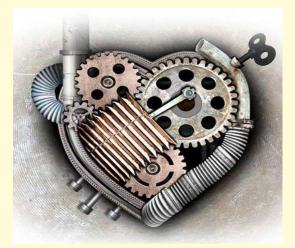


Theni Melapettai Hindu Nadargal Uravinmurai NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY Approved by AICTE, New Delhi & Affliated to Anna University, Chennai Vadapudupatti, Annanji (Po), Theni - 625531

MECHANICAL ENGINEERING



Mechanian:- "A high mechanical strength, health, low friction future, high factor of safety, fluctuation free success, life at unity & progress at constant acceleration".



"MECHANIAN" VOLUME - 1 | ISSUE - 3 DECEMBER 2020

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Strive your perfection in everything. Take the best that exists and make it better. If it doesn't exist, create it – Sir Henry Royce (Co-Founder of Rolls Royce)



COLLEGE VISION:-

4 Place for Technology Revolution Mission

COLLEGE MISSION:-

- Promote and undertake all inclusive developments. (Vision)
- Develop high quality technical education with academic excellence and innovative research with ethics. (PEO & PSO)
- Create an atmosphere where teacher enjoys facilitation and learners (students) enjoy learning through Foster innovation.(PEO & PSO)
- Collaborate with industry and academic to meet the changing needs of society. (PO Attainment)

MISSION

DEPARTMENT VISION:-

Centre for outstanding Education & Research in the fields of Mechanical Engineering.

DEPARTMENT MISSION:-

- Impart highest quality education to the students to build their capacity and innovative skills to solve the industrial needs and social issues.
- Develop alliances with Research & Development, Industries organizations and alumni for excellence in Consultancy and product design.
- Enhancing the knowledge and expertise through professional programmes in thermal, manufacturing and industrial Engineering.

HOD's MESSAGE



It's my pleasure to release the **IIIrd issue** of the News Letter **"MECHANIAN"** of the Department of Mechanical Engineering. This issue emphasis the dynamic faculty and student activities and summarizes the various events and activities organized by the Department of Mechanical Engineering during the month of November 2020.

I wish the newsletter will hold more events and very useful information in the upcoming releases. All the faculty and students should contribute their innovative activities to make this newsletter an information one.

ABOUT THE DEPARTMENT

The **Department of Mechanical Engineering** was established in the academic year 2010-2011. The department plays a leading role in evolving an "Engineering Science" based curriculum. The faculty members are highly qualified and specialized in the fields of thermal engineering, industrial engineering, material science, design and manufacturing. The mechanical engineering students learn to tackle challenges and solve real problems through their individual knowledge.

UG: Started with 60 seats in 2010 and Intake Increased to 120 in 2014

PG: Started with 18 seats in 2014

DEPARTMENT PROGRESSES

SEMINAR ON RESEARCH DEVELOPMENT AND INNOVATION



Centre for Research – Mechanical Engineering Department organized a Seminar on **"Research Development & Innovation"** dated 19th December 2020 at Sir. C.V. Raman Auditorium, Nadar Saraswathi College of Engineering and Technology for the all department faculty members.

Mr. A.Vembathurajesh, HOD/Mechanical Engineering welcomed all thefaculty members of various department of NSCET on this occasion.

Prof. Dr. C. Mathalai Sundaram, Principal addressed the objective of the programme. With more energetic, he expressed the importance of Research Activities and delivers the key idea for publishing reputed Annexure level journals. Also he encouraged and motivated the faculty members from other streams to start their Ph.D. Research.



Dr. B. Radhakrishnan, Assistant Professor/Mechanical Engineering addressed the importance of Profile Creation in various aspects related to research for the faculties of different stream. And also he enumerated the importance of research activities which enriches the skills to improve the citations.



PROJECT CONTEST 2020

Tamil Nadu State Council for Science and Technology (TNSCST) organizes the project contest to enhance the talents and potential of the students.

More than 13 projects have applied for that Project Contest 2020. In that, the third year students from Mechanical Engineering **S. Dineshkumar** and **R. Kottiappan** have cleared the First Round for becoming an entrepreneur and selected as **Tamil Nadu Student Innovators 2020**. They are waiting for the Second Round which will be conducted in the month of January 2021.

The Management and Principal congrats the students and the guides, **Mr. B. Nagarajan, AP/MECH & Mr. A. Karthik Raja, AP/MECH** for their moral support.



