May 2024

NEWS LETTER

KARPAGAM INSTITUTE OF TECHNOLOGY
Inspiring Innovation
Approved by AICTE and Affiliated to Anna University
Accredited by NBA (CSE, IT, ECE)
(An ISO 9001:2015 and ISO 14001:2015 Certified Institution)

Technie's Dreams

Vol.11, Issue 2, 2023

DEPARTMENT OF MECHANICAL ENGINEERING

Editorial Student Members

Mr.Rohith V

Mr.Arunkumar P

Mr.Mano Bharath M P

Editorial Faculty Members

Mr.A.J.Infant Jegan Rakesh
AP/MECH

INSTITUTION VISION & MISSON

VISION

- To impart quality technical education emphasizing innovations and research with social and ethical values.

MISSION

- Establishing state-of-the-art infrastructure, effective procedures for recruitment of competent faculty and innovative teaching practices.
- Creating a conducive environment for nurturing innovative ideas and encouraging research skills.
- Inculcating social and ethical values through co-curricular and extra-curricular activities

Department Vision & Misson

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Mission

- Establishing state-of–the-art infrastructure, effective procedures for recruitment of competent faculty and innovative teaching practices.
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Program Outcomes

PO's

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 team work: 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 technological change.

Program Educational Objectives

PEO1

- Pursue career in core/multidisciplinary organizations worldwide with opportunities for advancement.

PEO2

- Enhance technical proficiency and research capabilities for innovation and entrepreneurship.

PEO3

- Emerge with leadership skills and contribute to societal progress through ethical Engineering practices.

Program Specific Outcomes

PSO1

- Acquire Knowledge in product design and development with computer aided tools ensuring modern manufacturing practices.

PSO2

- Apply analytical skills gained to solve complex Engineering problems related to fields of production, thermal and fluid mechanics.

PSO3

- Develop multidisciplinary projects with excellence in Engineering analysis and managerial skills in consideration for environment and social impacts.

HOD's MESSAGE

Our mission is to cultivate the next generation of forward-thinking engineers, drive transformative research, and contribute to technological innovations that will shape the future. By combining academic excellence, practical experience, and strong partnerships with industry leaders, we are committed to creating a dynamic and comprehensive learning environment. We encourage all students, faculty, and staff to actively engage in this collaborative journey of discovery, creativity, and innovation. Together, let us continue to uphold our legacy of excellence and develop solutions that pave the way for a sustainable, prosperous, and technologically advanced world.

"Push limits, break barriers."

List of Faculty Members

Dr.P.Manimaran

Dr.S.Goshteeswaran

Dr.A.Saiyathibrahim

Mr.S.N.Vijayan

Mr.K.P.Harshavardhan

Mr.P.Prakash

Mr.R.Ramesh Babu

Mr.A.J.Infant Jegan Rakesh

Mr.M.Pradeep

Mr.R.Murali krishnan

Mrs.K.Thriveni

Mr.K.Kaviyarasan

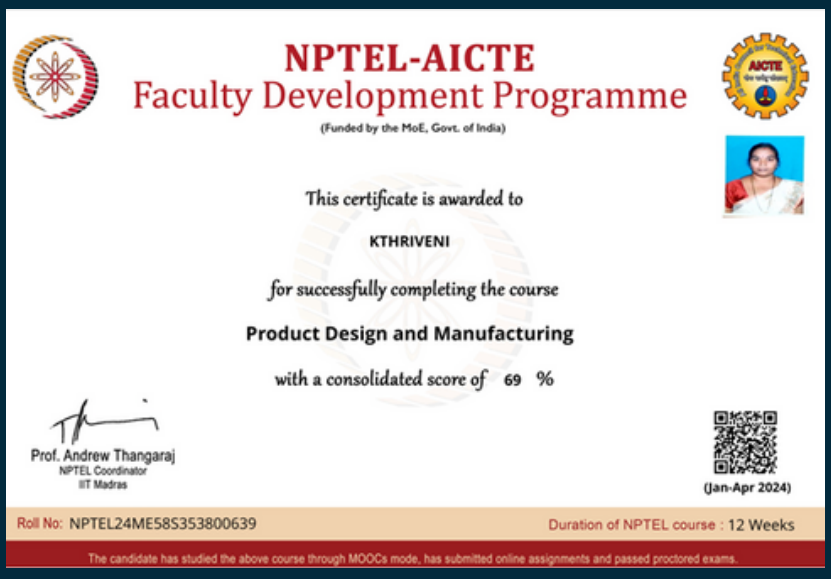
"Live what you love."

