

S.A. ENGINEERING COLLEGE

(An Autonomous Institution , Affiliated to Anna University , Chennai)

Accredited by NAAC with 'A' Grade & ISO 9001:2015 Certified Institution

Approved by AICTE and Affiliated to Anna University, Chennai



DYNAMIX'22

EVEN SEMESTER

Newsletter 2021 - 2022

DEPARTMENT OF

MECHANICAL ENGINEERING

ABOUT THE DEPARTMENT



The department of Mechanical Engineering was established in the year 1998 in our college; it was affiliated to Anna University in 2001 and got permanent affiliation in 2013. It has been accredited by the National Board of Accreditation (NBA) from the year 2009. The post graduate programme, M.E. CAD/CAM was established in the year 2014 with an intake of 18 students. The department has been recognized as a research center by Anna University in the year 2012. The students are given hands on training about the theoretical concepts they are learning through various labs such as Manufacturing Technology Lab, Fluid Mechanics Lab, I C Engines lab, Heat Transfer Lab, CAD CAM LAB, Dynamics Lab, Mechatronics Lab.

The department has eminent faculties to guide the students in learning the various concepts of mechanical engineering. The faculty are well versed in research and publish papers periodically in reputed journals like WOS, SCI, SCOPUS. The faculty of mechanical engineering also have patent grants for their research and innovation projects in emerging fields of mechanical engineering. In addition to this, various funded projects are also being carried out with the grants received from AICTE, DST, TNSCST etc. The students are also encouraged to participate in various events such as design and fabrication of parallel hybrid electric race car, Solar vehicle championship conduct by ISIE every year.

VISION

1. **Academic Excellence:** To strive and attain a premier position in providing Quality Higher Education integrated with Research and Scholarly activities in the emerging areas and diversify in the emerging fields of Mechanical Engineering, thus serving to the needs of the society.
2. **Inventory of Skill Development:** To make our graduates to be adept in handling real life complex problems through Modern Tools and Techniques and while doing so making them to imbibe ethical practices and confident enough to assume leadership position.

MISSION

1. **Conducive Environment:** To provide conducive atmosphere for effective teaching-learning by disseminating the knowledge in breadth and depth.
2. **Centre of Excellence:** To practice modern tools and techniques so as to make our department a Centre of Excellence and sustainable in their growth.
3. **Critical and Clinical Thinking:** To transform our students to be open minded with critical thinking in their approach to real-life problem-solving situations keeping in mind the Professional, Ethical, Environmental and Societal aspects
4. **Active Involvement in R&D:** To provide a perfect platform for our faculty and students to undertake research activities.
5. **Collaboration and Integration:** To collaborate with the industries, premier Institutions in taking up consultancy projects, internship so that our students will acquire experience hands-on in current industrial practices and ethical standards.
6. **Implementation of Students Quality Circle:** To make our students imbibe leadership qualities by fostering in them a good amount of soft skills, personality traits and by way of active participation in extra-curricular and co-curricular activities.

PROGRAMME EDUCATIONAL OBJECTIVES

1. **Technical and Professional Excellence:** Graduates will demonstrate technical competence in solving real life Mechanical Engineering problems using Engineering principles and modern tools while engaging in continuous professional development to stay updated of the industry trends.
2. **Leadership and Communication:** Graduates will exhibit strong leadership qualities enabling them to manage projects, work in inter disciplinary teams and communicate complex technical information using contemporary tools in a global environment.
3. **Ethical and Social Responsibility:** Graduates will demonstrate a commitment to professional ethics, understand the broader impacts of engineering solutions on society and the environment and apply their engineering skills to address global challenges in sustainability, health, and safety
4. **Lifelong Learning:** Graduates will successfully establish themselves in professional engineering roles in various industries by engaging in lifelong learning or by participation in professional organizations to continuously improve their knowledge and skills.

GUEST LECTURE

S.A. ENGINEERING COLLEGE
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Poonamallee-Avadi Road, Veeraraghavapuram, Thiruverkadu, Chennai – 600 077.
DEPARTMENT OF MECHANICAL ENGINEERING
Organized
AWARENESS PROGRAM ON ROLE OF SIMULATION AND ANALYSIS IN RESEARCH & DEVELOPMENT USING ANSYS

Resource Person
Mr. M. Gokul Raj,
Senior Application Engineer,
Entuple Technologies Pvt Ltd.

