

# ME NEWSLETTER 2022

(January 2022 – December 2022)

## **About the Mechanical Engineering Department**

The Department of Mechanical Engineering at MEA Engineering College offers four year B Tech. degree program in Mechanical Engineering with a yearly intake capacity of 30 students. Since its inception in 2007, the department has been thriving to achieve academic excellence by molding quality mechanical engineers with emphasis on comprehensive learning techniques. The Department of Mechanical Engineering allows the students to gain unique academic experiences in conducting various technical events at our college. In summary, the Department of Mechanical Engineering is thriving for professional excellence, building upon which our department is confident of shaping the future of the mechanical engineering students

## **Vision of the Department:**

To create graduate Mechanical engineers having excellence and competence in addressing the needs in the disciplines of Mechanical Engineering and allied areas at both National and International levels with a deep commitment to serving the society for bettering the standard of living through research and development

## **Mission of the Department:**

- 1) To impart formal education in Mechanical engineering and allied areas at undergraduate levels by integrating a variety of project experiences at every level throughout the curriculum.
- 2) To be able to apply with confidence the knowledge in Mechanical engineering through research in the science and technology.
- 3) To nurture conducive academic ambience by giving more emphasis to have competent faculty in the department of Mechanical Engineering
- 4) To encourage the students towards higher education through research and development activities



## **Message from HoD – ME (Chief Editor)**

It gives me immense pleasure that my department members are instrumental in preparing this newsletter. This newsletter is an attempt to project the various activities and achievements of the ME department during January-December 2022



Dr. Mubarak M.  
(HoD – ME) (Chief Editor)



Mr. Krishna Prasad (AP – ME)  
(Managing Editor)



Mr. Roshan Riyas K P  
Student Editor



Mr. Irshadali K P (AP – ME)  
Associate Editor

## GLIMPSE OF ACTIVITIES

- IPR Webinar (Azadi Ka Amrit Mahotsav)
- International Conference (VICATRME '22)
- MECHMERIZE '22 (Dept. Association Program)
- Webinar on Research Paper Writing
- Guest Lectures & Industrial Visits
- Achievements

## WEBINAR ON RESEARCH PAPER WRITING

Department of Mechanical Engineering conducted an Interdisciplinary Two Day Webinar on “Research Paper Writing” on 28th & 29th December, 2022 handled by Dr. Mubarak M. – Associate Professor and Head – Dept. of Mechanical Engineering, MEA Engineering College.



Department of Mechanical Engineering

Two days Webinar on Research Paper Writing

28 & 29 December 2022

Time: 7.00 pm to 9.00 pm (IST)

Coordinator and Resource Person

**Dr Mubarak M**

Associate Professor and Head -ME

Mendeley Advisor-Elsevier

E-mail: mubarak7931@gmail.com

Mobile: 9745487931



The Webinar covered various topics including

- Tips for research article preparation
- How to manage the references
- Tips for publishing good research article
- How to perform literature survey
- Perform drafting of scientific paper

## VIRTUAL WEBINAR ON

## INTELLECTUAL PROPERTY RIGHTS

(UNDER THE BANNER AZADI KA AMRIT MAHOTSAV)



National Intellectual Property Awareness Mission (NIPAM) under the banner “Azadi ka Amrit Mahotsav” conducts

Awareness Programme on Intellectual Property Rights (IPR)

Date: 17-01-2022 Time: 2.30 pm – 3.45 pm, Online mode

Resource Person: Mr. Anumod S

Examiner of Patents and Design

Intellectual Property Office, Chennai



The Department of Mechanical Engineering along with KSCSTE (Kerala State Council for Science, Technology and Environment) & NIPAM (National Intellectual Property Awareness Mission) under the banner of Azadi ka Amrit Mahotsav organized a virtual webinar on Intellectual Property Rights (IPR) on 17-01-2022 from 02.30 pm to 03.45 pm. Mr. Anumod S, Examiner of Patents and Design, Intellectual Property Office, Chennai delivered the talk as resource person in which numerous students and faculties benefited the knowledge on Intellectual Property Rights.



