

E.G.S. PILLAY ENGINEERING COLLEGE

(Autonomous)

Nagapattinam

Department of Mechanical Engineering

Manufacturing Club

Organising Seminar on

**“Role of
Additive Manufacturing Applications towards
Environmental sustainability”**

on

20.09.2023

Resource Person:

Dr.J.Jeevamalar.,M.E.,Ph.D

Assistant Professor, Anna University,

Chennai



One day Seminar

on

ROLE OF ADDITIVE MANUFACTURING

APPLICATIONS TOWARDS ENVIRONMENTAL SUSTAINABILITY



By

Dr. J.Jeevamalar, M.E., Ph.D.

Assistant Professor

Engineering Design Division

Department of Mechanical Engineering

Anna University, Chennai

Venue: E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

Date: 20.09.2023

EGS PILLAY **ENGINEERING COLLEGE** (AUTONOMOUS)



DEPARTMENT OF MECHANICAL ENGINEERING

One day Seminar on

**Role of Additive Manufacturing Applications
towards Environmental Sustainability**

By

Dr. J.Jeevamalar, M.E., Ph.D.,

Assistant Professor,

Engineering Design Division,

Department of Mechanical Engineering,

CEG Campus, Anna University, Chennai -600025.

Date : 20.09.2023

Time : 10.00am

Venue : A.P.J HALL

E.G.S. PILLAY ENGINEERING COLLEGE,

NAGAPATTINAM

Department Of Mechanical Engineering

Circular

Date: 13/09/2023

It is hereby informed to that the department of mechanical engineering is planned to conduct a **Role of additive Manufacturing Applications towards environmental sustainability** on 20/09/2023. All the Students (Third and Final year) of department of mechanical engineering are instructed to attend the program without fail.

 13/9/23
HOD/ Mech

**Dr. N. RAMANUJAM, M.Tech., Ph.D.,
Professor & Head
Department of Mechanical Engineering
E.G.S. Pillay Engineering College
Nagapattinam.**

Copy to:

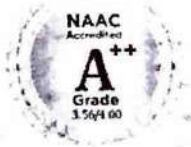
The Secretary, The Joint secretary, The Principal, Office file and Department file

E.G.S. PILLAY ENGINEERING COLLEGE

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

NAGAPATTINAM - 611002

DEPARTMENT OF MECHANICAL ENGINEERING



Seminar on

ROLE OF ADDITIVE MANUFACTURING APPLICATIONS TOWARDS ENVIRONMENTAL SUSTAINABILITY

Resource person :

Dr. J. Jeevamalar, M.E., Ph.D.,

Assistant Professor,

Engineering Design Division,

Department of Mechanical Engineering,

CEG Campus, Anna University, Chennai - 600025.

Date : 20-09-2023

Venue : APJ Block

Convener

Student Coordinators

Dr. S. Krishnamohan

H. Balaguru - IV Mech - A Sec

Mr. D. Hemachandran

S. Sivaguru - IV Mech - B Sec

Staff Coordinator

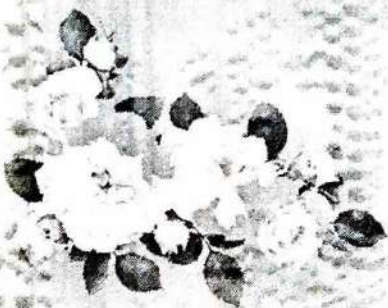
G.S. Harihara Raajan - III Mech - A Sec

Dr. G. Sundaravadivel

S. Udaya - III Mech - B Sec

Mr. K. Senthilnathan

Dr. A. Arunkumar



E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

Department Of Mechanical Engineering

Title : Role of additive Manufacturing Applications towards Environmental Sustainability

Date :13.09.2023

PROPOSED BUDGET:

S.NO	ITEMS DESCRIPTION	ESTIMATED AMOUNT (Rs.)
1.	Banner preparation & Certificate Design	500
2.	Accomodation	500
3.	Remuneration (resource person)	5000
TOTAL		6000



Program co-ordinator

Dr. A. ARUNKUMAR, M.E., Ph.D.,
ASSISTANT PROFESSOR
Department of Mechanical Engineering
E.G.S. Pillay Engineering College
Nagapattinam - 611 002.