Venue:
Mechanical Seminar Hall

3rd March 2022
@ 02.00 pm

The Department of Mechanical Engineering has conducted a Guest lecture on the topic “Hands on Training” on 3rd March 2022.

Resource Person - Mr. M. Gokul Raj, Senior Application Engineer, Mechanical, Entuple Technologies Pvt Ltd.

The Department of Mechanical Engineering has conducted a workshop on the topic “Application of CFD in Engineering” on 4th March 2022.

Resource Person - Mr. G. Sathish, Senior Application Engineer, Mechanical, Entuple Technologies Pvt Ltd.

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DEPARTMENT OF MECHANICAL ENGINEERING
Organized
INNOVATIVE IN ENGINEERING USING COMPUTATIONAL FLUID DYNAMICS

Resource Person
Mr. G. SATHISH,
Senior Application Engineer,
Entuple Technologies Pvt Ltd.

Venue:
Mechanical Seminar Hall

4th March 2022
@ 02.00 pm

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DEPARTMENT OF MECHANICAL ENGINEERING
In Association with INSTITUTION'S INNOVATION COUNCIL
Organizes
GUEST LECTURE ON "LATEST TRENDS AND DEVELOPMENT IN INSTRUMENTATION"

Mr. N. Venkatesan,
JMD,
SAKTHI ENGINEERING,
SIDCO INDUSTRIAL ESTATE,
KAKKALUR, THIRUVALLUR.

PARTICIPANTS :
Final Years

Venue:
Mechanical Seminar Hall

02nd May 2022
@ 10.00 am

The Department of Mechanical Engineering has conducted a Guest lecture on the topic “Latest Trends in Instrumentation” on 2nd May 2022.

Resource Person - Mr. N. Venkatesan, JMD, Sakthi Engineering, SIDCO Industrial Estate, Kakkalur, Thiruvallur.

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DEPARTMENT OF MECHANICAL ENGINEERING
In Association with INSTITUTION'S INNOVATION COUNCIL
Organized

GUEST LECTURE ON "RESEARCH & DEVELOPMENT IN INSTRUMENTATION HANDLING AND GD&T"



Venue:
Mechanical Seminar Hall

PARTICIPANTS:
Second Years

02nd May 2022
@ 2.00 pm

Mr. N. Venkatesan,
JMD

The Department of Mechanical Engineering has conducted a Guest lecture on the topic "Instrumentation Handling and GD & T" on 2nd May 2022.

Resource Person - Mr. N. Venkatesan, JMD, Sakthi Engineering SIDO Industrial Estate, Kakkalur, Thiruvallur.

The Department of Mechanical Engineering has conducted a Expert Talk on Innovation Development & Technology readiness level and communication of lab Technologies and Tech transfer on 26th February 2022.

Resource Person - Mr. R. Santhosh Raj, Business Development Manager, BYJUS.



WORKSHOP

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Poonamallee-Avadi Road, Veeraraghavapuram, Thiruverkadu, Chennai - 600 077.

Department of Mechanical Engineering & INSTITUTION'S INNOVATION COUNCIL Organizes

An Online Workshop on INNOVATIVE MANUFACTURING TECHNOLOGIES FOR THE NEXT GENERATION ADVANCED CERAMICS AND COMPOSITES FOR HIGH PERFORMANCE APPLICATIONS



Dr. rer. nat. Ravi Kumar
Professor and Head, IIT- Madras

4th April 2022
02.00 to 3.00 PM

The Department of Mechanical Engineering has conducted a workshop on the topic "Research Scopes in Advanced Manufacturing Processes on 4th April 2022. Resource Person - Dr. M. Duraiselvam, Professor, Department of Production Engineering, Dean-Planning and Development, NIT, Trichy.

VALUE ADDED COURSE



The Department of Mechanical Engineering has conducted a Value added course have been conducted to our students on the topic of Geometric dimensioning and tolerance on 7.3.22 to 9.3.22 and 15.3.22 & 29.3.22.

PLACEMENT TRAINING

The Department of Mechanical Engineering has conducted a Value added course have been conducted to our students by Core industrial Placement Training on Factory and Process Automation Phase- I on 27.12.21 to 30.12.21, 3.1.22 to 6.1.22 and 2.3.22 to 3.3.22.



