

**E.G.S.PILLAY ENGINEERING COLLEGE (Autonomous),
NAGAPATTINAM – 611002.**

**Approved by AICTE and Affiliated to Anna University)
(An ISO 9001:2008 Certified Institution | Recognised by UGC 2(f) & 12 (B)**



NEWS LETTER

(January 2021 – December 2021/ Volume - 9; Issue-1)

DEPARTMENT OF MECHANICAL ENGINEERING

(NBA Accredited)



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E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
(Autonomous)
Department of Mechanical Engineering (NBA Accredited)

Chairman

Smt.S.Jothimani G.S.Pillay, EGS Pillay Educational Institutions.

Secretary

Chev. S.Paramesvaran, M.Com., FCCA (London), EGS Pillay Educational Institutions.

Principal

Dr.S.Ramabalan, M.E., Ph.D.

Dean / Mechanical & Building sciences

Dr. S.Krishnamohan, M.E., Ph.D.

Head of the Department

Dr. G. Gurumoorthy, M.E., Ph.D.

Faculty Members

Sl. No	Name	Qualification	Designation
1	Dr. S. Ramabalan	M.E., Ph.D	Professor
2	Dr.S.Krishna Mohan	M.E., Ph.D	Professor
3	Dr.N.Ramanujam	M.Tech., Ph.D	Professor
4	Dr.G.Gurumoorthi	M.E., Ph.D	Professor
5	Dr. V.SivaramaKrishnan	M.E., Ph.D	Professor
6	Dr. V.Sivaraman	M.Tech., Ph.D	Professor
7	Dr.M.Kathiresan	M.E., Ph.D	Professor
8	Dr.J.Jeevamalar	M.E., Ph.D	Asso. Prof
9	Dr. S. Chockalingam	M.E., Ph.D	Asso. Prof
10	Dr. V.Navaneethakrishnan	M.Tech, Ph.D	Asst. Prof
11	Mr.R.Sundar	M.Tech., (Ph.D)	Asst. Prof
12	Mr.G.Surendar	M.Tech.	Asst. Prof
13	Mr.V.Manathuanai Nathan	M.E., (Ph.D)	Asst. Prof
14	Mr.G.Sundaravadivel	M.E., (Ph.D)	Asst. Prof
15	Mr.B.ManiKandan	M.Tech., (Ph.D)	Asst. Prof
16	Mr.K.Senthil Nathan	M.Tech., (Ph.D)	Asst. Prof
17	Mr.G.Hari narayanan	M.E.	Asst. Prof
18	Mr.A.Arun Kumar	M.E., (Ph.D)	Asst. Prof
19	Mr.K.Balasubramanian	M.E.	Asst. Prof
20	Mr.S.Harishkirthi	M.E.	Asst. Prof
21	Mr. M.Subramaniyan	M.Tech.	Asst. Prof
22	Mr. N.Prabhu	M.E.	Asst. Prof
23	Mr. S.Muruges	M.E.	Asst. Prof
24	Mr. N.Manikandan	M.E.	Asst. Prof
25	Mr.K.Kathirvelan	M.E.	Asst. Prof
26	Mr.R.Balaj	M.E.	Asst. Prof
27	Mr.R.AshwinChakravarthy	M.E.	Asst. Prof
28	Mr.P.Kalaignar	M.E.	Asst. Prof
29	Mr.G.Ashokkumar	M.E.	Asst. Prof
30	Mr.S.Ramesh	M.E.	Asst. Prof

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● **Department Vision**

To foster academic excellence in Mechanical Engineering Education and Research and turn out students into competent professionals to serve the society.

● **Department Mission**

M1: To produce successful mechanical engineers through innovative teaching and learning processes and by enhancing the knowledge and skills of faculty members and supporting staff through various training programmes.

M2: To establish state-of-the-art laboratories and centers of excellence to promote good quality education, research and consultancy for industrial and societal needs.

M3: Complementing the class room teaching with live projects, field works, seminars to build self learning, and lifelong learning capability, and to develop out of box thinking. Also, developing capability to adapt to evolving technological challenges, communicate effectively, work effectively as individuals and as team members and adhering to professional ethics.

● **About the Department**

The department of Mechanical Engineering was established in 1995. The department offers a under graduate B.E. (Mechanical Engg.) and a Post Graduate M.E. (Manufacturing Engg.) programmes. The department has approved as research centre by Anna University and Annamalai University. The department has highly qualified and experienced faculty. The department has well infrastructural facilities and has fully equipped laboratories with adequate hardware and software. The teaching faculties are active in conducting research and publishing the papers in reputed Journals and Conferences. The department has conducted six International Conferences and four AICTE sponsored Faculty Development Programs.