HOD/ MECH

Dr. N. RAMANUJAM, M.Tech., Ph.D.,
Professor & Head
Department of Mechanical Engineering
E.G.S. Pillay Engineering College
Nagapattinam.



E.G.S. PILLAY ENGINEERING COLLEGE (Autonomous)

Nagapattinam - 611 002, Tamilnadu, India.

Provisionally Accredited by NBA (CSE, EEE, Mech; IT, ECE, Civil)

Accredited by NAAC with 'A' Grade

Affiliated to Anna University, Chennai / Approved by AICTE, New Delhi

An ISO 9001 : 2015 Certified Institution

Website: www.egspec.org, Email: principal@egspec.org, Ph: (04365) 251112, Fax: (04365) 251111

Dr. S. RAMABALAN, M.E. Ph.D.,
PRINCIPAL

19/09/2023

To,

Dr. J. Jeevamalar, M.E., Ph.D.,
Assistant Professor
Engineering Design Division
Department of Mechanical Engineering
CEG Campus, Anna University
Chennai – 600025.

Madam,

Sub: Invitation for seminar Presentation.

Ref: Your mail dated 19/09/2023

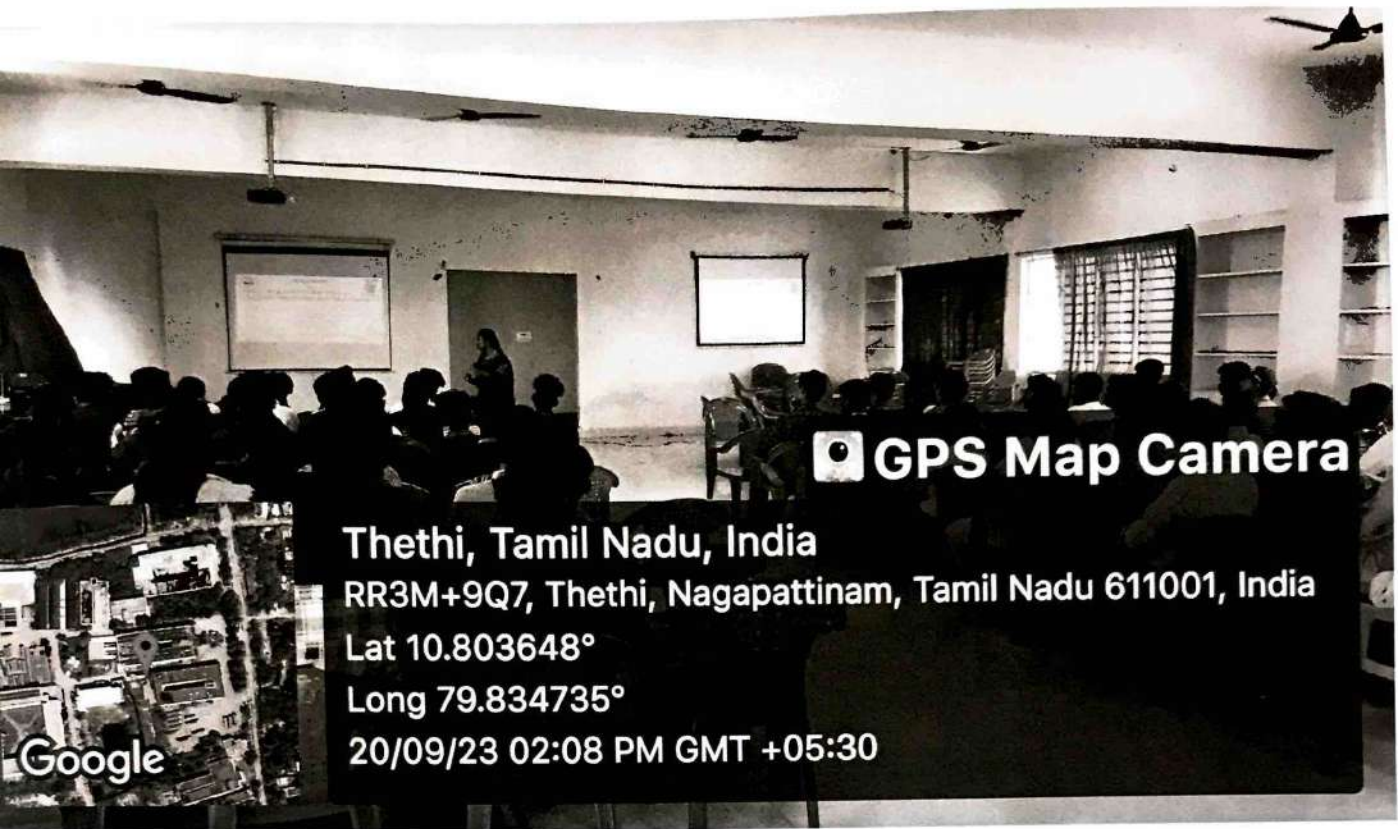
On behalf of our college, I thank you for accepting the Seminar presentation to our Mechanical Engineering Students. As per your mail communication, I invite you to give the seminar presentation on 20/09/2023 in the topic of "Role of Additive Manufacturing Applications towards Environmental Sustainability".