FACULTY CONTRIBUTIONS

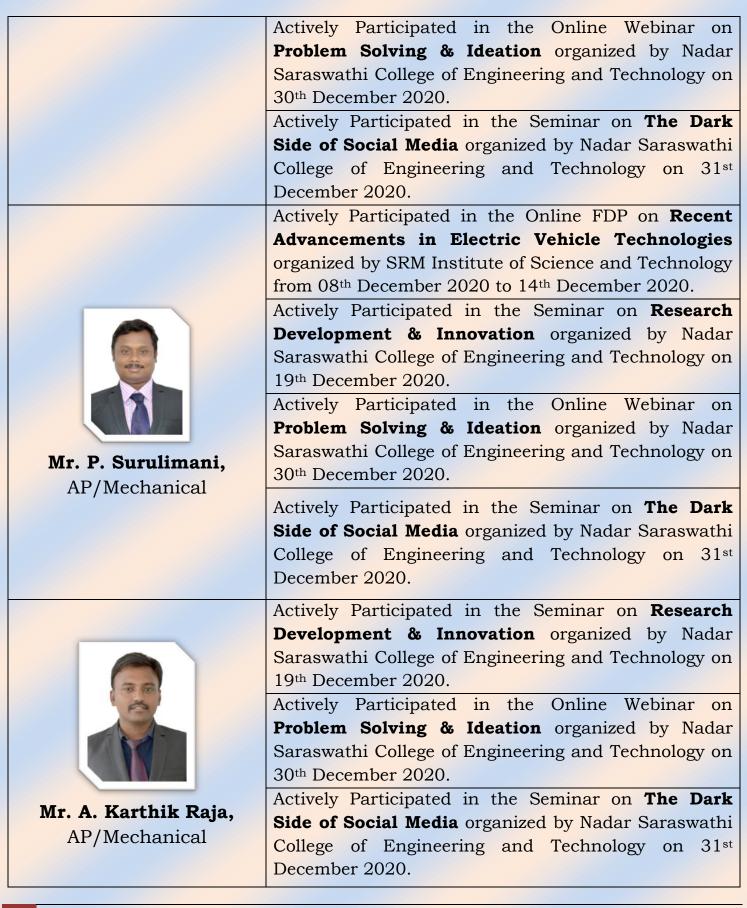


| | Actively Participated in the Webinar on Mental Well- |
|-------------------------|---|
| | Being of Teachers organized by Tamil Nadu Teachers |
| | Education University from 23 rd December 2020 to |
| | 25 th December 2020. |
| | Actively Participated in the Online Webinar on |
| | Turbocharged IC Engines & Market Expectations |
| | organized by Meenakshi Sundarajan Engineering |
| | College on 24 th December 2020. |
| Mr. A. Vembathurajesh, | Actively Participated in the Online Webinar on |
| Head of the Department/ | Problem Solving & Ideation organized by Nadar |
| Mechanical | |
| | Saraswathi College of Engineering and Technology on 30 th December 2020. |
| | |
| | Actively Participated in the Seminar on The Dark |
| | Side of Social Media organized by Nadar Saraswathi |
| | College of Engineering and Technology on 31st |
| | December 2020. |
| | Actively Participated in the Online Seminar on How |
| | to Handling the Students organized by |
| | Vivekanandha College of Arts & Science on 13th |
| 30 | December 2020. |
| | Actively Participated in the Seminar on Research |
| | Development & Innovation organized by Nadar |
| | Saraswathi College of Engineering and Technology on |
| M. W. O'rearran | 19 th December 2020. |
| Mr. V. Sivaganesan, | Actively Participated in the Seminar on The Dark |
| AP/Mechanical | Side of Social Media organized by Nadar Saraswathi |
| | College of Engineering and Technology on 31st |
| | December 2020. |
| | Actively Participated in the Seminar on Research |
| | Development & Innovation organized by Nadar |
| 300 | Saraswathi College of Engineering and Technology on |
| | 19 th December 2020. |
| | |
| | Actively Participated in the Seminar on The Dark |
| | Side of Social Media organized by Nadar Saraswathi |
| Mr. V. Thirumalairaj, | College of Engineering and Technology on 31st |
| AP/Mechanical | December 2020. |
| | |