## MECHMERIZE '22



The Department of Mechanical Engineering organized the inaugural function of Mechanical Engineering Students Association (MESA) for the academic year 2022–'23 titled MECHMERIZE '22 on 4th Nov, 2022 in the college auditorium. Dr. V. Sajith (Professor and Placement Coordinator – NIT Calicut) inaugurated the occasion followed by the technical talk on Modern Technology in IC Engines.



## GUEST LECTURES

Guest Lecture on Advanced Manufacturing Technology by Prof. Navaneeth MS (GEC Palakkad) on 27th June, 2022



## GUEST LECTURES

Guest Lecture on Modern Technology in IC Engines by Dr. V. Sajith (Professor – NIT Calicut) on 04<sup>th</sup> Nov, 2022



## INDUSTRIAL VISITS

S8 ME – Goyal & Tin General Industries, 25th March '22

S6 ME – Amtrix Ventures LLP, 09th May '22

## INTERNSHIPS

S8 ME – MECON Manjeri, March '22

S6 ME – Malappuram Cooperative Spinning Mills, May '22

## VICATRME '22

### SECOND VIRTUAL INTERNATIONAL CONFERENCE ON ADVANCED TECHNOLOGIES AND RESEARCH IN MECHANICAL ENGINEERING, 24-26 MAY 2022

The Department of Mechanical Engineering organized the 2nd Virtual International Conference on Advanced Technologies and Research in Mechanical Engineering (VICATRME '22) during May 24–26, 2022. Over 230 researchers submitted their quality research work for the conference after peer review 60 papers were considered for final presentation.



ME A ENGINEERING COLLEGE  
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FOR TECHNICAL EDUCATION  
INDIA

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CERTIFIED

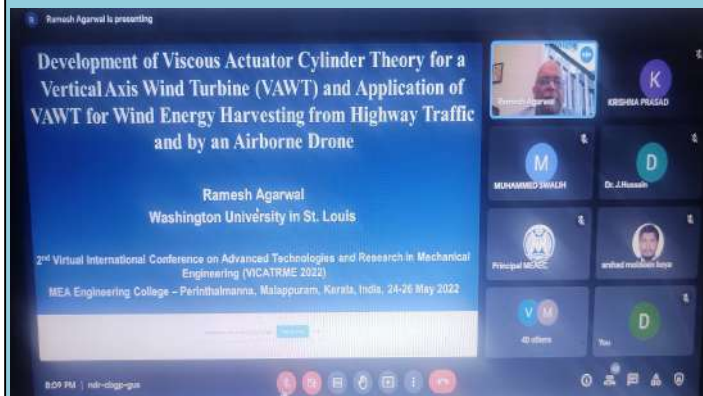
Department of Mechanical Engineering

2<sup>nd</sup> Virtual International Conference on  
"ADVANCED TECHNOLOGIES & RESEARCH IN  
MECHANICAL ENGINEERING" (VICATRME'22)

Date: 24<sup>th</sup> - 26<sup>th</sup> May 2022

Chief Guest and Keynote Speaker :  
**Dr Ramesh K Agarwal**  
The William Palm Professor of Engineering  
Mechanical Engineering & Materials Science  
McKelvey School of Engineering  
Washington University in St. Louis, USA

The inauguration speech was addressed by Dr. Ramesh K Agarwal, William Palm Professor of Engineering in the Department of Mechanical Engineering and Materials Science at Washington University in St. Louis, Missouri, United States. Other sessions were delivered by eminent professors from IITs and NITs on recent research areas.



