

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'21

Annual Technical Magazine 2020 - 2021

DEPARTMENT OF MECHANICAL ENGINEERING

VISION OF THE COLLEGE

Transform our institution into quality centre imparting updated technical education with character building.

MISSION OF THE COLLEGE

- To create an excellent teaching and learning environment for our staff and students to realize their full potential thus enabling them to contribute positively to the community.
- To significantly enhance the self-confidence level for developing creative skills of staff and students.

VISION OF THE DEPARTMENT

- **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.
- **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 OF THE DEPARTMENT

- **Conducive Environment:** To provide conducive atmosphere for effective teaching-learning by disseminating the knowledge in breadth and depth.
- **Centre of Excellence:** To practice modern tools and techniques so as to make our department a Centre of Excellence and sustainable in their growth.
- **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
- **Active Involvement in R&D:** To provide a perfect platform for our faculty and students to undertake research activities.
- **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.
- **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 (PEOs)

I. Technical Learning : To develop the ability among students to synthesize and analyze data and technical concepts for application to engineering problems and to work as part of teams on multi disciplinary projects.

II. Expertise in Engineering : To provide students with a sound foundation in the basic sciences and mathematics enabling them to analyze and solve engineering problems and to prepare them for higher learning and research works.

III. Enhancement of Knowledge : To prepare students for successful careers in industry by catering to the needs of Indian and multinational companies through in- plant training and industrial real time projects which shall give more industrial exposure and practices inculcating professional ethics and codes of professional practice.

IV. Self Competence and Sustainability : To orient students with more Soft skills, personality development programmes enabling them a sustainable growth in their careers and to take up leadership positions.

PROGRAMME OUTCOMES (POs)

Engineering Graduates will be able to:

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis:** Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. Modern tool usage:** Create, select, and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of ,and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technologic

PROGRAMME SPECIFIC OUTCOMES (PSOs)

1. **Modernization/trends/automation:** Graduates will be able to design, develop and operate or document newer mechanical systems or processes using emerging practices enhancing the productivity.

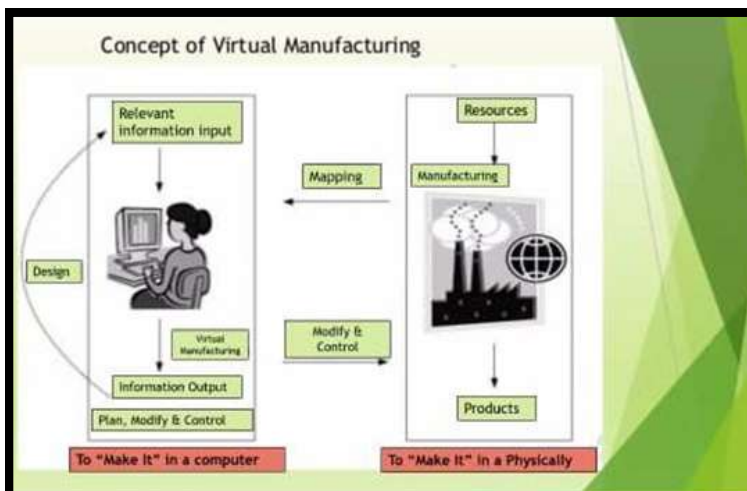
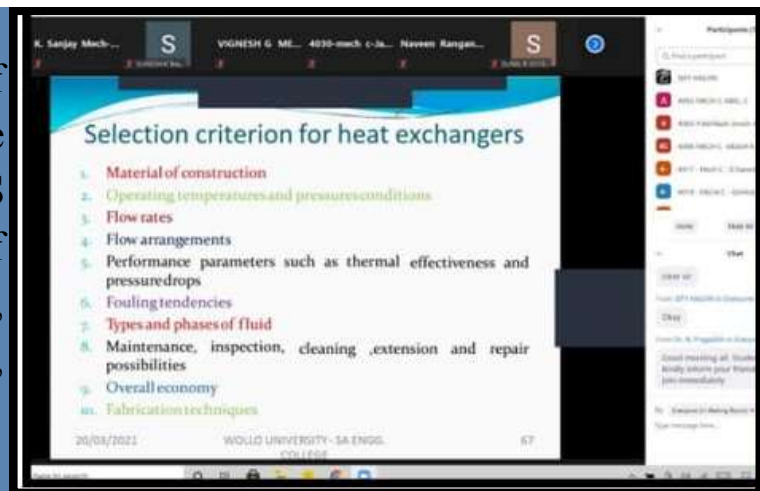
2. **Optimization and refinement:** Graduates will be able to find sustainable, Cost effective and environmental friendly measures to existing technology.

GUEST LECTURE



On 19.3.2021, The department of Mechanical Engineering has organized the Guest Lecture on “CAREER AWARENESS ” . felicitated the chief guest Mr. Gokulakannan Narasimhan, HR Rectruiter, INTUIT.

On 20.3.2021 The department of Mechanical Engineering has organized the Guest Lecture on “HEAT EXCHANGERS AND ITS APPLICATIONS” ,the chief guest Dr.A. Haiter Lenin,Professor, Department of Mechanical Engineering, WOLLO University, Kombolcha, Ethiopia.



On 27.03.2021The department of Mechanical Engineering has organized the Guest Lecture on “VIRTUAL MANUFACTURING”. Felicitated the chief guest Ms. Sridevi M, Senior Manufacturing Engineer, Caterpillar, Ascendes IT PARK, TARAMANI.

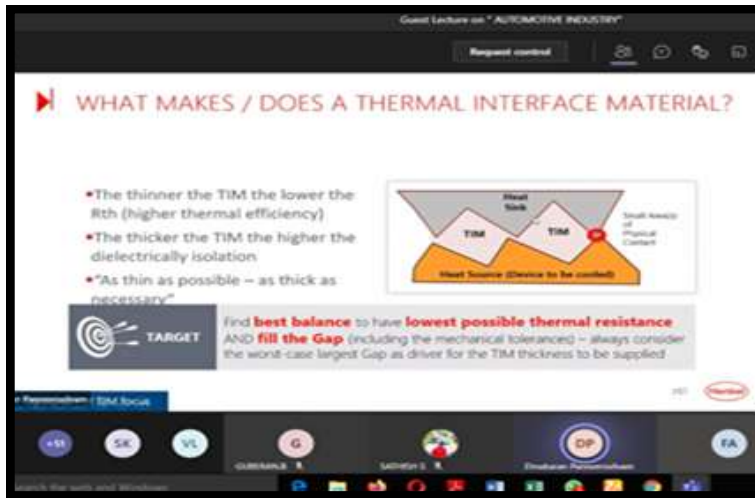


On 06.05.2021, The department of Mechanical Engineering has organized the Guest Lecture on “Recent Trends in IC Engines”. Felicitated the chief Logesh Ramamoorthy, Technical Project Leader, Product Development (US/LT-Team)Apollo Tires, Germany.

