



Jansons Institute of Technology

Department of Mechanical Engineering

Mech.Letters

(Half yearly newsletter)

Volume : 6 Issue : 2

Nov / Dec 2022

Editor

- Mr.F.Alexander (AP/Mech)

Advisor Committee

- Dr.M.Muthukumaran (Prof / Mech)
- Mr.S.J.Davis Hans (AP/Mech)

Students Coordinator

Mr.Kumaraguru K S

Final Year Mech

Mr. Naveen E

Third Year Mech

Vision of the Department

To groom and mould outstanding professionals in the field of mechanical engineering.

Mission of the Department

M1 : To impart quality-bound technical education through knowledge and innovation to succeed in ever-advancing mechanical streams.

M2 : To sharpen young minds through state-of-the-art facilities and projects towards future challenges.

M3 : To foster ethical values through holistic learning, teamwork culture, and socio-economic standards for sustainable growth.

Program Educational Objectives (PEOs)

PEO1 : Graduates will be practitioners in the design, manufacturing, service, and process industries.

PEO2 : Graduates will pursue higher education, be involved in research or become entrepreneurs.

PEO3 : Graduates will be ethically and socially responsible and contribute to society and the country.

Program Specific Outcomes (PSOs)

PSO1 : Apply knowledge of mathematics, science, and engineering fundamentals to model, design, and analyse components or processes.

PSO2 : Apply the knowledge gained in mechanical engineering to the design of product components using CAD/CAE tools.

PSO3 : Apply the acquired knowledge to innovative solutions to cater to societal needs and industrial problems.



Special Achievements by Students (national/international/regional)

Student Name	Department & Year	Achievement
Julia M, Thanusu K Vignesh S and Siva S	IV Mech	Received the recognition as honorable mention of WePoWER Tack during Grand Finale of IEEE YESIST12 2022 on September 10-11, 2022 for the project Evacuated Tube Solar Air Heater
Julia M, Thanusu K, Vignesh S and Siva S	IV MECH	Won FIRST Prize in ideathon contest at KRISHNECS 2K22 - A National Level Technical Symposium conducted by Department of Electronics and Communication Engineering, Sri Krishna College of Engineering and Technology, Coimbatore, Sponsored by IEEE Madras Section on 18.10.2022



Publications by students

Student/students Name	Year	Details of publication
Subash G, Vivekanandhan K, Madhu S	2022	Low Cost, Solar Power Driven Smart Irrigation System for the Agricultural Field ,National Conference on Recent Advancements in Civil, Mechanical, and Management Studies. ISBN: 978-81-948459-4-2. July,2022
Bharath S, Devin Kumar T, KavinPradeep R, Gokul D	2022	Modified Design and Development of Cost Effective 3D Printed Hovercraft, National Conference on Recent Advancements in Civil, Mechanical, and Management Studies. ISBN: 978-81-948459-4-2. July,2022
Dharmesh D, Shivashankar P S	2022	On-board weighing system using load cells to measure the loaded Trucks, National Conference on Recent Advancements in Civil, Mechanical, and Management Studies. ISBN: 978-81-948459-4-2. July,2022

Conference,Symposium,Workshops, Seminar, Guest Lectures - Organized

Title	Category	Resource Person	Date
Innovative Product Design	Seminar	Dr.M.M.Matheswaran, Innovation Ambassador, JIT-IIC	23rd September 2022.
Problem Identification & Idea Generation	Training Session	-	23.09.2022
Workshop on Innovation and Entrepreneurship as a Career Opportunity	Technical Workshop	Faculties of Mechancial Engineering Department	30.09.2022
Idea Generation - Tools and Techniques	Seminar	Dr.N.Srinivasan, Innovation Ambassador, JIT-IIC	07th October 2022.
Workshop on "Problem Solving & Ideation"	Workshop	-	07th October 2022.
Identify Right Problem & Innovation Solution Formulation"	Seminar	Mr. Sathish Nagarajan, Manager, Production Planning Control, Micron Semiconductor Asia Pvt Ltd, Singapore.	17th October 2022.
Role of Educational Institutions in Innovation Development	Seminar	Dr.M.M.Matheswaran, IIC President	15th October 2022.
Design Thinking - Double Diamond Approach	Orientation Session	-	04th November 2022.