Thanking you



Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



 **GPS Map Camera**

Thethi, Tamil Nadu, India

RR3M+9Q7, Thethi, Nagapattinam, Tamil Nadu 611001, India

Lat 10.803648°

Long 79.834735°

20/09/23 02:08 PM GMT +05:30



Google



 **GPS Map Camera**

Thethi, Tamil Nadu, India

RR3M+9Q7, Thethi, Nagapattinam, Tamil Nadu 611001, India

Lat 10.803409°

Long 79.834378°

20/09/23 02:10 PM GMT +05:30

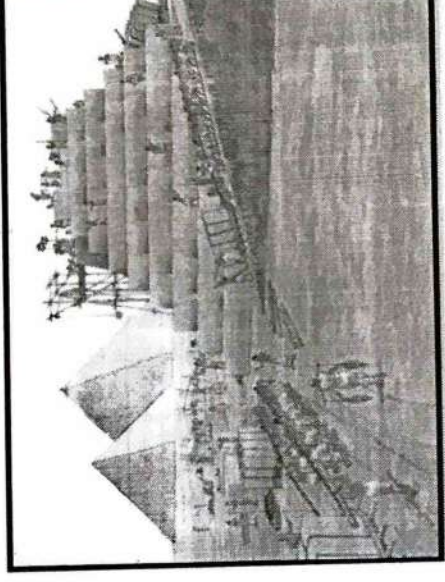
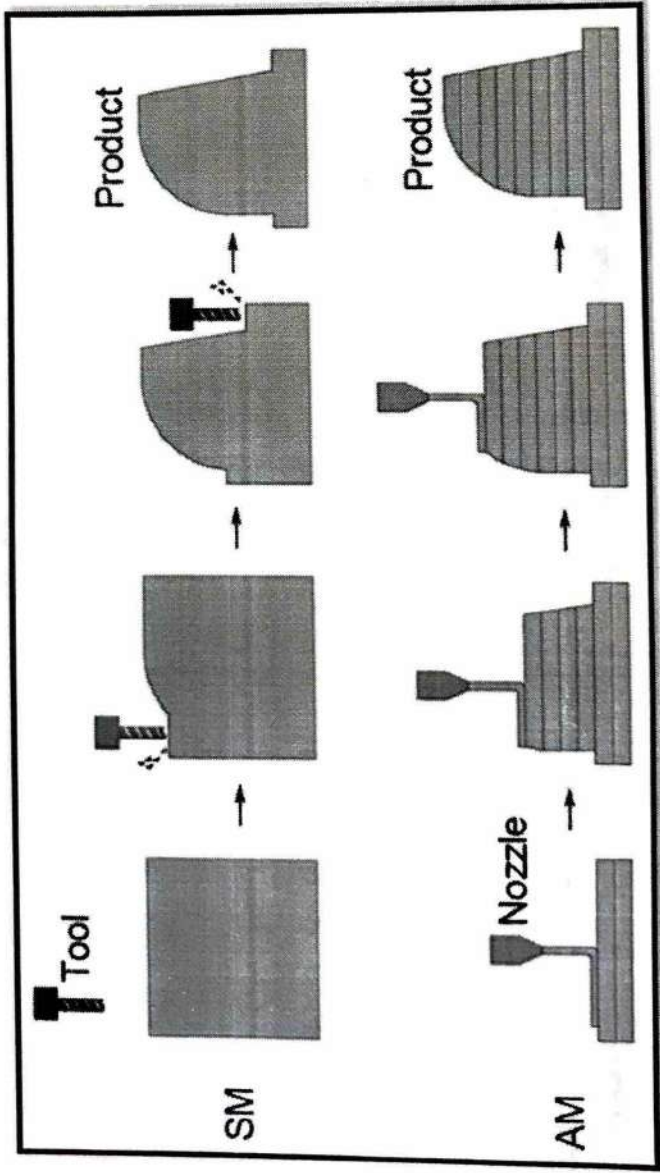