On 08.05.2021, The department of Mechanical Engineering has organized the Guest Lecture on “Simulation in Manufacturing Engineering”. Felicitated the chief Ms. Sridevi M, Senior Manufacturing Engineer, Caterpillar, Ascendes IT PARK, TARAMANI.

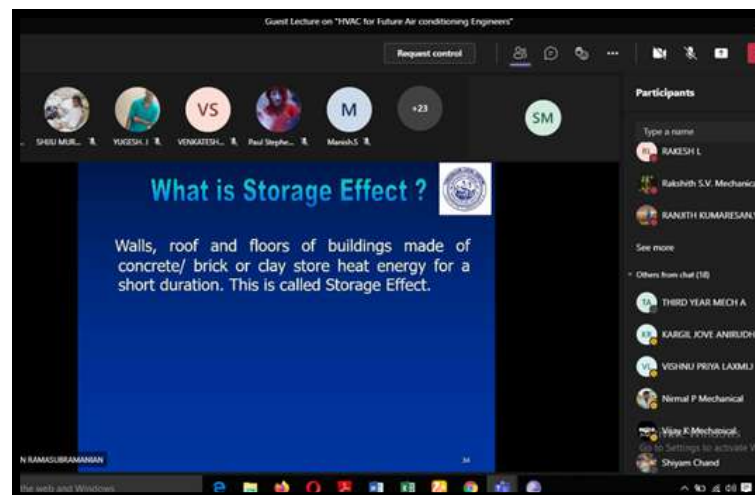
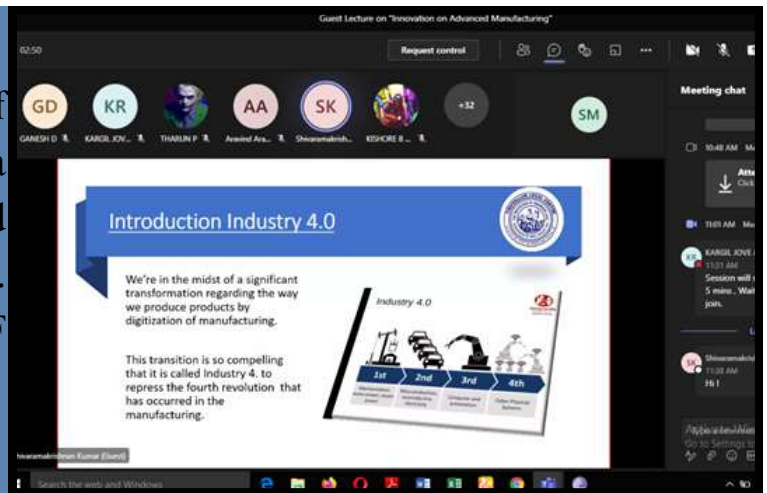


On 27.08.21, The Department of Mechanical Engineering has conducted a Career Awareness and Entrepreneurship Programme, Resource Person - Mr. Gokulakannan Narasimhan, Senior Recruiter, Servicenow.

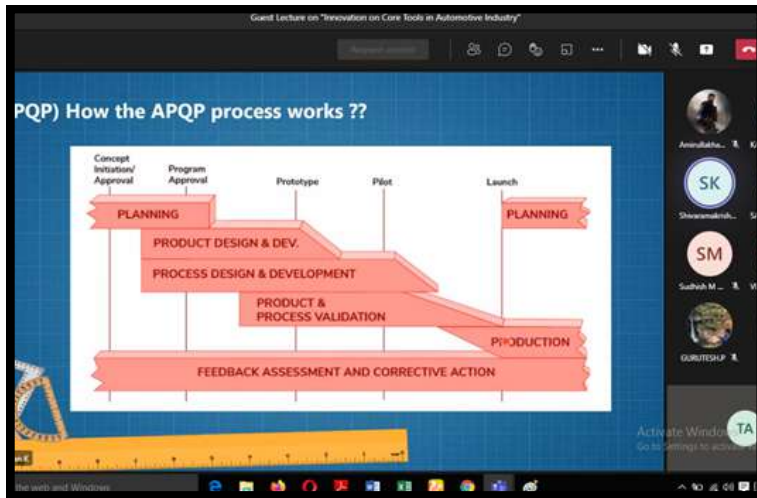


On 08.09.21, The Department of Mechanical Engineering has conducted a Guest Lecture on “Automotive Industry”, Resource Person - Mr. P. Dinakaran, Deputy Manager, Technical Customer Service –South Henkel Adhesive Technologies India Pvt Ltd.

On 23.10.21, The Department of Mechanical Engineering has conducted a Guest Lecture on “Innovation on advanced Manufacturing”, Resource Person-Mr. Sivaramakrishnan .K, Project Manager, ZF WABCO.

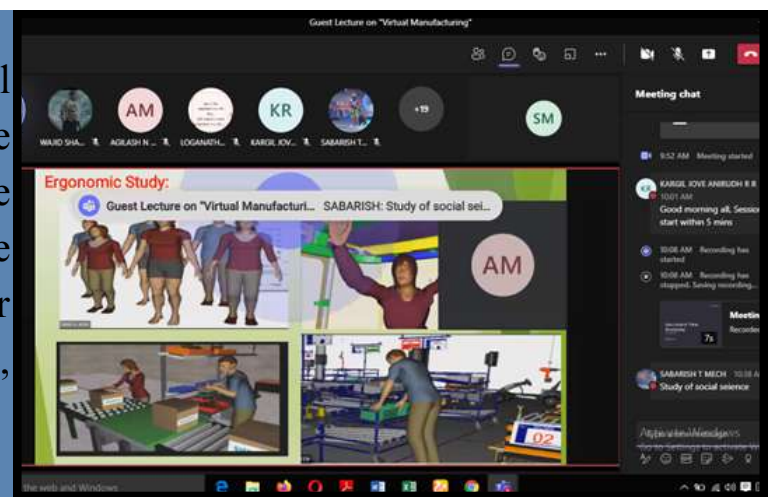


On 23.10.21, The Department of Mechanical Engineering has conducted a Guest Lecture on “Automotive Industry”, Resource Person - Mr. P. Dinakaran, Deputy Manager, Technical Customer Service –South Henkel Adhesive Technologies India Pvt Ltd.