MoU Signed with Government ITI, Coimbatore on 24.02.2024

Faculty Achievement

Mr. R. MURALI KRISHNAN successfully completed an 12-week course on Product Design and Manufacturing , achieving a commendable score with Elite + gold.

Mrs. K.THRIVENI successfully completed an 12-week course on Product Design and Manufacturing , achieving a commendable score.




Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

V PREETHI

for successfully completing the course

Product Design and Manufacturing

with a consolidated score of 85 %

Online Assignments	25/25	Proctored Exam	60/75

Total number of candidates certified in this course: 2952

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Apr 2024
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL24ME58S353800370 To verify the certificate No. of credits recommended: 3 or 4

Mrs. V.PREETHI successfully completed an 12-week course on Product Design and Manufacturing , achieving a commendable score with Elite + silver.

Mr. P.PRAKASH successfully completed an 12-week course on Manufacturing Process Technology - I & II , achieving a commendable score with Elite.


Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

PRAKASH P

for successfully completing the course

Manufacturing Process Technology - I & II

with a consolidated score of 62 %

Online Assignments	16.25/25	Proctored Exam	45.86/75

Total number of candidates certified in this course: 666

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

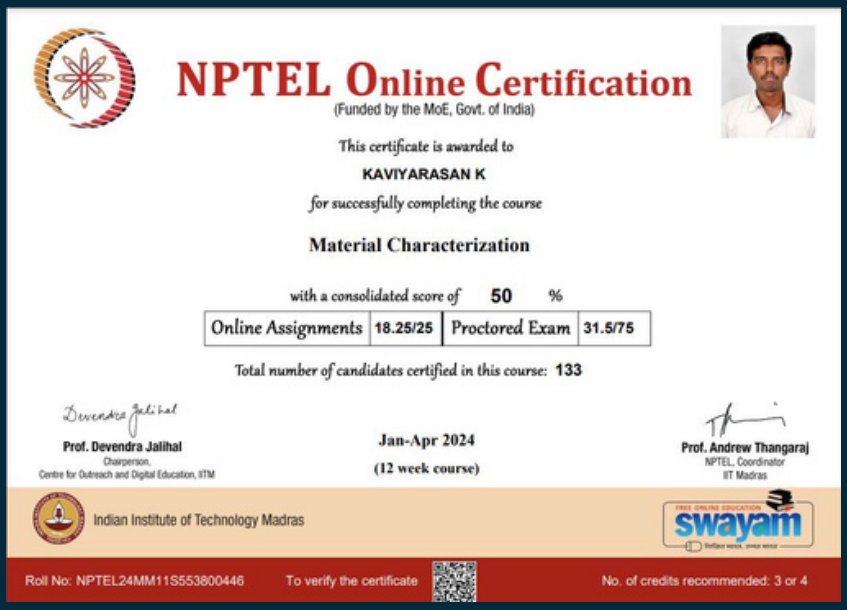
Jan-Apr 2024
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

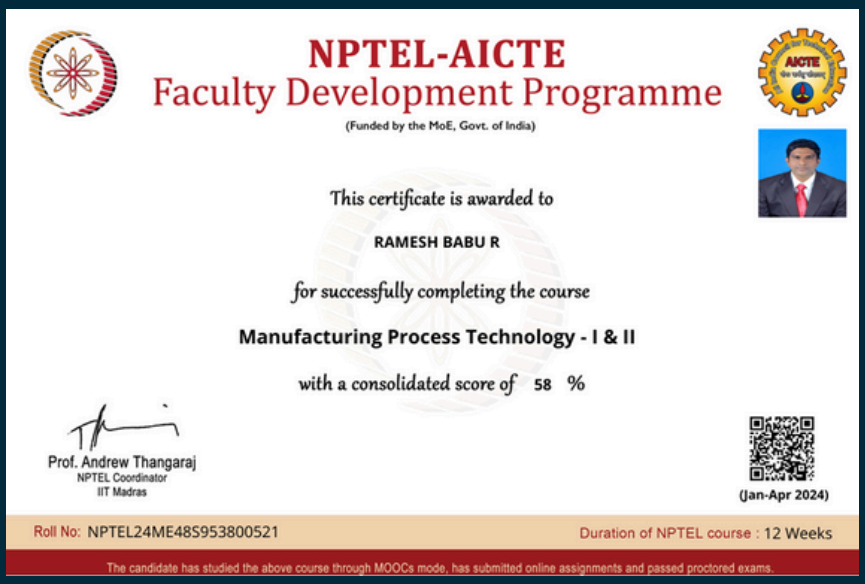
swayam

Roll No: NPTEL24ME48S953803590 To verify the certificate No. of credits recommended: 3 or 4

