



SANKAR POLYTECHNIC COLLEGE

A GOVERNMENT AIDED, AUTONOMOUS INSTITUTION

Approved by AICTE & Affiliated to DoTE, Chennai

SANKARNAGAR - 627357, Tirunelveli



Department of
Mechanical Engineering

MECHNIZON

2025-2026

A Technical Magazine

Voices of leadership

Principal's Message:

It gives me immense pleasure to present "**MECHNIZON 2025-2026**" magazine of the Department of Mechanical Engineering. This publication stands as a reflection of the creativity, technical knowledge, and innovative spirit of our students and faculty.

Mechanical Engineering continues to be the backbone of industrial and technological development. In this rapidly evolving world, it is essential for students to go beyond textbooks and engage in creative thinking, practical learning, and research-oriented activities. "**MECHNIZON 2025-2026**" provides an excellent platform for students to express their ideas, showcase their talents, and stay updated with the latest advancements in the field of engineering.

I appreciate the dedicated efforts of the editorial team, faculty members, and students who have contributed to bringing out this magazine successfully. I am confident that this edition will inspire young minds to explore new horizons and strive for excellence in their professional journey.

I extend my best wishes to all contributors and readers of "**MECHNIZON 2025-2026**" for a bright and successful future.

Voices of leadership

Message from the Administrative Officer:

I am delighted to know that the Department of Mechanical Engineering is bringing out the technical magazine "MECHNIZON 2025-2026". This magazine is a commendable initiative that encourages students to develop their technical knowledge, communication skills, and creativity.

In today's competitive world, it is important for students to enhance their practical understanding along with academic learning. A platform like "MECHNIZON 2025-2026" enables students to share their ideas, innovations, and experiences, thereby contributing to their overall personality development.

I congratulate the Department, faculty members, and students for their sincere efforts in publishing this magazine. I hope this edition will serve as a source of inspiration and knowledge for all readers.

Wishing "MECHNIZON 2025-2026" a grand success.

Voices of leadership

HOD's Message

It gives me immense pleasure to present MECHNIZON 2025-2026, the annual magazine of the Department of Mechanical Engineering. This magazine reflects the creativity, technical knowledge, innovation, and achievements of our students and faculty members.

Mechanical Engineering continues to be the backbone of technological advancement and industrial development. In today's rapidly evolving world, mechanical engineers are expected not only to possess strong technical skills but also to demonstrate creativity, leadership, teamwork, and problem-solving abilities. Our department strives to nurture these qualities through a balanced blend of academic excellence, practical learning, industry interaction, research activities, and co-curricular engagements. MECHNIZON 2025-2026 serves as a platform for our students to showcase their talents, innovative ideas, technical articles, project works, achievements, and creative contributions. The magazine highlights the vibrant academic environment of our department and the collective efforts of students and faculty in pursuing excellence. I congratulate the editorial team, faculty coordinators, and students who have worked tirelessly to bring out this edition. Their dedication and enthusiasm have made this publication a valuable record of our departmental activities and accomplishments.

I am confident that this magazine will inspire our students to continue exploring new horizons in engineering and contribute meaningfully to society. I extend my best wishes to all the contributors and readers of MECHNIZON 2025-2026. May this edition motivate every aspiring mechanical engineer to innovate, excel, and achieve greater heights in their professional journey.

With Best Wishes,

Mr. S. Chellappa

Head of the Department

Department of Mechanical Engineering

Sankar Polytechnic College, Sanka Nagar

Vision and Mission

Vision Of the Institute

To deliver holistic technical education of high standards that creates competent technocratic leaders of the future, from diverse backgrounds, who will power India to greater heights, and to combine with a holistic approach for the development of character and skills of students.

Mission Of the Institute

To achieve and realize our Vision by

- ✓ Providing a conducive academic environment to our students that promotes creativity, nurtures hidden talents and develops self-confidence
- ✓ Maintaining high level of academic standards by keeping abreast of newer technologies and tools in both teaching and communication
- ✓ Providing quality education to impart basic engineering knowledge commensurate with a diploma level qualification
- ✓ Taking efforts to prepare students to be 'Industry-ready' at the time of leaving our college
- ✓ And to achieve the above without any compromise to our core values of Honesty, Sincerity, Dedication, Trust & Excellence

Department Vision:

To be a distinguished department that develops industry-ready mechanical engineers, successful entrepreneurs who embody the pride of nation through exceptional skills, quality and innovation.

Department Mission:

- ✓ To equip students with advanced technical skills and industry knowledge by improving the curriculum, collaborating with industries, and connecting with alumni.
- ✓ To foster entrepreneurship and innovation by encouraging interdisciplinary projects and hands-on problem-solving.
- ✓ To promote ethical practices and excellence to develop professionals who contribute to the Nation's progress and pride.