The Department of Mechanical Engineering has conducted a Value added course have been conducted to our students by Core industrial Placement Training on Factory and Process Automation Phase II 3.1.22 to 7.1.22.

FDP / SEMINAR / WORKSHOP/ SYMPOSIUM ORGANIZED

S.N O.	NATURE OF PROGRAM (SEMINAR, WORKSHOP ,FDP)	NAME OF THE PROGRAM	DETAILS OF THE GUEST(S)	DATE & DURATION	VENUE
1.	Online National Workshop	Two days virtual Workshop on “Artificial Intelligence and Machine Learning Approach in Renewable Energy Systems”	<p>Dr.Sendhil Kumar NatarajanNIT,Puducherry</p> <p>Dr.Raj K Jaiswal , School of Computer Science Engineering and Technology,Bennett University, UP,India.</p> <p>Dr.S.Chitrakala Professor,CEG-Anna University, Chennai.</p> <p>Dr.S.Albert Kongu Engineering Alexander Ph.D., PDF (USA)., SMIEEE.,College.</p> <p>Dr.Sivakumar M Research Engineer, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University, Kancheepuram.</p>	4th to 9th March 2022	Online
2.	Online National Workshop	1 WEEK ONLINE WORKSHOP ON "Research Scopes in Advanced Manufacturing Processes"	<p>Dr.Rer.Nat. Ravi Kumar, Professor, IIT Madras Dr.-Ing.</p> <p>M.Duraiselvam Professor, NIT Trichy</p> <p>Dr.P.Sevel Professor, S.A. Engineering College</p> <p>Dr.Alok Satapathy Professor, NIT Rourkela</p> <p>Dr.Prasanta Sahoo Professor, Jadavpur University, Kolkata</p> <p>Mr.C.Chenna Raidu Scientist – E, ToT Dvision, CVRDE, DRDO, Chennai</p>	4th to 9th April 2022	Online

AWARDS / INVITATIONS RECEIVED BY FACULTY

S.NO	NAME OF THE FACULTY	AWARDS /INVITATION RECEIVED		
		DATE	NATURE OF AWARD/ INVITATION	GRANTING AUTHORITY/JOURNAL/CONFERENCE
1.	Dr.S.Baskar	25-02-2022	Invitation to be a speaker	Vel Tech Multi Tech DR. SR Engg. College

AWARDS / INVITATIONS RECEIVED BY STUDENTS

S.NO	NAME OF THE STUDENT	AWARDS /INVITATION RECEIVED		
		DATE	NATURE OF AWARD/ INVITATION	GRANTING AUTHORITY/JOURNAL/CONFERENCE
	Arul Muthu Kumaran	25.03.22	Completion certificate of In Plant Training	Hyundai Motor Ltd.
	Nirmal S			

STUDENTS PARTICIPATION

S. NO	DATE	EVENT	VENUE	NAME OF PARTICIPANTS & YEAR	PROFESSIONAL BODY/AFFILIATION /DETAILS OF SPONSORSHIP (IF ANY)	RE-MARK
1.	18.01.22	Quiz	Alpha College	Yeshvanth/III	Alpha College	2 nd Prize
2.	25.04.22	Body Building	Mr.RMD Classic-2022 Thiruvallur	K.Sakthi manikandan/IV	Thiruvallur District Amateur Body Building and Fitness Association	3 rd Prize
3.	6.05.22	Speech	TN Government Speech	Nilavazhaga/III	TN Government Speech	Participated
4.	15.05.22	Seminar	CGI(Anna University)	Amirullakhan .H/III	Thiruvallur District Amateur Body Building and Fitness Association	3 rd Prize
5.	27.05.22	Hit the Humour	CIT	Venkatesh/III	CIT	1 st Prize

