



MECHAZINE

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Sports/Athletics

Department of
Mechanical
Engineering

Editor:

The Head,
Department of
Mechanical Engineering

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3. S. Sakthi Bhuvaneshwaran, Third Year, B. E. (Mechanical Engineering)
4. K. S. Naveen, Second Year, B. E. (Mechanical Engineering)

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Congratulations

Our student Mr. Abivikram is a member of the team which re-wards in South Zone Inter University Athletics championship.

SOUTH ZONE INTER UNIVERSITY ATHLETICS CHAMPIONSHIPS 2023-24
Organised by: TNPESU, CHENNAI
Date 29th Dec 2023 1st Jan 2024

Annamalai university



4x100 relay new university record
140 ABIVIKRAM G (42.09secs) 142 BAIRAVAN V
141 EBINESAR S 143 RAMJI S

SWAYAM Courses

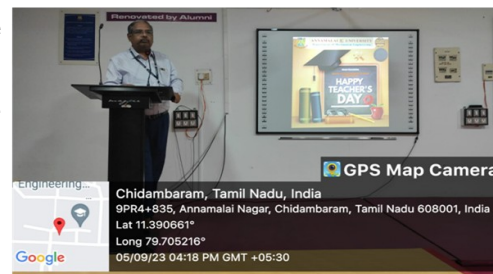
The following list of students have successfully completed the SWAYAM courses. The successful candidates are permitted to avail credit transfer in their future curriculum. Congratulation to all of them.