PO, PSO & PEO

Program Outcomes (POs)

- ✓ PO1 - Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
- ✓ PO2 - Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.
- ✓ PO3 - Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
- ✓ PO4 - Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- ✓ PO5 - Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.
- ✓ PO6 - Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
- ✓ PO7 - Life-long learning: Ability to analyse individual needs and engage in updating in the context of technological changes.

PROGRAM SPECIFIC OUTCOME (PSOs)

- ✓ PSO1: Apply core mechanical engineering knowledge and advanced skills in design, analysis, simulation, and manufacturing to develop innovative, efficient and sustainable solutions for real-world challenges.
- ✓ PSO2: Cultivate an entrepreneurial mindset, uphold ethical standards, and leverage innovative skills to drive technological advancement and support the nation's growth.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- ✓ PEO1: Build a solid foundation in mechanical engineering principles and practical skills to effectively apply theoretical knowledge to real-world challenges.
- ✓ PEO2: Prepare successful careers in industry, entrepreneurship and higher education with adaptability and problem-solving expertise.
- ✓ PEO3: Uphold ethical values, foster innovation and demonstrate social responsibility to contribute positively to society and the environment.

Editorial Board

Chief Editor :

Mr. S.Chellappa, HOD/MECH

Faculty Editors :

1. Mr. R. Sundhara Vadivel, Lecturer/Mech

2. Mr. S. Mari Thiraviya Raj, Lecturer/Mech

Student Editors :

1. R. Harikaran, II Year Mechanical

2. M. Selva, II Year Mechanical

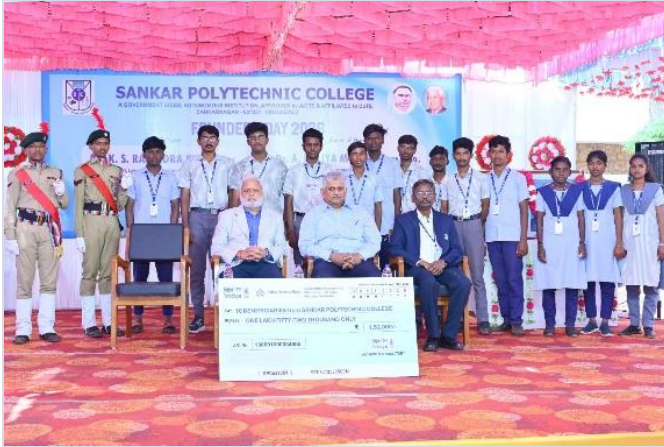
TECHNICAL SEMINAR ON “EVOLUTION OF FUEL INJECTION TECHNOLOGY IN THE MODERN ERA”



The Department of Mechanical Engineering of Sankar Polytechnic College successfully organized a Technical Seminar on **“Evolution of Fuel Injection Technology in the Modern Era”** on 18 July 2025. The seminar was delivered by distinguished industry experts from Delphi TVS Technologies Pvt. Ltd., namely Mr. R. K. Nandha Kishore (HR), Mr. M. Shanmugam (Methods In-charge), Mr. G. Anandraj (Recruiting In-charge), and Mr. S. R. Sanjiv (Recruiting In-charge). The session provided students with valuable insights into the advancements in fuel injection systems, emerging automotive technologies, industrial practices, and career opportunities in the automotive sector. The interactive seminar enhanced students’ technical knowledge, industry awareness, and employability skills, bridging the gap between academic learning and modern industrial requirements.

DELPHI TVS TECHNOLOGIES LTD

SCHOLARSHIP INITIATIVE



As a part of its commitment to supporting technical education and student welfare, Delphi TVS Technologies Ltd. extended financial assistance to deserving students of Sankar Polytechnic College through its scholarship initiative.

This generous contribution reflects the strong industry–institution relationship between Delphi TVS and Sankar Polytechnic College and highlights the company's dedication to nurturing young talent. The scholarship program has motivated students to excel in academics and professional development while fostering a culture of achievement and social responsibility.



Delphi - TVS Technologies	Indian Overseas Bank	NARANAMMALPURAM BRANCH TIRUNELVELI - TAMILNADU IFSC Code: IOBA0001388	Valid for the Academic year 2025-2026 <table><tr><td>3</td><td>0</td><td>0</td><td>1</td><td>2</td><td>0</td><td>2</td><td>6</td></tr><tr><td>D</td><td>M</td><td>M</td><td>Y</td><td>Y</td><td>Y</td><td>Y</td><td>Y</td></tr></table>	3	0	0	1	2	0	2	6	D	M	M	Y	Y	Y	Y	Y
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			₹ 1,52,000/-																
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During the academic year 2025–2026, a total of 16 students received scholarships amounting to ₹1,52,000, helping them pursue their studies with greater confidence and financial security.

