



# VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)  
(Accredited by NAAC with 'A' Grade and NBA)  
Thindal, Erode - 638012, Tamil Nadu, India.

## DEPARTMENT OF MECHANICAL ENGINEERING ACADEMIC YEAR 2020-2021

### 1. Association Activities:

#### a. Drafting Competition:

As a part of curriculum enrichment, an intra department event called "Drafting Competition" on the topic "Art of Mechanical Engineering" was organized on 30.04.2021 for the benefits of students for enhancing the software skills.

#### b. Webinar:

Organized a webinar on "Banking as a Career" on 06.05.2021. Mr. V. Devadoss, Chief Trainer, Edufly Staffing Solution, Coimbatore delivered the job opportunities in banking sectors and government industries.

#### c. Techno-fun event:

An intra-departmental techno fun event called "Connexions" was organized on 08.05.2021 to the students for enhancing the technical knowledge.

#### d. Webinar & Valedictory Function

Organized a webinar on "Mechanical Engineering – A response to Covid-19 Pandemic" and FAME valedictory function on 07.06.2021. Mr. E. Amalraj, Member – Technical Staff, HCL technologies, Chennai (Renowned Alumni – 2012-2016) delivered current trends in mechanical engineering field and how a mechanical engineering prepare himself for this pandemic situation.

### 2. Conference /Workshop / Seminar / FDP Programs Attended by Faculty:

#### 1. Programme attended @ other state:

- Dr. R. Kumaravelan attended Webinar on National Webinar on IPR : Knowing the Patent and the Copy Rights at Government Degree College, Kilam Kulgam, Jammu on 24.05.2021
- T.C.R. Dinesh attended National level Webinar on Intellectual Property Rights: Knowing the Patent and Copyrights at Govt. Degree College, Kilam Kulgam on 24.05.2021
- L. Arul Shankar attended FDP on MATERIALS FOR ENERGY AND BIOMEDICAL APPLICATIONS at GMR INSTITUTE OF TECHNOLOGY on 31.05.2021
- E. Ajai Kumar attended FDP on Materials for Energy and Biomedical Applications at GMR Institute of Technology on 31.05.2021 TO 4.06.2021
- Dr. A. Thirumoorthy attended FDP on "Materials for Energy and Biomedical Applications" at GMR INSTITUTE OF TECHNOLOGY, KAKINADA on 31.05.2021 TO 04.06.2021

- T.C.R. Dinesh attended FDP on Nano materials-Technologies for Energy & Sensor Applications at GMR Institute of Technology, Andhra Pradesh on 07.06.2021 to 11.06.2021
- E. Ajai Kumar attended FDP on Nano materials-Technologies for Energy & Sensor Applications at GMR Institute of Technology, Rajam, Andhra Pradesh, India on 07.06.2021 TO 11.07.2021
- A.T. Navin kumar attended FDP on Advance Materials and Processes for Sustainable Intelligent Manufacturing (Phase III) at DAV Institute of Engineering and Technology on 07.06.2021 to 12.06.2021
- S. Arunkumar attended Online Short Term Training Program on Innovations and Challenges in Industry 4.0 Automation and Smart Manufacturing at Kallam Haranadhareddy Institute of Technology,Guntur on 07.06.2021 to 12.06.2021
- D. Kesavan attended STTP on AICTE Sponsored one week online Short-term Training Programme on Innovations and challenges in Industry 4.0 Automation and Smart Manufacturing at Kallam Haranadhareddy Institute of Technology, AP on 07.06.2021 to 12.06.2021
- G. Raja attended STTP on Innovations and challenges in Industry 4.0 Automation and Smart Manufacturing at KallamHaranadhareddy Institute of Technology, AP on 07.06.2021 to 12.06.2021
- A. Manojkumar attended STTP on Innovations and challenges in Industry 4.0 Automation and Smart Manufacturing at KallamHaranadhareddy Institute of Technology, AP on 07.06.2021 to 12.06.2021
- K. Ramakrishnan attended eFDP on Advances in Manufacturing at Birsa Institute of Technology, Sindri ,Dhanbad on 15.06.2021 to 19.06.2021
- S.C.Thiyagarajann attended FDP on Advances in Manufacturing at BIT Sindri on 15.06.21 to 18.06.21
- R. Prakash attended FDP on Advances in Manufacturing at BIT Sindri, Dhanbad on 15.06.2021 to 19.06.2021
- L. Arul Shankar attended FDP on FUNCTIONAL MATERIALS FOR ENERGY ENVIRONMENT AND HEALTH CARE at NIT CALICUT on 21.06.2021
- D. Senthil Kumar attended Faculty Development Program on “Product and Process Innovation: Concepts, Protection and Commercialization” at Chandigarh Engineering College, Mohali and Indian Institute of Technology Roorkee on 21.06.2021 To 25.06.2021
- D. Senthil Kumar attended Faculty Development Program on "Emerging Trends in Mechanical Engineering" at School of Engineering and Technology, Sharda University, Greater Noida on 21.06.2021 To 26.06.2021