SWAYAM Courses by Students

S. No.	Name	Enroll. no.	Course title	Institution	Score	Year
1.	Jayakumar J	2132010003	Automation in Manufacturing	IIT Guwahati	55	Jul-Oct 23
2.	Vignesh R	2132010043	Automation in Manufacturing	IIT Guwahati	61	Jul-Oct 23
3.	Gopinathan A	2032010023	Computational Fluid Dynamics and Heat Transfer	IIT Kanpur	41	Jul-Oct 23
4.	Hariharan V	2032010068	Engineering Metrology	IIT Kanpur	56	Jul-Oct 23
5.	Jayakumar K	2132090017	Engineering Metrology	IIT Kanpur	54	Jul-Oct 23
6.	Sivaraj P	2132010055	Metal Additive Manufacturing	IIT Kanpur	71	Jul-Oct 23
7.	Abishek S	2032010002	Rapid Manufacturing	IIT Kanpur	63	Jul-Oct 23
8.	Akash R	2032010005	Rapid Manufacturing	IIT Kanpur	60	Jul-Oct 23
9.	Balachandar K	2032010011	Rapid Manufacturing	IIT Kanpur	65	Jul-Oct 23
10.	Charan VR	2032010015	Rapid Manufacturing	IIT Kanpur	60	Jul-Oct 23
11.	Dhinagar S	2032010019	Rapid Manufacturing	IIT Kanpur	60	Jul-Oct 23
12.	Gokul S	2032010022	Rapid Manufacturing	IIT Kanpur	60	Jul-Oct 23
13.	Gurunathan TP	2032010025	Rapid Manufacturing	IIT Kanpur	65	Jul-Oct 23
14.	Krithikkumar S	2032010032	Rapid Manufacturing	IIT Kanpur	56	Jul-Oct 23
15.	Kuttiyandy S	2032010033	Rapid Manufacturing	IIT Kanpur	68	Jul-Oct 23
16.	Sudharsan M	2032010052	Rapid Manufacturing	IIT Kanpur	66	Jul-Oct 23
17.	Suriyaprakash D	2032010053	Rapid Manufacturing	IIT Kanpur	60	Jul-Oct 23
18.	Ganapathi M	2132010017	Rapid Manufacturing	IIT Kanpur	67	Jul-Oct 23
19.	Sritharan V	2132010057	Rapid Manufacturing	IIT Kanpur	53	Jul-Oct 23
20.	Sudarsanan G K	2132010058	Rapid Manufacturing	IIT Kanpur	70	Jul-Oct 23
21.	Vigneshwaran S	2132010061	Rapid Manufacturing	IIT Kanpur	54	Jul-Oct 23
22.	Vijayaraj P	2132010062	Rapid Manufacturing	IIT Kanpur	62	Jul-Oct 23
23.	Raghul G	2232090006	Rapid Manufacturing	IIT Kanpur	54	Jul-Oct 23
24.	Abdul Haadi S	2232090009	Rapid Manufacturing	IIT Kanpur	60	Jul-Oct 23
25.	Ariharan M	2232090011	Rapid Manufacturing	IIT Kanpur	60	Jul-Oct 23
26.	Harigovind U	2032010001	Social Innovation in Industry 4.0	IIT Kanpur	75	Jul-Oct 23
27.	Abishek S	2032010002	Social Innovation in Industry 4.0	IIT Kanpur	63	Jul-Oct 23
28.	Balachandar K	2032010011	Social Innovation in Industry 4.0	IIT Kanpur	73	Jul-Oct 23
29.	Charan VR	2032010015	Social Innovation in Industry 4.0	IIT Kanpur	75	Jul-Oct 23
30.	Dhanuchithiran P	2032010018	Social Innovation in Industry 4.0	IIT Kanpur	78	Jul-Oct 23
31.	Dhinagar S	2032010019	Social Innovation in Industry 4.0	IIT Kanpur	77	Jul-Oct 23
32.	Gurunathan TP	2032010025	Social Innovation in Industry 4.0	IIT Kanpur	60	Jul-Oct 23
33.	Krithikkumar S	2032010032	Social Innovation in Industry 4.0	IIT Kanpur	67	Jul-Oct 23
34.	Kuttiyandy S	2032010033	Social Innovation in Industry 4.0	IIT Kanpur	76	Jul-Oct 23
35.	Natarajan V	2032010037	Social Innovation in Industry 4.0	IIT Kanpur	77	Jul-Oct 23
36.	Sakthi Bhuvaneshwaran S	2032010045	Social Innovation in Industry 4.0	IIT Kanpur	90	Jul-Oct 23
37.	Sudharsan M	2032010052	Social Innovation in Industry 4.0	IIT Kanpur	84	Jul-Oct 23
38.	Suriyaprakash D	2032010053	Social Innovation in Industry 4.0	IIT Kanpur	60	Jul-Oct 23
39.	Udaya Prakash S	2032010059	Social Innovation in Industry 4.0	IIT Kanpur	75	Jul-Oct 23
40.	Vinoth V	2032010061	Social Innovation in Industry 4.0	IIT Kanpur	55	Jul-Oct 23
41.	Aakash S	2132010007	Social Innovation in Industry 4.0	IIT Kanpur	60	Jul-Oct 23
42.	Gunal T	2132010020	Social Innovation in Industry 4.0	IIT Kanpur	66	Jul-Oct 23
43.	Jacob Israel S	2132010027	Social Innovation in Industry 4.0	IIT Kanpur	63	Jul-Oct 23
44.	Naveen K S	2132010037	Social Innovation in Industry 4.0	IIT Kanpur	77	Jul-Oct 23
45.	Nijandhan K	2132010039	Social Innovation in Industry 4.0	IIT Kanpur	73	Jul-Oct 23
46.	Niranjan S	2132010040	Social Innovation in Industry 4.0	IIT Kanpur	81	Jul-Oct 23
47.	Rajesh K	2132010046	Social Innovation in Industry 4.0	IIT Kanpur	61	Jul-Oct 23

Event Organized

Teachers day was celebrated in the Department of Mechanical Engineering, Annamalai University, (05.09.2023) @ MEC Hall, Department of Mechanical Engineering, Annamalai University.



To celebrate the Engineers day a Special Lecture on “Clean Coal Technology” was delivered by Dr. CM. Raguraman, Associate Professor, Department of Mechanical Engineering, Annamalai University, (15.09.2023) – 35 participants @ MEC Hall, Department of Mechanical Engineering, Annamalai University.

Prof. M. Gnanam, President, Gandhi Manram, Chidambaram delivered a special lecture on the title “Freedom Movement of India” to the students of Mechanical Engineering on 27.09.2023 at 10:00 AM in the MEC Hall at 10 am. 89 students attended the lecture and got benefitted.