On 31.10.21 The Department of Mechanical Engineering has conducted a Guest Lecture on “Innovation on Core Tools in Automotive Industry”, Resource Person-Mr. Sivaramakrishnan .K, Project Manager, ZF WABCO

On 05.11.21 The Department of Mechanical Engineering has conducted a Guest Lecture on “Innovation on Core Tools in Automotive Industry”, Resource Person-Ms. Sridevi M, Senior Manufacturing Engineer, Caterpillar, Ascendes IT PARK, TARAMANI

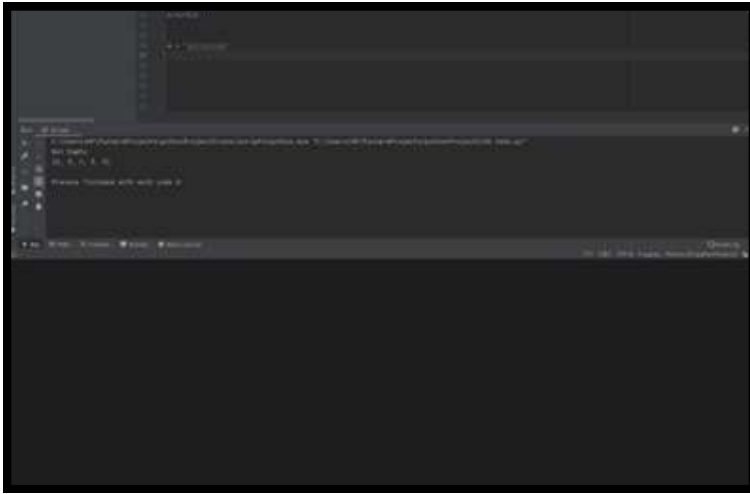


GUEST LECTURE



On 27.01.21 The Department of Mechanical Engineering has conducted a Webinar on “Electric Vehicle”, Resource Person-Mr.Rajendra Prasad Nalluri Head Business Support Cloud Kampus.

WORKSHOP



On the month of March, April, May, The department of Mechanical Engineering has organized the workshop on the topic “ASHTRIX Robotics”, which is organized by Robotics and Research Centre Flat T2 Block 1 No 30 Arunachalam Road Saligramam.

Our students have attend the workshop on the title Research Scopes in Additive Manufacturing form 20.09.21 to 24.09.21 to the students of year from II,III & IV year, Resource person Dr. M. Duraiselvam, Professor, Department of Production Engineering, Dean-Planning and Development, NIT, Trichy.

A slide for a 5-day online workshop. It features a yellow background with a glowing lightbulb icon. On the left, there are two small video thumbnails showing participants. The text on the right reads: "5 Days Online Workshop on RESEARCH SCOPES IN ADDITIVE MANUFACTURING", "Day 02 'Additive Manufacturing Technology- An Overview'", and "Dr.-Ing. M. Duraiselvam Professor, Department of Production Engineering and Dean - Planning and Development, National Institute of Technology, Trichy-640 010".

Velcome Address by Dr. P. Sevel



On 20.10.21 The Department of Mechanical Engineering has been conducted as 5 Days Online National Workshop on Research Scopes in Additive Manufacturing Dr. T. Ram Prabhu, Scientist – D, CEMILAC, DRDO, Bengaluru. Dr.-Ing. M. Duraiselvam, Professor, NIT-Trichy Dr. K. Senthilkumaran, AP/Mech, IIITDM Kancheepuram. Dr. Sagar M, Baligheid Associate Professor, CMR Institute of Technology, Bengaluru Dr.P.Sevel Professor, Mechanical SAEC

STUDENTS PLACEMENT ACTIVITIES

S.NO	STUDENT NAME	COMPANY	SALARY PACKAGE
1	AAKASH M	NVH AUTO PARTS	1.50 LPA
2	ABISHEK G	KONRAD TECHNOLOGIES	3 LPA
3	ALWIN RAJ A S	AVASOFT	5 LPA
4	ARUN B	CYBER BOT	1.80 LPA
5	ARUN V K	ROBOTRIX	2.16 LPA
6	ASAD AHMED R	KONRAD TECHNOLOGIES	3 LPA
7	BALAJI S	EMERSON	4.45 LPA
8	BALASUBRAMANI R K	CYBER BOT	1.80 LPA
9	BENNY SOLOMON P	AVASOFT	5 LPA
10	BHUVANESWARAN S	NVH AUTO PARTS	1.50 LPA
11	CHARLES RICHARD S	KONRAD TECHNOLOGIES	3 LPA
12	DHINAKARAN A	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
13	GIRI ARASAN K	EMERSON	4.45 LPA
14	GIRIDHARAN B	NVH AUTO PARTS	1.50 LPA
15	GLADSTON J	KONRAD TECHNOLOGIES	3 LPA
16	HEMATH KUMAR M	CYBER BOT	1.80 LPA
17	JEAN MESLIE P	ROBOTRIX	2.16 LPA
18	KARTHIK J	AVASOFT	5 LPA
19	LOKESH R	KONRAD TECHNOLOGIES	3 LPA
20	MAHESHWARAN M	ROBOTRIX	2.16 LPA
21	MANOJKUMAR V	CYBER BOT	1.80 LPA
22	MOHAMMED BURHAN S	ROBOTRIX	2.16 LPA
23	MOHAN P	NVH AUTO PARTS	1.50 LPA
24	MOKESH DHARAN R	HDFC BANK	1.80 LPA
25	PERUMAL P V	CYBER BOT	1.80 LPA
26	PRADEEP A P	KONRAD TECHNOLOGIES	3 LPA
27	PRADISH KUMAR B	ROBOTRIX	2.16 LPA
28	PRAVEEN G	CYBER BOT	1.80 LPA
29	RAHUL H	KONRAD TECHNOLOGIES	3 LPA
30	RAJBALAJI G	NVH AUTO PARTS	1.50 LPA
31	RAJESH KUMAR R	ROBOTRIX	2.16 LPA
32	RAMACHANDRAN S	KONRAD TECHNOLOGIES	3 LPA
33	RATHEESKUMAR R	AVASOFT	5 LPA
34	ROHITH M	NVH AUTO PARTS	1.50 LPA
35	SATHYA E	KONRAD TECHNOLOGIES	3 LPA
36	SHANJEEVA DARSHANAN	KONRAD TECHNOLOGIES	3 LPA