FACULTY PUBLICATION

S. NO	NAME OF THE FACULTY	PAPERS PUBLISHED			
		Title of the paper	Name of the Journal/Conference with vol no, issue no, page no and impact factor.	Date of publication / presentation	DOI and Annexure details(refer Annexure details of Anna University, Chennai)
1.	Dr. S. Vishvanathperumal	Properties of SBR/NR Blend: The Effects of Carbon Black/Silica (CB/SiO ₂) Hybrid Filler and Silane Coupling Agent	Silicon	22/01/2022	SCI https://doi.org/10.1007/s12633-022-01675-x
2.	Dr. S. Vishvanathperumal	Modeling tensile modulus of nanoclay filled ethylene-propylene-diene monomer/styrene-butadiene rubber using composite theories	Journal of Rubber Research	23/01/2022	SCI https://doi.org/10.1007/s42464-021-00140-5
3.	Mr. S. Praveenkumar and Dr. S. Baskar	Intensification of proton conductivity through polymer electrolytic membrane using novel electrode pattern	Journal of the Indian Chemical Society	03/03/2022	SCI https://doi.org/10.1016/j.jics.2022.100383
4.	Mr.D.Srinivasanand Dr. P. Sevvel	A review on Cold Metal Transfer (CMT) technology of welding	Materials Today Proceedings	27/04/2022	WoS & Scopus https://doi.org/10.1016/j.matpr.2022.04.016
5.	Dr. P. Sevvel	Effect of Tool Pin Geometry and Process Parameters During FSW of Dissimilar Alloys of Mg	Materials Research	18/02/2022	SCI https://doi.org/10.1590/1980-5373-MR-2021-0508
6.	Dr.P.Sevvel	Generation of force and torque during joining of AZ91C plates by FSW under distinctive tool tilt angle and their impact on mechanical strength and micro-structure”,	Journal of Adhesion Science and Technology	30/03/2022	SCI https://doi.org/10.1080/01694243.2022.2057763
7.	Dr.P.Sevvel	A brief review on the manufacturing of metal components using selective laser melting	Materials Today Proceedings	20/04/2022	SCOPUS https://doi.org/10.1016/j.matpr.2022.04.213

8.	Dr.P.Sevvel	A review on additive manufacturing of alloys using laser metal deposition	Materials Today Proceedings	05/04/2022	SCOPUS https://doi.org/10.1016/j.matpr.2022.03.510
9.	K.Suresh	Effect of Silane Treated Wheat Husk Biosilica (WHB) Deionized Water Dielectric on EDM Drilling of Ti-6Al-4V Alloy	Silicon	23/01/2022	SCI https://doi.org/10.1007/s12633-021-01526-1
10.	Mr. S.R.Venkataraman	Optical Microstructure, FESEM, Micro Tensile and Micro Hardness properties of LM 25- B4Cnp-Grnp hybrid composites manufactured by Selective Laser Melting	Advances in Materials science and Engineering	03/06/2022	SCI https://doi.org/10.1155/2022/3177172
11.	Mr. D.Prakash	Experimental investigation on the average surface roughness (Ra) of AlSi10Mg alloy manufactured by L-PBF method	Advances in materials science and engineering	04/05/2022	SCI https://doi.org/10.1155/2022/5874875
12.	Mr.S.Dhanasekar	Study of Mechanical properties on Ferric oxide microparticles reinforced with polyethylene	Advances in Materials science and Engineering	10/05/2022	SCI https://doi.org/10.1155/2022/3077301
13.	Dr. S Baskar	Optimization of Process Parameter on AA8052 Friction StirWelding Using Taguchi's Method	Advances in Materials Science and Engineering	14/06/2022	SCI https://doi.org/10.1155/2022/3048956

Patent-Student Intellectual Property Rights

DATE	APPLICANT NAME	TOPIC WITH IPR APPLICATION NUMBER
11/02/2022	Venkatesh B Rajasekar R Pushparaj R Suresh Vasanth SR Manikandan R	Low-cost Semi-automatic Fabric cutting machine for small scale garments App No.: 202241005792 Published
11/02/2022	Sheshadri V	Micro-Biomaterial Based Biodiesel Deriving Through Esterification App No.: 202241004739 Published