Google



ADDITIVE MANUFACTURING: REVOLUTIONIZING PRODUCTION

Additive manufacturing (AM) technology is a **nontraditional manufacturing** process which allows a part to be **built layer-by-layer**, whereas traditional manufacturing often requires a part to be made by joining separate components or by machining away unwanted material to produce the part.



E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM.
DEPARTMENT OF MECHANICAL ENGINEERING
III-MECH-A (2021-2025) / V SEMESTER
STUDENT ATTENDANCE

SL.NO	REG NO	NAME	SIGNATURE
1	8208E21MER001	AAKASH.A	A. Aakash
2	8208E21MER002	AATHISH.K	K. Aathish
3	8208E21MER003	ABDUL FARHAT M	M. Abdul Farhat
4	8208E21MER004	ABIMANYU S	S. Abimanyu
5	8208E21MER006	AGASTIN T	T. Agastin
6	8208E21MER007	AKASH S (14.02.2004)	S. Akash
7	8208E21MER008	AKASH S (27.07.2004)	AS
8	8208E21MER009	AKASHLINGAN K	K. Akashlingan
9	8208E21MER010	AMARNATH S	Break of Study
10	8208E21MER011	ANNAI THERASAN A	
11	8208E21MER012	ARAVIND S	S. Aravind
12	8208E21MER014	ARIHARAN T	T. Ariharan
13	8208E21MER015	ARUN KUMAR J	J. Arun Kumar
14	8208E21MER016	BALAGANAPATHY K	K. Balaganapathy
15	8208E21MER017	BALAJI K	K. Balaji
16	8208E21MER018	BARANIDHARAN A	A. Baranidharan
17	8208E21MER019	BHUVANESH M	M. Bhuvanesh
18	8208E21MER020	CHERAN R	R. Cheran
19	8208E21MER021	CHITHIRAIKUMAR G	G. Chithirai
20	8208E21MER024	DEEPAN RAJ K	K. Deepan Raj
21	8208E21MER025	DEVENDRAPRASATH S	S. Devendraprasath
22	8208E21MER027	DHANUSH KUMAR R	R. Dhannush Kumar
23	8208E21MER028	ELAM VAZHUTHI R 7.5	R. Elamvazhuthi
24	8208E21MER029	ELANKUMARAN A	A. Elankumaran
25	8208E21MER030	ESWARAN M	M. Eswaran
26	8208E21MER031	HARIHARA RAAJAN G	G. Harihara Rajan
27	8208E21MER032	HARIHARASUDHAN M	M. Hariharasudhan
28	8208E21MER033	HARIKIRSHNAN G	G. Hari Kirshnan
29	8208E21MER034	HARISH D	D. Harish
30	8208E21MER035	HARISH M	M. Harish
31	8208E21MER036	HARISH S	S. Harish

