MECHONS'25

2025 Edition

Annual Magazine
Department of
Mechanical Engineering

VISION OF THE DEPARTMENT

To produce mechanical engineering graduates with high standards, and making them as committed professionals with ethical values

MISSION OF THE DEPARTMENT

DM1: To impart quality technical education and to compete successfully in today's Industrial requirements.

DM2: To develop the professional potential that leads to pursue research and higher studies.

DM3: To improve and sustain the professional behaviour and ethical values.

Program Educational Objectives – PEOs

PEO I: Graduates shall excel in the field of design, thermal, materials and manufacturing, as

successful engineers or researchers or as entrepreneurs.

PEO II: Graduates will analyze problems, design solutions and develop products as a team

member in advanced industrial projects.

PEO III: Graduates shall have professional ethics, team spirit, life-long learning, good oral and

written communication skills and adopt corporate culture, core values and leadership skills.

Program Specific Outcomes – PSOs

PSO1: Professional skills: Students shall understand, analyze, design and develop integrated equipment, thermal devices and composite components manufacturing.

PSO2: Competency: Students shall qualify at the State, National and International level competitive examination for employment, higher studies and research.

Program Outcomes - POs

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

PO2: Problem analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: 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.

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.

PO7: 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.

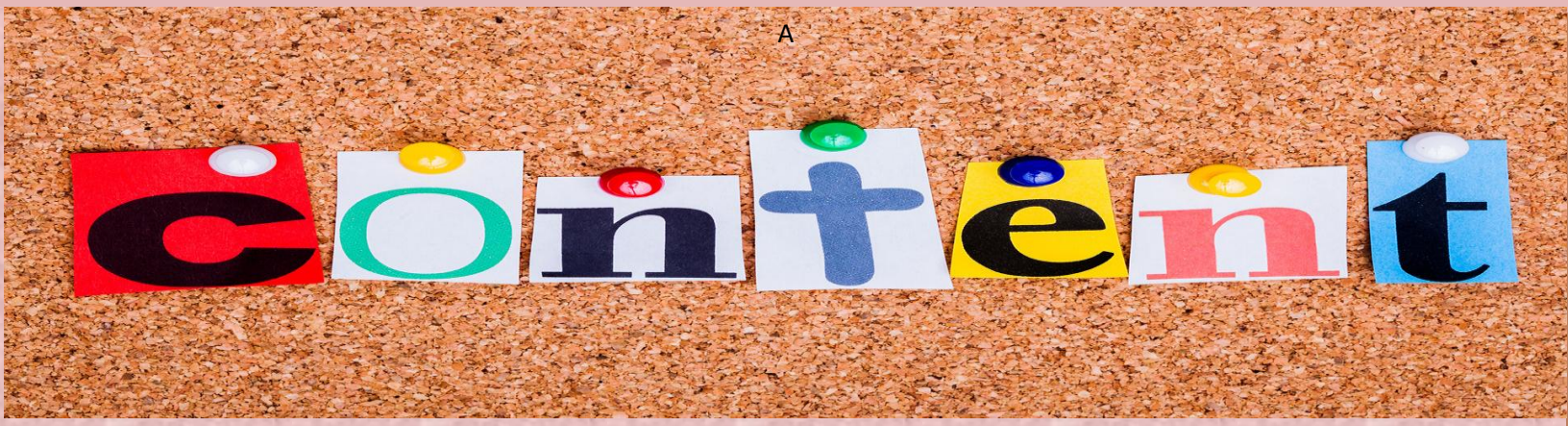
PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: 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.

PO11: 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.

PO12: 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.



CHAIRMAN MESSAGE

Wishes From the Founder

Dear Friends,

DMI and MMI are Congregations of Catholic Religious Sisters and Priests known for their service to humanity in many parts of the world.

Self respect through Self sustenance, Self sustenance through Capacity building, Capacity building through knowledge based technical skills, knowledge based technical skill towards respectable employment, and respectable employment towards the realization of one's ability to market one's own ideas, skills and products is our vision for those whom we serve.

To groom well disciplined, humanly motivated, intellectually enlightened, technically oriented citizens with stamina built in to face the changing world and a committed and strong spiritual base is our goal.

All our educational and developmental services are oriented towards this goal which is to be achieved through the collective effort of consecrated Religious, committed collaborators, dedicated staff, receptive students and all others concerned.

We pray and hope that every person who passes through our hands is nourished and enriched in every way, not only to face the future but also to shape his or her own future and that of our country and the universe.

May God bless you!

Rev. Fr. Dr. J. E. Arul Raj
Founder and Chairman

CORRESPONDANT MESSAGE

Greetings !

DMICE is a warm and welcoming learning community, committed to creating the best possible educational experience for every Student. We aim to enable all students to reach their full potential.

We have a talented, dedicated, caring team of staff, each of whom works very hard to ensure that the abilities of the Students in our care are nurtured and carefully developed. Our Faculty and teaching assistants are experienced, and work as a team to make the College a very special place, every day, for your child.

At DMICE we aim to provide a broad, well balanced and relevant curriculum. We encourage positive social behavior, emphasizing respect for others. We believe that every Student has the right to work in a calm, orderly, safe and secure environment. We value every student and have the highest possible expectations in the areas of achievement and behavior. DMICE provides a stimulating and enriched environment so that the students can enjoy all aspects of their learning. We value regular contact with parents/ guardians, and regard the home- school partnership as an essential part of the education process. We are always looking for new ways to involve parents in the life of the school and to keep them informed of the things we are doing.

Wishing you all the very best ……..

Rev.Sr.M.K. TERESA, M.A., M.Phil.,
Coresspondent,
DMICE.

HOD MESSAGE

Dear Readers,

It gives me immense pleasure to pen a few words for *MECHONS*, the official Magazine of the Department of Mechanical Engineering. This platform reflects the vibrant academic and co-curricular culture of our department and showcases the remarkable achievements of our students and faculty.

Mechanical Engineering, being one of the oldest and most versatile branches of engineering, continues to evolve with the rapid advancements in technology. From traditional core sectors to cutting-edge innovations in robotics, additive manufacturing, renewable energy, and AI-integrated systems, our department is committed to nurturing engineers who are not only technically sound but also ethically grounded and socially responsible.

Over the past months, our students and faculty have demonstrated excellence through research publications, participation in national-level competitions, industrial collaborations, and community outreach. Their dedication and hard work make us proud and reaffirm our mission of fostering holistic development.

I congratulate the editorial team of *MEVOLUTION* for their efforts in bringing out this edition. I encourage all readers to actively engage with the newsletter, contribute their ideas, and stay connected with the ever-evolving world of Mechanical Engineering.

Let us continue to innovate, inspire, and transform the future—together.

Warm regards,
Dr. A Amala Mithin Minther Singh
M.E., MBA., Ph.D.
Head of the Department
Mechanical Engineering

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering is established as a full-fledged department offering B.E course from the year 2009 with an intake of 60 and in the year 2012 intake has been increased to 120 and from 2014 onwards the intake is 180 students.The Department has excellent infrastructure facilities in keeping with latest trends and requirements and well reputed faculty members. It aims at preparing the students to face the challenge of the materially-conscious and technologically fast-developing world. It means to transform the students into young engineers with sound technical knowledge, leadership skills and decision-making abilities. This preparation results from the discipline and commitment of the students, leadership of the management and distinction of the faculty.The Department periodically conducts Guest lectures, Industrial visits, Symposiums, Seminars etc. through its parent body "Association of Radiant Mechanical Youngsters (ARMY)" for the benefit of students. The efforts of our committed faculty members are really towards producing the students with excellence in knowledge and character. The department periodically organizes conferences,FDPs, workshops, hands-on training and value added courses in coordination with AICTE, ISTE, Anna University, SAE, TEDA and reputed industries etc., for the benefit of both the academic and industrial community.The department has recently installed 3D Printing Facility which is a recent technology in manufacturing. Ours is one among few colleges which is having such a facility.Industrial visits and internships are arranged every year for the benefit of our students in some of the following industries.

- Mitsubishi heavy Industries Ltd, Ranipet.
- Hinduja Foundries
- Chennai Fort Trust
- North Chennai Power Plant
- Delphi TVS
- Rane TRW
- Brakes India and etc.

Our Students are placed in reputed industries every year through on and off campus placement drives, some of the core companies are,

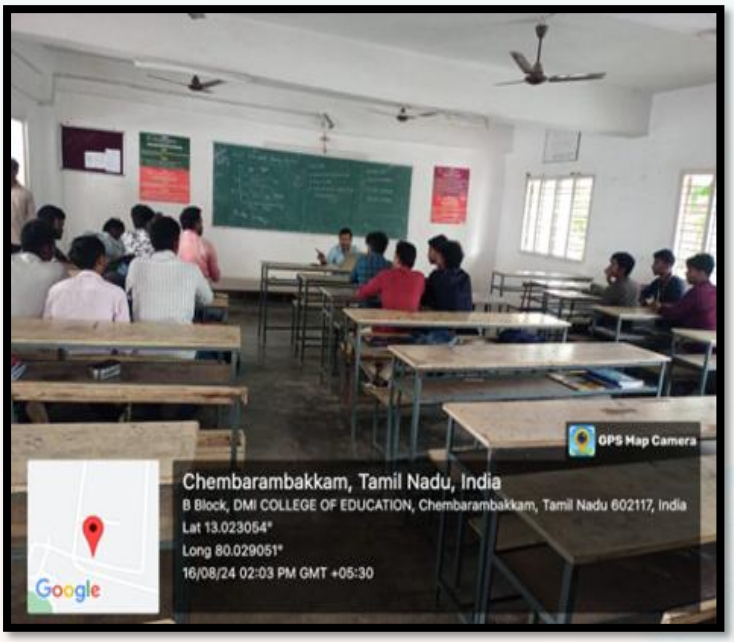
- Hero Motors
- Mercury fittings
- SMR Industry
- Veltech Industries
- Indian Navy
- Boston India Pvt Ltd
- Avalon Technologies
- Petrofac
- Maruti Suzuki
- L&T
- Hyundai and etc.

Faculty Strength

Sl. No	Name of the Faculty	Designation
Teaching Faculty		
1	Dr. A. Amala Mithin, HOD/MECH	Professor and Head
2	Dr. V.N. Anbazhagan	Associate Professor
3	Dr. G. Tamil Kumaran	Assistant Professor
4	Mr. Rajamahendran S	Assistant Professor
5	Mr. S.O. Kaniraj	Assistant Professor
6	Mr. M. Senthil Kumaran	Assistant Professor
7	Mr. N. Krishnamoorthy	Assistant Professor
8	Mr. P. Saravanan	Assistant Professor
9	Mr. E.M. Pradeep	Assistant Professor
Non-Teaching Faculty		
1	Mr. Ramamoorthy	Technical Assistant
2	Mr. Baskar	Technical Assistant

DEPARTMENT ACTIVITY

Independence Day Celebrations



The Department of Mechanical Engineering at DMI College of Engineering organized the **Independence Day Celebration** on **16th August 2024** with great enthusiasm and patriotic spirit. The event aimed to honor the nation's freedom and inspire students to understand the values of unity, sacrifice, and patriotism.

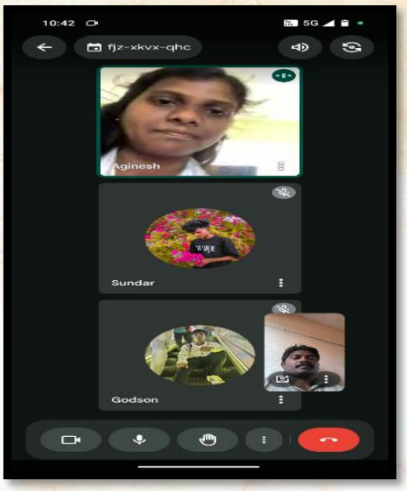
A variety of activities were conducted to engage students and provide a platform to showcase their talents. The **Drawing Competition** focused on the theme of Independence Day, encouraging students to express their creativity through art. The **Elocution Contest**, held in both Tamil and English, allowed participants to deliver inspiring speeches on patriotism and the role of freedom in shaping the nation. In addition, an **Essay Writing Competition** was organized in both Tamil and English on the topic of patriots in India, highlighting the contributions of national leaders and freedom fighters.