A National Workshop on “Applications of Artificial Intelligence in Renewable Energy (AIRE23)” was organized by the Department of Mechanical Engineering, Annamalai University on 11.10.2023 and 12.10.2023. The workshop was inaugurated by Dr. C. Karthikeyan, Dean, FEAT. Mr. M.V. Venkatesh, Sr. Manager, Mastek limited, Chennai, was the chief guest.

“NPTEL awareness workshop” was organized on 08.12.2023 with Dr. S. Saravanan, Associate Professor, Mechanical Engineering as Resource person. 70 students participated in the workshop.



Faculty Highlights



Dr. M. Loganathan, Professor of Mechanical Engineering Department attended and presented a research article titled “Investigation of Diesel Engine in Dual Fuel Mode by Using Hydrogen and Low Carbon Ether Blended Diesel” at the 14th International Conference on Hydrogen Production (ICH2P-2023), organized by Hamad Bin Khalifa University, Qatar.



Dr. D. Karthikeyan, Associate Professor of Mechanical Engineering Department attended and presented a research paper in the 3rd International Conference on Recent Advances in Materials and Manufacturing Technologies (IMMT 2023), BITS Pilani, Dubai Campus, U.A.E.

NPTEL Domain Scholar

Mr. K. Kumararaja, Research Scholar, Department of Mechanical Engineering, Annamalai University, achieved Faculty Domain—Fundamentals Certificate through SWAYAM—NPTEL.



PhD Viva-Voce

Congratulations on successfully defending theses! The dedication and hard work displayed have led to this achievement, marking an important milestone in academic journeys.

Ph.D., No.	Date	Name of the scholar	Title	Name of the supervisor
129	17.07.2023	Mr. Arangarajan	EXPERIMENTAL ANALYSIS OF EMISSION AND COMBUSTION CHARACTERISTICS OF CRDI DIESEL ENGINE USING BIO-DIESEL BLENDS AT HIGH INJECTION PRESSURE WITH SCR	Dr. A. Raja
130	10.08.2023	Mr. Subir Das	STUDIES ON ENHANCEMENT OF NEYVELI LIGNITE MINES ENVIRONMENT BY ADOPTING SUITABLE CONTROLLING MEASURE	Dr. C. G. Saravanan
131	27.10.2023	Mr. G. Manikandan	INFLUENCE OF ABSORBER SURFACE VARIATIONS ON THE SOLAR WATER HEATER PERFORMANCE	Dr. G. Murugan
132	21.12.2023	Mr. R. Jayaprakash	EFFECT OF INJECTION PRESSURE AND INJECTION TIMING IN DIESEL ENGINE USING ACETYLENE BLENDS WITH BIODIESEL	Dr. S. Sivaprakasam

ATAL FDP Organized

Participants

The faculty members of the AICTE approved institutions, Ph.D. scholars, PG students, members from Government & Industries, and Staff of host institutions, are eligible to attend the programme. Participants interested to attend this program need to make compulsory online registration. Last date of online registration is **04/11/2023**. Shortlisted candidates will be informed through their email within a week after registration is closed.

Accommodation

Selected out station participants will be provided accommodation at the University hostels / guest houses on payment basis as per the University tariff during the programme.

Registration

There is no registration fee to attend this program. Program will be in **offline**. Registration must be done only through AICTE-ATAL academy. The interested members must visit <https://www.aicte-india.org/atal>, register themselves by providing all their personal and student/ employment details. This procedure requires uploading of colour photo, Signature, ID Card (for students), and Consent letter (for employees) from their employers in JPEG format.

Certificate

Certificate will be provided by ATAL Academy after successful completion of FDP. Minimum 80% attendance and 60% marks in assessment conducted at the end of the program are required to earn the certificate.

Connectivity

Annamalai University is located near Chidambaram Town which is well connected by Road and Rail. It is 200 km south of Chennai, 70 km south of Pondicherry and 150 km north of Tiruchirappalli.

