhaguru.K		
27	16BME056	Mathan.A		

## Industrial Visits

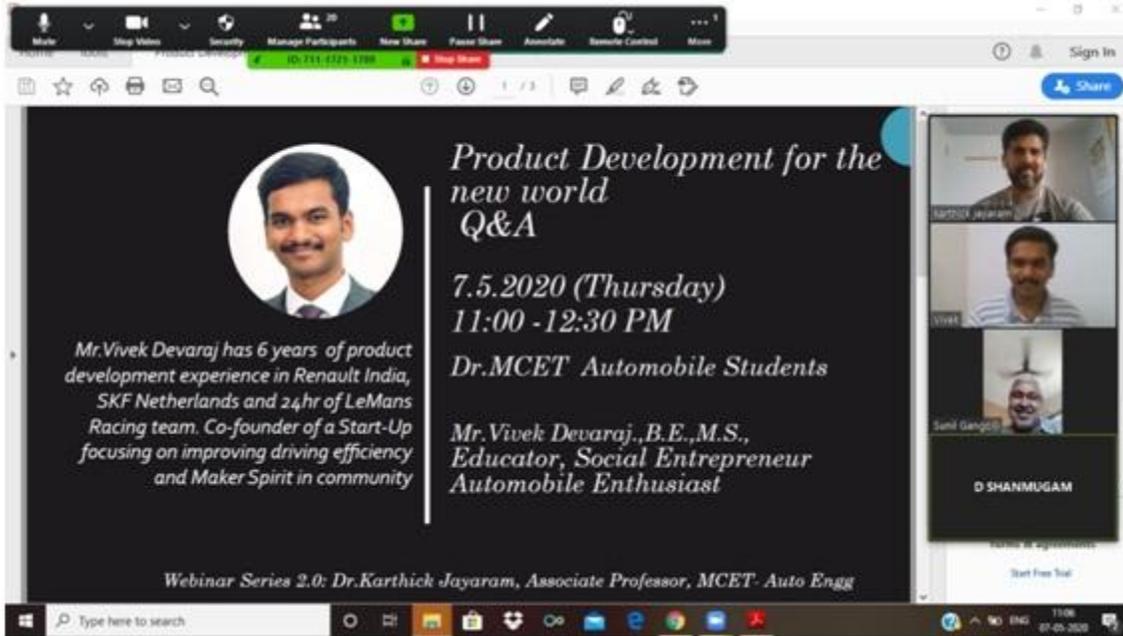
- II year students have visited MM gears and Gishu Gears on 28-02-2020.

- III year students have visited Sakthi valves and Gear products, Coimbatore on 05-03-2020.

### **Webinars**

The following webinars conducted by the department

Sl.No:	Title of Webinar	Resource Person	Date
1	Welding for Automobile applications	Mr. Appuraj, welding Engineer, Kemppi India Ltd,	8/5/2020
2	Webinar on Data Science	Mr.Suresh Ooty, Data Scientist	11/5/2020
3	Current Manufacturing Technologies	Mr Bigil Kumar, Technical Unit Director, Altran India, Coimbatore	12/5/2020
4	Robotics for Manufacturing	Mr Avirup Ghosh, Manager, Kemppi India Ltd, Chennai	13/5/2020
5	CFD and its applications & How to develop successful career	Mr. Mahesh Babu, Team Lead-CFD, Valeo & Mr Vijayavel Prakash Principal Manufacturing Engineer,	16/5/2020
6	Webinar on Covid 19 Pneumatics in critical health care	Mr K Ganapathy Subramaniam, Janatic India Ltd,	28/5/2020
7	Matlab Portal demonstration for MCET	Mr.Harish Murthy Education Customer Success Specialist, Mathworks & Deep Gogoi Installation & Licensing Mathworks	5/29/2020
8	Automotive system safety and Security- Overview	Dr.S.Saravanakumar & Mr Prakash Jayaraman, Volvo -Swedon	6/7/2020