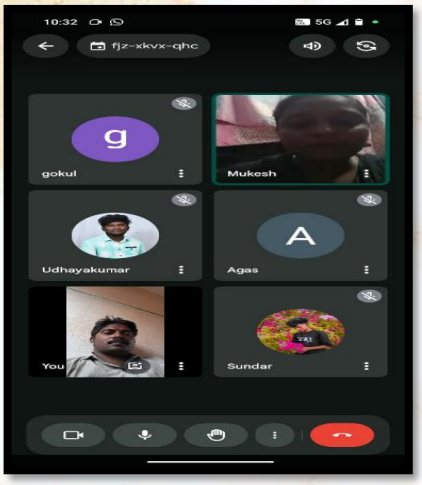
To further enhance the celebration, a **Poster Design Contest** on the Independence Day theme was conducted, showcasing students' innovative ideas through visual presentations. The **Best Quotes Framing Competition** encouraged participants to craft meaningful and motivational quotes, while the **Quiz Competition** tested their knowledge of history, freedom struggle, and India's achievements.

The event was coordinated by **Mr. G. Tamilkumaran** and **Mr. M. Senthilkumar**, Assistant Professors of the Mechanical Engineering Department. It was graced with the guidance and support of **Rev. Sr. M. K. Teresa (Correspondent)**, **Dr. Sujatha Jamuna Anand (Principal)**, and **Dr. A. Amala Mithin (Head of the Department, Mechanical Engineering)**.

The celebration successfully instilled patriotic values among students, fostering unity, creativity, and pride in the nation's heritage.

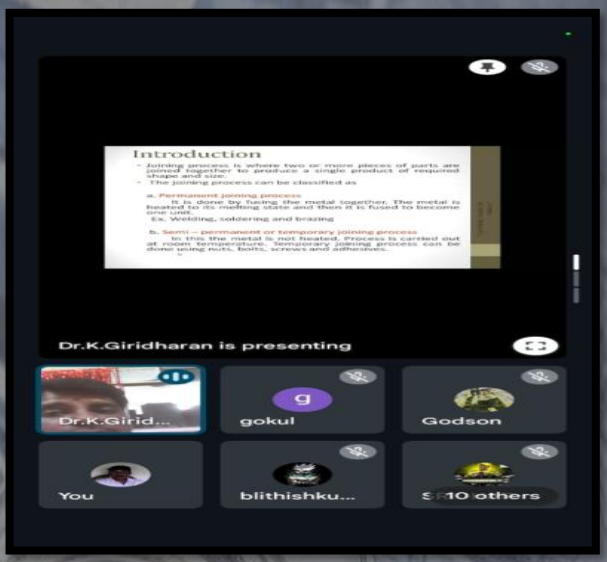
Virtual Parent-Teachers Meeting Report

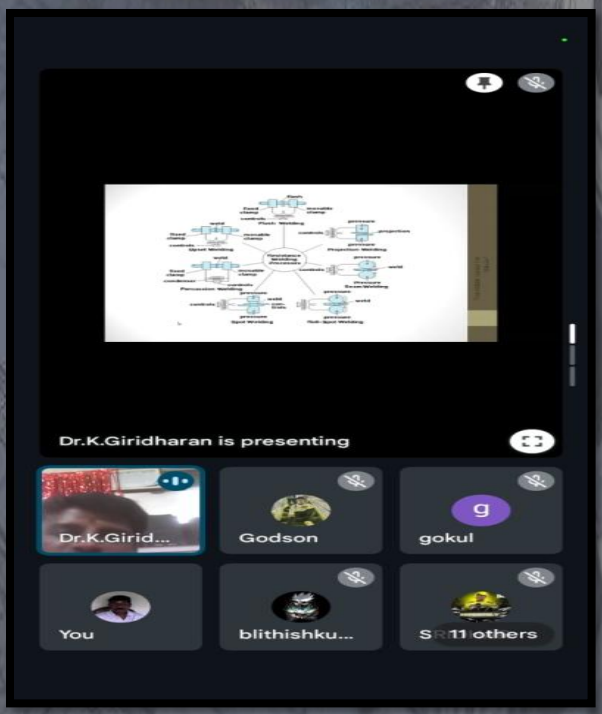


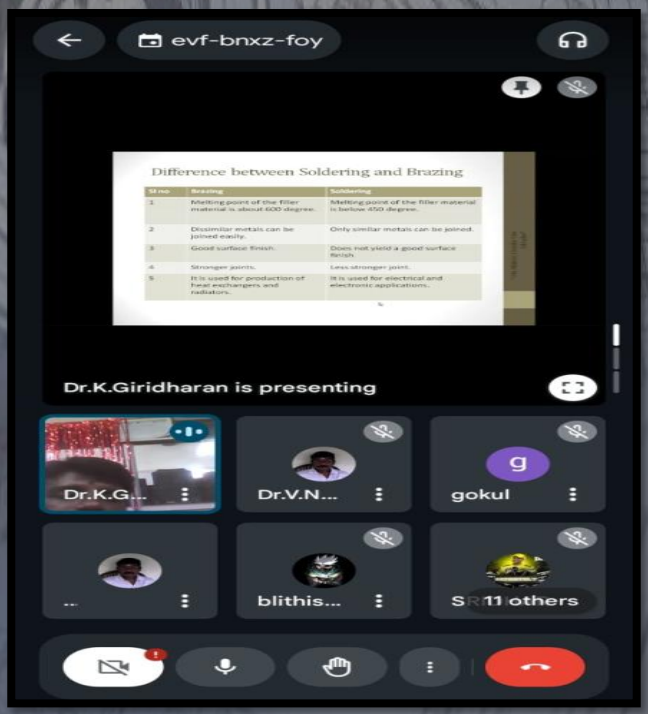


A **Virtual Parent-Teachers Meeting** was conducted for the **2nd, 3rd, and 4th-year students** with the aim of strengthening communication between faculty and parents while ensuring the academic and personal progress of students. The meeting began with a **welcome address** and an introduction of faculty members, acknowledging their role in guiding students' development.The session primarily focused on reviewing **academic performance** through recent assessments and assignments. Faculty members highlighted both achievements and areas requiring improvement, while individual progress was discussed in detail. **Attendance** was also reviewed, with emphasis on how irregularity negatively impacts learning outcomes. Parents were encouraged to motivate their wards to maintain consistent attendance.In terms of examination preparedness, it was informed that **Model Exams** would commence from **16th November for final-year students** and **18th November for 2nd and 3rd years**. Faculty urged parents to ensure students devote sufficient time for revision, as model exams help in identifying weak areas ahead of finals. The **arrear list** of students was also explained, along with remedial measures such as extra mentoring sessions to help students clear backlogs. Additionally, reminders regarding **pending fee payments** were given, stressing the importance of clearing dues to avoid academic disruptions. The meeting concluded with an **open forum**, where parents actively engaged, sharing feedback and raising queries related to academics, career prospects, and financial matters.Overall, the meeting highlighted time management, parental involvement, and stress reduction strategies as essential for students' holistic growth, ensuring a collaborative effort between faculty and parents.

Recent Trends in Metal Joints







The **Department of Mechanical Engineering** at **DMI College of Engineering** organized a highly informative **webinar on "Recent Trends in Metal Joints"** on **13th November 2024 at 6:00 PM**. The session aimed to provide students and faculty with updated knowledge about advancements in metal joining processes, which are critical in various fields of engineering and manufacturing.

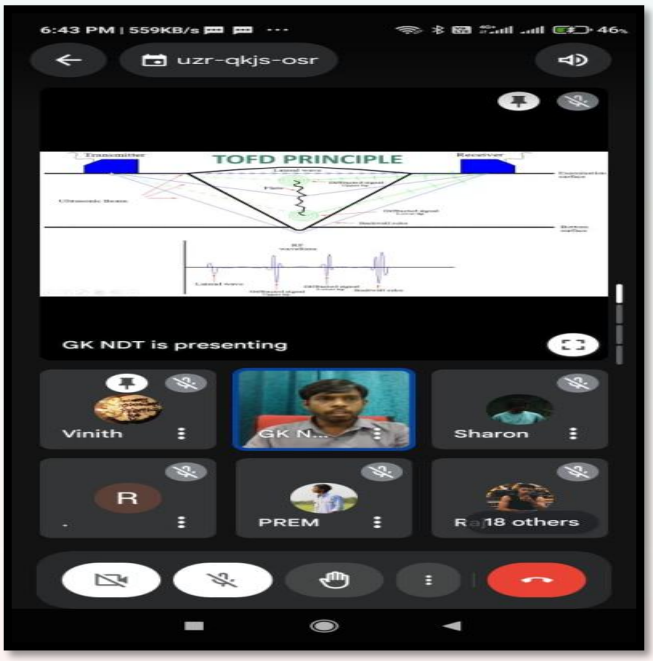
The resource person for the webinar was **Dr. K. Giridharan, Assistant Professor, Easwari Engineering College, Chennai**, who brought in-depth expertise and practical insights into the subject. During the session, he elaborated on the **importance of metal joints** in industries such as automotive, aerospace, marine, and construction, highlighting how modern developments are shaping efficiency, durability, and sustainability in manufacturing.

The discussion covered **traditional joining methods** like welding, riveting, and bolting, and gradually moved toward **emerging techniques** such as friction stir welding, laser welding, adhesive bonding, and hybrid joining processes. Dr. Giridharan emphasized the role of **automation, robotics, and advanced materials** in revolutionizing joint technology. He also shed light on how these innovations are helping industries improve product quality, reduce costs, and meet environmental standards.

The webinar encouraged active participation, with students raising questions about real-world applications, challenges in metal joining, and future opportunities for research. The event was successfully coordinated by **Dr. V. N. Anbazhagan**, with guidance and support from **Rev. Sr. M. K. Teresa (Correspondent)**, **Dr. Sujatha Jamuna Anand (Principal)**, and **Dr. A. Amala Mithin (HOD/Mech)**.

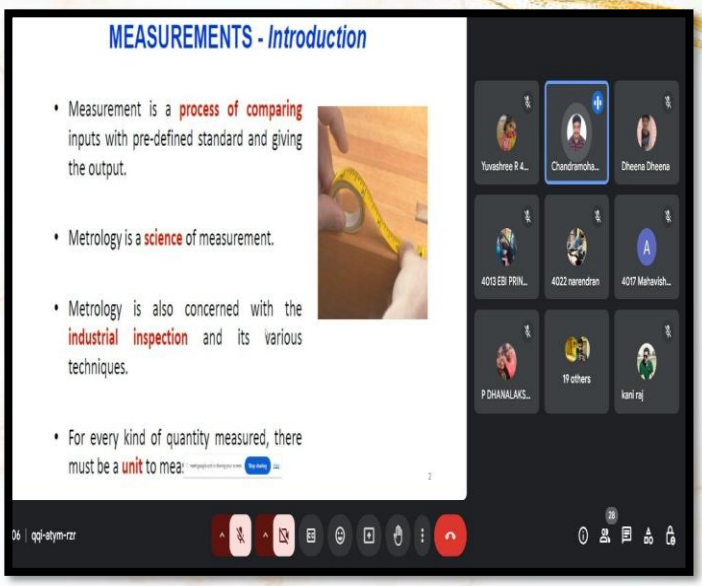
Overall, the session proved to be highly beneficial, enriching participants with valuable knowledge about the evolving trends in metal joints and their significance in modern engineering practices.