- A.T. Navin kumar attended FDP on Thrust Areas of Research in Mechanical Engineering at Geethanjali Institute of Technology and Science on 22.06.2021 to 26.06.2021
- M. Gopi attended International online FDP on Thrust areas of Research in Mechanical Engineering at Geethanjali institute of Technology and Science on 22.06.2021 to 26.06.2021
- "D. Senthil Kumar attended International online Faculty Development Program on “Thrust Areas of Research in Mechanical Engineering” at Geethanjali Institute of Science and Technology, Andhra Pradesh on 22.06.2021 To 26.06.2021"
- K. Ramakrishnan attended FDP on Thrust Areas of Research in Mechanical Engineering at Geethanjali Institute of Technology and Science, Nellore,A.P on 22.06.2021 to 26.06.2021
- E. Ajai Kumar attended ATAL FDP on Nano-materials & Nanomechanics and their application in devices and sensors at Indian Institute of Technology, Hyderabad. on 28.06.2021 TO 02.07.2021
- D. Senthil Kumar attended Webinar on “Journey of E Vehicle Prototype Towards Startup” at College of Engineering & Technology IILM Academy of Higher Learning, Greater Noida on 23.06.2021
- A.T. Navin kumar attended Webinar on Micro Manufacturing - An Understanding at PBR Visvodaya Institute of Technology and Science on 29.06.2021
- K. Ramakrishnan attended Webinar on MICRO MANUFACTURING-AN UNDERSTANDING at PBR Visvodaya Institute of Technology, Kavali, A.P. on 29.06.2021

#### **Faculty Development Programme:**

- S. Arunkumar attended AICTE – ISTE Approved refresher course on Design and Development of products and services at R.M.K Engineering College, Kavaraipettai, Tamil Nadu. on 05.04.2021 to 12.04.2021
- D. Kesavan attended AICTE – ISTE Approved refresher course on Design and Development of products and services at R.M.K. Engineering College on 05.04.2021 to 12.04.2021
- Manojkumar attended AICTE – ISTE Approved refresher course on Design and Development of products and services at RMK Engineering College. on 05.04.2021 to 12.04.2021
- G. Raja attended AICTE – ISTE Approved refresher course on Design and Development of products and services at RMK Engineering College. on 05.04.2021 to 12.04.2021
- L. Arul Shankar attended STTP on UTILIZATION OF RENEWABLE ENERGY SOURCES IN ENGINEERING APPLICATIONS at JKKN COLLEGE OF ENGINEERING AND TECHNOLOGY on 03.05.2021

- T.C.R. Dinesh attended STTP PHASE-1 on Utilization of Renewable Sources of Energy in Engineering Applications at JKK Nataraja College of Engineering and Technology on 03.05.2021 to 08.05.2021
- R. Prakash attended FDP on Career Development Planning at Sri Ranganathar Institute of Poltechnic College, Coimbatore on 10.05.2021 & 11.05.2021
- R. Prakash attended FDP on Revised NAAC Accreditation Framework Perceptions at G.T.N. Arts College, Dindugul on 12.05.2021 to 15.05.2021
- Dr. R. Kumaravelan attended Online FDP on Revised NAAC accreditation framework perceptions at G.T.N. Arts College, Dindigul on 12.05.2021 to 15.05.2021
- L. Arul Shankar attended FDP on ADVANCED APPLICATIONS IN COMPOSITE MATERIALS at VELTECH ENGINEERING COLLEGE on 17.05.2021
- T.C.R. Dinesh attended FDP on Advanced Applications in Composite Materials at Vel Tech High Tech Engg. College, Chennai on 17.05.2021 to 22.05.2021
- E. Ajai Kumar attended FDP on Advanced Applications in Composite Materials at Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Avadi, Chennai on 17.05.2021 to 22.05.2021.
- Dr. A. Thirumoorthy attended FDP on “Advanced Applications in Composite Materials”, at Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Avadi, Chennai on 17.05.2021 to 22.05.2021.
- D. Kesavan attended Anna University sponsored FDP on MF 8071 Additive Manufacturing at Dr.N.G.P. Institute of Technology, Coimbatore on 24.05.2021 to 29.05.2021
- G. Raja attended FDP on Additive Manufacturing at Dr.N.G.P. Institute of Technology, Coimbatore on 24.05.2021 to 29.05.2021
- A. Manojkumar attended FDP on Additive Manufacturing at Dr.N.G.P. Institute of Technology, Coimbatore on 24.05.2021 to 29.05.2021
- V. Mohankumar attended FDP on Additive Manufacturing at Dr.N.G.P Institute of Technology on 24.05.21 to 29.05.21
- L. Arul Shankar attended FDP on Recent Trends And Research Perspective On Energy And Power System At Psn College Of Engineering And Technology on 31.05.2021
- E. Ajai Kumar attended FDP on Recent trends and research perspective on energy and power system at Psn College Of Engineering And Technology on 31.05.2021 to 04.06.2021
- Dr. S. Velumani attended FDP on recent trends and Research perspective on energy and power system at Department of electrical and electronics engineering, PSN College of Engineering on 31.05.2021 to 04.06.2021
- Dr. A. Thirumoorthy attended FDP on “Recent trends and research perspective on energy and power system” at Psn College Of Engineering And Technology on 31.05.2021 to 04.06.2021.