 A screenshot of a Zoom meeting window. The main content area displays a webinar slide for a Q&A session. The slide features a circular portrait of Mr. Vivek Devaraj on the left and text on the right. The text includes the title 'Product Development for the new world Q&A', the date and time '7.5.2020 (Thursday) 11:00 -12:30 PM', the audience 'Dr.MCET Automobile Students', and a bio for Mr. Vivek Devaraj. At the bottom of the slide, it mentions 'Webinar Series 2.0: Dr.Karthick Jayaram, Associate Professor, MCET, Auto Engg'. On the right side of the Zoom window, there is a vertical stack of three video thumbnails. The top one is for 'Karthick Jayaram', the middle one for 'Vivek', and the bottom one for 'Sundh Ganesan'. Below these thumbnails is a name tag for 'D SHANMUGAM'. The Zoom toolbar at the top shows options like 'Mute', 'Stop Video', 'Security', 'Manage Participants', 'New Share', 'Pause Share', 'Announce', 'Remote Control', and 'More'. The Windows taskbar at the bottom shows the search bar and various application icons.

**Product Development for the new world Q&A**  
 7.5.2020 (Thursday)  
 11:00 -12:30 PM  
 Dr.MCET Automobile Students  
 Mr.Vivek Devaraj.,B.E.,M.S.,  
 Educator, Social Entrepreneur  
 Automobile Enthusiast

Mr.Vivek Devaraj has 6 years of product development experience in Renault India, SKF Netherlands and 24hr of LeMans Racing team. Co-founder of a Start-Up focusing on improving driving efficiency and Maker Spirit in community

Webinar Series 2.0: Dr.Karthick Jayaram, Associate Professor, MCET, Auto Engg


 A screenshot of a presentation slide titled 'Welding in Automobile applications Components...'. The slide lists several components: Power source, Wire feeder, Interconnecting cables, Welding gun, Gas supply system, and Cooling unit. To the right of the text, there are images of a wire feeder, a welding gun, and a power source. The slide is displayed within a mobile application interface, with a status bar at the top showing the time 11:29 and signal strength. At the bottom, there is a navigation bar with icons for back, home, and search, along with a user profile icon labeled 'AJ'.

11:29

Welding in Automobile applications  
 Components...

- Power source
- Wire feeder
- Interconnecting cables
- Welding gun
- Gas supply system
- Cooling unit

AJ

**Department of Automobile, Mechanical & Production Engineering**

**Webinar on**

**CURRENT MANUFACTURING TECHNOLOGIES**

**12<sup>th</sup> MAY 2020 (Tuesday)**

**3.30 - 4.30 PM**



**Mr. BIGIL KUMAR K**

TECHNICAL UNIT DIRECTOR  
ALTRAN INDIA, COIMBATORE

**Webinar Link**

<https://bit.ly/2WhOBjl>

**Contact:9597553344**

**7358272521**

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**NIA Skill Foundation**  
**Department of Automobile, Mechanical & Production Engineering**  
**MCET-TUV Rheinland Centre for Advanced Training**  
**(Welding and NDT)**

**&**  
**KempPI India Ltd, Chennai.**

**Organize a Webinar on**  
**“Robotics for Manufacturing”**

**Delivered by**

**Mr. Avirup Ghosh**

Manager - Robotic Applications

KempPI India Ltd, Chennai.

**13<sup>th</sup> May 2020 (Wednesday)**

**Time 3.00 pm to 4.00 pm**

*PLATFORM: Microsoft team*

**Open to Faculty, Staff and Students of Automobile, Mechanical &  
Production Engineering**

For Further Contact **98658 49372, 99949 94804**

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**Webinar On**

**Covid -19 | Pneumatics  
in Critical  
Health Care**

**Focus Area :**

1. Innovations in Pneumatics
2. Pneumatics in Health Care
3. Pneumatics in Industrial Development



**Mr.K.Ganapathy Subramaniam**  
Head - Applications and Training

The Objective of this webinar is to deliberate the pneumatic system in health care equipment. It will help to handle the critical condition in human health and wellness

**Date** : 28/05/2020

**Time** : 3:00 - 5:00Pm

Webcast : Zoom Meeting, Link will be shared after registration

**Registration Link :**

<https://forms.gle/gXFxNb6gFqGbeTNn9>

For further  
Contact : 9842869663,  
90034 36050

**E certificates will be provided**