Department of Mechanical Engineering | MECHANIAN, Volume - 1, Issue - 3, December 2020



| Mr. R. Santhaseelan, AP/Mechanical | Actively Participated in the Online Webinar on Problem Solving & Ideation organized by Nadar Saraswathi College of Engineering and Technology on 30 th December 2020. |
|--|---|
| | Actively Participated in the Seminar on The Dark Side of Social Media organized by Nadar Saraswathi College of Engineering and Technology on 31 st December 2020. |
| | Actively Participated in the Seminar on Research Development & Innovation organized by Nadar Saraswathi College of Engineering and Technology on 19 th December 2020. |
| | Actively Participated in the Online Webinar onEntrepreneurship& InnovationasCarrier |
| | Opportunity organized by CMR Group of Institution on 24 th December 2020. |
| Z 79 2 | Actively Participated in the Webinar on Problem |
| | Solving & Ideation organized by Nadar Saraswathi College of Engineering and |
| Mr. R. Nagaraja, AP/Mechanical | Technology on 30 th December 2020. |
| | Actively Participated in the Seminar on The Dark Side of Social Media organized by Nadar Saraswathi College of Engineering and Technology on 31 st December 2020. |
| | Actively Participated in the Seminar on Research |
| | Development & Innovation organized by Nadar Saraswathi College of Engineering and Technology on 19 th December 2020. |
| | Actively Participated in the Online Webinar on Natural Dyes: An Alternate Source for Synthetic Dyes organized by Arasu Engineering College on 29th December 2020. |
| Mr. B. Nagarajan, AP/Mechanical | Actively Participated in the Webinar on IOT Applications in Automobiles & Manufacturing Industries organized by Karpaga Vinayaga College of Engineering and Technology on 30 th December 2020. |





Mr. S. Harikishore, AP/Mechanical



Mr. A. Vennimalai Rajan, AP/Mechanical Actively Participated in Five Days Online Webinar Series on **Innovations in Mechanical Engineering & Science** organized by Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology from 08th December to 12th December 2020.

Actively Participated in the Seminar on **Research Development & Innovation** organized by Nadar Saraswathi College of Engineering and Technology on 19th December 2020.

Actively Participated in non credited Course on **Psychological First Aid** organized by Johns Hopkins University and Coursera on 22nd December 2020.

Actively Participated in the Seminar on **The Dark Side** of Social Media organized by Nadar Saraswathi College of Engineering and Technology on 31st December 2020.

Actively Participated in Awareness Quiz Programme on **Worlds AIDS Day** organized by UG Biochemistry Association & Institution Innovation Council of Scared Heart College, Tiruppatur on 02nd December 2020.

Actively Participated in one week online STTP on **Research Aspects of Powder Metallurgy Based Direct Digital Manufacturing** organized by Mepco Schlenk Engineering College from 30th November to 05th December 2020.

Actively Participated in Five Days Online Webinar Series on **Innovations in Mechanical Engineering & Science** organized by Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology from 08th December to 12th December 2020.

Actively Participated in the Online FDP on **Recent Advancements in Electric Vehicle Technologies** organized by SRM Institute of Science and Technology from 08th December 2020 to 14th December 2020.

Actively Participated in Online FDP on **Advances in Tribology** organized by Sreenidhi Institute of Science and Technology from 14th December 2020 to 19th December 2020.

| | Actively Participated in the Seminar on Research |
|--------------------------|--|
| | Development & Innovation organized by Nadar |
| | Saraswathi College of Engineering and Technology |
| | on 19 th December 2020. |
| | Actively Participated in the Webinar on |
| | Entrepreneurship & Innovation as Carrier |
| Mr. A. Vennimalai Rajan, | Opportunity organized by CMR Group of |
| AP/Mechanical | Institution on 24 th December 2020. |
| | Actively Participated in the Webinar on Problem |
| | Solving & Ideation organized by Nadar Saraswathi |
| | College of Engineering and Technology on 30th |
| | December 2020. |
| | Actively Participated in the Seminar on The Dark |
| | Side of Social Media organized by Nadar |
| | Saraswathi College of Engineering and Technology |
| | on 31 st December 2020. |
| | Actively Participated in the Seminar on Research |
| | Development & Innovation organized by Nadar |
| | Saraswathi College of Engineering and Technology |
| | on 19 th December 2020. |
| | Actively Participated in the Online Webinar on |
| 350 | Entrepreneurship & Innovation as Carrier |
| | Opportunity organized by CMR Group of |
| | Institution on 24 th December 2020. |
| Mr. J. Chakravarthy | Actively Participated in the Webinar on Problem |
| | Solving & Ideation organized by Nadar Saraswathi |
| Samy Durai, | College of Engineering and Technology on 30th |
| AP/Mechanical | December 2020. |
| | Actively Participated in the Seminar on The Dark |
| | Side of Social Media organized by Nadar |
| | Saraswathi College of Engineering and Technology |
| | on 31 st December 2020. |
| | Actively Participated in the Online Webinar on |
| | Units in Manufacturing organized by Association |
| | with The Institution of Engineers, India Student |
| | Chapter and ISTE on 03 rd December 2020. |

Mr. G. Arunkumar, AP/Mechanical Actively Participated in the Online Webinar on **Units in Design** organized by Association with The Institution of Engineers, India Student Chapter and ISTE dated on 04th December 2020.