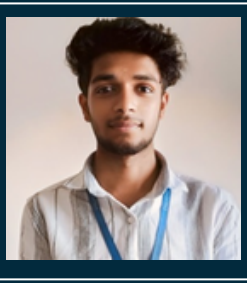


Mr. K.KAVIYARASAN successfully completed an 12-week course on Material Characterization, achieving a commendable score.

Mr. R. Ramesh Babu successfully completed an 12-week course on Manufacturing Process Technology - I & II , achieving a commendable score.



Meritorious Student Award 2024

Sl. No.	Name of the Student	Programme / Course	Even Sem (March/April/May) Rank	Cash Prize	Photo
1	Vignesh S	IV B.E. Mechanical Engineering	First - VI Semester - 8.56	Rs.5000	
2	Rohith V	IV B.E. Mechanical Engineering	Second - VI Semester - 8.46	Rs.2500	
3	Venkatesh K	III B.E. Mechanical Engineering	First - IV Semester - 7.89	Rs.5000	
4	Hariprashath M	III B.E. Mechanical Engineering	Second - IV Semester - 7.74	Rs.2500	
5	Adithya S	II B.E. Mechanical Engineering	First - II Semester - 8.00	Rs.5000	
6	Sachin K S	II B.E. Mechanical Engineering	Second - II Semester - 7.86	Rs.2500	

RIVALS

RIVALS 2024: **5th National Mini Bike Race** Held Successfully

The 5th National Level Mini Bike Race, RIVALS 2024, took place on March 22, 2024, organized by the **Department of Mechanical Engineering**. With a cash prize of ₹60,000, the event witnessed intense competition among top engineering students from across the country.

Coordinators:

Student: V. Rohith, R. Vinosha

Faculty: M.S. Mohammed Anas, A.J. Infant Jegan Rakesh, R. Ramesh Babu

The event proved to be a huge success, showcasing innovation, skill, and thrilling competition.

RIVALS 2024

LIST OF STUDENTS PLACED

S.No	Register Number	Name	Name of the Employer
1.	721220114001	AJAYKUMAR M	KONGU ENGINEARS
2.	721220114002	ARAVINDHAN S	INTEGRA AUTOMATION
3.	721220114003	ARISKUMAR S A	LGB
4.	721220114006	BALA MUKESH C	KONGU ENGINEARS
5.	721220114007	BHARATHRAM P	LGB
6.	721220114008	DEEPAN J.M	LGB
7.	721220114009	ELAGANESAN.K.R	GILBERCO VEEDER ROOTS
8.	721220114010	GANESH KUMAR R	GILBERCO VEEDER ROOTS
9.	721220114011	GANESHKUMAR K	KONGU ENGINEARS
10.	721220114012	HARISH KUMAR R	KONGU ENGINEARS
11.	721220114013	KALANITHI .R	KONGU ENGINEARS
12.	721220114014	LAKSHMINARASIMMAN	GILBERCO VEEDER ROOTS
13.	721220114015	MANOJKUMAR K	KONGU ENGINEARS
14.	721220114016	MANOJKUMAR M	GILBERCO VEEDER ROOTS
15.	721220114017	MOHAMMED ANNAS.M.S	INTEGRA AUTOMATION

16	721220114018	MOHAMMED SAFTHAR A	INTEGRA AUTOMATION
17	721220114020	RANJITHKUMAR S	INTEGRA AUTOMATION
18	721220114021	ROHITH	GILBERCO VEEDER ROOTS
19	721220114022	ROHITH KUMAR .S	INTEGRA AUTOMATION
20	721220114023	SAKTHIBALAN M	LGB
21	721220114024	SANJAY	GILBERCO VEEDER ROOTS
22	721220114025	SELVAPRAKASH B	LGB
23	721220114026	SHANKAR K	KONGU ENGINEARS
24	721220114027	SIVA J	GILBERCO VEEDER ROOTS
25	721220114030	VIGNESH .S	LGB
26	721220114032	VISHVA.M	GILBERCO VEEDER ROOTS
27	721220114301	ABBAS	GILBERCO VEEDER ROOTS
28	721220114302	AJAY L	INDOSHELL MOULD PVT LTD
29	721220114303	ASHOK K	INTEGRA AUTOMATION
30	721220114305	GOKUL NATHAN P	INTEGRA AUTOMATION