37	SIVABALAN B	AVASOFT	5 LPA
38	SUBASH S	KONRAD TECHNOLOGIES	3 LPA
39	SUDHARSHAN K	NAVITAS LIFE SCIENCES	1.44 LPA
40	SURIYA S	SUTHERLAND	1.85 LPA
41	THAMEEM ANSARI R	NVH AUTO PARTS	1.50 LPA
42	VINAY KUMAR C A	AVASOFT	5 LPA
43	SUBASH CHANDAR G	KONRAD TECHNOLOGIES	3 LPA
44	TAMIL ARASAN M	NVH AUTO PARTS	1.50 LPA
45	AAKASH R	COGNIZANT	4.01 LPA
46	AAKASH V	CYBER BOT	1.80 LPA
47	ABISHA SARA SEELAN	ROBOTRIX	2.16 LPA
48	AJAY L	NVH AUTO PARTS	1.50 LPA
49	AJITH KUMAR M R	SUTHERLAND	1.85 LPA
50	AKASH PRABU S	ROBOTRIX	2.16 LPA
51	BHARGAV P	SUTHERLAND	1.85 LPA
52	CHARLES NICOLAS J C	KONRAD TECHNOLOGIES	3 LPA
53	EDWIN GERONI D	SUTHERLAND	1.85 LPA
54	GOKUL B	NVH AUTO PARTS	1.50 LPA
55	JEBAN MOSES J	SUTHERLAND	1.85 LPA
56	JESLIN J	KONRAD TECHNOLOGIES	3 LPA
57	JOHANN J	SUTHERLAND	1.85 LPA
58	KEERTHI VASAN R	NVH AUTO PARTS	1.50 LPA
59	KISHORE S	ROBOTRIX	2.16 LPA
60	KOWSIGAN A	SUTHERLAND	1.85 LPA
61	MOHAMED ASFARKHAN H	KONRAD TECHNOLOGIES	3 LPA
62	MOHAN RAJ R	SUTHERLAND-NON VOICE	1.85 LPA
63	PAWAN KUMAR B	NVH AUTO PARTS	1.50 LPA
64	PRAVEEN KUMAR G	NVH AUTO PARTS	1.50 LPA
65	PRIYESH G	KONRAD TECHNOLOGIES	3 LPA
66	PUGAZHENTHI N	IFF INDIA	1.75 LPA
67	PUGAZHENTHIRAN N	ROBOTRIX	2.16 LPA
68	PURUSHOTHAMAN V	NVH AUTO PARTS	1.50 LPA
69	RAJESH KANNAN R	SUTHERLAND-NON VOICE	1.85 LPA
70	ROLLAN JOE R	SUTHERLAND-NON VOICE	1.85 LPA
71	SAM SOLOMON SMILES S	KONRAD TECHNOLOGIES	3 LPA
72	SANTHOSH K	NVH AUTO PARTS	1.50 LPA
73	SATHISH KUMAR A	AVASOFT	5 LPA
74	SHYAM B	GAVS TECHNOLOGIES PVT LTD	3 LPA
75	SIVA A	SUTHERLAND-NON VOICE	1.85 LPA
76	SIVA S	SUTHERLAND	1.85 LPA
77	SRIDHANUSH R	BIZONGO	1.75 LPA

78	SRI RAM K	NVH AUTO PARTS	1.50 LPA
79	VASANTH S	KONRAD TECHNOLOGIES	3 LPA
80	VASANTHA KUMAR P	LBV Automation	3 LPA
81	VASANTHAN S K	NVH AUTO PARTS	1.50 LPA
82	AJITH KUMAR K	HARITA TECHSERV LTD	1.68 LPA
83	MAHESH N	HYUNDAI MOTORS INDIA LTD	4.20 LPA
84	PACKYA PRAVIN S	LBV Automation	3 LPA
85	RAGHAVAN T	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
86	VARADHARAJAN M	ILLUMINE INDUSTRIES PVT LTD	2 LPA
87	ADHARSH B	GREEVA SOFTWARE SOLUTIONS PVT LTD	2 LPA
88	ARAVINTH S	NVH AUTO PARTS	1.50 LPA
89	ARUNKUMAR S	LBV Automation	3 LPA
90	BELBIN J M	NVH AUTO PARTS	1.50 LPA
91	BHUVANESH R	LBV Automation	3 LPA
92	DHANANJAYAN A	NVH AUTO PARTS	1.50 LPA
93	FEWIN VENICKER R	LBV Automation	3 LPA
94	GOWTHAM S	HYUNDAI MOTORS INDIA LTD	4.20 LPA
95	HARIHARAN A	LBV Automation	3 LPA
96	HUMESH N S	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
97	JAYASURIYA S	NVH AUTO PARTS	1.50 LPA
98	JENISH D	LBV Automation	3 LPA
99	KANISH KUMAR R	NVH AUTO PARTS	1.50 LPA
100	LOKESH K	KONRAD TECHNOLOGIES	3 LPA
101	NARESH K	SUTHERLAND	1.85 LPA
102	NAVEEN RAJA P	HYUNDAI MOTORS INDIA LTD	4.20 LPA
103	NAWIN SELVAN PA	AMAZON	3 LPA
104	NISHANTH R O	LBV Automation	3 LPA
105	PRADEEP KUMAR S	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
106	PRAVEEN K	LBV Automation	3 LPA
107	PRITHEVI KRISHNA M	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
108	SANTHOSH A M	LBV Automation	3 LPA
109	SARATH RAJ	SUTHERLAND	1.85 LPA
110	SATHYA NARAYANAN B	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
111	SIVARAMAKRISHNAN S	AMAZON	3 LPA
112	SRIDHAR R	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA

113	SRIKAILASH N	SUTHERLAND	1.85 LPA
114	SUNDARESH B	SUTHERLAND	1.85 LPA
115	SUNIL SEN T	LBV Automation	3 LPA
116	TAMIZHSELVAN J	AMAZON	3 LPA
117	VELAYUTHAM A	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
118	VENKATESH K	AMAZON	3 LPA
119	VIGNESH K	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
120	VIGNESH M	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
121	VIGNESH S	AMAZON	3 LPA
122	VIJAY KUMAR M	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
123	MAGESH V	LBV Automation	3 LPA
124	NAVEENKUMAR V	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
125	PRABIN RAJ R	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
126	VENKATESH P	HYUNDAI MOTORS INDIA LTD	4.20 LPA
127	ABDUL MUJIFDEEN M	AMAZON	3 LPA
128	ABILASH P	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
129	ARUNKUMAR S	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
130	DARWIN SAI S	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
131	DINESH L	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
132	JAGADEESHWARAN V	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
133	KAMALAKANNAN K	EAGLE BURGMANN KE PVT LTD	2.50 LPA
134	KARTHICK RAJA S	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
135	MANISEKAR S	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
136	NAVEEN KUMAR S	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
137	NIKESHRAJ L P	COGNIZANT	4.01 LPA
138	ORUGANTY NITYA PHANI SANTOSH	ACCENTURE SOLUTIONS PVT LTD	4 LPA
139	PRAKASH R	CAPGEMINI TECHNOLOGY SERVICES INDIA LTD	3.50 LPA