● **Courses Offered**

- ✓ B.E. – Mechanical Engineering
- ✓ M.E. – Manufacturing Engineering
- ✓ Ph.D. - Mechanical Engineering

● **Association Name**

- *Mechanical Engineering Association*
- *SAE Club*
- *IE Chapter*
- *Renewable Energy Club*

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- **PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

PEO 1: Preparing the graduates to have successful career in mechanical and associated industries or becoming an entrepreneur or pursuing higher education and research.

PEO 2: Developing ability to apply fundamental technical knowledge and skills to find practical solutions to technological challenges and problems in core and allied areas of mechanical engineering.

PEO 3: Complementing the class room teaching with live projects, field works, seminars to build self learning, and lifelong learning capability, and to develop out of box thinking. Also, developing capability to adapt to evolving technological challenges, communicate effectively, work effectively as individuals and as team members and adhering to professional ethics.

- **PROGRAM OUTCOMES (POs)**

PO 1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 2: Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO 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.

PO 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.

PO 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.

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PO 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.

PO 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.

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

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

PO 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.

PO 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.

PO 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 technological change.

● **PROGRAM SPECIFIC OUTCOMES (PSOs)**

The Mechanical Engineering program aims at:

PSO1: Design, develop, test and maintain advanced thermal engineering systems for industrial and other applications.

PSO2: Apply the concepts of modern manufacturing and industrial engineering techniques in industries.

PSO3: Modeling, design and analysis of mechanical components using Computer Aided Design and Analysis software tools.

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NSS ACTIVITIES

SL. NO.	DATE	ACTIVITY
1	01.01.2021	NEW YEAR WISHES
2	02.01.2021	FOUNDERS DAY
3	03.01.2021	VEERA PADIYA KATTA BOMMAN & VELUNACHIYAR DAY
4	11.01.2021	PLASTIC AWARENESS
5	12.01.2021	SWAMI VIVEKANANDHAR BIRTHDAY
6	13.01.2021	NSS NEW ENROOLMENT
7	14.01.2021	PONGAL
8	15.01.2021	INDIAN ARMY DAY
9	15.01.2021	TIRUVALLUVAR DAY
10	23.01.2021	NETHAJI DAY
11	23.01.2021	FOUNDER MEMORIAL DAY
12	25.01.2021	VOTERS AWARENESS DAY
13	26.01.2021	REPUBLIC DAY(ESSAY COMPETITION)
14	28.01.2021	LALA LAJPATHI RAI BIRTHDAY
15	30.01.2021	MAHATMA GANDHI MEMORIAL DAY
16	31.01.2021	POLIO DROPS DAY
17	04-02-2021	CANCER DAY
18	05-02-2021	CHAIRMAN AMMA BIRTHDAY
19	07-02-2021	CORONA PREVENTION
20	13-02-2021	SAROJINI NAIDU BIRTHDAY
21	17-02-2021	ROAD SAFETY AWARENESS
22	28-02-2021	SCIENCE DAY
23	03-03-2021 to 09-03-2021	NSS SPECIAL CAMP (THETHI VILLAGE)

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SL. NO.	DATE	ACTIVITY
24	03-03-2021	WILDLIFE DAY
25	04-03-2021	SAFETY DAY
26	08-03-2021	WOMEN'S DAY
27	15-03-2021	CONSUMER RIGHTS DAY
28	21-03-2021	WORLD SPARROW DAY
29	22-03-2021	WATER DAY
30	6-4-2021	VOTERS AWARENESS
31	14-4-2021	TAMIL NEW YEAR
32	18-4-2021	TREE PLANTATION
33	22-4-2021	WORLD EARTH DAY
34	1-5-2021	MAY DAY
35	4-5-2021	INTERNATIONAL FIREFIGHTERS DAY
36	8-5-2021	WORLD RED CROSS DAY
37	9-5-2021	WORLD MOTHERS DAY
38	11-5-2021	NATIONAL TECHNOLOGY DAY
39	12-5-2021	WORLD NURSE DAY
40	26-5-2021	BUTHAPURNIMA
41	31-5-2021	WORLD TOBACO DAY
42	5-6-2021	WORLD ENVIRONMENT DAY
43	8-6-2021	WORLD OCEAN DAY
44	14-6-2021	WORLD BLOOD DONER DAY
45	20-6-2021	FATHERS DAY
46	5-7-2021	GIRLS AWARENESS PICTURE DISTRIBUTION