SL.NO	REG NO	NAME	SIGNATURE
32	8208E21MER037	HARISH V	V.Harish
33	8208E21MER038	JEFFERSON R	Break of Study
34	8208E21MER039	KARAN R	R. Karan
35	8208E21MER040	KARNAN K	K. Karnan
36	8208E21MER041	KARTHIK VIASAR S	S. Karthick Viasar
37	8208E21MER042	KARTHIK G	G. Karthick
38	8208E21MER044	KAVINESH S	S. Kavish
39	8208E21MER045	KAVIRAJ K	K. Kaviraj
40	8208E21MER046	KAVIYARASAN T	T. KAVIYARASAN
41	8208E21MER047	KEERTHIVASAN	Keerthivasan
42	8208E21MER049	KISHORE K	K. Kishore
43	8208E21MER050	MADHAN KUMAR M	M. Madhan Kumar
44	8208E21MER051	MADHAVAN M	M. Madhan
45	8208E21MER052	MANIKANDAN M	LONG ABSENT
46	8208E21MER053	MANIKANDAN V	M. Manikandan
47	8208E21MER054	MANIKANDAN U	M. Manikandan
48	8208E21MER055	MANIMARAN K	7.5 Scheme Pending
49	8208E21MER056	MANOJ J	J. Manoj
50	8208E21MER057	MATHIYAZHAGAN S	S. Mathiyazhagan
51	8208E21MER058	MOHAMED ASIMUDEEN M	M. Mohamed Asimudeen
52	8208E21MER059	MOHAMED BILAL M	M. Mohamed Bilal
53	8208E21MER060	MOHAMED IMRAN KHAN M	M. Mohamed Imran Khan
54	8208E21MEL301	AJAY GANESH S	S. Ajay Ganesh
55	8208E21MEL302	AKASH U	U. Akash
56	8208E21MEL304	ATHEEPAN E	E. Atheepan
57	8208E21MEL306	BARATH KUMAR S	S. Barath Kumar
58	8208E21MEL308	GUHAN P	P. Guhan
59	8208E21MEL309	KISHOTKUMAR R	R. Kishotkumar
60	8208E21MEL315	SEBA SILVES S	S. Seba Silves
61	8208E21MEL316	SRINIVASAN S	S. Srinivasan

E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM.
DEPARTMENT OF MECHANICAL ENGINEERING
III-MECH-B (2021-2025) / V SEMESTER
STUDENT ATTENDANCE

SL.NO	REG NO	NAME	SIGNATURE
1	8208E21MER062	MOHAMMED HAMZA	M. Hamza
2	8208E21MER063	NARESH R	R. Nareesh
3	8208E21MER064	NITHISHKUMAR K	K. Nithish
4	8208E21MER065	PANDARINATHAN A	A. Pandarinathan
5	8208E21MER066	PRAKASH A	A. Prakash
6	8208E21MER068	PRAVEEN K	K. Praveen
7	8208E21MER069	PRAVEEN S	S. Praveen
8	8208E21MER070	PRAVIN R	R. Pravin
9	8208E21MER071	PREMGURU S	S. Premguru
10	8208E21MER072	PREMNATH R	R. Premnath
11	8208E21MER073	RAGUL R	R. Ragul
12	8208E21MER075	RAHULRAJ R	R. Rahulraj
13	8208E21MER076	RAJARAJAN R	R. Rajarajan
14	8208E21MER077	RAMAKRISHNAN S	S. Ramakrishnan
15	8208E21MER078	SABIRAJ S	S. Sabiraj
16	8208E21MER080	SAKTHI VINAYAGAM N	N. Sakthi Vinayagam
17	8208E21MER081	SAKTHIESWARAN M	M. Sakthieswaran
18	8208E21MER082	SANJAI M	M. Sanjai
19	8208E21MER083	SANJEEV J	J. Sanjeev
20	8208E21MER084	SARAVANAN M	M. Saravanan
21	8208E21MER086	SELVAMANI R	R. Selvamani
22	8208E21MER087	SHAKILAN N	N. Shakilan
23	8208E21MER088	SHANMUGAPRIYAN B S	S. Shanmugapriyan
24	8208E21MER089	SISEASWARAN S	S. Siseaswaran
25	8208E21MER090	SIVA M	M. Siva
26	8208E21MER091	SIVARANJANI P	P. Sivaranjani
27	8208E21MER092	SRIBAN D	D. Sriban
28	8208E21MER093	SRIRAMAN S	S. Sriraman
29	8208E21MER094	SUBASH S	S. Subash
30	8208E21MER095	SUDHIP JAI S	S. Sudhip Jai
31	8208E21MER097	SUSEENDRAN A	A. Suseendran