140	PRAMODH KUMAR P	FLEXTRONICS TECHNOLOGIES INDIA PVT LTD	3.50 LPA
141	PREM KUMAR P	OMEGA HEALTHCARE MANAGEMENT SERVICES PVT LTD	2.8 LPA
142	RAJA K	OMEGA HEALTHCARE MANAGEMENT SERVICES PVT LTD	2.8 LPA
143	RISHI S	EAGLE SECURITY & PERSONNWL SERVICE	2.50 LPA
144	SAKTHIVEL K	CADD CENTRE TRAINING SERVICES PVT LTD	1.44 LPA
145	SARATH K	COMCAST INDIA ENGINEERING CENTER I LLP	3 LPA
146	VENKAT K	OMEGA TECHNIKS INDIA (P) LTD	2 LPA
147	VENKATESH S	OMEGA HEALTHCARE MANAGEMENT SERVICES PVT LTD	2.8 LPA
148	AJITH K	ENGINE FACTORY AVADI	1.44 LPA
149	BHUVANESHWARAN H	ROBOTRIX	2.16 LPA
150	DINESH S	SUTHERLAND	1.85 LPA
151	JEGADH RAKSHAGAN S	AMAZON	3 LPA
152	NIRANJAN V R	KONRAD TECHNOLOGIES	3 LPA
153	NISHANTH RAJAN G	CYBER BOT	1.80 LPA
154	PRASANTH K	ROBOTRIX	2.16 LPA
155	RAGHAV RAO A	AMAZON	3 LPA
156	RAGUL BARATH T	SUTHERLAND-NON VOICE	1.85 LPA
157	VINAY KUMAR R	CYBER BOT	1.80 LPA
158	SASI KARAN S	AMAZON	3 LPA

SPORTS

- On March 16, 2021, our students has participated and secured the second place in the Men's Basketball Team Zonal Match at S.A. Engineering College.
The participants are P.Gurutesh - II Year.,K.Lokesh - IV Year.,H.Amirullakhan - II Year.
- On March 18 & 19, 2021, our students has participated and secured runner up in Ball Bad Minton at St.Peter's Engineering College.
The participants are S.Venkatesh - II Year., V.Prakash - III Year.,S.Sriram - II Year.,S.S.Thanigaivel - II Year.,S.Nitish - II Year.,K.R.Jawahar - III Year.,D.Shyam Kumar - III Year.
- On March 20, 2021, our students has participated and secured the winner up in the Hockey Men Match at Velammal Engineering College.
The participants are B. Gokul - IV Year., R. Keerthivasan - IV Year., Ratheesh Kumar - IV Year., Shaikh Shafikh Ahmed - III Year., G. Shiva Sankar - III Year., R. Prem Sundar - III Year., J. Oobeth - III Year., K. Karthik Kumar - III Year
- On March 22 & 23, 2021, our students has participated and secured runner up in Volly Ball Mens match at Velammal Institute Of EngineeringCollege
The participants areP.J.Kameshwaran - II Year.,M.Yuvaraj - II Year.,R.Logith Inian - II Year
- On March 26-29, 2021, our students has participated and secured the third place in the Anna University Men Cricket Zone Tournament at Gojan Engineering College.
The participants are S.Subash - IV Year.,L.P.Nikesh Raj - IV Year.,S.Paxkiya Pravin - IV Year.,S.Paxkiya Pravin - IV Year.,K.V.Pradeep - III Year.,G.Tamilarasan - II Year
- On March 31, 2021, our students has participated and secured the winner up in the Kho-Kho Men Match at Velammal Engineering College.
The participants is V.Venkatesh- III Year

CLASS TOPPERS IN END SEMSTER EXAMINATIONS

2021 - 2022(EVEN SEMESTER)

S.No	year	REG NO	Name of the student	GPA	Position
1	II	111919114315	SATHISH KUMAR.S	9.54	I PLACE IN 4TH SEM
2	II	111919114303	MADHAN KUMAR N	9.46	II PLACE IN 4TH SEM
3	III	111918114017	GANESH D	9.58	I PLACE IN 6TH SEM
4	III	111918114003	ABHILASH P	9.54	II PLACE IN 6TH SEM
5	III	111918114006	AKASH K	9.54	II PLACE IN 6TH SEM
6	III	111918114018	GANESH S	9.54	II PLACE IN 6TH SEM
7	III	111918114020	GUBERAN B	9.54	II PLACE IN 6TH SEM
8	III	111918114029	JAIGANESH G	9.54	II PLACE IN 6TH SEM
9	III	111918114079	SHIBI SANTHOSH N M	9.54	II PLACE IN 6TH SEM

2021 - 2022(ODD SEMESTER)

S.No	year	REG NO	Name of the student	GPA	Position
1	II	111920ME01324	KARTHICK M	9.17	I PLACE IN 3RD SEM
2	II	111920ME01016	VARUNARASAN K	8.96	II PLACE IN 3RD SEM
3	II	111920ME01312	DINESH K	8.96	II PLACE IN 3RD SEM
4	III	111919114304	MOHAMMED AABID.H	9.50	I PLACE IN 5TH SEM
5	III	111919114022	YUGESH J	9.36	II PLACE IN 5TH SEM
6	IV	111918114015	DINESH S M	9.65	I PLACE IN 7TH SEM
7	IV	111918114018	GANESH S	9.57	II PLACE IN 7TH SEM

FACULTY PUBLICATION

S.NO	NAME OF THE FACULTY	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. P. Sevvel	Influence of CNT coating on the efficiency of solar parabolic trough collector using al ₂ o ₃ nanofluids - a multiple regression approach	Materials Today: Proceedings	5-01-2021	Scopus https://doi.org/10.1016/j.matpr.2020.09.047
2.	Dr. P. Sevvel	Investigation and Evaluation of Mechanical behaviour of Al-TiC Alloy	Materials Today: Proceedings	15-01-2021	Scopus https://doi.org/10.1016/j.matpr.2020.06.372
3.	Dr.Jagatheeshwaran M S	A novel water quench approach for enhancing the surface characteristics of electroless nickel phosphorous deposit	Surfaces and Interfaces	28-01-2021	SCI https://doi.org/10.1016/j.surfin.2021.100975
4.	Dr. P. Sevvel	Investigation and optimization of Laser welding process parameters for AA7068 aluminium alloy butt joint	Materials Today: Proceedings	02-02-2021	Scopus https://doi.org/10.1016/j.matpr.2020.07.196
5.	Dr. P. Sevvel	Development of Thermo Mechanical Model for Prediction of Temperature Diffusion in Different FSW Tool Pin Geometries During Joining of AZ80A Mg Alloys	Journal of Inorganic and Organometallic Polymers and Materials	18-02-2021	SCI https://doi.org/10.1007/s10904-021-01931-4
6.	Mr. Dhanesh C	Role of combustion derived magnesia nanoflakes on the combustion, emission and functional characteristics of diesel engine susceptible to palm oil biodiesel-diesel blend	Journal of Thermal Science and Technology	01-03-2021	SCI https://doi.org/10.1299/jtst.2021jtst0025
7.	Dr. S. Vishvanathperumal	Influence of Abrasive Water Jet Machining Parameters on Hybrid Polymer Composite	Journal of The Institution of Engineers (India): Series C	25-03-2021	Scopus https://doi.org/10.1007/s40032-021-00672-0
8.	Dr. P. Sevvel	Biochar-assisted copper-steel dissimilar friction stir welding: mechanical, fatigue, and microstructure properties	Biomass Conversion and Biorefinery	21-04-2021	SCI https://doi.org/10.1007/s13399-021-01514-w