Jansons Sports Club celebrates 75th Independence Day by organizing "Fit India - Push-up Challenge" on 02nd August 2022.



JIT IIC in association with the Department of MECH organizes an Industry Readiness Course on "Design Thinking for Industry 4.0" from 10th to 16th August 2022.

JANSONS INSTITUTE OF TECHNOLOGY
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC & An ISO 9001 : 2015 Certified Institution
Coimbatore, Tamil Nadu - 641 659

INSTITUTION'S INNOVATION COUNCIL
in association with
DEPARTMENT OF MECHANICAL ENGINEERING
Organises
Industry Readiness Course
on
Design Thinking for Industry 4.0
Date : 10.08.2022 to 16.08.2022
Resource Person
Dr. M. M. Matheswaran
Asso. Professor / Mech
www.jit.ac.in



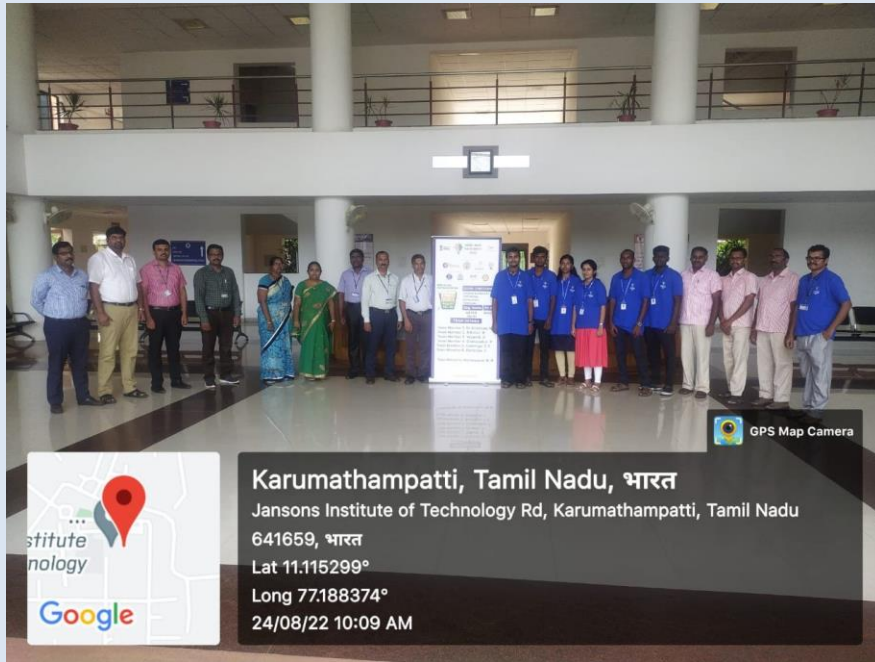
IIC Regional Meet 2022 at PSNA CET, Dindigul – Presentation by the JIT-IIC



Congratulations - Life Trust India's Green Campus Award - for Academic Year 2021-22.



Smart India Hackathon 2022 – Finals Participation



Field Visit to Mettur Thermal Power Plant on 09.09.2022



To provide the students with a practical real-world perspective on different functions in a company, Jansons Institute of Technology planned a one day industrial visit on 17.09.2022. The students of Civil, Mechanical and Electrical Engineering visited the company “Kerala Electrical & Allied Engineering Co.Ltd. (KEL), Kochi”.



DEPARTMENT OF MECHANICAL ENGINEERING

DEPARTMENT ACHIEVEMENTS
ACADEMIC YEAR 2022 - 2023 (ODD SEM)



Ms. Juliya M , Mr. Siva S, Mr.Thanusu R
Final Year Mechanical Engineering

Recognized as "**Honorable Mention**" of WePoWER Track during Grand Finale of IEEE YESIST12 2022 on September 10-11, 2022 for the project "**Evacuated Tube Solar Air Heater**" held at Sri Venkateshwara College of Engineering, Bengaluru



Under the Guidance of
Dr.M.M.Matheswaran
Department of Mechanical Engineering

Department of MECH organizes a Technical Workshop on "Innovation & Entrepreneurship as a Career Opportunity" on 30th September 2022.