ORGANIZING COMMITTEE

Chief Patron : Dr. RM. Kathiresan,
Vice Chancellor, Annamalai University.
Patron : Dr. R. Singaravel,
Registrar i/c, Annamalai University.
Vice- Patron : Dr. C. Karthikeyan,
Dean, FEAT, Annamalai University.
Conveners : Dr. D. Venkateshkar,
Professor & Head,
Department of Information Technology
: Dr. S. Valthiyanathan
Professor & Head,
Department of Mechanical Engineering
: Dr. C. G. Saravanan
Professor of Mechanical Engineering
Director, Mining Engineering

Important Dates:

Last date for Registration : **04.11.2023**
Selection Notification : **10.11.2023**
FDP Duration : **20.11.2023 to 25.11.2023**

Address For Communication

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ANNAMALAI UNIVERSITY

(Accredited with 'A+' Grade by NAAC)



AICTE Training and Learning (ATAL) Academy



Sponsored Faculty Development Program (FDP) on "Recent Developments on Intelligent Algorithms and Electric Vehicle Technologies"
20-25 Nov. 2023



Coordinators

Dr. J. SASIKALA
Associate Professor
Department of Information Technology
Dr. B. PREM ANAND
Associate Professor
Department of Mechanical Engineering



Organized by
Department of Information Technology
Department of Mechanical Engineering



Faculty of Engineering and Technology
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Annamalai Nagar – 608 002
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Smart India Hackathon 23

Congratulations to all six batches who showcased their talent and innovation at SIH 2023! Your hard work, creativity, and dedication have made us incredibly proud.

Name	Gender (M/F)	Email id	Mobile no.	Stream	Year
A. CHAKKARAVARTHI	MALE	chakkaravarthianbalagan13@gmail.com	8056445752	MECH	Third Year
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B.AASTHIYA	FEMALE	aasthiyabharathi96@gmail.com	9994929415	RESEARCH SCHOLAR	Second Year

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Director - I	S. SARAVANAN	M	ssvcdm@gmail.com	9443676936	MECH	Professor

	Name	Gender (M/F)	Email id	Mobile no.	Stream	Year
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Team Member	MOHAMMED ASHARUDEEN.H.M	M	mohammedasharudeenhm@gmail.com	9360296092	Mechanical	IV

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Team Member	ABILESH. M	M	abiles919@gmail.com	8270409971	MECH	III
Team Member	B. AASTHIYA	F	aasthiyabharathi96@gmail.com	9994929415	MECH	II

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	B. AASTHIYA	F	aasthiyabharathi96@gmail.com	9994929415	MECH	II

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WE'RE ON THE WEB

[HTTPS://WWW.ANNAMALAIUNIVERSITY.AC.IN/E09_INFO.PHP?DC=E09](https://www.annamalaiuniversity.ac.in/E09_INFO.PHP?DC=E09)



VISION:

The Mechanical Engineering Department endeavors to be recognized globally for outstanding education and research leading to well-qualified engineers who are innovative, entrepreneurial and successful in advanced fields of Mechanical Engineering to cater to the ever changing industrial demands and social needs.

MISSION:

1. Prepare the graduates to pursue life-long learning, serve the profession and meet the intellectual, ethical and career challenges.
2. Extend a vital, state-of-the-art infrastructure to the students and faculty with opportunities to create, interpret, apply and disseminate knowledge.
3. Develop the student community with wider knowledge in the emerging fields of Mechanical Engineering.
4. Provide set of skills, knowledge and attitude that will permit the graduates to succeed and thrive as engineers and leaders.
5. Create a conducive and supportive environment for all round of growth of the students, faculty and staff.

PROGRAM EDUCATIONAL OBJECTIVES:

1. Prepare the graduates with a solid foundation in Engineering, Science and Technology for a successful career in Mechanical Engineering.
2. Train the students to solve problems in Mechanical Engineering and related areas by engineering analysis, computation and experimentation, including understanding basic mathematical and scientific principles.
3. Inculcate students with professional and ethical attitude, effective communication skills, team work skills and multidisciplinary approach.
4. Provide opportunity to the students to expand their horizon beyond mechanical engineering.
5. Develop the students to adapt to the rapidly changing environment in the areas of mechanical engineering and scale new heights in their profession through lifelong learning.

NPTEL Motivated Learner

Mr. K. Kumararaja, Research Scholar, Department of Mechanical Engineering, Annamalai University, achieved Motivated Learner Certificate through SWAYAM—NPTEL.