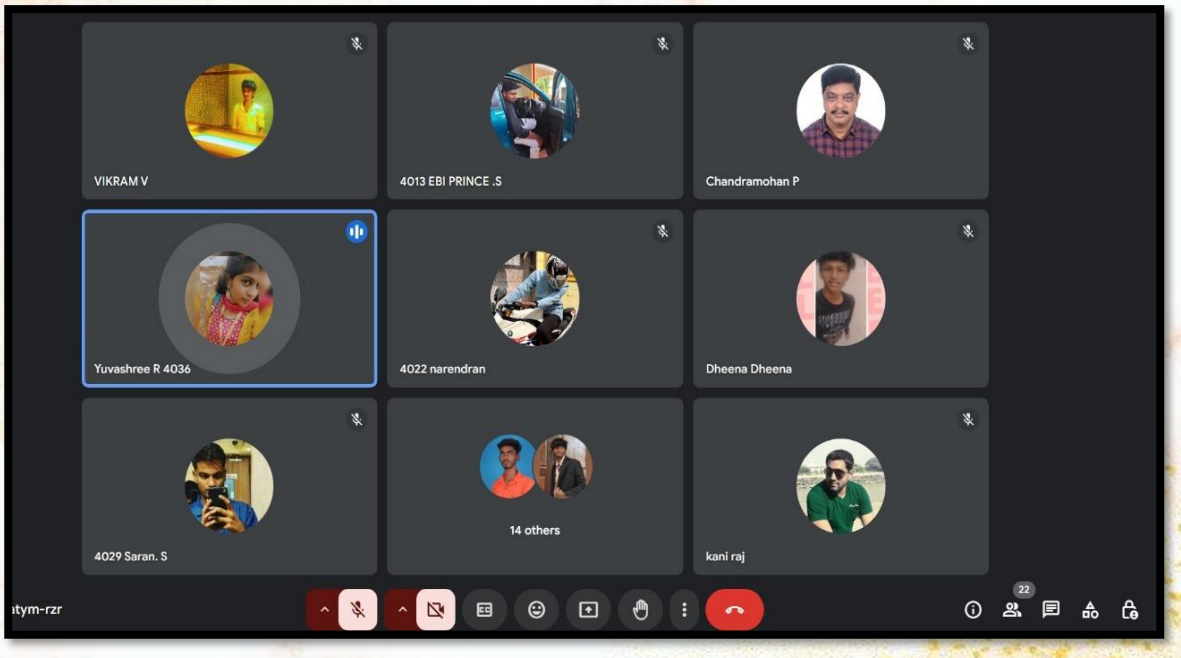
NON-DESTRUCTIVE TESTING (NDT)



The **Department of Mechanical Engineering** at **DMI College of Engineering** organized an insightful **webinar on "Non-Destructive Testing (NDT)"** on **13th November 2024 at 6:00 PM**. The session was aimed at enhancing students' understanding of modern testing techniques that ensure quality and reliability in engineering components without causing any damage to them.The distinguished **resource person** was **Mr. Raja Guru K, Managing Partner, GK NDT Services, Chennai**, who shared his expertise and industrial experience in the field of NDT. He began the session by explaining the **importance of NDT** in industries such as aerospace, automotive, power generation, oil and gas, and infrastructure, where safety and precision are paramount.The webinar covered a wide range of **NDT methods**, including ultrasonic testing, radiographic testing, magnetic particle inspection, dye penetrant testing, and eddy current testing. Each method was explained with its working principle, applications, and advantages. Special emphasis was given to how these techniques are used in detecting cracks, surface irregularities, and hidden flaws in materials and welded structures.Mr. Raja Guru also highlighted the **latest advancements in NDT**, such as digital radiography and automated inspection systems, which improve accuracy and efficiency. He motivated students to explore **career opportunities** in the NDT sector, as it plays a vital role in ensuring safety, reducing costs, and extending the service life of engineering products.The session was successfully coordinated by **Mr. S. Rajamahendran**, with strong support and guidance from **Rev. Sr. M. K. Teresa (Correspondent)**, **Dr. Sujatha Jamuna Anand (Principal)**, and **Dr. A. Amala Mithin (HOD/Mech)**.Overall, the webinar was highly beneficial, equipping participants with valuable insights into modern testing methods that are essential for quality assurance in engineering industries.

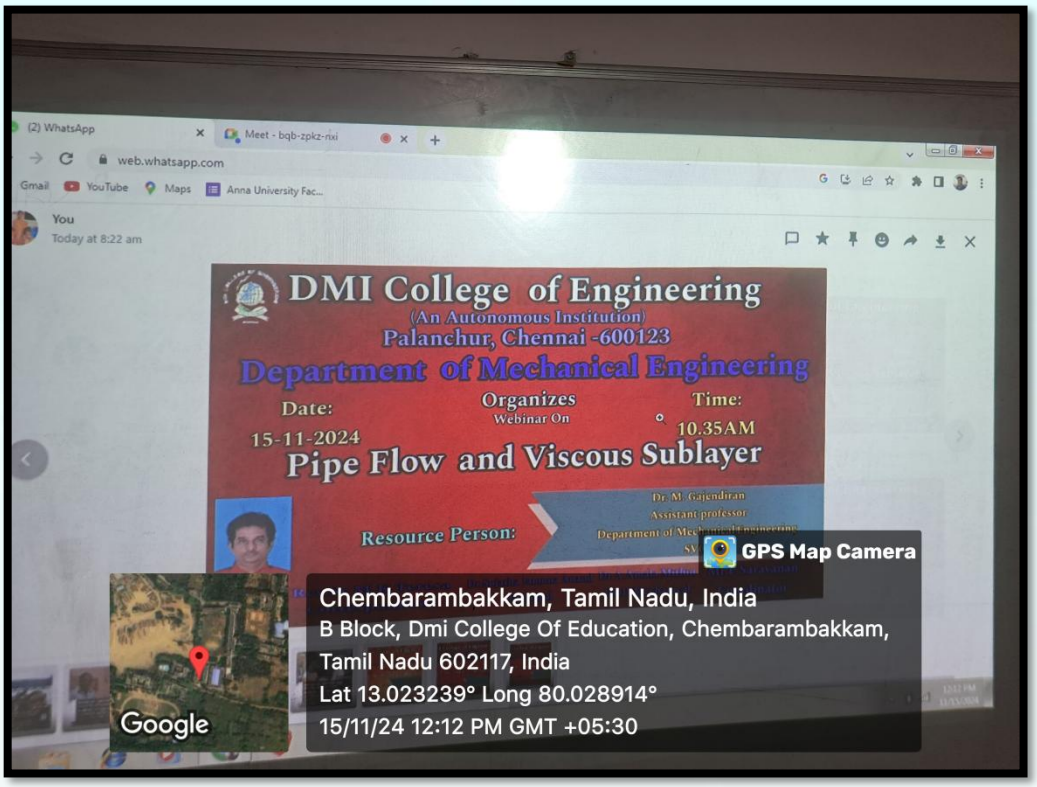
METROLOGY AND MEASUREMENTS.

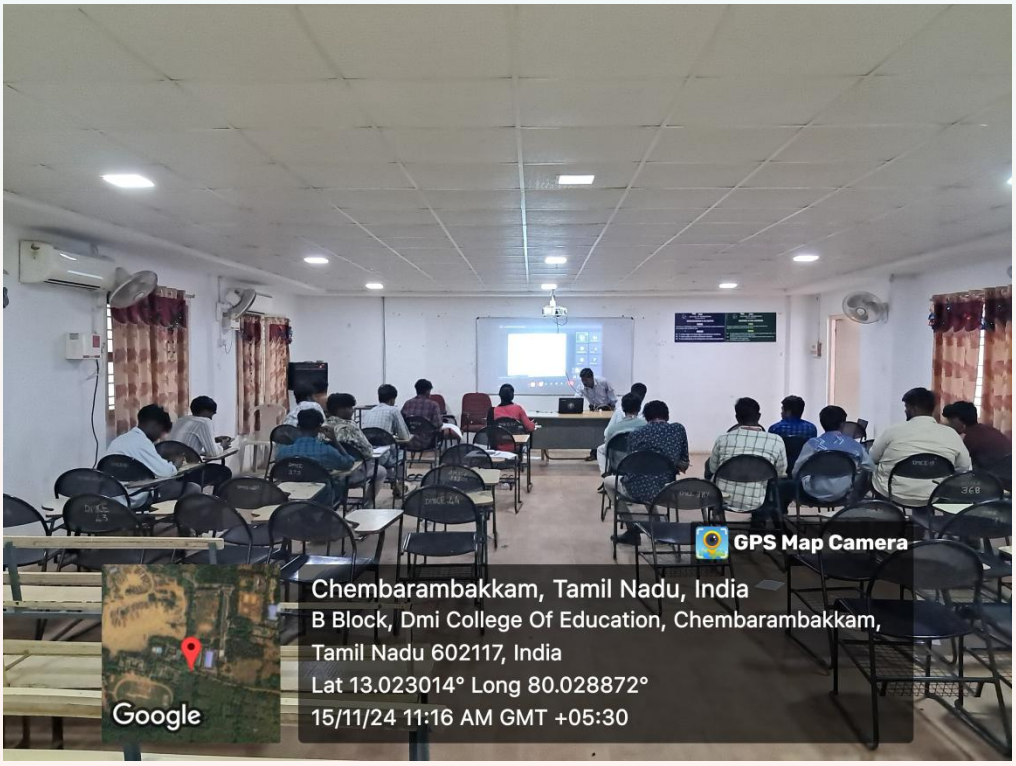




The Department of Mechanical Engineering at DMI College of Engineering, Chennai, organized a webinar on the specialized topic of Metrology and Measurements.The event featured Dr. P. Chandramohan, Ph.D., a Professor from the Department of Mechatronics Engineering at Rajalakshmi Engineering College (REC), Chennai, as the expert resource person. His academic background suggests the webinar provided high-level, technical insights into the principles and applications of precision measurement, a critical area in mechanical and mechatronics engineering.The webinar was organized under the auspices of the college's leadership, with Rev. Sr. M.K. Teresa (Correspondent), Dr. Sujatha Jamuna Anand (Principal), and Dr. A. Amala Mithin (Head of the Mechanical Engineering Department - MOD/MECH) lending their support. The coordination was managed by Mr. Kanirajso.This event highlights the institution's commitment to enhancing its curriculum by providing students with exposure to current industry-relevant topics and expert knowledge from distinguished academics. Focusing on metrology and measurements would have aimed to deepen students' understanding of quality control, standardization, and the accurate measurement techniques essential for design, manufacturing, and research in engineering fields. Such initiatives are crucial for bridging theoretical knowledge with practical application, ultimately contributing to the development of skilled graduates ready for the engineering industry.