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SL. NO.	DATE	ACTIVITY
47	10-7-2021	VELURSIPPAIPURATCH REMEMBER DAY
48	15-7-2021	ONLINE CHILDREN AWARENESS PROGRAM
49	15-7-2021	KAMARAJAR BIRTH DAY
50	23-7-2021	BALAGANGADARA THILAGAR BIRTH DAY
51	26-7-2021	KARGIL REMEMBERANCE DAY
52	27-7-2021	ABDUL KALAM MEMORIAL DAY
53	27-8-2021	MEDICAL & EDUCATION FUND TO MLA UDHAYANIDHI SATALIN
54	28-7-2021	CORONA RELIEF FUND 10 LAK TO CM
55	10-8-2021	GREEN CHAMPION AWARD
56	15-8-2021	INDEPENDENCE DAY
57	22-8-2021	CHENNAI DAY
58	25-8-2021	CORONA INJECTION CAMP EGSPEC
59	26-8-2021	MOTHER TERASA BIRTH DAY
60	5-9-2021	TEACHERS DAY
61	5-9-2021	VOC BIRTH DAY
62	30-8-2021	KRISHNAJAYANTHI
63	30-8-2021	NATIONAL SMALL INDUSTRY DAY
64	29-8-2021	NATIONAL SPORTS DAY
65	8-9-2021	INTERNATIONAL LITERACY DAY
66	11-9-2021	MAHAKAVIBARATHIYAR MEMORIAL DAY
67	15-9-2021	ENGINEERS DAY
68	16-9-2021	OZONE DAY
69	6 4-2021	VOTERS AWARENESS

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SL. NO.	DATE	ACTIVITY
70	14-4-2021	TAMIL NEW YEAR
71	18-4-2021	TREE PLANTATION
72	22-4-2021	WORLD EARTH DAY
73	1-5-2021	MAY DAY
74	4-5-2021	INTERNATIONAL FIREFIGHTERS DAY
75	8-5-2021	WORLD RED CROSS DAY
76	9-5-2021	WORLD MOTHERS DAY
77	11-5-2021	NATIONAL TECHNOLOGY DAY
78	12-5-2021	WORLD NURSE DAY
79	26-5-2021	BUTHAPURNIMA
80	31-5-2021	WORLD TOBACO DAY
81	5-6-2021	WORLD ENVIRONMENT DAY
82	8-6-2021	WORLD OCEAN DAY
83	14-6-2021	WORLD BLOOD DONER DAY
84	20-6-2021	FATHERS DAY
85	5-7-2021	GIRLS AWARENESS PICTURE DISTRIBUTION
86	10-7-2021	VELURSIPPAIPURATCH REMEMBER DAY
87	15-7-2021	ONLINE CHILDREN AWARENESS PROGRAM
88	15-7-2021	KAMARAJAR BIRTH DAY
89	23-7-2021	BALAGANGADARA THILAGAR BIRTH DAY
90	26-7-2021	KARGIL REMEMBERANCE DAY
91	27-7-2021	ABDUL KALAM MEMORIAL DAY
92	27-8-2021	MEDICAL & EDUCATION FUND TO MLA UDHAYANIDHI SATALIN
93	28-7-2021	CORONA RELIEF FUND 10 LAK TO CM

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SL. NO.	DATE	ACTIVITY
94	10-8-2021	GREEN CHAMPION AWARD
95	15-8-2021	INDEPENDENCE DAY
96	22-8-2021	CHENNAI DAY
97	25-8-2021	CORONA INJECTION CAMP EGSPEC
98	26-8-2021	MOTHER TERESA BIRTH DAY
99	5-9-2021	TEACHERS DAY
100	5-9-2021	VOC BIRTH DAY
101	30-8-2021	KRISHNAJAYANTHI
102	30-8-2021	NATIONAL SMALL INDUSTRY DAY
103	29-8-2021	NATIONAL SPORTS DAY
104	8-9-2021	INTERNATIONAL LITERACY DAY
105	11-9-2021	MAHAKAVIBARATHIYAR MEMORIAL DAY
106	15-9-2021	ENGINEERS DAY
107	16-9-2021	OZONE DAY
108	24-09-2021	NSS DAY TREE PLANTATION
109	26-09-2021	ENVIRONMENTAL HEALTH DAY
110	02-10-2021	GANDHI JAYANTHI
111	04-10-2021	SUBRAMANYA SIVA, KODIKATHAKUMARAN BIRTHDAY
112	05-10-2021	WORLD TEACHERS DAY
113	08-10-2021	INDIAN AIRFORCE DAY
114	13-10-2021	DISASTER REDUCTION DAY
115	15-10-2021	APJ ABDULKALAM BIRTHDAY- HERBAL PLANTATION(WORLD STUDENTS DAY)
116	16-10-2021	VEERAPANDIYAKATTABOMMAN MEMORIAL DAY