JANSONS INSTITUTE OF TECHNOLOGY
APPROVED BY AICTE, NEW DELHI - AFFILIATED TO ANNA UNIVERSITY, CHENNAI
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DEPARTMENT OF MECHANICAL ENGINEERING



Technical Workshop on
" INNOVATION & ENTREPRENEURSHIP AS A CAREER OPPORTUNITY "

Seminar Hall
30 | 09 | 2022
01:45 PM - 04.15 PM

EVENT ORGANIZERS
Mr.F.Alexander, IPE In-Charge
Mr.K.Moadesh Kumar, Mobility Club In-Charge
Mr.K.Chidambareswaran, IV Mech
Mr. Shaik Masthanvali, III Mech

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Department of MECH organized Training Session on "Problem Identification & Idea Generation for New Innovative Product" on 23rd September 2022.



Department of MECH in association with JIT IIC organizes a seminar on "Identify Right Problem & Innovation Solution Formulation" on 17th October 2022.



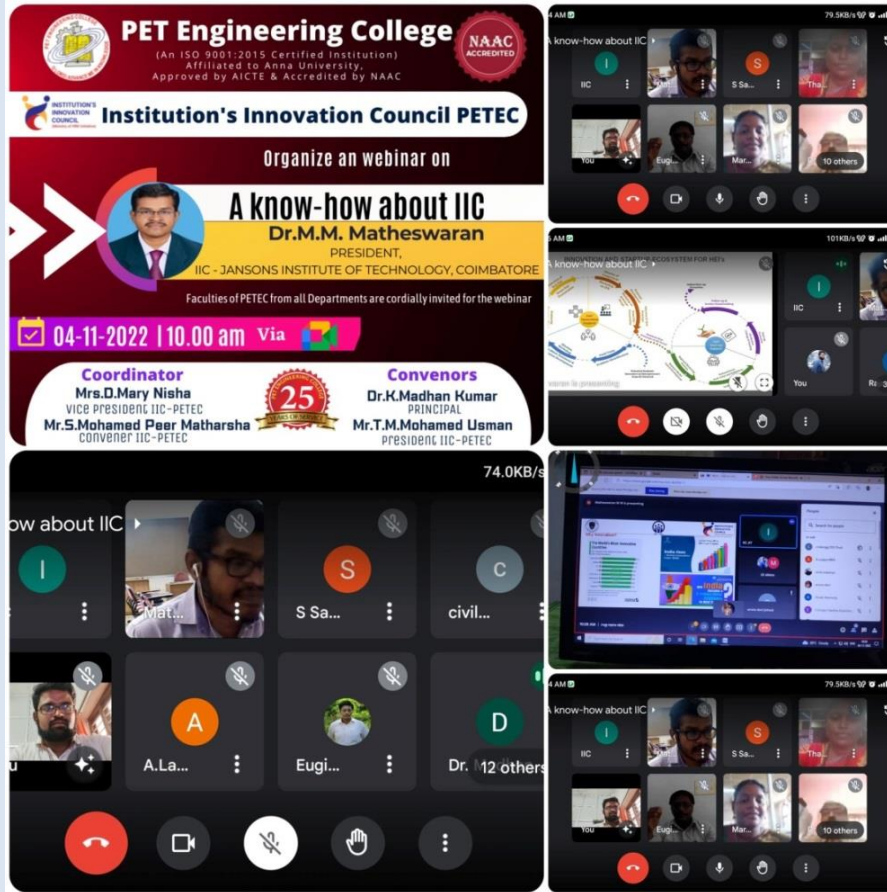
Department of MECH organized a seminar on "Role of Educational Institutions in Innovation Development" on 15th October 2022.



Department of MECH, JIT IIC & IPE organizes an Orientation Session on "Design Thinking - Double Diamond Approach" on 04th November 2022.