9.	Dr. S. Vishvanathperumal	Effect of Nanosilica on the Mechanical Properties, Compression Set, Morphology, Abrasion and Swelling Resistance of Sulphur Cured EPDM/SBR Composites	Silicon (2021)	04-05-2021	SCI https://doi.org/10.1007/s12633-021-01138-9
10.	Dr S Baskar	Sustainable Machining of Hastelloy in EDM Using Nanoparticle-Infused Biodegradable Dielectric Fluid	Arabian Journal for Science and Engineering	05-05-2021	SCI https://doi.org/10.1007/s13369-021-05652-1
11.	Dr.S.Vishvanathperumal	Halloysite Nanotubes (HNTs)-Filled Ethylene-Propylene-Diene Monomer/Styrene-Butadiene Rubber (EPDM/SBR) Composites: Mechanical, Swelling, and Morphological Properties	Silicon	10/9/2021	SCI; https://doi.org/10.1007/s12633-021-01410-y
12.	A. Sivaramakrishnan	Parametric study of basin saline water in single slope solar still using CFD modelling	AIP Conference Proceedings 2396, 020009 (2021);	28/9/2021	Scopus; https://doi.org/10.1063/5.0066232
13.	L. Anantharaman	A review on recent trends in the microbial production of biodiesel	AIP Conference Proceedings 2396, 020007 (2021);	28/09/2021	Scopus; https://doi.org/10.1063/5.0066418
14.	R.Jeeva	Internal Logistics optimization in the assembly line using lean techniques	Recent Advances in Manufacturing, Automation, Design and Energy Technologiespp 731-739	12/10/2021	Scopus; https://doi.org/10.1007/978-981-16-4222-7_81
15.	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	01/11/2021	SCI
16.	Dr. P. Sevvel	Impact of speed of traverse during joining of CDA101 plates by FSW process	Scientia Iranica	1/11/2021	SCI
17.	Dr. P. Sevvel	Microstructural analysis and mechanical behaviour of copper CDA 101/AISI-SAE 1010 dissimilar metal welds processed by friction stir welding	Materials Research	4/12/2021	SCI https://doi.org/10.1590/1980-5373-MR-2021-0430
18.	Dr S Baskar	Process optimization using grey relational analysis in dry sliding wear behavior on SiC/B4C/Talc reinforced Al 6061 hybrid metal matrix composite	Metallurgical Research & Technology118, 614 (2021)	6/12/2021	SCI ;Volume 118, Number 6, 2021; https://doi.org/10.1051/metal/2021086

FACULTY ATTENDED FDP / SEMINAR / WORKSHOP

S.NO	NAME OF THE FACULTY	SEMINAR/WS/ CONFERENCE/ CEP/FDP/QIP ATTENDED	NAME OF THE PROGRAMME	VENUE	DATE / DURATION
1.	Dr. S. Vishvanathperumal	Short Term Training Program	Advanced Manufacturing Techniques for Medical and Precision Engineering	Online	04/01/2021 – 09/01/2021 / 6 days
2.	Mr. R. Jeeva	FDP	FRP Composites	Online	18/01/2021 – 22/01/2021 / 5 days
3.	Dr. S. Baskar	Short Term Training Programme	Optimization with MATLAB	Online	14/02/2021 – 19/02/2021 / 5 days
4.	Mr. K. SURESH	Short Term Training Programme (STTP)	Electric Vehicle Evolution - Impact on Power Grid	Online	22/03/2021 – 27/03/2021 / 6 days
5.	Mr. C. Dhanesh	FDP	One Week Recent Trends in Research Article Writing	Online	22/03/2021 – 27/03/2021 / 6 days
6.	Dr. S. Baskar	FDP	Engineering Materials Processing – A Research Perspective	Online	26/04/2021 – 30/04/2021 / 5 days
7.	Mr. R. Jeeva	FDP	Engineering Materials Processing – A Research Perspective	Online	26/04/2021 – 30/04/2021 / 5 days
8.	Mr. C. Dhanesh	FDP	Applied Thermodynamics	Online	03/05/2021 – 08/05/2021 / 6 days
9.	Mr. S. Dhanasekar	AICTE-ISTE approved Orientation/Refresher Programme	Design and Development of Products and Services	Online	04/05/2021 – 10/05/2021 / 6 days
10.	Mr. R. Jeeva	FDP	Novel Materials and Manufacturing Processes in Industrial Applications	Online	10/05/2021 – 14/05/2021 / 5 days

11.	Dr. S. Baskar	FDP	Advanced Applications in Composite Materials	Online	17/05/2021 – 22/05/2021 / 6 days
12.	Mr. R. Jeeva	FDP	Green Technology for Enhancing Livelihoods	Online	31/05/2021 – 04/06/2021 / 5 days
13.	Mr. Vasanthe Roy	Webinar	Qualitative and Mixed Methods Research	Online	27/03/2021 / 1 day
14.	Mr. S.R. Venkataraman	Webinar	National Education Policy (NRP 2020)	Online	12/06/2021 / 1 day
15.	Mr. S.R. Venkataraman	FDP	Advancements in compositeMaterials	Online	28/06/2021 -02/07/2021 / 5 days
16.	Mr. R. Jeeva	FDP	Novel Materials and Manufacturing Processes in Industrial Applications	Online	10/05/2021 – 14/05/2021 / 5 days
17.	Mr. R. Jeeva	FDP	Engineering Materials Processing – A Research Perspective	Online	26/04/2021 – 30/04/2021 / 5 days
18.	Mr. R. Jeeva	FDP	Green Technology for Enhancing Livelihoods	Online	31/05/2021 – 04/06/2021 / 5 days
19.	Mr. R. Jeeva	FDP	Design of Experiments	Online	28/06/2021 – 02/07/2021 / 5 days
20.	Mr. K. SURESH	Short Term Training Programme (STTP)	Electric Vehicle Evolution - Impact on Power Grid	Online	22/03/2021 – 27/03/2021 / 6 days
21.	Mr. S. Dhanasekar	AICTE-ISTE approved Orientation/Refresher Programme	Design and Development of Products and Services	Online	04/05/2021 – 10/05/2021 / 6 days
22.	Mr. C. Dhanesh	Webinar	Recent Advancements and Optimization Practices inRenewable Energy Industries	Online	11/06/2021 / 1 day
23.	Mr. C. Dhanesh	FDP	One Week RecentTrends in Research Article Writing	Online	22/03/2021 – 27/03/2021 / 6 days
24.	Mr. KAV Roosvelt Prabhu	Webinar	National Education Policy (NEP 2020)	Online	12/06/2021 / 1 day