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SL. NO.	DATE	ACTIVITY
117	31-10-2021	NATIONAL UNITY DAY
118	11-11-2021	NATIONAL EDUCATION DAY
119	14-11-2021	CHILDRENS DAY
120	18-11-2021	V-O-CHIDAMBARAMPILLAY BIRTHDAY
121	20-11-2021	NEW VOTERS ENROLMENT CAMP
122	25-11-2021	CYBER CRIME AWARENESS PROGRAM
123	26-11-2021	CONSTITUTION DAY
124	01-12-2021	WORLD AIDS DAY
125	03-12-2021	INTERNATIONAL DISABILITY DAY
126	03-12-2021	DR RAJENDRAPRASATH BIRTHDAY
127	05-12-2021	WORLD SOIL DAY
128	05-12-2021	INTERNATIONAL VOLUNTEERS DAY
129	07-12-2021	BLOOD DONATION CAMP
130	11-12-2021	BHARATHIYAR BIRTHDAY
131	14-12-2021	COVID VACCINATION CAMP
132	15-12-2021	EYARKAIVIVASAYEE – NATURAL FARMING AWARENESS PROGRAM MR-BASKAR SPEECH

• **MoU with Industries**

SL.NO	INDUSTRY NAME	YEAR	PURPOSE OF MOU'S
1	Larsen & Turbo Limited Edu Tech, Chennai	Aug 2021	Skill based Training Education Placement, Industrial visit, Expert Lecture
2	SS Technovation India Pvt Ltd, Coimbatore	Aug 2021	Skill based Training Education Placement, Industrial visit, Expert Lecture

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SL.NO	INDUSTRY NAME	YEAR	PURPOSE OF MOU'S
3	PUMATechnovation India Pvt Ltd, Coimbatore	Aug 2021	Skill based Training Education Placement, Industrial visit, Expert Lecture
4	NANO Technovation India Pvt Ltd, Coimbatore	Aug 2021	Skill based Training Education Placement, Industrial visit, Expert Lecture
5	Garuda Acrospace Pvt Ltd, Chennai	Aug 2021	Skill based Training Education Placement, Industrial visit, Expert Lecture

• Events Organized with MoU Signed Industries

S.NO	DATE	INDUSTRY	INTERACTED PERSON	EVENTS THROUGH MoU	BENEFICIARY
1	22-02-2021 to 26-02-2021 & 13-04- 2021, 14-04-2021, 15-04-2021	Trione CADD, Chennai	Er. B.Kovarasan	Hands on training	Final year students

• Industry Involvement

SL. NO.	DATE	COURSE NAME	TOPIC	INDUSTRIAL EXPERT	INDUSTRY NAME	BENEFICIARIES
1	18.12.2021	Renewal Energy Sources	Fundamentals of Bio fuels	G M SRINIVASAN, B. Tech., Petrochemical Technologist,	Founder of Sriluck paints, Harur, Dharmapuri District	IV MECH
2	20.12.2021	Design Of Machine Elements	Energy observing Elements	Mr.B.Kovarasan, Mogappair west, Chennai 37.	Trione CADD	III MECH

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SL. NO.	DATE	COURSE NAME	TOPIC	INDUSTRIAL EXPERT	INDUSTRY NAME	BENEFICIARIES
3	25.12.2021	Industrial Economics	Fundamentals of Economics in Industrial Applications	G M SRINIVASAN, B. Tech., Petrochemical Technologist,	Founder of Sriluck paints, Harur - Dharmapuri District	IV MECH
4	29.12.2021	CAD/CAM	CAD: Academia to Industry	Gowtham Sriram Research Engineer,	Tech Digital Ltd, Chennai.	III MECH
5	31.12.2021	Manufacturing Technology	Recent Trends in Manufacturing Technology	Er.G.Dhineshwaran. B.E., Design Engineer,	GT Technologies Private Limited Vishakapatnam	II MECH
6	31.12.2021	Strength Of Materials	Product Development Process & Technologies in Industries	Mr. Jegan, Project Coordinator	Danfoss Industries, Chennai	II MECH
7	20.12.2021	Automobile Engineering	Advancement in Automotive Safety Air Bags	Mr.B.Kovarasan, Mogappair west, Chennai 37.	Trione CADD	IV MECH
8	11.01.2022	Engineering Mechanics	Non Destructive Testing And Methods	Mr. C.Manikandan Quality Engineer	Mechanical Inspector Intertek, Oman	II MECH
9	18.12.2021	Heat And Mass Transfer	Applications of heat and Mass Transfer in Industries	G.Vishnu Prakash, MEP Consultant,	PUMO MEP Academy Coimbatore	III MECH
10	18.12.2021	Finite Element Analysis	Finite Element Tools & Its Application	Ranjith Kumar, FEA Engineer	LPSC-ISRO.	IV MECH