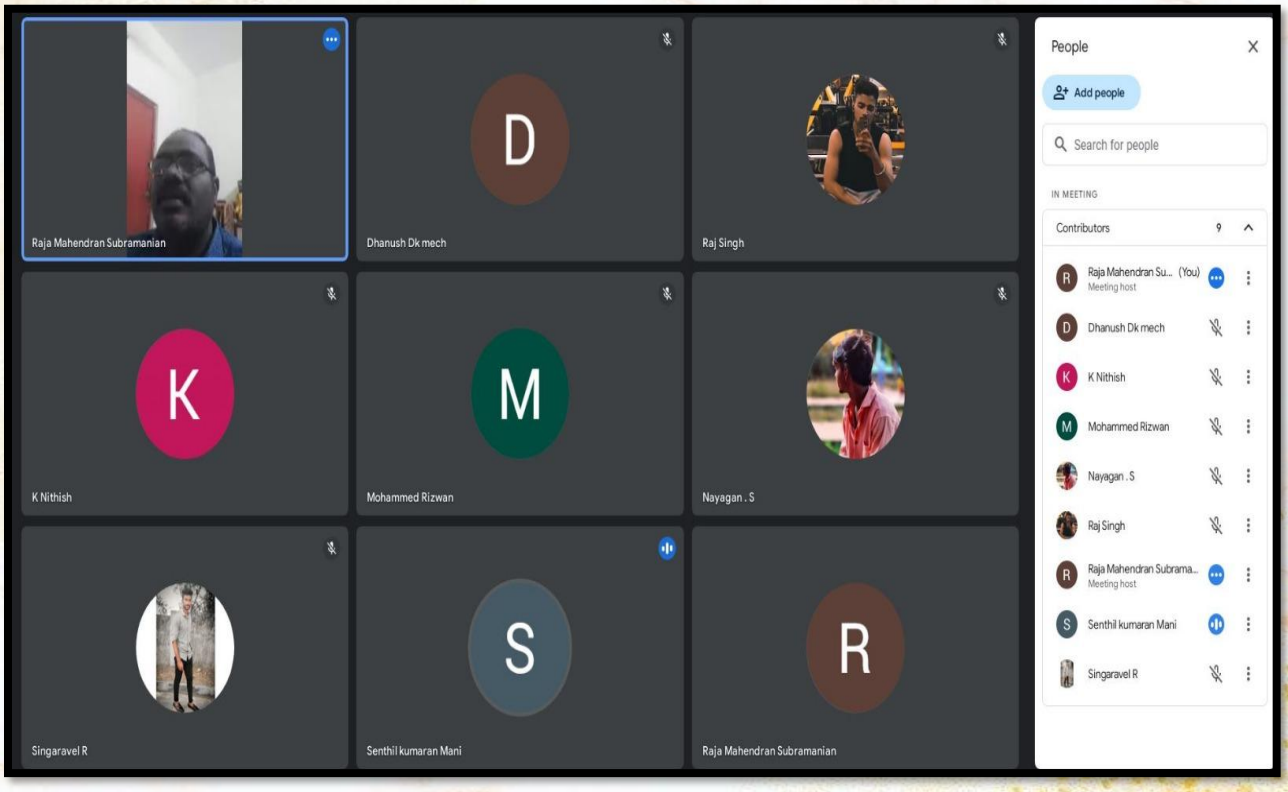
PIPE FLOW AND VISCOUS SUBLAYER





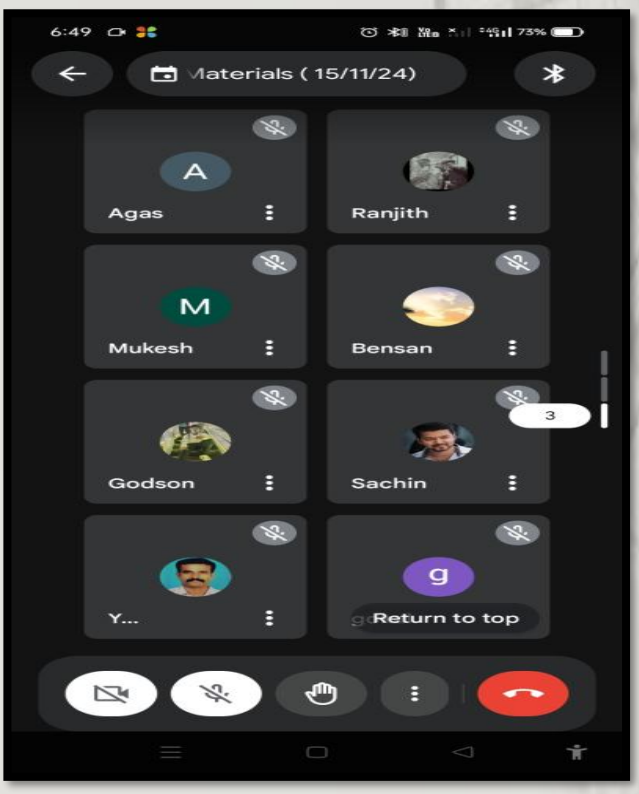
The Department of Mechanical Engineering at DMI College of Engineering, Chennai, for an event titled "Pipe Flow and Viscous Sublayer." Scheduled for November 15, 2024, at 10:35 AM, the event appears to be a seminar or lecture focused on a fundamental concept in fluid mechanics.The core topic, "Pipe Flow and Viscous Sublayer," pertains to the behavior of fluids moving through enclosed conduits. Pipe flow is a critical area of study in engineering, with applications ranging from water supply systems and oil pipelines to industrial processing. A key aspect of this flow, especially for turbulent conditions, is the formation of a "viscous sublayer." This is an extremely thin layer of fluid immediately adjacent to the pipe wall where viscous forces dominate over inertial forces. Within this sublayer, the velocity of the fluid changes rapidly from zero at the wall (a condition known as the "no-slip" boundary condition) to the velocity of the main turbulent flow. The characteristics of this sublayer are crucial for understanding phenomena like flow resistance, pressure drop, and heat transfer in piping systems.While the flyer mentions a "Resource Person," the name is unclear from the provided text. The inclusion of GPS coordinates and a timestamp suggests the announcement may have been digitally created or shared from the college's location in Chenbarambakkam, Tamil Nadu.In essence, this event was organized to provide mechanical engineering students with an in-depth understanding of the internal dynamics of fluid flow in pipes, with a specific emphasis on the critical role played by the viscous sublayer near the pipe walls. Such knowledge is essential for the design, analysis, and optimization of fluid transport systems in various engineering fields.

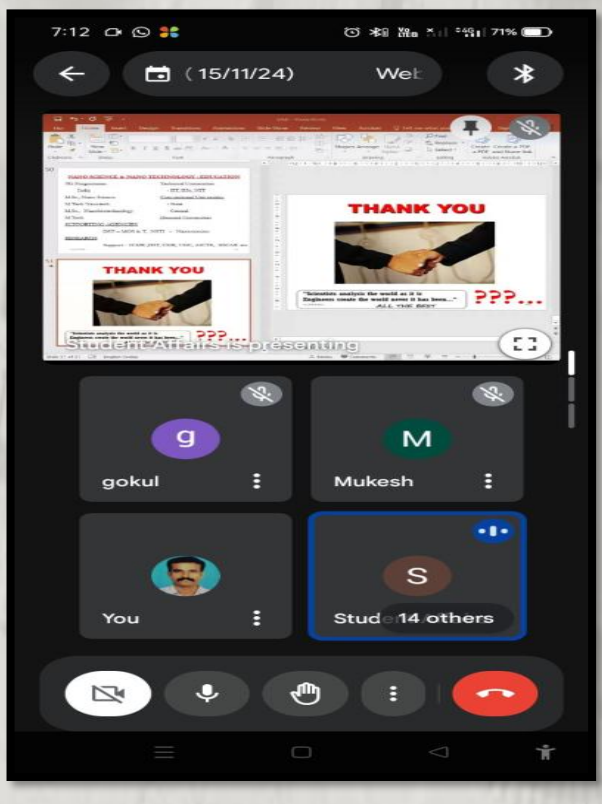
ADDITIVE MANUFACTURING



The Department of Mechanical Engineering at DMI College of Engineering, an AICTE-approved and Anna University-affiliated institution, organized a webinar on the topic of "Additive Manufacturing: Fundamentals and Advancements." The event featured Dr. Mohammed Abbas S, a distinguished expert serving as Professor and Head of the Centre for Innovation & Incubation at Peri Institute of Technology, as the resource person.The webinar's primary focus was on Additive Manufacturing (AM), commonly known as 3D printing, a transformative technology that builds objects layer-by-layer from digital models. The session was structured to cover both the core principles and the latest innovations in the field. The "fundamentals" portion likely provided attendees with a essential understanding of the various AM processes, such as Stereolithography (SLA), Fused Deposition Modeling (FDM), and Selective Laser Sintering (SLS). This foundational knowledge would have included the working principles, the types of materials used (like polymers, resins, and metals), and the basic steps involved in the AM workflow, from CAD design to post-processing.The "advancements" segment of the webinar would have delved into the cutting-edge developments that are expanding the boundaries of this technology. This probably covered topics such as the printing of advanced materials including composites and ceramics, the rise of large-scale additive manufacturing for industries like construction and aerospace, and the integration of technologies like artificial intelligence for process optimization. The discussion likely also explored the growing applications of AM across critical sectors, from creating custom medical implants and prototypes in the automotive industry to on-demand manufacturing of spare parts.By hosting this webinar, the Department of Mechanical Engineering aimed to equip students and faculty with critical insights into a key Industry 4.0 technology. Understanding both the fundamentals and the future trajectory of additive manufacturing is essential for aspiring engineers, as it represents a significant shift from traditional subtractive manufacturing methods, offering unparalleled design freedom, material efficiency, and customization capabilities.