Actively Participated in Five Days Online Webinar Series on **Innovations in Mechanical Engineering & Science** organized by Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology from 08th December to 12th December 2020.

Actively Participated in Online Five Days Webinar Series on **Need for Scientific Computation in IC Engine Modelling** organized by Arasu Engineering College on 19th December 2020.

Actively Participated in the Seminar on **Research Development & Innovation** organized by Nadar Saraswathi College of Engineering and Technology on 19th December 2020.

Actively Participated in the Online Webinar on **Entrepreneurship & Innovation as Carrier Opportunity** organized by CMR Group of Institution on 24th December 2020.

Actively Participated in the Online Webinar on **Natural Dyes: An Alternate Source for Synthetic Dyes** organized by Arasu Engineering College on 29th December 2020.

Actively Participated in the Online Webinar on **Teaching Learning Practice for Engineering Education** organized by Association with The Institution of Engineers, India Student Chapter and ISTE on 29th December 2020.

Actively Participated in the Online Webinar on **IOT Applications in Automobiles & Manufacturing Industries** organized by Karpaga Vinayaga College of Engineering and Technology on 30th December 2020.



| | Actively Participated in Five Days Online Webinar Series on Lean Manufacturing organized by Gnanamani College of Technology on 17 th December 2020. |
|-----------------|--|
| | Actively Participated in Five Days Online Webinar |
| | Series on Need for Scientific Computation in IC |
| | Engine Modelling organized by Arasu Engineering |
| | College on 19 th December 2020. |
| | Actively Participated in the Seminar on Research |
| | Development & Innovation organized by Nadar |
| | Saraswathi College of Engineering and Technology on |
| | 19 th December 2020. |
| | Actively Participated in the Webinar on |
| | Entrepreneurship & Innovation as Carrier |
| | Opportunity organized by CMR Group of Institution |
| | on 24 th December 2020. |
| | Actively Participated in the Webinar on Natural Dyes : |
| | An Alternate Source for Synthetic Dyes organized |
| Mr. J. Eswaran, | by Arasu Engineering College on 29 th December 2020. |
| AP/Mechanical | Actively Participated in the Online Webinar on |
| ni / meenamear | Teaching Learning Practice for Engineering |
| | Education organized by Association with The |
| | Institution of Engineers, India Student Chapter and |
| | ISTE on 29 th December 2020. |
| | Actively Participated in the Online Webinar on IOT |
| | Applications in Automobiles & Manufacturing |
| | Industries organized by Karpaga Vinayaga College of |
| | Engineering and Technology on 30 th December 2020. |
| | Actively Participated in the Online Webinar on |
| | Problem Solving & Ideation organized by Nadar |
| | Saraswathi College of Engineering and Technology on |
| | 30 th December 2020. |
| | Actively Participated in the Online Seminar on The |
| | Dark Side of Social Media organized by Nadar |
| | Saraswathi College of Engineering and Technology on |
| | 31 st December 2020. |

STUDENT CONTRIBUTIONS



Mr. S. Dineshkumar Third Year Mechanical Engineering Actively Participated in Awareness Quiz Programme on **Worlds AIDS Day** organized by UG Biochemistry Association & Institution Innovation Council of Scared Heart College, Tiruppatur on 03rd December 2020.

Actively Participated in Online Webinar on **Units** in **Engineering & Scientific Calculations** organized by Ramco Institute of Technology on 05th December 2020.

Actively Participated in **Aptitude Test on Averages** organized by Ramco Institute of Technology with **90% Score** on 06th December 2020.

Actively Participated in Five Days Online Webinar Series on **Innovations in Mechanical Engineering & Science** organized by Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology from 08th December to 12th December 2020.

Actively Participated in the **Swachhta Pakhwada Online Quiz** organized by National Cadet Corps, Ramco Institute of Technology with **70% Score** on 25th December 2020

PLACEMENT ACTIVITIES

Our passed out student from 2015-2019 batch and two passed out students from 2016-2020 batch attended the Technical Interview in Ashok Leyland at Hosur. Two students from 2016-2020 batch have got selected and asked to join the last week of December 2020 with the pay scale of 2.2 Lakh per annum.

Company Name: Ashok Leyland (Plant 2), Hosur



P. NAGAPRAKASH Batch: 2016-2020 Mechanical 'A' Section



A. PRABAKAR Batch: 2016-2020 Mechanical 'B' Section