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SL. NO.	DATE	COURSE NAME	TOPIC	INDUSTRIAL EXPERT	INDUSTRY NAME	BENEFICIARIES
11	25.12.2021	Computer Aided Manufacturing	Introduction And Fundamentals of CNC Part programming	Mr. R. Balamurugan Senior Manager	Renault Nissan Technology and Business centre PVT Ltd. Kanchipuram Dist	IV MECH
12	17.12.2021	Mechatronics	Automation	Ranjith Kumar, FEA Engineer	LPSC-ISRO	IV MECH
13	31.12.2021	Kinematics Of Machinery	Mechanical Simulation	Mr. K.J. Jeganathan FEA Engineer Chennai	L&T Technolgy Services	III MECH
14	22.12.2021	Thermodynamics	Importance of psychrometry properties in industrial devices	Dr.A.Santosh kumar Former SRF	NIT Trichy	II MECH
15	26.12.2021	Computer Aided Design	Fundamentals of Computer Aided design	R.Vignesh.B.E, Senior Design Engineer,	Pumo Technovation India Pvt Ltd Coimbatore.	II MECH
16	26.12.2021	Fluid Mechanics And Machines	Recent Trends In Fluid Mechanics	Er.B.Vinoth B.E., Lead Design Engineer,	DTE Delda Shore Engineering ,Chennai,Tamilnadu.	II MECH

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STUDENTS ACHIEVEMENTS

• **Participation in Internship/In-Plant Training**

S.NO	NAME OF THE PARTNERING INSTITUTION/ INDUSTRY /RESEARCH LAB WITH CONTACT DETAILS	NO. OF STUDENTS	DURATION
1	MYNOR ENTERPRISE PRIVATE LIMITED, NAGAPATTINAM	02	08-02-21 To 23-02-21
2	SD PRO SOLUTIONS, TRICHY	25	05-02- 2021 to 20-02-21
3	SUJA SHOEI INDUSTRIES PVT LMT., VILLIYANALLUR, MAYILADUTHURAI	02	03.03.2021 to 22.03.2021
4	ZAVAATA TECHNOLOGIES	09	2016.02.21 to 16.02.21
5	TATA MOTORS-INDIAN AUTO AGENCY, THANJAVUR MAIN ROAD, TIRUVARUR	04	18.02.21 to 26.02.21
6	ACHENN INNOVATIONS PRIVATE LIMITED , COIMBATORE	01	18.02.2021 to 18.05.2021
7	TOFPL PALM OIL INDUSTRY & THIRUVARUR	02	17/03/2021 to 27/03/2021
8	PANTECH E LEARNING - KOTTA SRINIVASIAH CHARITIES, THANJAVUR ROAD, NEAR DURAISAMY SUBWAY, T NAGAR,CHENNAI- 600017	06	03-052021 & 02-06-2021

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• **Participation in Internship/In-Plant Training**

S.NO	NAME OF THE PARTNERING INSTITUTION/ INDUSTRY /RESEARCH LAB WITH CONTACT DETAILS	NO. OF STUDENTS	DURATION
9	SD PRO SOLUTION, TRICHY	07	03-05-2021 & 02-06-2021
10	MUKKUDAL ROBOTICS	01	05-04-21 to 04-05-21
11	PANTECH E LEARNING - KOTTA SRINIVASIAH CHARITIES, THANJAVUR ROAD, NEAR DURAISAMY SUBWAY, T NAGAR, CHENNAI- 600017	18	23/8/2021 to 21/9/2021
12	SD PRO SOLUTIONS & NO. 66 , 1ST FLOOR, SRI KRISHNA COMPLEX, OPP. TO E.R HIGHER SEC SCHOOL, TIRUCHIRAPPALLI, TAMIL NADU 620002	09	22/8/2021 to 22/9/2021

• **Participation in Inter-Institute Events**

S NO	STUDENT NAME	YEAR	TOPIC	DATE	PLACE
1	MANIMARAN S	III	Skill Development Training -Electrician Domestic Sollution -Pss/Q6001	15.01.2021	SKILL INDIA