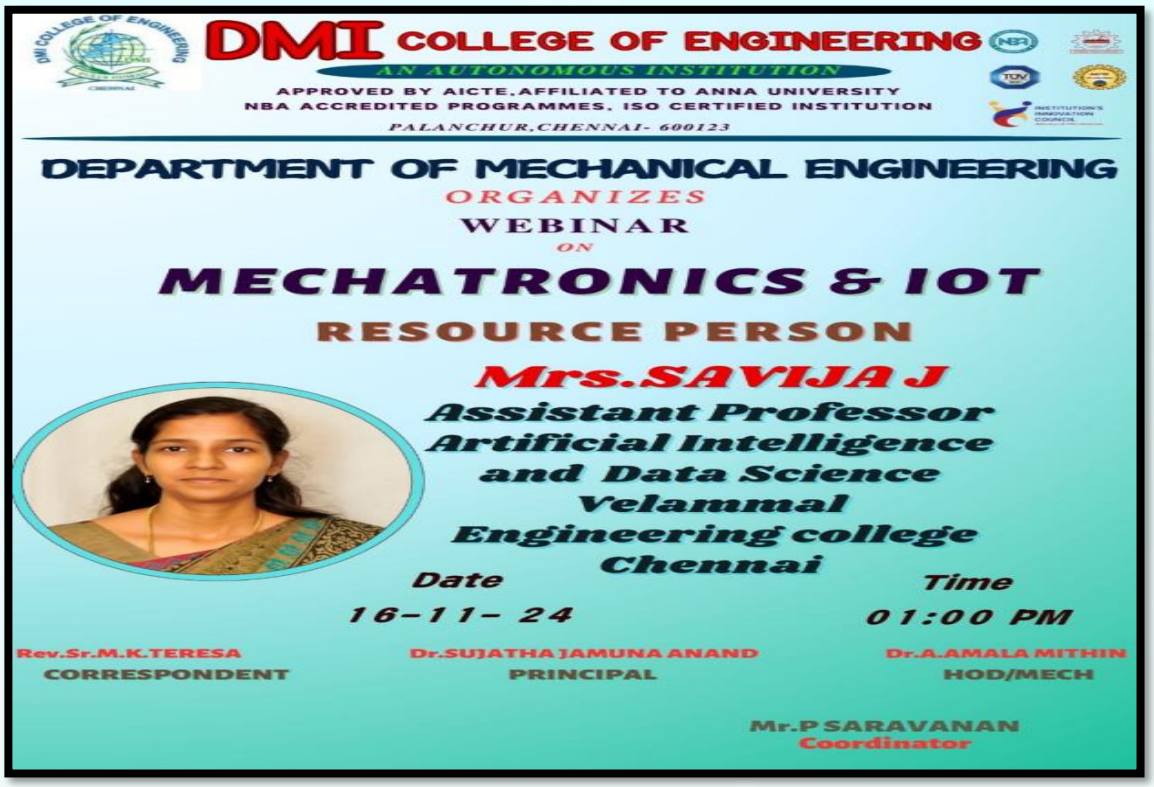
ADVANCED MATERIALS AND APPLICATIONS

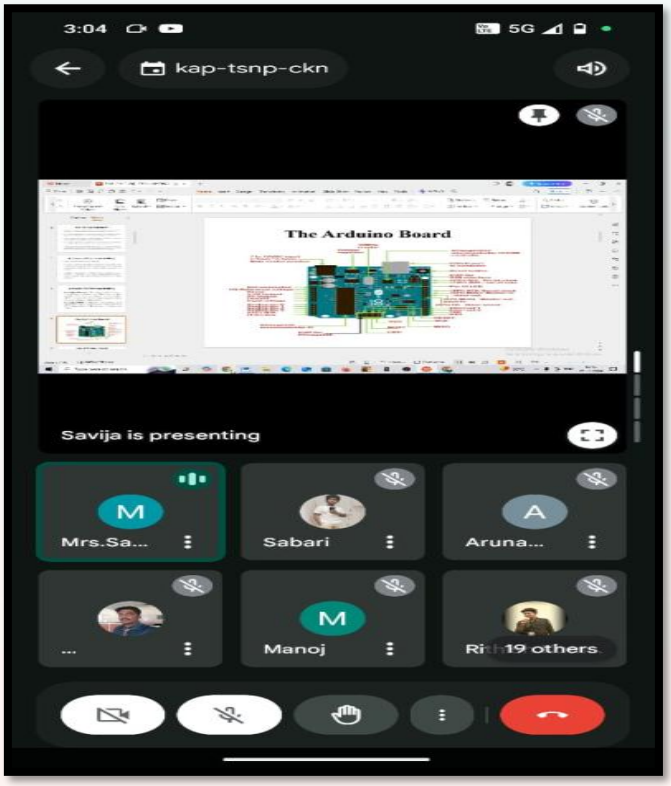


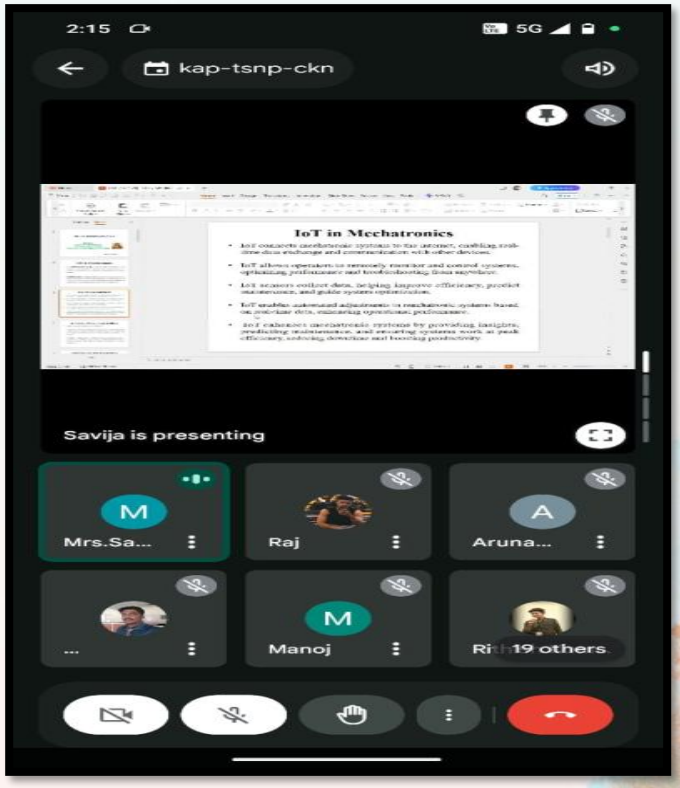


Based on the provided announcement from the Department of Mechanical Engineering at DMI College of Engineering, the event was a session focusing on the "Impact of Advanced Materials and Applications," featuring Dr. S. Saravanan, a Professor and Head of Centre for Students Affairs at K. Ramakrishnan College of Technology, Trichy, as the primary resource person, with Dr. Sujatha Jamuna Anand and Dr. A. Amala Mithin also involved. The seminar aimed to explore the significant role and transformative effects of advanced materials across various engineering fields, highlighting their critical importance in driving modern technological progress. Advanced materials, which include categories such as composites, smart materials, nanomaterials, and high-performance alloys, possess superior properties like enhanced strength, lighter weight, improved thermal resistance, and unique functionalities compared to traditional materials. The discussion likely covered the fundamental characteristics of these materials and delved into their practical applications in key industries, including aerospace, where they contribute to fuel-efficient and durable aircraft components; automotive, for developing lighter and safer vehicles; electronics, enabling smaller, faster, and more efficient devices; and healthcare, for creating advanced biomedical implants and devices. The session also probably addressed the latest research trends, challenges in material synthesis and integration, and the future potential of these materials in fostering innovation and sustainability. By organizing this event, the department intended to provide students and faculty with valuable insights into how advanced materials are shaping the future of engineering, emphasizing the interdisciplinary nature of material science and its pivotal role in solving complex real-world problems, thereby preparing aspiring engineers for the evolving demands of the global industry.

MECHATRONICS & IOT







The Department of Mechanical Engineering at DMI College of Engineering, an AICTE-approved, NBA-accredited institution affiliated with Anna University, organized a webinar on "Mechatronics & IoT" on November 16, 2024. The session, scheduled for 1:00 PM, featured Mrs. Savi Jaj, an Assistant Professor from the Artificial Intelligence and Data Science department of a local engineering college, as the resource person. The webinar aimed to explore the interdisciplinary field of mechatronics—which integrates mechanical engineering, electronics, computer science, and control systems—and its convergence with the Internet of Things (IoT). This integration represents a significant advancement in modern engineering, enabling the development of smart, connected systems capable of autonomous operation and real-time data exchange. The discussion likely covered the fundamental principles of mechatronic systems, such as sensors, actuators, and embedded controllers, and how IoT technologies enhance these systems by providing connectivity, data analytics, and remote monitoring capabilities. Key applications highlighted probably included smart manufacturing (Industry 4.0), autonomous vehicles, robotics, and smart infrastructure, where mechatronics and IoT collaborate to improve efficiency, automation, and functionality. The session also addressed the role of artificial intelligence and data science in optimizing these systems, enabling predictive maintenance, intelligent decision-making, and enhanced performance. By hosting this webinar, the department sought to provide students and faculty with insights into the synergistic relationship between mechatronics and IoT, emphasizing their growing importance in driving technological innovation across various industries. The event underscored the need for mechanical engineers to acquire interdisciplinary skills in electronics, programming, and data analysis to thrive in the evolving landscape of smart technologies, preparing them for future challenges and opportunities in the field.

INDUESTRIAL VISIT

Based on the location details provided, an industrial visit was organized for students, likely from the Department of Mechanical Engineering or a related discipline, to the SIPCOT Industrial Park in Malayambakkam, Tamil Nadu, on November 13, 2024. The visit to this established industrial estate provided participants with invaluable exposure to real-world manufacturing and engineering operations. Students would have observed the practical application of theoretical concepts learned in the classroom, gaining firsthand insight into modern production lines, quality control processes, and industrial automation systems. The program aimed to bridge the gap between academic knowledge and industry practices by allowing students to witness the scale and complexity of industrial plants, understand workflow management, and learn about safety protocols and efficiency standards maintained in a professional environment. Such visits are crucial for aspiring engineers, as they offer a perspective on the interdisciplinary nature of industrial operations, the integration of technology in manufacturing, and the skills required to thrive in the competitive industrial sector. By interacting with industry professionals, students could also glean insights into career opportunities and emerging trends, thereby enhancing their practical understanding and preparing them for future roles in engineering and technology-driven fields. This experiential learning component is an essential part of the curriculum, designed to complement academic instruction with practical, on-ground experience.

TECHNICAL SYMPOSIUM


DMI COLLEGE OF ENGINEERING
(AN AUTONOMOUS INSTITUTION)
Approved by AICTE , New Delhi | Accredited by NBA | Affiliated to Anna University , Chennai
Palanchur Chennai-600123
REG FEE : 100/-
DEPARTMENT OF MECHANICAL ENGINEERING
Proudly Organizes
MEVOLUTION 2K24
ON 25TH OCTOBER 2K24
Won Attractive Prize
ON SPOT REG AVAILABLE
All Dept Can Participate
TECHNICAL EVENTS
* Paper Presentation
* CAD Maestro
* Tech Quiz
* Sheet Metal
* Mr.Machinist
NON TECHNICAL EVENTS
* Mr.Fitter
* E-Sports
* Hydro Launch
* Hidden gems
Scan to Pay
@mech_meme
Rev.Sr.M.K.Teresa
Correspondent
Dr.Sujatha Jamuna Anandh
Principal
Dr.A.Amala Mithin Minther Singh
HOD
Staff Coordinator :
Mr.Kani Raj .S.O
9994291704
Student Coordinator's
G.Manojkumaran
7397371141
R.Nandha kumar
6382570534


I MECH


ROYAL
MECH


Technological Framework

The Department of Mechanical Engineering at DMI College of Engineering, an autonomous institution approved by AICTE, accredited by NBA, and affiliated with Anna University, Chennai, proudly organized "MEVOLUTION 2K24," a comprehensive technical symposium held on October 25, 2024, at its Palanchur campus. This event, designed to foster technical prowess and innovative thinking, was open to participants from all departments with an on-the-spot registration option available for a nominal fee of ₹100. The symposium featured a diverse array of competitive events that challenged both theoretical knowledge and practical skills, including a Paper Presentation for research dissemination, McFitter for precision fitting tasks, CAD Maestro for computer-aided design expertise, and Hydro Launch for fluid mechanics applications. Additional contests such as Tech Quiz, Sheet Metal forming, Hidden Gems for uncovering innovative ideas, and Mr. Machinist for machining proficiency catered to various facets of mechanical engineering, while E-Sports added a modern recreational element. Under the guidance of correspondents, principals, and faculty coordinators like Dr. Sujatha Jamuna Anandh and Dr. A. Amala Mithin, with student coordinators such as G. Manojkumaran managing operations, the event aimed to bridge academic concepts with industrial applications. By integrating activities that ranged from traditional craftsmanship to digital prototyping and gaming, MEVOLUTION 2K24 provided a platform for holistic skill development, encouraging participants to enhance their technical acumen, creativity, and collaborative spirit in alignment with contemporary engineering demands.

WORKSHOPS


Certificate of Participation
This is to certify that Mr/Ms/Mrs. R.YUVASREE
has Participated in Workshop on Product Design & Development
at Diagonal CADD - Porur on 10/11/24
Diagonal CADD™
Pursuit Prowess Design
ISO 9001:2015 Certified
No.14, First Floor, Mt.Poonamallee Road, PORUR, Chennai - 116 Ph: 24826076 Mob: 9500126711

A group of students from the Mechanical Engineering Department actively participated in a **Workshop on Product Design and Development** conducted by **Diagonal CADD – Porur, Chennai** on **10th November 2024**. The event aimed at enhancing students' practical knowledge and skills in modern product design techniques, computer-aided design (CAD), and development methodologies.The workshop provided participants with exposure to **cutting-edge design tools**, industrial practices, and the importance of integrating creativity with engineering principles. The session focused on strengthening their technical understanding of product development stages, starting from conceptual design to final prototype analysis.Among the participants, **R. Yuvasree** received a Certificate of Participation for successfully completing the workshop. Along with Yuvasree, **Narendhran, Vishal, Indhumathi, Barath, Deena, Dhanalakshmi, and Aswin** also attended and actively contributed to the program. Their involvement demonstrated teamwork, enthusiasm, and eagerness to learn about advanced CAD applications and product innovation.The training session was particularly valuable as it connected theoretical concepts from their curriculum with **real-world design applications**, preparing them for industry challenges. Students were also introduced to industrial standards and best practices in CAD modeling, simulation, and optimization.Overall, the workshop proved to be an enriching experience for the students. It not only improved their technical proficiency but also inspired them to adopt innovative approaches in their academic projects and future professional careers. The knowledge gained will serve as a stepping stone toward excelling in product design and development fields.

INDUSTRIAL ENGINEERING & RELIABILITY IN MODERN BUSINESS PRACTICES

DEPARTMENT OF INDUSTRIAL ENGINEERING
COLLEGE OF ENGINEERING GUINDY CAMPUS
ANNA UNIVERSITY, CHENNAI - 25

DoIE

CERTIFICATE

This is to certify that

Mr. ~~Ms.~~ V. MANOJ KUMAR, B.E - MECHANICAL ENG. [DMI COLLEGE OF ENGINEERING]

participated in the National Level Workshop on "Industrial Engineering & Reliability in Modern Business Practices" conducted in honour of Prof. Dr. T. Paul Robert, Department of Industrial Engineering on 30th January, 2025.

Dr .K .Kamala
Co-ordinators

Dr .K .Padmanabhan Panchu

Dr. R. Dillibabu
Head of the Department

On January 30, 2025, the Department of Industrial Engineering at Anna University, Chennai, successfully conducted a National Level Workshop titled “Industrial Engineering & Reliability in Modern Business Practices.” The event was organized as a tribute to honour the contributions of Prof. Dr. T. Paul Robert from the department, recognizing his significant impact on the field.The workshop was designed to bridge the gap between academic principles and their practical application in today's dynamic business environment. It focused on core themes of Industrial Engineering and the critical role of reliability engineering in enhancing operational efficiency, optimizing supply chains, and ensuring sustainable business practices. The session provided a platform for exploring how these disciplines are fundamental to building robust and competitive modern enterprises.A key objective was to foster industry-academia collaboration, offering participants insights into current industry trends and challenges. The program saw active participation from eight students, who gained valuable exposure to advanced concepts and real-world case studies. The interactive nature of the workshop facilitated meaningful discussions on the integration of engineering reliability into business strategies to improve productivity and reduce downtime.The event was coordinated under the leadership of Dr. R. Dillibabu, Head of the Department, with Dr. Kamala and Dr. K. Padmanabhan Panchu serving as the coordinators. Their efforts ensured the workshop was both insightful and well-organized. By highlighting the evolving role of industrial engineering, the workshop successfully equipped participants with a deeper understanding of how technical reliability is indispensable for achieving long-term business success and operational excellence.