Patent-Faculty Intellectual Property Rights

DATE	APPLICANT NAME,DEPT	TOPIC WITH IPR APPLICATION NUMBER
04/02/2022	Mr.D.Srinivasan, Mr.C.Dhanesh Dr.P.Sevvel	Mobile app controlled Wheel Chair with Height Adjustment MechanismApp No.: 202241004331Published
11/02/2022	Mr. Vasanth Roy J Mr. Roossvelt Prabhu Mr. Sathishkumar V	Low-cost Semi-automatic Fabric cutting machine for small scale garmentsApp No.: 202241005792Published
11/02/2022	Mr. S. Dhanasekar Dr. S. Ramachandran Mr. D. Prakash Dr. S. Baskar	Micro-Biomaterial Based Biodiesel Deriving Through EsterificationApp No.: 202241004739Published
16/02/2022	Mr. S. Praveen Kumar Mr. K. Parthasarathy Mr. G. Prabakaran Dr. S. Baskar Dr. S. Ramachandran	Novel X electrode flow channel to improve the performance of PEMFCAApp No.: 202241008128Filed
04/03/2022	Mr. Ramu K N Mr. Manimaran K Mr. Sivaramakrishnan A Mr.Vasanth Roy J	A low-cost ecofriendly multi-purpose machine for washing and grinding.202241010387Published
06/05/2022	Mr. C. Krishnamurthy Mr. S. R.Venkataraman Mr. K. Suresh Mr. J. Vasanth Roy	Pneumatic Assisted Garbage Bin Modified For Effortless Handling202241023444Published
06/05/2022	Mr.Sabari Raj V Mr.Jeeva R Mr.Rajarajan S J Mr.Vasanth Roy J	Aerodynamically Efficient Unmanned Aerial Vehicles for Blood Transportation202241023697Published
13/05/2022	Mr. R. Jeeva	A Data Processing Device For Electric Vehicle Based on IOT202241025599Published

FACULTY ATTENDED

FDP / SEMINAR / WORKSHOP / CONFERENCE

S.NO	NAME OF THE FACULTY	SEMINAR/ WORKSHOP/CONFERENCE/CEP/FDP/QIP ATTENDED	NAME OF THE PROGRAMME	VENUE	SPONSORS IF ANY	DATE / DURATION
1.	Dr.P.Sevvel	FDP	Online FDP on "Modern Materials, Advanced Technologies for Infrastructure & Modelling of Mechanical Behavior of Composite Materials"	Online	Vel Tech High Tech Dr.Sakunthala Engineering College, Chennai	14/05/2022 - 19/03/2022
2.		Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
3.		Conference	International Conference on Advanced Materials for Innovation and Sustainability	Online	MLR Institute of Technology	18/03/2022 - 19/02/2022
4.		Conference	1st International Virtual Conference on Advances in Automobile, Manufacturing and Mechanical Engineering (ICAAMME 2022)	Online	Easwari Engineering College	11/03/2022
5.	Mr.S.R.Venkataraman	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
6.		FDP	Finite Element Modeling of Welding Processes	Online	NPTEL - AICTE(Funded by the MoE, Govt. of India)	Jan - Apr 2022 (12 weeks)
7.	Mr.D.Srinivasan	FDP	Online FDP on "Modern Materials, Advanced Technologies for Infrastructure & Modelling of Mechanical Behavior of Composite Materials"	Online	Vel Tech High Tech Dr.Sakunthala Engineering College, Chennai	14/03/2022 - 19/03/2022
8.		Conference	International Conference on Advanced Materials for Innovation and Sustainability	Online	MLR Institute of Technology	18/02/2022 - 19/02/2022

9.	Mr.C.Dhanesh	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
10.		FDP	Online FDP on "Modern Materials, Advanced Technologies for Infrastructure & Modelling of Mechanical Behavior of Composite Materials"	Online	Vel Tech High Tech Dr.Sakunthala Engineering College, Chennai	14/03/2022 - 19/03/ 2022
11.		FDP	Six Day Online FDP on " APPLIED THERMODYNAMICS FOR ENGINEERS"	Online	Sri Venkateshwara College of Engineering	31/03/2022 - 07/04/ 2022
12.		FDP	Five Day FDP on Applications of Machine Learning in Healthcare Technology	Narayana Engineering College, Nellore	Narayana Engineering College, Nellore	22/02/2022 - 26/02/2022
13.	Mr.C.Krishnamurthy	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
14.		Online FDP	Online FDP on " Modern Materials, Advanced Technologies for Infrastructure & Modelling of Mechanical Behavior of Composite Materials"	Online	Vel Tech High Tech Dr. Sakunthala Engineering College, Chennai	14/03/2022 - 19/03/ 2022
15.	Mr.S.Dhanasekar	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
16.		Online FDP	Online FDP on " Modern Materials, Advanced Technologies for Infrastructure & Modelling of Mechanical Behavior of Composite Materials"	Online	Vel Tech High Tech Dr. Sakunthala Engineering College, Chennai	14/03/2022 - 19/03/ 2022
17.	Mr.K.Parthasarathy	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022