Orientation Webinar on "A know-how about IIC" at PETEC at 04th November 2022.





Jansons Institute of Technology

Coimbatore | Tamil Nadu | India

Congratulations to TEAM JIT - IIC

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Institute Type	1-1.5	2-2.5	3	3.5	Total
Non-Technical HEIs	243	118	30	6	401
Technical HEIs	769	474	123	53	1422
Grand Total	1012	592	153	59	1823

For Performance Card, Log into the Institution's IIC Account <https://iic.mic.gov.in/>

Annual Performance 2021-22

Zones	1-1.5	2-2.5	3	3.5	Grand Total
Central/CRO	96	56	18		177
Eastern/ERO	96	39	5		143
Northern/NRO	59	52	17		132
North-West/NWRO	113	64	12		193
South-Central/SCRO	98	69	19	10	197
Southern/SRO	203	132	49	22	407
South-West/SWRO	146	75	20	8	250
Western/WRO	201	105	13	4	324
Grand Total	1012	592	153	59	1823

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Institute Category	1-1.5	2-2.5	3	3.5	Total
Institute Category A: Public Institutions					
i. Affiliating University	23	11	4		38
ii. Institute of National Importance, Central Uni. & CFTIs	56	19	1		76
iii. University (Govt. & Govt. Aided)	12	11			23
iv. Colleges / Institutes (Govt. & Govt. Aided)	171	80			251
Sub-Total	262	121			383
Category B: Private / Self Financed Institutions					
i. University & Deemed to be University (Self Financed)	64	81	12		157
ii. Colleges / Institutes (Self Financed)	686	390	119	43	1242
Sub-Total	750	471	131	56	1422
Grand Total	1012	592	153	59	1823

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IIC 4.0 STAR RATING ACHIEVEMENT



CERTIFICATE
Institution's Innovation Council (IIC) established at
Jansons Institute of Technology, Coimbatore

had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2021-22.

Dr. Madhan Kumar
Chief Innovation Officer
IIC, Jansons Institute of Technology

Mr. Srinivasan
Assistant Innovation Director
IIC, Jansons Institute of Technology

Certificate No: 2470 Issued On: 2022-11-11

JIT – IIC sincerely manifests its acknowledgment to the TEAM members and also solicit their continued support in IIC 5.0



JANSONS

9th Graduation Day
24th December, 2022

Morning Session
2018 & 2019 Batch
10:30 am - 01:00 pm

Afternoon Session
2020 & 2021 Batch
02:30 pm - 05:00 pm

JANSONS INSTITUTE OF TECHNOLOGY
Cordially invites you to the

9th Graduation Day
24th December, 2022

Rtn. MPHF. T. S. Natarajan
Chairman
Jansons Foundation
Presides Over

CHIEF GUEST
Shri. Sivakumar Deivacikamani
Vice President
Cognizant
Delivers the Graduation Day Address

Agenda

- Invocation
- Welcome Address
- Presidential Address & Declaring Graduation Ceremony Open
- Graduation Day Address
- Conferment of Degrees
- Administration of Pledge
- National Anthem

Dear Graduates,

- Please take your seat by 09:00 am for the morning session and 01:15 pm for the afternoon session.
- All are requested to stand up when the procession enters / leaves the Auditorium.
- Mobile phones are prohibited inside the Auditorium.

List of Teaching Faculties Attended Training (FDP)

S.No.	Name of Teacher	Title of the FDP /MDP/ Professional Development / Administrative Training Program	Dates (from-to) (DD-MM-YYYY)
1	Dr.M.Muthukumar	Online Training Program on "Smart Manufacturing"	21-02-2022 to 25-02-2022
2	Mr.M.Magesh	NPTEL FDP on " Design Practice"	Feb to April 2022
3	Dr. Matheswaran M.M.	FDP on Entrepreneurship	13-06-2022 to 25-06-2022
4	Dr.N.Srinivasan	FDP on Trendy Manufacturing with Generative Design using Fusion 360	24-01-2022 to 29-01-2022