Ramesh Agarwal is presenting

Development of Viscous Actuator Cylinder Theory for a Vertical Axis Wind Turbine (VAWT) and Application of VAWT for Wind Energy Harvesting from Highway Traffic and by an Airborne Drone

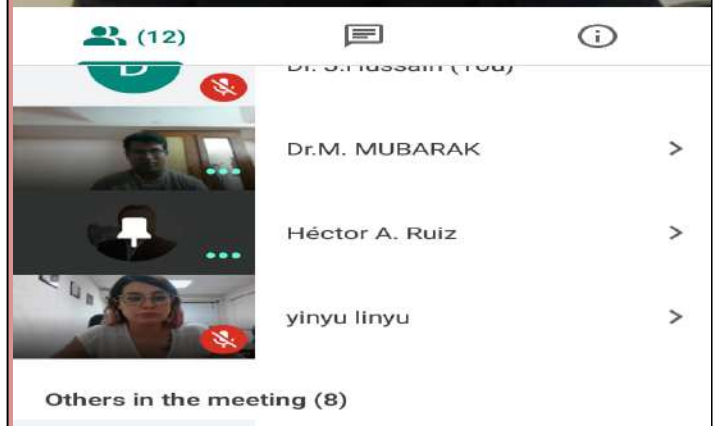
Ramesh Agarwal  
Washington University in St. Louis

2<sup>nd</sup> Virtual International Conference on Advanced Technologies and Research in Mechanical Engineering (VICATRME 2022)  
MEA Engineering College - Perinthalmanna, Malappuram, Kerala, India, 24-26 May 2022

8:09 PM | nbi-cdgg-ga

## VICATRME '22

### SECOND VIRTUAL INTERNATIONAL CONFERENCE ON ADVANCED TECHNOLOGIES AND RESEARCH IN MECHANICAL ENGINEERING, 24-26 MAY 2022



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Dr. S. Nassim (100)