SL.NO	REG NO	NAME	SIGNATURE
32	8208E21MER099	SUYAM PRAKASA R	
33	8208E21MER101	THENNARASAN K	
34	8208E21MER102	THULASIRAMAN V	K. Thennarasana V. Thulasiraman
35	8208E21MER103	UDHAYA S	
36	8208E21MER104	UDHAYA PRIYAN R	
37	8208E21MER105	UTHAYAPRAKASH M	R. Udaya
38	8208E21MER107	VIGNESH S	M. Vignesh S. Vignesh
39	8208E21MER108	VIGNESH A	A. Vignesh
40	8208E21MER109	VIGNESHVAR I	
41	8208E21MER110	VIGNESHWARAN R	
42	8208E21MER111	VIJAYANANDH P	P. Vijayanandh
43	8208E21MER113	VISHVA S	S. Vishva
44	8208E21MER114	VISHWA M	
45	8208E21MER115	YOGAN S	
46	8208E21MER117	YOGESHWAR S	
47	8208E21MER118	YUVAN RAJ N	
48	8208E21MER119	YUVARAJ R	
49	8208E21MEL303	ASWINDHAN .B	
50	8208E21MEL305	BARANIDHARAN N V	
51	8208E21MEL307	GOKULRJ S	S. Gokulraj
52	8208E21MEL310	MARK ANTONY REGON	
53	8208E21MEL311	NIHAL AHAMED A	A. Nihal
54	8208E21MEL312	RAGAVENDRAN R	
55	8208E21MEL313	RAGUL R	
56	8208E21MEL314	RAMKUMAR A	A. Ramkumar
57	8208E21MEL317	SRIRAM P	
58	8208E21MEL318	VIKRAM K	K. Vikram

E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM.
DEPARTMENT OF MECHANICAL ENGINEERING
IV-MECH-A (2020-2024) / VII SEMESTER
STUDENT ATTENDANCE

SL.NO	REG NO	NAME	SIGNATURE
1	E20MER001	ABINASH M	Abinash
2	E20MER002	AFRANUDEEN Y	V. Afranudeen
3	E20MER003	AJAYKRISHNAN G	G. Jaykrishnan
4	E20MER004	AKASH M	Akash
5	E20MER006	ARAVINTHAN K	Aravindhan
6	E20MER007	ARULSELVAN G	Arulseivan
7	E20MER008	ARUN PRABAKARAN A	Arun Prabakaran
8	E20MER009	ARUN S	Arun S
9	E20MER010	ARUNBHARATHI B	B. Arun
10	E20MER011	ARUNKUMAR S	S. Arun
11	E20MER012	ARUNPRAGASH P	P. Arun Pragasah.
12	E20MER013	BALAGURU H	Balaguru H.
13	E20MER014	BALAKUMARAN R	Balakumaran R.
14	E20MER015	BHUVANESHWARAN A	A. Bhuvaneshwaran
15	E20MER016	DHARUN T	Dharun T.
16	E20MER017	DHILEEPKUMAR T	T. Dhileepkumar
17	E20MER018	DHINESH P	P. Dhinesh
18	E20MER019	DHINESH V	V. Dhinesh
19	E20MER021	DINESH BABU M	M. Dinesh Babu
20	E20MER022	GURUSWARAN R	R. Guruswaran
21	E20MER023	HARI PRASANNA M	M. Hari Prasan
22	E20MER025	HARISH K	K. Harish
23	E20MER026	HASSAN ALI S	S. Hassan Ali
24	E20MER028	JEEVITHAN M	M. Jeevithan
25	E20MER029	JEYAPRAKASH S	S. Jayaprakash
26	E20MER030	KALIDOSS G	G. Kalidoss
27	E20MER031	KAMALESH T	T. Kamalash
28	E20MER033	KAVIYARASAN M	M. Kaviyarasan
29	E20MER034	KESAVAMOORTHY P	P. Kesavamoorthy
30	E20MER035	KUMARESAN P	P. Kumaresan
31	E20MER036	LALITHKUMAR B S	S. Lalithkumar