- Dr. S. Velumani attended FDP on Virtual faculty development program on “Artificial Intelligence and Machine Learning skills, industry 4.0 at Organised by CSE computer science engineering and information technology of engineer Perumal College of Engineering Krishnagiri Hosur on 03.06.2021 to 06.06.2021
- V. Mohankumar attended FDP on AI & MI Skills Industry 4.0 at Er. Perumal Manimekalai College of Engineering on 03.06.21 to 05.06.21
- L. Arul Shankar attended FDP on Challenges In Energy Management For Smart Cities At Aarupadai Veedu Institute Of Technology on 07.06.2021
- L. Arul Shankar attended FDP on Nano Materials - Technology For Energy And Sensor Applications At Gmr Institute Of Technology on 07.06.2021
- K. Ramakrishnan attended FDP on Digital Teaching Methodology during Covid Situation at Achariya College of Engineering Technology on 07.06.2021 to 11.06.2021
- T.C.R. Dinesh attended FDP on Inculcating Universal Human Values in Technical Education at AICTE on 12.06.2021 to 16.06.2021
- S. Arunkumar attended Online Elementary FDP on Bioconversion Technologies and Start-up Opportunities in Biofuels Production at AICTE Training And Learning (ATAL) Academy at Silver Jubilee Govt College. on 14.06.2021 to 18.06.2021

## **2. Workshop:**

- A.T. Navin kumar attended One day workshop on CFD Fundamentals - Theory and Practice at Sri Sivasubramaniya Nadar College Of Engineering on 18.05.2021
- R. Prakash attended Workshop on CFD Fundamentals – Theory and Practice at SSN College of Engineering, Chennai on 18.05.2021
- D. Kesavan attended Workshop on CFD Fundamentals – Theory and Practice at Sri Sivasubramaniya Nadar College of Engineering on 18.05.2021
- D. Senthil Kumar attended Workshop on One Day Workshop on CFD Fundamentals – Theory and Practice at Sri Sivasubramaniya Nadar College of Engineering, Chennai on 18.05.2021
- K. Ramakrishnan attended Workshop on CFD FUNDAMENTALS – THEORY AND PRACTICE at SRI Sivasubramaniya Nadar College of Engineering, Kalavakkam - 603 110 on 18.05.2021
- Dr. S. Velumani attended One day workshop on CFD fundamentals, theory and practices at Department of Mechanical Engineering SSN College of Engineering on 18.05.2021
- S.C.Thiyagarajann attended One day workshop on CFD fundamentals Theory and practice at SSN College of engineering on 18.05.21
- Dr. R. Kumaravelan attended Workshop on Green Building Practices at Construction Management Training Institute, Bengaluru on 25.05.2021 to 29.05.2021
- K. Ramakrishnan attended Workshop on Motors used for EV application-Design aspects at Meenakshi Sundararajan Engineering College, Chennai-24 on 05.06.2021

- L. Arul Shankar attended workshop on innovative control technologies for hybrid electric vehicle at vinayaka missions kirupanandha variyar engineering college on 26.06.2021
- Dr. S. Velumani attended workshop on Innovative control techniques for Hybrid electric vehicles at electrical and electronics engineering, Vinayaka Missions kirupanandavariyar Engineering College on 26.06.2021