18.		Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
19.	Mr. R.Jeeva	Online FDP	Online FDP on " Modern Materials, Advanced Technologies for Infrastructure & Modelling of Mechanical Behavior of Composite Materials"	Online	Vel Tech High Tech Dr. Sakunthala Engineering College, Chennai	14/03/2022 - 19/03/ 2022
20.	Mr.K.Suresh	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
21.	Mr. V. Sabari raj	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
22.		Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
23.		FDP	Six Day Online FDP on " APPLIED THERMODYNAMICS FOR ENGINEERS"	Online	Sri Venkateshwara College of Engineering	31.03.2022 to 07.04.2022
24.	Mr. A. Sivaramakrishnan	Online FDP	Online FDP on " Modern Materials, Advanced Technologies for Infrastructure & Modelling of Mechanical Behavior of Composite Materials"	Online	Vel Tech High Tech Dr. Sakunthala Engineering College, Chennai	14/03/2022 - 19/03/ 2022
25.		FDP	Three-day FDP on ANSYS and Computational Fluid Dynamics	Hindustan College of Engineering and Technology, Coimbatore	Hindustan College of Engineering and Technology, Coimbatore	07/02/2022 - 09/02/2022
26.		FDP	Five Days Online FDP on Recent Innovations and Developments in Energy Technologies (RIDET)	Online	Velammal Engineering College	24/01/2022 - 29/01/2022

27.		Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
28.	Mr.G.Prabakaran	Online FDP	Online FDP on " Modern Materials, Advanced Technologies for Infrastructure & Modelling of Mechanical Behavior of Composite Materials"	Online	Vel Tech High Tech Dr. Sakunthala Engineering College, Chennai	14/03/2022 - 19/03/ 2022
29.	Mr.K.A.V. Roosvelt prabhu	Online FDP	Online FDP on " Modern Materials, Advanced Technologies for Infrastructure & Modelling of Mechanical Behavior of Composite Materials"	Online	Vel Tech High Tech Dr. Sakunthala Engineering College, Chennai	14/03/2022 - 19/03/ 2022
30.		FDP	FDP on "Emerging Technologies in Mechanical Engineering"	Jeppiar Institute of Technology	Jeppiar Institute of Technology	28.02.2022 - 05.03.2022
31.		FDP	Online UHV Refresher FDP	Online	AICTE	7/02/2022 - 11/02/2022
32.	Mr.K.N.Ramu	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
33.		FDP	FDP on "Emerging Technologies in Mechanical Engineering"	Jeppiar Institute of Technology	Jeppiar Institute of Technology	28.02.2022 - 05.03.2022
34.	Mr.V.Sathishkumar	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
35.		Online FDP	Online FDP on " Modern Materials, Advanced Technologies for Infrastructure & Modelling of Mechanical Behavior of Composite Materials"	Online	Vel Tech High Tech Dr. Sakunthala Engineering College, Chennai	14/03/2022 - 19/03/ 2022
36.	Mr.S.Praveenkumar	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
37.	Dr.S.Vishvanath Perumal	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022