Dr.M. MUBARAK

Héctor A. Ruiz

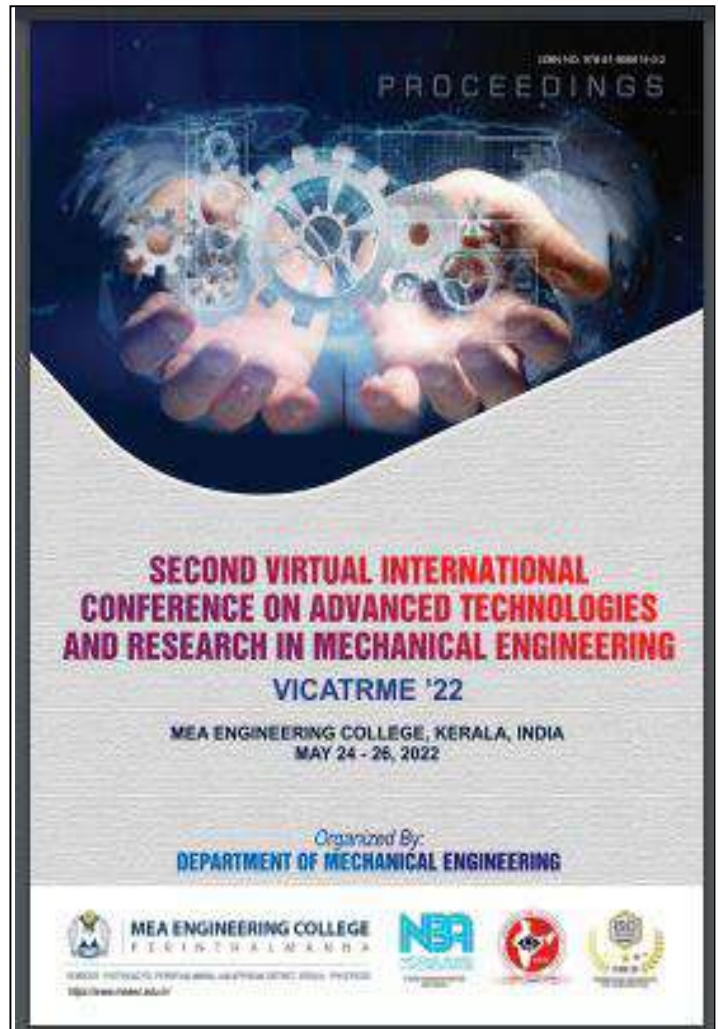
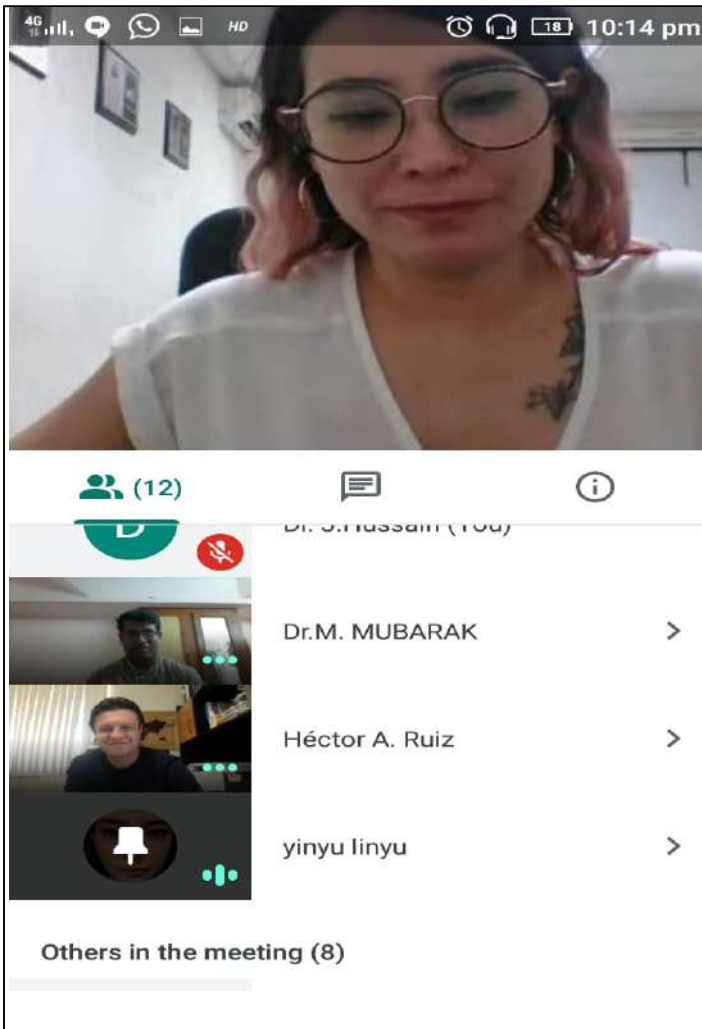
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Others in the meeting (8)

The first edition of the conference was conducted in 2020 – VICATRME '20 which included 240+ authors from various parts of the world during 2020. Best papers were published in CARE Journals (Revised Version of Full length paper after peer review). VICATRME'22 was intended to provide an insight into the current trends in the area of Design Engineering, Materials Engineering, Industrial Engineering & Management, Manufacturing Sciences, Thermal Engineering and the multidisciplinary research and also expected to be a platform for Scientists/Researchers, Academicians, Industrial Persons and Scholars to share innovative ideas and thoughts. Apart from paper presentation sessions, distinguished professors and eminent personalities around the world contributed to the occasion in the role of advisory committee, keynote speakers and session chairs.