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• **Students Interaction in Inter Institute**

S NO	STUDENT NAME	YEAR/ SECTION	TOPIC	DATE	PLACE
1	Dineshkumar S	III A	Ic Engines And Gas Turbines	Jan-Apr 2021	NPTEL COURSE
2	Jaiganesh R	III A	Ic Engines And Gas Turbines	Jan-Apr 2021	NPTEL COURSE
3	Manimaran S	III MECH	Skill Development Training - Electrician Domestic Sollution -Pss/Q6001	15.01.2021	SKILL INDIA
4	Dineshkumar S	IV A	Rapid Manufacturing	Jul-Oct 2021	NPTEL COURSE
5	Prakash M	IV A	Rapid Manufacturing	Jul-Oct 2021	NPTEL COURSE
6	Jaiganesh R	IV A	Rapid Manufacturing	Jul-Oct 2021	NPTEL COURSE
7	Hariharan S	IV A	Rapid Manufacturing	Jul-Oct 2021	NPTEL COURSE
8	Vengadesh E	IV A	Rapid Manufacturing	Jul-Oct 2021	NPTEL COURSE
9	Thiloth A	IV A	Rapid Manufacturing	Jul-Oct 2021	NPTEL COURSE

S NO	NO. OF STUDENTS	YEAR/ SECTION	TOPIC	DATE	PLACE
1	27	II B	Online Webinar On Recent Trends In Manufacturing Technology	31.12.2021	AVCEC
2	20	III B	Online Webinar On Cad Academia To Industry	29.12.2021	SRVEC

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• **Placement & Higher Studies**

S. NO	TOTAL NO. STUDENTS	NO. OF PLACED STUDENTS	NO. OF. STUDENTS PURSUING HIGHER STUDIES
01	143	111	10

• **Sports Achievements**

S. NO	NAME OF THE STUDENT	YEAR	NAME OF THE INSTITUTION	DATE	GAME	PRIZE WON / PARTICIPATION
1	AKASH. C.M	IV	UCE-THIRUKKUALAI	31.03-2021 to 01-04-2021	VOLLEY BALL	RUNNER-UP
2	AKASH.S	IV				
3	SATHISH KUMAR.D	III				
4	CHANDRABOSE.C	III	UCE-THIRUKKUALAI	22.03-2021 to 23-03-2021	KABADDI	RUNNER-UP
5	MATHAVAN.S	III				
6	JENITHKUMAR.P	III				
7	JEGATHEESAN.K	III				
8	NAVEENKUMAR.K	III				
9	VINO AKALAIVAN A	II				
10	RATHEESH KUMAR N	II				
11	VENGADESH	III	PRIME-KILVELUR	19-03-2021 to 20-03-2021	CHESS	WINNER
12	GOKUL RAJ A	II	EGSPEC-NAGAPATTINAM	13.03-2021 to 14-03-2021	BALL BADMINTON	WINNER

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FACULTY ACHIEVEMENTS

• **International Journals Published**

S.N O	STAFF NAME	TITLE OF THE PAPER	NAME OF THE JOURNAL	YEAR	ISSN NO.	REFERRED JOURNAL	IMPACT FACTOR
1	Dr.S.Chockalingam	Investigation of Damping Characteristics on Copper-Based Shape Memory Alloy Frictional Damper in Boring Process	Arabian Journal for Science and Engineering	Dec-2021	2191-4281	SCIE	2.334
2	Dr. J. Jeevamalar Dr.S.Ramabalan	On the Influence of Electrical Discharge Drilling Parameters and Performance Measures of Inconel 718 Superalloy - a Study	MECHANIKA	Dec-2021	1392-1207	SCIE	0.529
3	Dr.S.Chockalingam	Energy bandgap studies on copper chalcogenide semiconductor nanostructures using cohesive energy	Chalcogenide Letters	2021	1584-8663	SCIE	0.76
4	Dr.S.Chockalingam	Investigation of powder mixed electrical discharge machining and process parameters optimization using Taguchi based overall evaluation criteria	IOP Conference Series: Materials Science and Engineering	2021	1757-899X	SCOPUS	0.51

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• **International Journals Published**