SL.NO	REG NO	NAME	SIGNATURE
32	E20MER037	MADHESH R S	Madesh R.S.
33	E20MER038	MANIRAMAN B	Mani Raman B.
34	E20MER040	MARAIMUDHALVAN P	M. Marimuthalvan P.
35	E20MEL301	ABDUL RISFAAH M	Abdul Risfaah M.
36	E20MEL302	ABDULLAH A	Abdullah A.
37	E20MEL303	ADHITHYAN K	Adhithyan K.
38	E20MEL304	ANBARASAN G	Anbarasan G.
39	E20MEL305	ANTHIREYA K	Anthireya K.
40	E20MEL306	ARIHARAN J	Ariharan J.
41	E20MEL307	ARUN R	Arun R.
42	E20MEL308	BALAKUMAR C	Balakumar C.
43	E20MEL309	BHUVANESHWARAN S	S. Bhuvaneshwaran S.
44	E20MEL310	DEEPAK S	S. Deepak S.
45	E20MEL311	DHANANJAY K S	Dhananjay K.S.
46	E20MEL312	DHILIPAN S	Dhilipan S.
47	E20MEL313	ELAVARASAN K	Elavarasan K.
48	E20MEL314	GANESH K	Ganesh K.
49	E20MEL315	GANESH S	Ganesh S.
50	E20MEL316	GOKULAVARSHAN A R	Gokulavarshan A.R.
51	E20MEL317	GOWBALAN G	Gowbalan G.
52	E20MEL318	GUHAN K	Guhan K.
53	E20MEL319	GURUPRAKASH M	Guruprakash M.
54	E20MEL320	HUSSAIN ALI . S	Hussain Ali S.
55	E20MEL321	JAGADHEESHWAR K	Jagadheeshwar K.
56	E20MEL322	JAIWISH N	Jaiwish N.
57	E20MEL323	JAYASURYA R	Jayasurya R.
58	E20MEL324	KABILAN E	Kabilan E.
59	E20MEL325	KARTHIK B	Karthik B.
60	E20MEL326	KARTHIKESWARAN N	Karthikeswaran N.
60	E20MEL327	KARTHIKEYAN T	T. Karthikeyan.
62	E20MEL328	KISHOR S A	Kishor S.A.




(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagapattinam - 611002
Department of Mechanical Engineering



CERTIFICATE

This is to certify that **Dr. KRISHNA MOHAN S** has attended the seminar of Additive Manufacturing Applications Towards Environmental Sustainability organised by Department of Mechanical Engineering, E.G.S.Pillay Engineering College, Nagapattinam - 611002 on 20th September 2023.


Dr. S. Krishnamohan
Convener


Mr. R. Hemachandran
Co-convenor


Dr. N. Ramanujam
HoD/Mechanics

Dr. S. Ramabalan

Dr.S.RAMABALAN M.E.Ph.D.,
PRINCIPAL

20/09/2023

CERTIFICATE

This is to certify that **Dr. J. JEEVAMALAR , M.E, Ph.D.,**
Assistant Professor – Engineering Design Division, Department of
Mechanical Engineering, CEG Campus, Anna University, Chennai
has delivered an Guest Lecture on “**Role of Additive Manufacturing
Applications towards Environmental Sustainability**” on 20/09/2023
organized by Department of Mechanical Engineering, E.G.S.Pillay
Engineering College, Nagapattinam.