### Webinar:

- M. Gopi attended Webinar on Tribological Challenges-Industry Perspective at Easwari Engineering College on 10.04.2021
- R. Prakash attended Guest Lecture on Energy Conservation and Management at Arasu Engineering College, Kumbakonam on 28.04.2021
- S. Arunkumar attended National level Live webinar on Friction based Additive Manufacturing at R.M.K College of Engineering and Technology, Tamil Nadu. on 30.04.2021
- D. Senthil Kumar attended Webinar on “Research Article Writing” at Arasu Engineering College, Kumbakonam on 18.05.2021
- D. Senthil Kumar attended Internaltional Webinar on “Concept of Traditional Design in Mechatronics” at Arasu Engineering College, Kumbakonam on 21.05.2021
- D. Senthil Kumar attend Webinar on “CNC Machine Tools and Basic Programming” at Arasu Engineering College, Kumbakonam on 21.05.2021
- Dr. S. Velumani attended webinar on 3D printing in construction:Building the home of the future” at Department of civil engineering, Dr NGP Institute of technology, Coimbatore on 21.05.2021
- D. Senthil Kumar attended Naltional Webinar on “Potential Multifold of Additive Manufacturing in India with Business Case Study” at Arasu Engineering College, Kumbakonam on 24.05.2021
- D. Senthil Kumar attended Internaltional Webinar on “Foundation of Computational Fluid Dynamics” at Arasu Engineering College, Kumbakonam on 25.05.2021
- D. Senthil Kumar attended Webinar on “Non Destructive Testing for Industrial Application” at Arasu Engineering College, Kumbakonam on 25.05.2021
- D. Senthil Kumar attended Internaltional Webinar on “Exploring Realtime Technology” at Mohamed Sathak AJ College of Engineering, Chennai on 31.05.2021
- M. Gopi attended Webinar on Key Technological Innovations in Automotive seat Manufacturing Technology at KSR College of Engineering on 05.06.2021
- D. Senthil Kumar attended Webinar on "Nanomechanical Testing: Theory and Applications" at Arasu Engineering College, Kumbakonam on 08.06.2021
- E. Ajai Kumar attended webinar on artificial intelligence in power system area at dr. Mahalingam college of engineering and technology on 11.06.2021

- L. Arul Shankar attended webinar on artificial intelligence in power systems area at dr. mahalingam college of engineering and technology on 11.06.2021
- "D. Senthil Kumar attended National Webinar on “Yoga for Covid-19 Care” at Mohamed Sathak AJ College of Engineering, Chennai on 19.06.2021"
- R. Prakash attended Webinar on Innovative Control Techniques for Hybrid Electric Vehicles at Vinayaka Mission’s Kirupananda Variyar Engineering College, Salem on 26.06.2021
- E. Ajai Kumar attended Webinar on World Class Manufacturing at Annamalai University & Indian Welding Society (IWS) Annamalainagar on 29.06.2021
- Dr. A. Thirumoorthy attended Webinar on World Class Manufacturing (WCM) at Annamalai University on 29.06.2021

**In VCET:**

- K. Ramakrishnan attended Webinar on Investor Awareness Program at VCET, MBA Department on 13.05.2021

**3. Workshop / Webinar / FDP Programs Attended by Faculty during April-June 21:**

<i>S.No.</i>	<i>Name of the Faculty</i>	<i>Webinar</i>	<i>FDP</i>	<i>Workshop</i>	<i>Quiz</i>	<i>Total</i>
1.	Dr.R.Kumaravelan	1	1	1		3
2.	Dr.S.Velumani	1	2	2		5
3.	Dr.A.Thirumoorthy	1	3			4
4.	Dr.R.Prakash	2	3	1		6
5.	S.C.Thiyagarajann		1	1		2
6.	K.Ramakrishnan	2	3	2		7
7.	M.Gopi	2	1			3
8.	D. Senthil Kumar	10	3	1		14
9.	M. Gokul					-
10.	D. Kesavan		3	1		4
11.	T.C.R. Dinesh	1	4			5
12.	V. Mohankumar		3			3
13.	S. Arun Kumar	1	3			4
14.	A. Manojkumar		3			3
15.	E. Ajaikumar	1	5			6
16.	L. Arulshankar	1	7	1		9
17.	A.T. Navin Prasad	1	2	1		4
18.	G.Raja		3			3
					<b>Total</b>	<b>85</b>