S.N O	STAFF NAME	TITLE OF THE PAPER	NAME OF THE JOURNAL	YEAR	ISSN NO.	REFERRED JOURNAL	IMPACT FACTOR
5	Dr.S.Ramabalan	Dynamically Changing Parameters Particle Swarm Optimization (DCPPSO) Based Trajectory Planning of 3-Links Articulated Robot	Advances in Interdisciplinary Engineering	2021	2195-4356	SCIE	2.5
6	Dr. V.Sivaramakrishnan	XRD, CHNSO, fluorescence, filter-influx, NLO, photoconductivity, hardness and helical spring fabricated device stress analysis of 20-chloro-4-methoxy-3-nitrobenzil (CMNB) crystal of different scalings for opto-electronic filter and band gap engineering utilities	J Mater Sci: Mater Electron	2021	10049-10057	SCIE	0.2
7	Dr.N.Ramanujam	Investigation of Micro- hole quality in Drilled CFRD laminates through C02 Laser.	Arabian Journal for Science and Engineering	2021	2191-4281	SCIE	2.334
8	Mr.A.Arunkumar Dr.S.Ramabalan	Determined Material Selection on Adaptive Control Based Rocker Bogie for Different Manufacturing Configurations of Mobile Robot	Design Engineering	2021	0011-9342	UGC	1.41

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• **International Journals Published**

S.N O	STAFF NAME	TITLE OF THE PAPER	NAME OF THE JOURNAL	YEAR	ISSN NO.	REFERRED JOURNAL	IMPACT FACTOR
9	Dr.S.Chockalingam	Chatter control and stability analysis in cantilever boring bar using FEA methods	Materials today proceedings	2021	2577-2580	SCIE	2.3
10	Dr.M. Kathiresan	Optimization and analysis of micro structural friction stir welded AA5083 grade aluminum alloy	Journal of Ceramic Processing Research	2021	1229-9162	SCIE	0.61
11	S Muruges, N Manikandan, M Subramaniyan, S Chockalingam, G Surendar	Experimental investigation of electrode shape configuration in sustainable electric discharge machining process	IOP Conference Series: Materials Science and Engineering	2021	1757-899X	SCOPUS	0.51

• **Consultancy Work**

Sl. NO.	TITTLE	SANCTIONED FACULTY NAME	AMOUNT (IN RS.)	DURATION OF THE ACTIVITY
1	DESIGN AND FABRICATION OF ROBOTIC ARM	Dr.S.RAMABALAN	1250000	2 YEARS

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• **Patent Publications**

Applicant Name	Dr. S. Chockalingam Dr. S. Ramabalan Dr. G. Gurumoorthi Dr. V. Sivaramakrishnan
Title Of The Patent	Modular Clamping Device
Registration Number	202141010839
Cbr No	9353
Docket No	22494
Status	Published
Journal No	12/2021
Date	19/03/2021

Applicant Name	Dr. Chockalingam Singaravelu
Title of The Patent	IoT Based Air Quality Monitoring And Safety Recommendation System As A Wearable Device
Registration Number	20214107912
Cbr No	14178
Docket No	33516
Status	Published
Journal No	12/2021
Date	25/04/2021

• **Faculty Development Program Attended**

S.NO	STAFF NAME & DESIGNATION	PROGRAM DETAILS			
		NAME OF THE INSTITUTION	TITLE	DURATION	NO. OF DAYS
1	Mr.N.Manikandan	Rajasthan Technical University	Design of Experiments Using Taguchi Technique	26.01.2021-30.01.2021	5 Days

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• **Faculty Development Program Attended**

S.NO	STAFF NAME & DESIGNATION	PROGRAM DETAILS			
		NAME OF THE INSTITUTION	TITLE	DURATION	NO. OF DAYS
2	Dr.S.Krishnamohan	CIT	Sustainable Industrial Development Through INDUSTRY 4.0	01.03.2021-06.03.2021	6 Days
3	Dr.J.Jeevamalar	University College Of Engineering Thirukuvai	ME6501- Metrology and Measurements	31.05.2021-05-06-2021	6 Days
4	Dr.N.Ramanujam	University College Of Engineering Thirukuvai	ME6501- Metrology and Measurements	31.05.2021-05-06-2021	6 Days
5	Dr.S.Chockalingam	University College Of Engineering Thirukuvai	ME6501- Metrology and Measurements	31.05.2021-05-06-2021	6 Days
6	Dr.V.Sivaramakrishnan	University College Of Engineering Thirukuvai	ME6501- Metrology and Measurements	31.05.2021-05-06-2021	6 Days
7	Mr.G.Sundaravadivel	University College Of Engineering Thirukuvai	ME6501- Metrology and Measurements	31.05.2021-05-06-2021	6 Days
9	Mr.M.Subramaniyan	University College Of Engineering Thirukuvai	ME6501- Metrology and Measurements	31.05.2021-05-06-2021	6 Days
10	Mr.N.Manikandan	University College Of Engineering Thirukuvai	ME6501- Metrology and Measurements	31.05.2021-05-06-2021	6 Days