## VICATRME '22 KEYNOTE & INVITED TALK DETAILS

DATE & TIME	TITLE	RESOURCE PERSON
24-05-22, 8PM - 9PM	Keynote Talk on Development of Viscous Actuator Cylinder Theory for a Vertical Axis Wind Turbine (VAWT)	Dr.Ramesh K Agarwal, The William Palm Professor in Engineering, McKelvey School of Engineering, USA
25-05-2022, 9.30 AM - 10AM	Invited Talk on Computational Fluid Flow and Heat Transfer in the Safety of Engineering Systems	Dr. Favas T K, Dept. of Ship Technology, CUSAT
25-05-2022, 2 PM - 3 PM	Invited Talk on Effect of condensing cover on the yield of hemispherical, conical and conventional solar still	Dr. Mohd Zaheen Khan, Institute of Engineering and Technology, UP
26-05-2022, 9.30 AM - 10 AM	Invited Talk on Sustainable Manufacturing in Industry 4.0	Dr. Ramkumar P N, Dept. of ME, SIMAT, Kerala
26-05-2022, 2 PM - 2.30 PM	Invited Talk on Properties of Natural Rubber Reinforced With Acacia Powder	Dr. Ajith Kuriakose Mani, Dept. of ME, SCE, Kerala



## ACHIEVEMENTS

### PLACEMENTS

COMPANY: QUALITY AUSTRIA CENTRAL  
ASIA PVT LIMITED

ASLAKH HUSSAIN K T (LMEA18ME066)  
BINYAMIN KOYA P (LMEA18ME068)  
MOHAMMED ASLAM C (LMEA18ME069)  
MOHD. UMAIR SINAN U T (LMEA18ME070)  
MOHAMMED YASEEN A K (LMEA18ME071)

### PLACEMENTS

COMPANY: AVISHKAAR

SALMANUL FARIS P (MEA18ME055)  
MOHAMMED RIMSHAN (MEA18ME038)

COMPANY: BYJUS

THOMAS TOM (MEA18ME062)

### CORE COMPANY EMPLOYMENT

SIVANAND S (LMEA18ME082) OF 2018-2022 ME BATCH GOT EMPLOYMENT AS TRAINEE MECHANICAL ENGINEER IN SFC ENVIRONMENTAL TECHNOLOGIES PVT. LTD. MUMBAI

### EDITORIAL BOARD MEMBER

DR MUBARAK M: SOLE EDITOR FOR THE BOOK TITLED "CHLORELLA AND ITS HEALTH BENEFITS" PUBLISHED BY NOVA SCIENCE PUBLISHERS, USA.

NIKHIL P K OF 2017 – 2021 ME BATCH (LMEA17ME101) GOT SELECTION AS GRADUATE MARINE ENGINEER TRAINEE IN SAMUDRA INSTITUTE OF MARINE STUDIES - PUNE

### HIGHER STUDIES

BASIM ASLAM C A	MEA17ME014	MASTER OF SCIENCE	UNIVERSITY OF CENTRAL LANCASHIRE- UK
FARZEEN AK	MEA17ME018	MASTER OF SCIENCE	FRIEDRICH ALEXANDER UNIVERITAT -GERMANY
MOHAMED SALIM K	MEA17ME029	MASTER OF SCIENCE	UNIVERSITY OF KAISERSLAUTER- GERMANY
MOHAMMED FAISAL	MEA17ME038	MASTER OF SCIENCE	UNIVERSITY OF CENTRAL LANCASHIRE- UK
ABDUL SAFEER V P	LMEA17ME082	MASTER OF SCIENCE	UNIVERSITY OF CENTRAL LANCASHIRE- UK
MOHAMMED SHIBIN	MEA17ME048	MASTER OF SCIENCE	UNIVERSITY OF SALFORD- UK
MOHAMMED SIRHAN	MEA17ME049	MASTER OF SCIENCE	UNIVERSITY OF HERTFORDSHIRE-UK
SHAHAD K K	MEA17ME075	MASTER OF SCIENCE	NORTHUMBRIA UNIVERSITY NEWCASTLE-UK
SREEHARI P R	MEA17ME080	MASTER OF SCIENCE	UNIVERSITY OF SALFORD- UK
THABSHEER JAFER	MNR17ME040	MASTER OF SCIENCE	WORCESTER POLYTECHNIC INSTITUTE-USA
MUHAMMED SWALIH	LMEA17ME099	MASTER OF TECH.	GEC THRISSUR- KTU