38.	Mr. S.J.Rajaraman	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
39.		FDP	FDP on "Emerging Technologies in Mechanical Engineering"	Jeppiar Institute of Technology	Jeppiar Institute of Technology	28.02.2022 to 05.03.2022
40.		FDP	Six Day Online FDP on " APPLIED THERMODYNAMICS FOR ENGINEERS"	Online	Sri Venkateshwara College of Engineering	31.03.2022 - 07.04.2022
41.	Mr.J.Vasanth Roy	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
42.		Coursera	Finite Element Analysis Convergence and Mesh Independence	Online	Coursera Project Network	18/05/ 2022
43.		Online Training Course	Optimization Onramp	Online	Math Works Training Services	05/05/2022
44.	Mr.K.Manimaran	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
45.		Online FDP	Online FDP on " Modern Materials, Advanced Technologies for Infrastructure & Modelling of Mechanical Behavior of Composite Materials"	Online	Vel Tech High Tech Dr. Sakunthala Engineering College, Chennai	14/03/2022 - 19/03/ 2022
46.		FDP	FDP on "Emerging Technologies in Mechanical Engineering"	Jeppiar Institute of Technology	Jeppiar Institute of Technology	28.02.2022 - 05.03.2022
47.	Mr.D.Prakash	Workshop	2 Days Virtual Workshop on "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING APPROACH IN RENEWABLE ENERGY SYSTEMS"	Online	S.A.Engineering College	04/03/2022 - 05/03/2022
48.		Online FDP	Online FDP on " Modern Materials, Advanced Technologies for Infrastructure & Modelling of Mechanical Behavior of Composite Materials"	Online	Vel Tech High Tech Dr. Sakunthala Engineering College, Chennai	14/03/2022 - 19/03/ 2022
49.		FDP	Three-day Faculty Development Programme on ANSYS and Computational Fluid Dynamics	Hindusthan College of Engineering and Technology, Coimbatore	Hindusthan College of Engineering and Technology, Coimbatore	7/02/2022 - 09/02/2022

PATENTS, AWARDS & INVITATION RECEIVED BY FACULTY

DATE	APPLICANT NAME, DEPT	TOPIC WITH IPR APPLICATION NUMBER
04/02/2022	Mr.D.Srinivasan,Mr.C.Dhanesh andDr.P.Sevvel Dept of Mechanical Engineering, S.A. Engineering College, Chennai	Mobile app controlled Wheel Chair with Height Adjustment Mechanism App No.: 202241004331 Published
11/02/2022	Mr. Vasanth Roy J Mr. Roosvelt Prabhu Mr. Sathishkumar V Dept of Mechanical Engineering, S.A. Engineering College, Chennai	Low-cost Semi-automatic Fabric cutting machine for small scale garments App No.: 202241005792 Published
11/02/2022	Mr. S. Dhanasekar Dr. S. Ramachandran Mr. D. Prakash Dr. S. Baskar Dept of Mechanical Engineering, S.A. Engineering College, Chennai	Micro-Biomaterial Based Biodiesel Deriving Through Esterification App No.: 202241004739 Published
16/02/2022	Mr. S. Praveen Kumar Mr. K. Parthasarathy Mr. G. Prabakaran Dr. S. Baskar Dr. S. Ramachandran Dept of Mechanical Engineering, S.A. Engineering College, Chennai	Novel X electrode flow channel to improve the performance of PEMFC App No.: 202241008128 Filed
04/03/2022	Mr. Ramu K N Mr. Manimaran K Mr. Sivaramakrishnan A Mr. Vasanth Roy J	A low-cost ecofriendly multi-purpose machine for washing and grinding. 202241010387 Published
06/05/2022	Mr. C. Krishnamurthy Mr. S. R. Venkataraman Mr. K. Suresh Mr. J. Vasanth Roy	Pneumatic Assisted Garbage Bin Modified For Effortless Handling 202241023444 Published
06/05/2022	Sabari Raj V Jeeva R Rajarajan S J Vasanth Roy J	Aerodynamically Efficient Unmanned Aerial Vehicles for Blood Transportation 202241023697 Published
13/05/2022	Mr. R. Jeeva	A Data Processing Device For Electric Vehicle Based on IOT 202241025599 Published

PATENTS APPLIED / PUBLISHED

SL.NO	APPLICANTS NAME	TOPIC	APPLICATION NUMBER	STATUS (PUBLISHED/ APPLIED)
1	Sabari Raj VJeeva RRajarajan S J Vasanth Roy J	Aerodynamically Efficient Unmanned Aerial Vehicles for Blood Transportation	App No.:202241023697	Published on 06/05/2022
2	Mr. C. Krishnamurthy Mr. S. R. Venkataraman Mr. K. Suresh Mr. J. Vasanth Roy	Pneumatic assisted garbage bin modified for effortless handling	App No.: 202241023444	Published on 06/05/2022

FACULTY INTERACTION WITH OUTSIDE WORLD

S.NO	NAME OF THE FACULTY	DETAILS OF INTERACTION WITH OUTSIDE WORLD
1.	Dr. S. Baskar	Presented a lecture on the topic on “How to Write an Effective Research Paper” organized by the Department of Mechanical Engineering, Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College.



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