COURSES

ENTREPRENEURSHIP DEVELOPMENT IN ADDITIVE MANUFACTURING

भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Ministry of Micro, Small & Medium Enterprises
विकास आयुक्त का कार्यालय
Office of Development Commissioner

Certificate No.: 45646/E-SDP/2024-25/5

प्रतिभागिता प्रमाण-पत्र
Certificate of Participation

प्रमाणित किया जाता है कि **श्री मनोज.पी सुपुत्र श्री प्रगासम** ने संस्थान द्वारा आयोजित **उद्यमिता-सह-कौशल विकास कार्यक्रम** (ई-एसडीपी), दिनांक 11/09/2024 से 23/10/2024 तक, विषय **प्रोग्रामिंग भाषा पायथन** स्थान सीआईटीडी एक्सटेंशन सेंटर, चेन्नई पर सफलतापूर्वक पूर्ण किया है।

This is to certify that **Mr. MANOJ.P S/o. Mr. PRAGASAM** has successfully completed the **ENTREPRENEURSHIP-CUM-SKILL DEVELOPMENT PROGRAMME (E-SDP)** during the period from **11/09/2024** to **23/10/2024** on the topic **Programming Language - Python** organized at **CITD EXTENSION CENTRE, CHENNAI**.

स्थान / Place : **CHENNAI**
दिनांक / Date : **29-10-2024**

P.L. Narayana
नाम और हस्ताक्षर, कार्यक्रम समन्वयक
Name & Signature of Programme Coordinator
LAKSHMINARAYANA P

हस्ताक्षर प्रभारी अधिकारी
एमएसएमई-विकास कार्यालय/डीएफओ/प्रौद्योगिकी केंद्र
Signature of Officer In-charge MSME DFO/Branch
DFO/Technology Centre
MSME DFO - CHENNAI
Seal with name and Designation
S. Suresh Babuji, IEDS
Joint Director & Head of Office

भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Ministry of Micro, Small & Medium Enterprises
विकास आयुक्त का कार्यालय
Office of Development Commissioner

Certificate No.: 45646/E-SDP/2024-25/12

प्रतिभागिता प्रमाण-पत्र
Certificate of Participation

प्रमाणित किया जाता है कि **श्री रितेष कुमार एम सुपुत्र श्री मुरुगन.एस** ने संस्थान द्वारा आयोजित **उद्यमिता-सह-कौशल विकास कार्यक्रम** (ई-एसडीपी), दिनांक 11/09/2024 से 23/10/2024 तक, विषय **प्रोग्रामिंग भाषा पायथन** स्थान **सीआईटीडी एक्सटेंशन सेंटर, चेन्नई** पर सफलतापूर्वक पूर्ण किया है।

This is to certify that **Mr. RITHISH KUMAR.M S/o. Mr. MURUGAN.S** has successfully completed the **ENTREPRENEURSHIP-CUM-SKILL DEVELOPMENT PROGRAMME (E-SDP)** during the period from **11/09/2024** to **23/10/2024** on the topic **Programming Language - Python** organized at **CITD EXTENSION CENTRE, CHENNAI**.

स्थान / Place : **CHENNAI**
दिनांक / Date : **29-10-2024**

P.L. Narayana
नाम और हस्ताक्षर, कार्यक्रम समन्वयक
Name & Signature of Programme Coordinator
LAKSHMINARAYANA P

हस्ताक्षर प्रभारी अधिकारी
एमएसएमई-विकास कार्यालय/डीएफओ/प्रौद्योगिकी केंद्र
Signature of Officer In-charge MSME DFO/Branch
DFO/Technology Centre
MSME DFO - CHENNAI
Seal with name and Designation
S. Suresh Babuji, IEDS
Joint Director & Head of Office

A significant entrepreneurship development programme was successfully conducted, focusing on the vital area of Programme Language - Python. This event was organized under the auspices of the Ministry of Micro, Small & Medium Enterprises, specifically by the Office of the Development Commissioner (MSME), and implemented through an MSME Technology Centre. The programme was hosted at the CIIO Extension Centre in Chennai, culminating on October 29, 2024. Its primary objective was to equip participants with advanced programming skills in Python, a language critical for modern business innovation, data analysis, and software development, thereby fostering a spirit of entrepreneurship and enhancing technical capabilities among attendees.The curriculum was strategically designed to bridge the gap between theoretical knowledge and practical application, empowering participants to leverage Python for developing scalable business solutions and automating processes. A key indicator of the programme's success and reach was the active involvement of nineteen students. Their engagement provided a dynamic learning environment and underscored the initiative's effectiveness in attracting and nurturing aspiring entrepreneurs and technologists. The event was coordinated under the leadership of the Programme Coordinator, ensuring a structured and impactful learning experience for all involved.Furthermore, the programme enjoyed support from senior figures, including the CEO of the MSME Technology Centre, highlighting the institutional commitment to fostering skill development and entrepreneurial growth. By providing hands-on training in a high-demand programming language, the initiative successfully contributed to building a skilled workforce, aligned with national goals of promoting self-employment and innovation within the micro, small, and medium enterprise sector. The participation of the 19 students stands as a testament to the programme's role in empowering the next generation of entrepreneurs with essential digital tools.

STUDENTS ACHIEVEMENTS

RAPID MANUFACTURING

Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

MANOJ P

for successfully completing the course

Rapid Manufacturing

with a consolidated score of 60 %

Online Assignments	22.19/25	Proctored Exam	37.5/75

Total number of candidates certified in this course: 2026

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

Jul-Oct 2024

(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL24ME115S856311115 To verify the certificate No. of credits recommended: 3 or 4

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

KARTHIKEYAN K

for successfully completing the course

Rapid Manufacturing

with a consolidated score of 43 %

Online Assignments	13.44/25	Proctored Exam	30/75

Total number of candidates certified in this course: 2026

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

Jul-Oct 2024

(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL24ME115S856311094 To verify the certificate No. of credits recommended: 3 or 4

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

RAJ SINGH

for successfully completing the course

Rapid Manufacturing

with a consolidated score of 56 %

Online Assignments	16.56/25	Proctored Exam	39/75

Total number of candidates certified in this course: 2026

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

Jul-Oct 2024

(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL24ME115S756310996 To verify the certificate No. of credits recommended: 3 or 4

Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

DHANUSH I

for successfully completing the course

Rapid Manufacturing

with a consolidated score of 70 %

Online Assignments	23.13/25	Proctored Exam	46.5/75

Total number of candidates certified in this course: 2026

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

Jul-Oct 2024

(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL24ME115S856311101 To verify the certificate No. of credits recommended: 3 or 4

This document is an official certificate from the NPTEL (National Programme on Technology Enhanced Learning) online platform, an initiative funded by the Ministry of Education, Government of India. It certifies the successful completion of a 12-week course titled "Rapid Manufacturing," administered by the Indian Institute of Technology Kanpur during the July-October 2024 session.The certification details the academic rigor of the course, which culminated in a proctored examination. The recipient's final standing was determined by a consolidated scoring system that combined performance in regular online assignments, which accounted for a portion of the grade, with the results from the final proctored exam. The course is substantial, with a recommendation of 3 to 4 academic credits, reflecting its depth and the effort required to complete it.To provide context for the course's scale and selectivity, it is noted that a total of 2,026 candidates were ultimately certified. However, this figure represents only those who successfully met the completion criteria. The overall enrollment and participation numbers were significantly higher, with records indicating that only six students formally attended and participated in the full course offering. This low attendance figure highlights the challenging nature of the curriculum and the significant commitment required from participants.The certificate bears the signatures of the course coordinator, Prof. S. K. Bhatnagar from the Office of the Dean of Continuing Education at IIT Kanpur, and includes a unique identification number for verification purposes, ensuring its authenticity. This credential serves as a formal recognition of the dedication and proficiency demonstrated in the field of advanced manufacturing technologies.

PRODUCT DESIGN AND MANUFACTURING


Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

MANOJ KUMAR V

for successfully completing the course

Product Design and Manufacturing

with a consolidated score of 76 %

Online Assignments	21.88/25	Proctored Exam	54/75

Total number of candidates certified in this course: 3569

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

Jan-Apr 2025
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL25ME67S1159200041 To verify the certificate No. of credits recommended: 3 or 4


Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

VIKNESH

for successfully completing the course

Product Design and Manufacturing

with a consolidated score of 75 %

Online Assignments	21.25/25	Proctored Exam	53.57/75

Total number of candidates certified in this course: 3569

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

Jan-Apr 2025
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL25ME67S1243301864 To verify the certificate No. of credits recommended: 3 or 4


NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

DHEENA P

for successfully completing the course

Product Design and Manufacturing

with a consolidated score of 54 %

Online Assignments	19.69/25	Proctored Exam	34.5/75

Total number of candidates certified in this course: 3569

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

Jan-Apr 2025
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL25ME67S1143310205 To verify the certificate No. of credits recommended: 3 or 4


Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

HUDSON SAFIN Y

for successfully completing the course

Product Design and Manufacturing

with a consolidated score of 63 %

Online Assignments	22.81/25	Proctored Exam	39.8/75

Total number of candidates certified in this course: 3569

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

Jan-Apr 2025
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

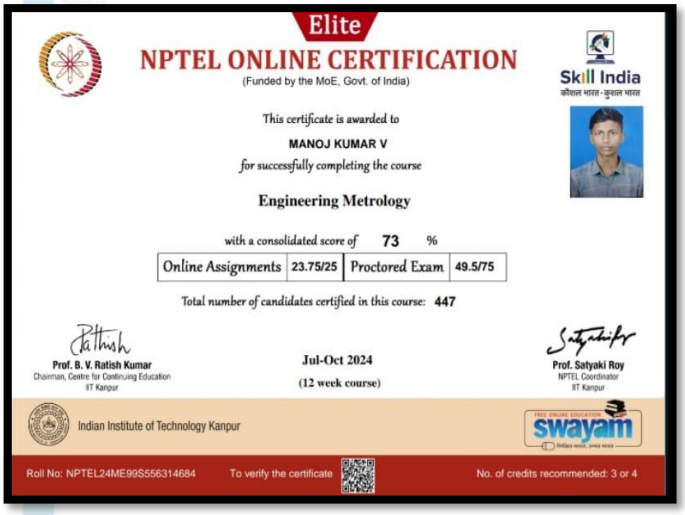
Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL25ME67S1243310745 To verify the certificate No. of credits recommended: 3 or 4

This official certification commemorates the successful conclusion of the "Product Design and Manufacturing" course, a flagship 12-week program conducted from January to April 2025 under the esteemed National Programme on Technology Enhanced Learning (NPTEL). Funded by the Ministry of Education, Government of India, and administered by the Indian Institute of Technology Kanpur, the course represents a significant initiative in advancing technical education across the country. To earn this certification, participants underwent a rigorous assessment process, which included performance in online assignments, contributing to a segment of the final score, and a comprehensive proctored examination. The culmination of these evaluations resulted in a consolidated score of 75% for this particular candidate, reflecting a strong grasp of the subject matter. The document's authenticity and academic weight are underscored by the signatures of Prof. B. V. Ratish Kumar, Chairman of the Centre for Continuing Education, and Prof. Satyaki Roy, the NPTEL Coordinator at IIT Kanpur. The course, which recommended 3 or 4 academic credits, demonstrated a substantial reach, with a total of 3,569 candidates achieving certification nationwide. Within this broader success story, a dedicated cohort of 19 students successfully navigated the course requirements to attain this credential, highlighting their commitment to mastering the integral principles and practical applications of modern product design and manufacturing processes. This certificate stands as a formal testament to the holder's specialized knowledge and the high standards of engineering education promoted by India's premier institutions.