25.	Mr. D. Prakash	Webinar	Recent Advancements and Optimization Practices in Renewable Energy Industries	Online	11/06/2021 / 1 day
26.	Mr. D. Prakash	Webinar	National Education Policy (NEP 2020)	Online	12/06/2021 / 1 day
27.	Mr. D. Prakash	Webinar	Presentation and Public Speaking Skills	Online	27/06/2021 / 1 day
28.	Dr. S. Baskar	Webinar	Recent Innovations in Science & Technology (RIST 2021)	Online	19/06/2021 – 20/06/2021 / 2 days
29.	Mr. S.R. Venkataraman	FDP	Advancements in Composite Materials	Bharath Institute of Science and Technology	28/6/21 – 02/07/21 (5 days)
30.	Mr. S.R. Venkataraman	FDP	Inculcating Universal Human Values in Technical Education	AICTE	25/10/21 – 29/10/21 (5 days)
31.	Mr. G. Prabaharan	FDP	Inculcating Universal Human Values in Technical Education	AICTE	25/10/21 – 29/10/21 (5 days)
32.	Mr. S. Praveenkumar	FDP	Inculcating Universal Human Values in Technical Education	AICTE	8/11/21 – 12/11/21 (5 days)
33.	Mr. Roosvelt Prabhu	FDP	Inculcating Universal Human Values in Technical Education	AICTE	22-11-21 to 26-11-21 (5 days)
34.	Mr.S.J.RAJARAJAN	FDP	Inculcating Universal Human Values in Technical Education	AICTE	22-11-21 to 26-11-21 (5 days)

FACULTY PUBLISHED PATENTS

S.NO	APPLICANT NAME	TOPIC WITH IPR APPLICATION NUMBER
1.	R.Jeeva	Topic : Multi Terrain Quadcopter Application No : 319052-001 Status: Filed
2.	Dr. Jagatheeshwaran MS	Topic : Implementation Of Water Quench-Heat Treatment After Electroless Coating Process Application No : 202041044661 Status : Filed
3.	Dr.P.Sevel	Topic : DISINFECTANT SPRAYING ROBOT DISINFECTANT SPRAYING ROBOT Application No : 335844-001 Status : Granted for 10 years
4.	Dr.P.Sevel,	Topic : Height adjustable Wheel Chair Application No : 350259-001 Status : Granted
5.	Dr.P.Sevel,	Topic : Hybrid PV and Wind based maximum power extraction control algorithm for smart microgrid Application No : 1187619 Status : Filed

STUDENT PARTICIPATIONS

S No	DATE	EVENT	VENUE	NA,ME of PARTICIPANT S and YEAR Sec	PROFESSIONAL BODYAFFLIATION /DETAILS OF SPONSORSHIP (IF ANY)	RE-MARK
1.	22.12.2021	Hack Athon	S.A.Engineering College	K.Shreevisshnu/I	S.A.Engineering College	Participated
2.	22.12.2021	Hack Athon	S.A.Engineering College	D.M.Mohankris hna/II	S.A.Engineering College	Participated
3.	22.12.2021	Hack Athon	S.A.Engineering College	B.Pradap/II	S.A.Engineering College	Participated
4.	22.12.2021	Hack Athon	S.A.Engineering College	M.Karthick/II	S.A.Engineering College	Participated
5.	22.12.2021	Hack Athon	S.A.Engineering College	G.Purushoth kumar/III A	S.A.Engineering College	Participated
6.	22.12.2021	Hack Athon	S.A.Engineering College	Rakesg.L/III A	S.A.Engineering College	Participated
7.	22.12.2021	Hack Athon	S.A.Engineering College	Mohanaarrihara n .K/III A	S.A.Engineering College	Participated
8.	22.12.2021	Hack Athon	S.A.Engineering College	Vishwanath.B/II I A	S.A.Engineering College	Participated
9.	22.12.2021	Hack Athon	S.A.Engineering College	E.Rupesh/III A	S.A.Engineering College	Participated
10.	22.12.2021	Hack Athon	S.A.Engineering College	R.V.Shiyamchan d/III B	S.A.Engineering College	Participated
11.	22.12.2021	Hack Athon	S.A.Engineering College	R.Deepakkumar /II	S.A.Engineering College	Participated
12.	22.12.2021	Hack Athon	S.A.Engineering College	A.Jeevabharathi/ II	S.A.Engineering College	Participated
13.	22.12.2021	Hack Athon	S.A.Engineering College	R.Purushothama n/II	S.A.Engineering College	Participated
14.	22.12.2021	Hack Athon	S.A.Engineering College	N.Agilash/II	S..A.Engineering College	3rd Prize
15.	22.12.2021	Hack Athon	S.A.Engineering College	Vishwanath.B/II I A	S.A.Engineering College	Participated

FACULTY RECEIVED AWARDS & INVITATION

S.NO	NAME OF THE FACULTY	AWARDS /INVITATION RECEIVED		
		DATE	NATURE OF AWARD/ INVITATION	GRANTING AUTHORITY /JOURNAL/ CONFERENCE
1.	Dr. S. Baskar	20-06-2021	Session chair Invitation	Recent Innovations in Science & Technology (RIST 2021) organized by ERANAD Knowledge City Technical Campus, Malappuram, Kerala, India in association with ISET Research & HEXAIND Technologies and Services
2.	Dr.S.Baskar	24/12/2021	Session chair Invitation	1st International Conference on Water Energy & Environment [WEECON 2021] organized by ISET Research India in association with IEI Vietnam

STUDENTS RECEIVED AWARDS & PATENTS

S.NO	NAME OF THE STUDENT	AWARDS /INVITATION RECEIVED		
		DATE	NATURE OF AWARD/ INVITATION	GRANTING AUTHORITY/JOURNAL/ CONFERENCE
1.	Santhosh Kumar R	06.01.22	Completion certificate of Project in Industry	Wheels India
2.	S. PraveenJ. JohannAbisha Sara Seelan	24-02-2021	1ST Prize on "MHRD sponsored 11th International Project Competition – VISAI 2021"	MHRD&Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai

3.	Akash V	25-04-2021	Certificate of completion of “Build a face recognition application using Python”	AI for India Event conducted by GUVI
4.	Venkatesh B	17-06-2021	Certificate of participation in 5 day online course titled “Geospatial Technology for Archaeological Studies”	ISRO and Indian Institute of Remote sensing, Dehradun
5.	Arul Muthu Kumaran	14-04-2021	Certificate of participation in “Online Summer Course on PYTHON ”-Phase I, from 09-04-2021 to 14-04-2021	S.A. Engineering College
6.	Mr. Pradeep K V	05-06-2021 to 05-07-2021	Certificate of completion of “Online Internship for Undergraduate students” in the area of “Noise control of Drones”	INDIAN INSTITUTE OF TECHNOLOGY INDORE
7.	Mr.S.M. Dinesh	28th June to 29th June 2021	Certificate of participation in “Virtual Workshop on Basics of IoT & Cloud Computing”	TVS Training and Services Ltd
8.	Mr. Viswak			
9.	Vignesh			
10.	Muthukamalesh			
11.	Arul Muthu Kumaran	13.12.21	Participation in Technical Quiz	MEVOLUTION National symposium, DMI College of Engineering
12.	S.Mahesh Kumar	24.12.21	Completion certificate of In Plant Training	M&E Engineering Dept., Chennai Port Trust.
13.	S.Karthikeyan			
14.	Hareesh BS	26.10.21	Completion certificate of 1 month Internship (27.09.2021 to 26.10.2021)	Sundaram Clayton Ltd.
15.	Dhivakaran P			
16.	Ganesh S			
17.	Mahesh Kumar	25.10.21	Completion certificate of Internship	Brakes India Pvt. Ltd.
18.	Kargil Jove Anirudh	18.10.21	Completion certificate of Project in Industry	CVRDE, DRDO, Avadi.