Dr. S. Ramabalan
20/9/23

PRINCIPAL
Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College.
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Title : Seminar on Additive Manufacturing Applications towards Environmental Sustainability

Program Outcomes (PO)

PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and engineering specialization to the solution of complex engineering problems.

PO4: 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.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: 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.

PO12: Life Long Learning: Recognize the need for, and have the preparation and ability to engage in dependent and lifelong learning in the broadest context of technological change.

SO 2 Apply the concepts of modern manufacturing and industrial engineering techniques in industries.

*	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Act	3	-	-	2	-	2	-	-	-	-	-	3	-	3	-



HEAD OF THE DEPARTMENT
 Department of Mechanical Engineering
 E.G.S. Pillay Engineering College
 Nagapattinam.

PO/PSO ATTAINMENT

Title : Seminar on Additive Manufacturing Applications towards Environmental Sustainability

PO/PSO Attainment

*	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PS O1	PS O2	PS O3
Act	3	-	-	3	-	3	-	-	-	-	-	-	-	3	-

All the above mentioned POs as mapped with Activities are attained at high level: (3) as feedback suggests more than 80% marks for each question.

3: High


HOD/Mech

HEAD OF THE DEPARTMENT
Department of Mechanical Engineering
E.G.S. Pillay Engineering College
Nagapattinam

Title : Seminar on Additive Manufacturing Applications towards Environmental Sustainability

Outcome Analysis

1. Overall, the initiative was supported and received good feedback from the students
2. Students are interested to have such type of technical seminar quite often.


Coordinator


HOD/Mech
HEAD OF THE DEPARTMENT
Department of Mechanical Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam

FEEDBACK ANALYSIS

Q.NO	QUESTION	OPTIONS	COUNT	LEVEL
1	How would you rate the clarity of the explanations provided during the Seminar on Additive Manufacturing Applications towards Environmental Sustainability?	1	-	HIGH
		2	-	
		3	85	
		4	30	
2	Did the Webinar effectively cover the essential aspects of Seminar on Additive Manufacturing Applications towards Environmental Sustainability as per your expectations?	1	-	HIGH
		2	-	
		3	90	
		4	25	
3	How relevant do you find the topics discussed in the Webinar to your understanding of Seminar on Additive Manufacturing Applications towards Environmental Sustainability in practical applications?	1	-	HIGH
		2	-	
		3	81	
		4	34	
4	Did the speaker provide practical examples or case studies that enhanced your understanding of Seminar on Additive Manufacturing Applications towards Environmental Sustainability concepts?	1	-	HIGH
		2	-	
		3	80	
		4	35	
5	How engaging was the speaker in delivering the content, keeping your interest throughout the Webinar?	1	-	HIGH
		2	-	
		3	87	
		4	28	
6	Were the interactive elements, such as Q&A sessions or polls, effective in facilitating your participation and learning experience?	1	-	HIGH
		2	-	
		3	95	
		4	20	
7	How would you rate the audio and visual quality of the Webinar?	1	-	HIGH
		2	-	
		3	85	
		4	30	
8	Do you feel more confident in applying the Seminar on Additive Manufacturing Applications towards Environmental Sustainability learned in the Webinar to real-world scenarios?	1	-	HIGH
		2	-	
		3	89	
		4	26	
9	To what extent do you feel the enhanced your understanding of Seminar on Additive Manufacturing Applications towards Environmental Sustainability?	1	-	HIGH
		2	-	
		3	86	
		4	29	
10	Do you feel more confident in applying the Seminar on Additive Manufacturing Applications towards Environmental Sustainability concepts learned in the Webinar to real-world scenarios?	Yes	100	HIGH
		No	15	