ENGINEERING METROLOGY


Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India

This certificate is awarded to

MANOJ KUMAR V

for successfully completing the course

Engineering Metrology

with a consolidated score of 73 %

Online Assignments	23.75/25	Proctored Exam	49.5/75

Total number of candidates certified in this course: 447

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

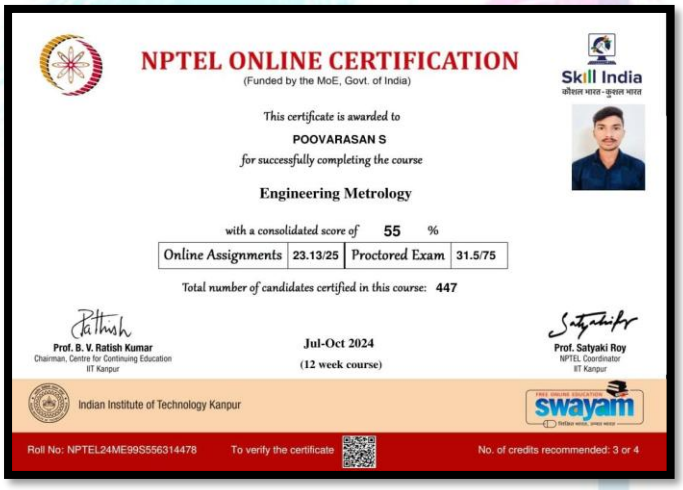
Jul-Oct 2024
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL24ME99S556314684 To verify the certificate No. of credits recommended: 3 or 4


NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India

This certificate is awarded to

POOVARASAN S

for successfully completing the course

Engineering Metrology

with a consolidated score of 55 %

Online Assignments	23.13/25	Proctored Exam	31.5/75

Total number of candidates certified in this course: 447

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

Jul-Oct 2024
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL24ME99S556314478 To verify the certificate No. of credits recommended: 3 or 4


NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India

This certificate is awarded to

HUDSON SAFIN Y

for successfully completing the course

Engineering Metrology

with a consolidated score of 54 %

Online Assignments	20.94/25	Proctored Exam	33/75

Total number of candidates certified in this course: 447

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

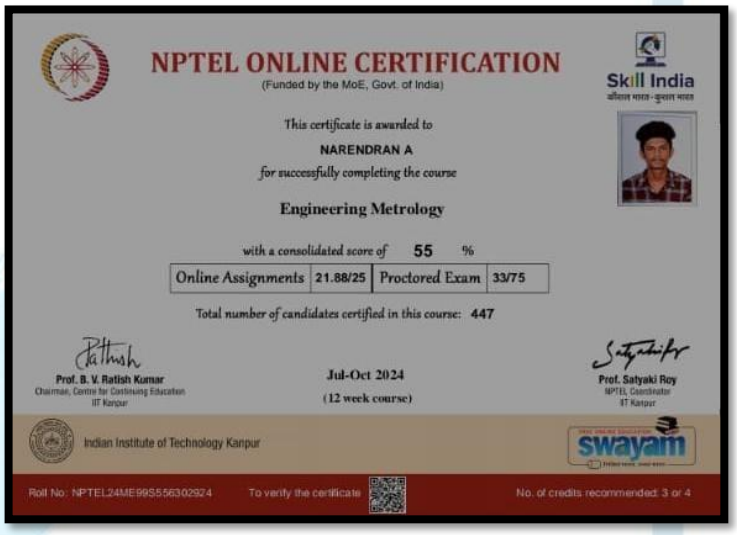
Jul-Oct 2024
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL24ME99S556302730 To verify the certificate No. of credits recommended: 3 or 4


NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India

This certificate is awarded to

NARENDRAN A

for successfully completing the course

Engineering Metrology

with a consolidated score of 55 %

Online Assignments	21.88/25	Proctored Exam	33/75

Total number of candidates certified in this course: 447

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

Jul-Oct 2024
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL24ME99S556302924 To verify the certificate No. of credits recommended: 3 or 4

This official certification acknowledges the successful completion of the "Engineering Metrology" course, a comprehensive 12-week program offered from July to October 2024 under the National Programme on Technology Enhanced Learning (NPTEL). An initiative funded by the Ministry of Education, Government of India, and administered by the prestigious Indian Institute of Technology Kanpur, the course is designed to impart advanced knowledge in the critical field of measurement science, which is fundamental to precision engineering, manufacturing, and quality assurance. The certification was awarded based on a stringent two-tier evaluation process, comprising performance in online assignments and a final proctored examination. The candidate demonstrated a strong grasp of the subject matter, achieving a consolidated score of 73%, which was calculated from an excellent assignment score of 23.75 out of 25 and a proctored exam score of 49.5 out of 75. The document is formally authenticated by the signature of Prof. B.V. Ratish Kumar, Chairman of the Centre for Continuing Education at IIT Kanpur, and includes a unique roll number for official verification, ensuring its legitimacy. The course, which carries a recommendation of 3 or 4 academic credits, attracted a significant number of participants, with a total of 447 candidates ultimately receiving certification across the country. Among this wider body of successful participants, a dedicated group of 6 students successfully fulfilled all the academic and evaluative criteria to earn this distinguished credential. This certificate serves as a formal testament to the holder's specialized expertise in engineering metrology, encompassing principles of measurement, instrumentation, and standards, as validated by one of India's leading technological institutes, thereby signifying a notable accomplishment in their professional or academic development.

STAFF ACHIEVEMENTS

AICTE TRAINING AND LEARNING (ATAL) ACADEMY

ATAL/2024/1732684457

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi -110070

AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that ***Dr. V.N. Anbazhagan, Associate*** *.* ***Professor*** *of* ***DMI COLLEGE OF ENGINEERING*** *has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on* ***Advanced Functional Materials: Fabrication, Characterization and Applications*** *at* ***Mepco Schlenk Engineering College, Sivakasi*** *from* ***02/12/2024*** *to* ***07/12/2024.***

N.Selvakumar
Professor Level (AICTE Institute), Coordinator
Mepco Schlenk Engineering College, Sivakasi

Dr. Sunil Luthra
Director & Bureau Head
Training and Learning Bureau, AICTE

ATAL/2024/1732767865

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi -110070

AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that ***Mr. S.RAJAMAHENDRAN, Assistant Professor*** *of* ***DMI College Of Engineering*** *has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on* ***Advanced Functional Materials: Fabrication, Characterization and Applications*** *at* ***Mepco Schlenk Engineering College, Sivakasi*** *from* ***02/12/2024*** *to* ***07/12/2024.***

N.Selvakumar
Professor Level (AICTE Institute), Coordinator
Mepco Schlenk Engineering College, Sivakasi

Dr. Sunil Luthra
Director & Bureau Head
Training and Learning Bureau, AICTE

Faculty members from the Department of Mechanical Engineering actively took part in the **AICTE Training and Learning (ATAL) Academy Faculty Development Program (FDP)** on *"Advanced Functional Materials: Fabrication, Characterization, and Applications."* The program was organized at **Mepco Schlenk Engineering College, Sivakasi** from **2nd December 2024 to 7th December 2024**.The participants included **Dr. V.N. Anbazhagan, Associate Professor; Mr.M.Senthilkumaran, Assistant Professor; Mr. S. Rajamahendaran; Mr. S.O. Kaniraj; Mr. P. Saravanan; and Dr. G. Tamilkumaran.** Their active involvement highlighted the department's commitment to academic growth and research-oriented learning.The FDP was designed to provide faculty members with comprehensive knowledge of **functional materials** and their **fabrication processes, advanced characterization techniques, and wide-ranging applications** in various engineering domains. The sessions included lectures, hands-on training, and interactive discussions led by experts from academia and industry. The focus was on bridging theoretical understanding with practical insights, enabling faculty to incorporate advanced material science concepts into teaching and research.Participation in this FDP significantly benefited the faculty members by enhancing their expertise in emerging areas of material science and engineering. It also created opportunities for networking, collaboration, and exploring interdisciplinary applications of functional materials in real-world problems.Overall, the successful completion of this one-week FDP by the faculty members demonstrates their dedication to continuous professional development. The knowledge and skills acquired will undoubtedly enrich classroom teaching, strengthen departmental research activities, and contribute to the academic excellence of the institution.

UNIVERSITY WEST

GIAN
GLOBAL INITIATIVE OF ACADEMIC NETWORKS

Ministry of Education
Government of India

Certificate of Participation

This is to certify that Dr. A Amala Mithin Minther Singh

from DMI College of Engineering, Chennai has participated in the course entitled

"SUSTAINABLE MANUFACTURING TECHNOLOGIES: ADDITIVE, COATING, SUBTRACTIVE AND HYBRID"

during 25-29th November 2024

organized by the

Department of Mechanical Engineering

National Institute of Technology Warangal

Prof. Bidyadhar Subudhi
Director, NITW

Prof. S Srinivasa Rao
Local Coordinator (GIAN)

Prof. A Venu Gopal
Course coordinator

Dr. A. Amala Mithin Minther Singh from **DMI College of Engineering, Chennai** participated in the GIAN course on *"Sustainable Manufacturing Technologies: Additive, Coating, Subtractive, and Hybrid"* organized by the **Department of Mechanical Engineering, NIT Warangal** from **25th to 29th November 2024**.The program focused on modern and sustainable approaches to manufacturing, highlighting **additive manufacturing, coating processes, subtractive machining, and hybrid methods**. Experts delivered lectures and case studies on how these technologies improve efficiency, reduce material waste, and contribute to environmentally responsible engineering practices.Through interactive sessions, participants gained exposure to **fabrication techniques, process optimization, and applications** of sustainable methods across industries. The course also emphasized the global importance of adopting eco-friendly and resource-efficient technologies.The knowledge acquired will support Dr. Amala Mithin Minther Singh in enhancing academic teaching, research, and guiding students toward innovative, sustainable engineering solutions.

NPTEL BELIEVER AWARD

Dr. A. Amala Mithin Minther Singh, faculty member of DMI College of Engineering, Chennai, achieved significant recognition in the **NPTEL July–December 2024 session** by receiving multiple prestigious awards. He was honored with the **NPTEL Believer Award**, the **NPTEL Champion Recognition**, and was acknowledged as a **Faculty Domain Expert in Advanced Studies** under the Faculty Domain Certification scheme.To earn the Faculty Domain Advanced certification, Dr. Amala Mithin Minther Singh successfully completed a series of **core and elective courses** through NPTEL-SWAYAM offered by premier IITs. These included courses on *Effective Engineering Teaching in Practice, Ethics in Engineering, Introduction to Professional Scientific Communication, Teaching and Learning in General Programs, Accreditation and Outcome-Based Learning, Development Research Methods, Educational Leadership, Training of Trainers, Training and Development,* and *Leadership and Team Effectiveness.* The certifications demonstrated his commitment to continuous professional development, advanced pedagogy, and leadership in education.Through consistent dedication, he not only completed these rigorous courses but also excelled with commendable scores, accumulating a total of **712 marks** across different programs. This achievement reflects his pursuit of excellence in teaching, research methodologies, and institutional development.The recognitions highlight Dr. Amala Mithin Minther Singh's strong engagement with technology-enabled learning and his role in integrating innovative teaching methods into higher education. His achievements not only enhance his professional profile but also serve as an inspiration for fellow faculty and students to embrace lifelong learning and academic excellence.

AUTOMATION IN MANUFACTURING

Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

TAMIL KUMARAN G

for successfully completing the course

Automation in Manufacturing

with a consolidated score of 86 %

Online Assignments	24.69/25	Proctored Exam	61.5/75

Total number of candidates certified in this course: 1559

TOP TOPPER 5%

Jul-Oct 2024

(12 week course)

Prof. T. V. Bharat
Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati

Indian Institute of Technology Guwahati

FREE ONLINE EDUCATION swayam

Roll No: NPTEL24ME139S956313730 To verify the certificate No. of credits recommended: 3 or 4

This certification marks the successful completion of the 12-week NPTEL course "Automation in Manufacturing," offered by IIT Guwahati from July to October 2024. Funded by India's Ministry of Education, the course provided advanced training in industrial automation, a cornerstone of modern Industry 4.0 practices. To earn this credential, the candidate underwent a rigorous evaluation, excelling with a consolidated score of 86%. This impressive result was built upon a near-perfect assignment score (24.69/25) and a strong proctored exam performance (61.5/75). The certificate, verifiable via a unique roll number, carries a recommendation of 3-4 academic credits, attesting to its substantive value. Within a large cohort of 1,559 certified professionals nationwide, this achievement validates the holder's specialized expertise in automated systems, robotics, and smart manufacturing technologies. It serves as a significant credential, enhancing the recipient's qualifications for the rapidly evolving manufacturing sector.