FACULTY AWARDS, RECOGNITION, FELLOWSHIP

S.No.	Name of full time teachers receiving awards from state level, national level, international level	Name of the award, fellowship, received from Government or recognized bodies
1.	Dr.P.Sevvel (State Level)	“Outstanding Researcher Award” from VDGOOD Professional Association

FACULTY RESEARCH WORK ON CAMPUS

S.NO	NAME OF THE RESEARCH SCHOLAR WITH DESIGNATION	RESEARCH AREA & TOPIC	RESEARCH GUIDE (Name, Design., Address)	NAME OF THE UNIVERSITY IN WHICH Ph.d IS REGISTERED	DATE OF REGISTRATION
1.	Mr.D.Srinivasan Associate Professor	Friction Stir welding of aluminium alloys	Dr.P.Sevvel Professor, SAEC	AUC – Reg.No16152997314	AUC 04/07/2016
2.	Mr.S.Dhanasekar Assistant Professor	Effect of Nano particles on the dynamic characteristics of polymer matrix composites	Dr.S.Baskar Professor, SAEC	AUC-Reg.No 17142991127	AUC 20/12/2016
3.	Mr.C.Krishnamurthy Assistant Professor	Dynamic characteristics of polymer matrix composite using Natural fibers	Dr.M.S.Jagatheeshwaran, Associate Professor, SAEC	AUC-Reg.No 17142991126	AUC 20/12/2016
4.	Mr.Dhanesh. C Assistant Professor	Exhaust Heat Recovery in IC Engines	Dr. J. Venkatesan Professor, SVCE	AUC-Reg.No 1325299830	AUC 18/6/2013
5.	Mr.Suresh K Assistant Professor	Mechatronics based design and development of magneto rheological abrasive flow machining for Nano surface finishing	Dr.Karuppasamy K Professor, AU-Tirunelveli	AUC-Reg.No 1614289111	AUC 30/12/2015
6.	Mr.L. Anantha Raman Assistant Professor	Optimization of swirl ratio on HSDI Diesel Engine for better performance and lower exhaust emissions.	Dr. S. Rajakumar Associate Professor	AUC-Reg.No 1414289124	AUC 03/01/2014

FACULTY RESEARCH WORK WITH EXTERNAL CANDIDATES

S.NO	NAME OF THE SUPERVISOR WITH DESIGNATION	NAME OF THE RESEARCH SCHOLAR WITH DESIGNATION WITH ADDRESS	RESEARCH AREA & TOPIC	DATE OF REGISTRATION.	STATUS OF RESEARCH WORK
1.	Dr. M.S.Jagatheesh waran	Mr. A. Suheal	Friction and wear characteristics of electroless NiP coating incorporated with nano capsules	1/03/2021	Course work
2.	Dr. M.S.Jagatheesh waran	Mr. Devaraj.S	Electroless cermet nano composite coatings for high temperature tribology application	20/01/2021	Course work
3.	Dr. M.S.Jagatheesh waran	Mr.Sathish.K	Tribological behavior of NiP electroless coating with nano particles	22/01/2021	Course work
4.	Dr. M.S.Jagatheesh waran	Mr. J. Srinivas	A study on mechanical and tribological behaviour of Al-Zr composite using stir casting	20/01/2021	Course work

LIST OF MOUS

S.NO	NAME OF THE ORGANIZATION / COMPANY / INSTITUTE	DATE OF MOU SIGNED	LINKAGE OF THE MoU	BENEFITS OF MoU
1.	RAMAMURTHY METAL WORKS	27.08.2021	General agreement	<ul style="list-style-type: none"> • Technological knowledge Transfer • Industrial Project opportunities for students. • Industrial visits and Internships
2.	HEXAIND TECHNOLOGIES AND SERVICES LLP	27.08.2021	General agreement	<ul style="list-style-type: none"> • Industrial Project opportunities for students.

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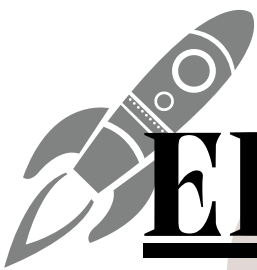
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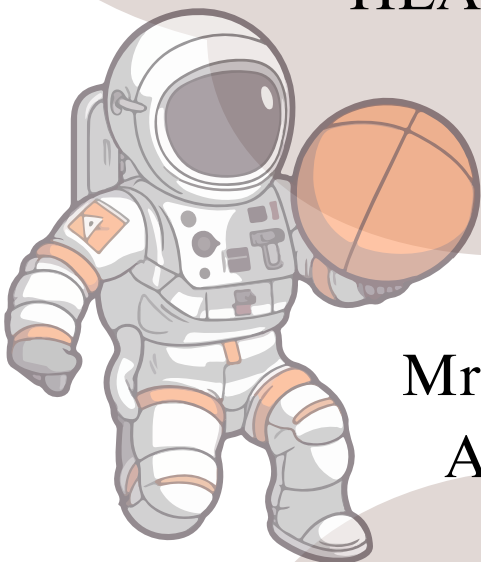




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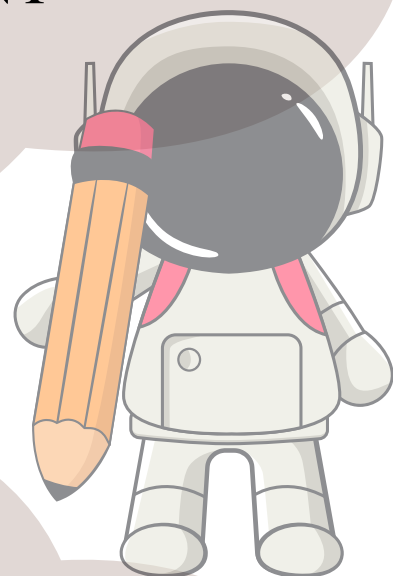
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