31	721220114306	GOKULRAJ S	LGB
32	721220114307	GUNANITHI S	KONGU ENGINEARS
33	721220114308	HARIHARAN K.M.S	LGB
34	721220114309	JAGAN M	INTEGRA AUTOMATION
35	721220114310	KALAIVANAN	GILBERCO VEEDER ROOTS
36	721220114312	KARAN B V	LGB
37	721220114313	KARTHIKEYAN A	INTEGRA AUTOMATION
38	721220114314	KESAVAN S	LGB
39	721220114315	KISHORE R	INDOSHELL MOULD PVT LTD
40	721220114316	KISHORE KUMAR R	INTEGRA AUTOMATION
41	721220114318	PRABAKARAN T	INTEGRA AUTOMATION
42	721220114319	PRAVEEN N	INTEGRA AUTOMATION
43	721220114321	RAJENDRA PRASATH R	INTEGRA AUTOMATION
44	721220114322	RAMESHKUMAR M	INTEGRA AUTOMATION
45	721220114323	RANJITH KUMAAR C	INTEGRA AUTOMATION

46	721220114325	SATHISH S	LGB
47	721220114326	SRIDHARAN M	LGB
48	721220114327	SRIVIGNESH B	INDOSHELL MOULD PVT LTD
49	721220114329	SURYA S	INDOSHELL MOULD PVT LTD
50	721220114330	VIJAY R	LGB
51	721220114331	VIKRAM C	INDOSHELL MOULD PVT LTD
52	721220114332	VISHWA PRADEEP V	INTEGRA AUTOMATION
53	721220114329	NAVEEN S	LGB

We are excited to announce the successful placements of our Mechanical Engineering students at **top companies**. This year, students have secured positions at renowned organizations such as **Integra Automation, LGB, Kongu Engineers, Gilberco Veeder-Root, and Indoshell Mould Pvt Ltd**. These opportunities highlight the strong industry ties and the dedication of our students, who are ready to contribute to the fields of automation, manufacturing, and engineering. We congratulate our students and look forward to their continued success in the professional world.

EVENT ORGANISED

The Department of Mechanical Engineering, in association with the Institution's Innovation Council (IIC), organized an insightful session on "Achieving Problem-Solution Fit and Product-Market Fit". The session, aimed at enhancing innovation and entrepreneurship skills, provided valuable knowledge on aligning product ideas with market needs.

Key speakers and coordinators, including Mrs. V. Preethi, Mrs. K. Thriveni, Mr. R. Venkatesh, and esteemed convenors such as Dr. P. Manimaran, Dr. A. Saiyathibrahim, and others, facilitated a dynamic discussion on creating solutions that truly fit the market. The event was a great success, fostering learning and growth in the field of product development and market strategy.

WEBNIAR

The Department of Mechanical Engineering, in collaboration with KIT - Institution's Innovation Council, successfully organized a session on "Recent Innovations in Welding Techniques" on 14th February 2024.

The event was a great success, with industry experts sharing valuable insights into the latest advancements in welding technologies. Participants gained knowledge about the innovative welding techniques currently shaping various industries. The session provided an excellent platform for students and faculty to explore practical applications and future trends in welding.

We would like to extend our gratitude to the speakers and all participants for making this event a memorable and enriching experience.

WORKSHOP

Workshop on Prototype / Process Design and Development

The Department of Mechanical Engineering in association with KIT - Institution's Innovation Council jointly organize a session on "Workshop on Prototype/Process Design and Development" on 04.04.2024.

Skill development program

Students Group Photo at BHEL Tiruchirapalli

The students from III Year and IV Year in the department of Mechanical Engineering is attended a Skill development program in Welding Research Institute (WRI), Bharat Heavy Electricals Ltd, Tiruchirapalli from April 8, 2024 to April 20, 2024 (12 Working days).

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"I DON'T BELIEVE IN TAKING RIGHT DECISIONS. I TAKE DECISIONS AND THEN MAKE THEM RIGHT "