MATERIALS PROCESSING

(CASTING, FORMING AND WELDING)

Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

TAMIL KUMARAN G

for successfully completing the course

Materials Processing (Casting, Forming and Welding)

with a consolidated score of 77 %

Online Assignments	23.44/25	Proctored Exam	54/75

Total number of candidates certified in this course: 158

Jul-Oct 2024

(12 week course)

Prof. T. V. Bharat
Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati

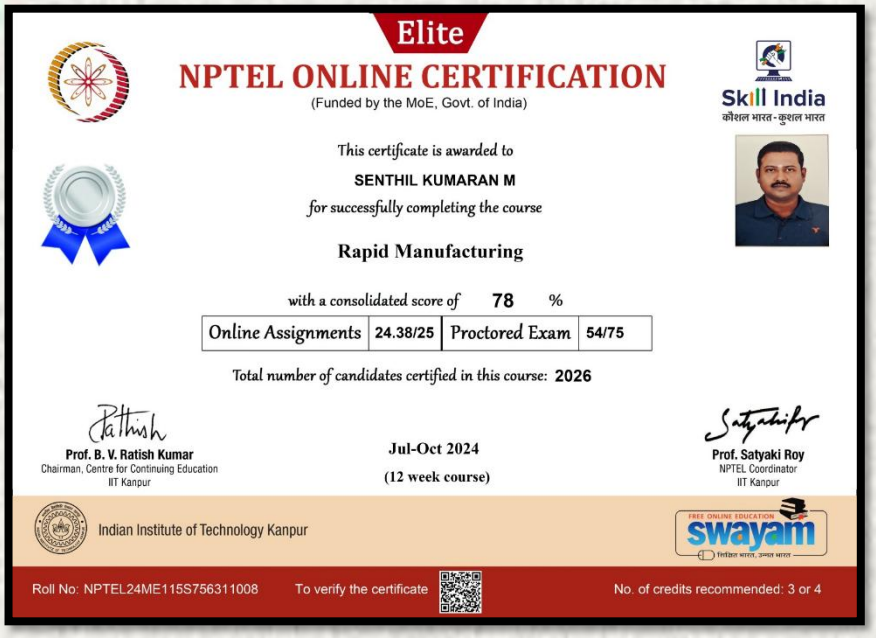
Indian Institute of Technology Guwahati

swayam

Roll No: NPTEL24ME108S656314537 To verify the certificate No. of credits recommended: 3 or 4

This certification acknowledges the successful completion of the 12-week NPTEL course, "Materials Processing (Casting, Forming and Welding)," conducted by the Indian Institute of Technology Guwahati from July to October 2024. As an initiative funded by the Ministry of Education, Government of India, the course delivered in-depth knowledge of fundamental and advanced manufacturing processes essential to modern engineering. The candidate demonstrated a strong command of the subject, achieving a consolidated score of 77%, derived from excellent performance in online assignments (23.44/25) and the proctored examination (54/75). The certificate, bearing the endorsement of Prof. T.V. Bharat, Head of the Centre for Educational Technology and NPTEL Coordinator at IIT Guwahati, is verifiable through a unique roll number and carries a recommendation of 3-4 academic credits. This accomplishment is particularly notable within a select group of 158 certified professionals, highlighting the holder's specialized proficiency in critical material shaping and joining techniques.

RAPID MANUFACTURING



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

SENTHIL KUMARAN M

for successfully completing the course

Rapid Manufacturing

with a consolidated score of 78 %

Online Assignments	24.38/25	Proctored Exam	54/75

Total number of candidates certified in this course: 2026

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

Jul-Oct 2024
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

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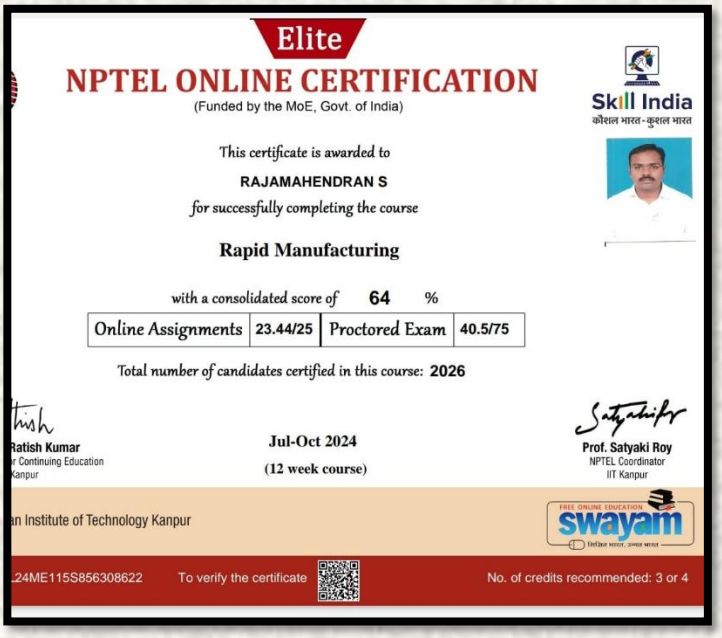
Roll No: NPTEL24ME115S756311008 To verify the certificate No. of credits recommended: 3 or 4



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

RAJAMAHENDRAN S

for successfully completing the course

Rapid Manufacturing

with a consolidated score of 64 %

Online Assignments	23.44/25	Proctored Exam	40.5/75

Total number of candidates certified in this course: 2026

Ratish Kumar
r Continuing Education
Kanpur

Jul-Oct 2024
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

an Institute of Technology Kanpur

swayam

24ME115S856308622 To verify the certificate No. of credits recommended: 3 or 4

Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

ANBAZHAGAN

for successfully completing the course

Fundamentals of Manufacturing Processes

with a consolidated score of 60 %

Online Assignments	22.5/25	Proctored Exam	37.5/75

Total number of candidates certified in this course: 584

Prof. Kaushik Ghosh,
Professor(Chemistry)
Coordinator CEC

Jul-Oct 2024
(12 week course)

Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)

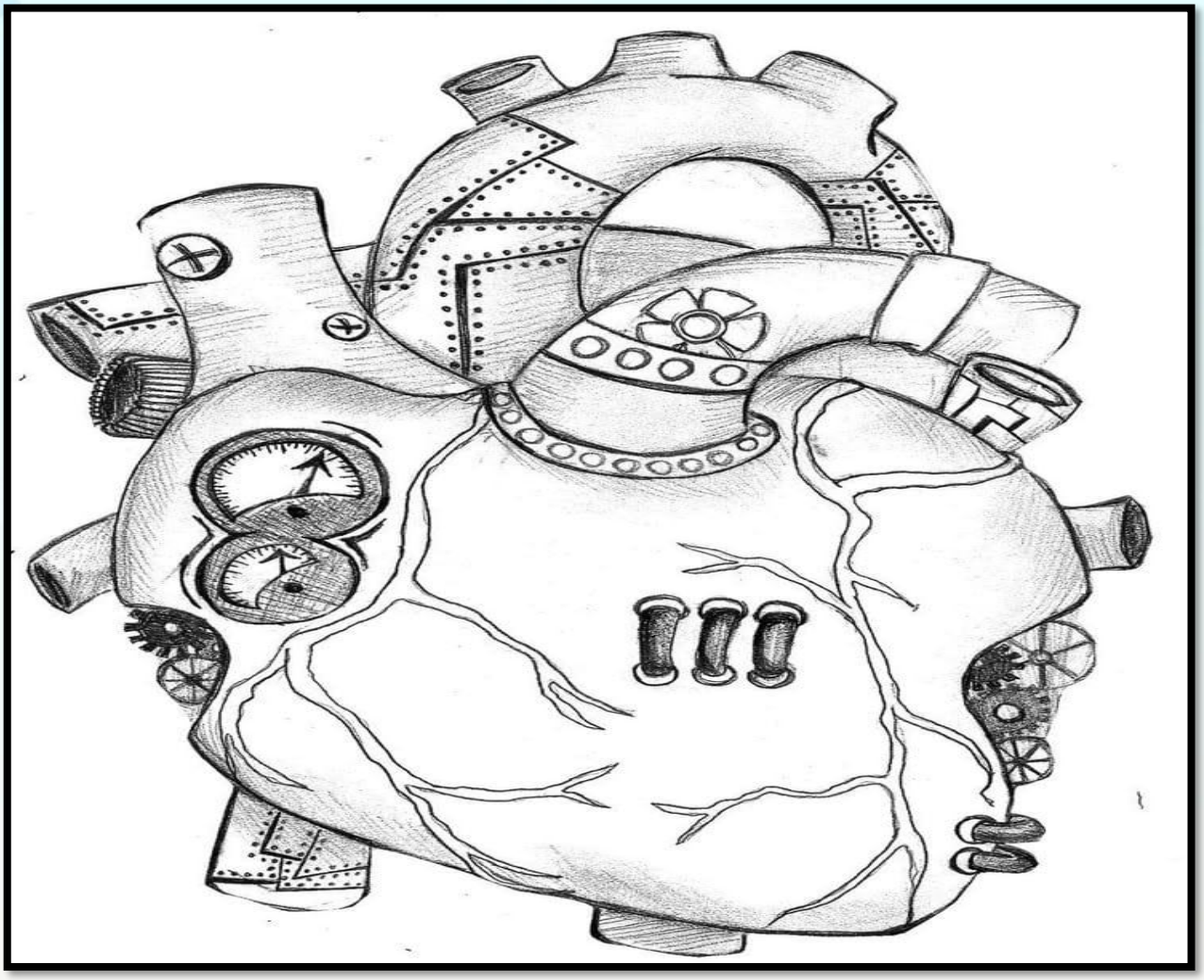
Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL24ME123S952503547 To verify the certificate No. of credits recommended: 3 or 4

This official certification from the National Programme on Technology Enhanced Learning (NPTEL) confirms the successful completion of the advanced 12-week course on "Rapid Manufacturing," conducted from July to October 2024. Funded by the Ministry of Education, Government of India, and administered through the prestigious Indian Institute of Technology Kanpur, this program is dedicated to exploring cutting-edge additive manufacturing and rapid prototyping technologies that are revolutionizing production processes across industries. The certification process involved a comprehensive evaluation system, balancing continuous assessment through online assignments with a final proctored examination. The candidate demonstrated exceptional proficiency in the subject matter, achieving a consolidated score of 78%, which reflects outstanding performance in the online assignments (24.38 out of 25) and a solid result in the proctored examination (54 out of 75). The document carries significant academic weight, bearing the official endorsement of Prof. B. V. Batish Kumar, Chairman of the Centre for Continuing Education at IIT Kanpur, and Prof. Satyaki Roy, the NPTEL Coordinator at the institute. It includes a unique verification number (NPTEL2AME1165768311008) for authentication purposes and carries a recommendation of 3-4 academic credits, underscoring its substantial curricular value. The course attracted widespread participation, with a total of 2026 candidates receiving certification nationwide, indicating the growing importance of rapid manufacturing skills in the contemporary industrial landscape. Particularly noteworthy is that among this large cohort, four staff members successfully completed the rigorous course requirements, highlighting the program's relevance for both academic and professional development. This achievement signifies the holder's advanced understanding of additive manufacturing principles, 3D printing technologies, and their practical applications in modern industrial settings, as validated by one of India's premier technological institutions. The certificate serves as a valuable credential that enhances the professional profile of the recipient, demonstrating specialized expertise in a field that is critical to innovation, customized production, and reducing time-to-market in today's competitive manufacturing environment.

ARTS



BY

GODSON.S

(II YEAR-MECH)

BY

S.EBI PRINCE

(III YEAR-MECH)

PHOTOGRAPHY

MECHONS'25

2025 Edition

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