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• **Faculty Development Program Attended**

S.NO	STAFF NAME & DESIGNATION	PROGRAM DETAILS			
		NAME OF THE INSTITUTION	TITLE	DURATION	NO. OF DAYS
11	Mr. R.Balaji	Anurag University, Hyderabad	The Role of Artificial Intelligence and Machine Learning in Robotics and Automation	08.06.2021 – 13.06.2021	6 Days
12	Mr. P. Kalaignar	Anurag University, Hyderabad	The Role of Artificial Intelligence and Machine Learning in Robotics and Automation	08.06.2021 – 13.06.2021	6 Days
13	Mr. S. Ramesh	Anurag University, Hyderabad	The Role of Artificial Intelligence and Machine Learning in Robotics and Automation	08.06.2021 – 12.06.2021	6 Days
14	Mr. P. Aswin Chakravarthi	Anurag University, Hyderabad	The Role of Artificial Intelligence and Machine Learning in Robotics and Automation	08.06.2021 – 12.06.2021	6 Days
15	Mr. K.Kathirvelan	Anurag University, Hyderabad	The Role of Artificial Intelligence and Machine Learning in Robotics and Automation	08.06.2021 – 12.06.2021	6 Days
16	Mr. G. Ashok Kumar	Anurag University, Hyderabad	The Role of Artificial Intelligence and Machine Learning in Robotics and Automation	08.06.2021 – 12.06.2021	6 Days

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• **Faculty Development Program Attended**

S.NO	STAFF NAME & DESIGNATION	PROGRAM DETAILS			
		NAME OF THE INSTITUTION	TITLE	DURATION	NO. OF DAYS
17	Mr.G.Sundaravadivel	AICTE	Cutting Edge Technologies in Energy Storage System For E Mobility	14.06.2021-18.06.2021	5 Days
18	Mr.K.Senthilnathan	University College Of Engineering Thirukuvalai	Finite Element Analysis	21.06.2021-26.06.2021	6 Days
19	Mr.N.Prabhu	University College Of Engineering Thirukuvalai	Finite Element Analysis	21.06.2021-26.06.2021	6 Days
20	Mr.N.Manikandan	University College Of Engineering Thirukuvalai	Finite Element Analysis	21.06.2021-26.06.2021	6 Days
21	Mr.S.Harishkirthi	University College Of Engineering Thirukuvalai	Finite Element Analysis	21.06.2021-26.06.2021	6 Days
22	Mr.S.Murugesh	University College Of Engineering Thirukuvalai	Finite Element Analysis	21.06.2021-26.06.2021	6 Days
23	Mr.V.Manathunai Nathan	University College Of Engineering Thirukuvalai	Finite Element Analysis	21.06.2021-26.06.2021	6 Days
24	Mr.G.Sundaravadivel	AICTE	Nano Materials & Nanomechanics and their application in devices and sensors	28.06.2021-02.07.2021	5 Days

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• **Faculty Development Program Attended**

S.NO	STAFF NAME & DESIGNATION	PROGRAM DETAILS			
		NAME OF THE INSTITUTION	TITLE	DURATION	NO. OF DAYS
25	Dr.S.Krishnamohan	AICTE	Green Technology and Sustainability Engineering	05.07.2021-09.07.2021	5 Days
26	Dr.S.Krishnamohan	AICTE	Simulation of Welds and Optimization Techniques	12.07.2021-16-07.2021	5 Days
27	Mr.K.Senthilnathan	Sardar Vallabhbhai National Institute Of Technology	Advances in Manufacturing	26.07.2021-30.07.2021	5 Days
27	Dr.S.Krishnamohan	NIT Meghalaya	Sustainable Green Composites Design Manufacturing and Characterization	09.08.2021-13.08.2021	5 Days
28	Dr. M. Kathiresan	New Age Materials & Technologies	Sree Vidyanikethan Engineering College, Tirupati	04.10.21 to 08.10.21	5 Days

• **Faculty Members doing Higher Studies**

SL. NO.	NAME OF THE FACULTY	DOMAIN	UNIVERSITY
01	Prof. R.Sundar	Composite Materials	Anna University, Chennai
02	Prof. B.Manikandan	Composite Materials	Anna University, Chennai
03	Prof. V.Manathunai Nathan	Composite Materials	Anna University, Chennai
04	Prof. G.Sundaravadivel	Composite Materials	Anna University, Chennai
05	Prof. K.Senthil Nathan	Composite Materials	Anna University, Chennai
06	Prof. A.Arun Kumar	Robotics	Anna University, Chennai

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