SEMINAR ON ENTREPRENEURSHIP DEVELOPMENT AND SELF-RELIANCE



The EDII Cell and the Department of Mechanical Engineering of Sankar Polytechnic College jointly organized a seminar on **“Entrepreneurship Development – A Gateway to Self-Reliance and Innovation”** on 28 July 2025. The session was delivered by **Mr. M. Siva Baarathi, District Program Manager, EDII-TN, Tirunelveli**, who provided valuable insights into entrepreneurship, innovation, startup opportunities, government support schemes, and the importance of self-employment in today’s competitive environment. The seminar inspired students to develop an entrepreneurial mindset, enhance their leadership and problem-solving abilities, and explore opportunities for creating sustainable ventures. The interactive session encouraged participants to view entrepreneurship as a viable career path and contributed significantly to fostering innovation and self-reliance among aspiring engineers.

PRIZE AT STATE-LEVEL COMPETITION

A team of students from III Year Mechanical Engineering 'A' of Sankar Polytechnic College, comprising G. Esakkiraja, M. Pepseelan Seenu, P. Sudharshan, and S. Mohamed Jaffer, brought laurels to the institution by securing Second Prize with a cash award of ₹2,000 in the Innovative Project Contest held at FX Engineering College, Tirunelveli, on 27 February 2026. The students showcased their technical creativity, problem-solving abilities, and practical engineering skills through their innovative project, which impressed the judges and participants alike.



This achievement reflects the department's commitment to fostering innovation, teamwork, and project-based learning, while encouraging students to actively participate in technical competitions and showcase their talents on a larger platform.



CNC PROGRAMMING ENHANCES INDUSTRY-ORIENTED SKILLS – GUEST LECTURE



The Department of Mechanical Engineering, Sankar Polytechnic College, organized a Guest Lecture on “CNC Programming” on 27 February 2026 at the SPC Training Hall. The session was delivered by Mr. T. Subramaniam, Former Head – Training Division, SANMAR Group, who shared his extensive industrial experience and expertise in Computer Numerical Control (CNC) machining and programming. The lecture covered the fundamentals of CNC technology, programming techniques, machining operations, industrial applications, and the latest trends in manufacturing automation. Students gained valuable insights into modern machining practices and the skills required by the manufacturing industry. The interactive session strengthened their technical knowledge, improved their understanding of CNC systems, and enhanced their readiness for careers in advanced manufacturing and production engineering.

HANDS-ON TRAINING ON TIG AND MIG WELDING

The Department of Mechanical Engineering, in association with the Entrepreneurship Development Cell and Innovation Institute Tamil Nadu (EDII-TN), organized a Hands-on Training Programme on “TIG Welding & MIG Welding” on 16 September 2025 at the Mechanical Welding Workshop. The training was conducted by industry experts Mr. M. Srinivasan, Director-HR, Velan Valves India Pvt. Ltd., Mr. P. Annamalai, Manager-Manufacturing Engineering, and Mr. P. Sanju, Assistant Manager-Maintenance.



The programme provided students with practical exposure to modern welding technologies, welding equipment setup, safety practices, and industrial applications of TIG and MIG welding processes. Through live demonstrations and hands-on practice sessions, students enhanced their technical competencies and gained valuable insights into current manufacturing and fabrication techniques. The training strengthened their employability skills and bridged the gap between classroom learning and industrial requirements.

SEMINAR ON INDUSTRIAL SAFETY, ETHICS, HEALTH AND ENVIRONMENTAL AWARENESS

The Department of Mechanical Engineering, in association with the Institution of Engineers (India) Students' Chapter, organized a seminar on "Industrial Safety, Ethics, Health and Environmental Awareness" on 29 December 2025 at Dr. A.P.J. Abdul Kalam Hall. The session was delivered by Mr. T. Subramaniam, Former Head – Training Division, SANMAR Group, who shared his extensive industrial experience on workplace safety practices, professional ethics, occupational health, and environmental responsibility.



The seminar emphasized the importance of maintaining safe working conditions, adhering to ethical standards, promoting employee well-being, and adopting sustainable industrial practices. Students gained valuable insights into industry expectations and the role of engineers in ensuring safety and environmental stewardship. The programme enhanced participants' professional awareness and prepared them to become responsible and safety-conscious engineers.

INDUSTRY-INSTITUTE COLLABORATION MEET



The Department of Mechanical Engineering, Sankar Polytechnic College, organized the Industry-Institute Collaboration Meet 2026 in association with Delphi TVS Technologies on 28 February 2026 at Dr. A.P.J. Abdul Kalam Hall. The meet served as a platform to strengthen the long-standing partnership between the institution and industry for the benefit of students.

Key highlights of the programme included the distribution of scholarships to first-year students in the presence of their parents, discussions on specialized training programmes for second-year Fuel Injection Technology elective students, and interactive sessions with third-year students who secured placements in Delphi TVS during the academic year 2025–2026. The event also focused on exploring future avenues for industry-institute collaboration, skill development initiatives, internships, and career opportunities. The meet reinforced the commitment of both organizations toward enhancing technical education, employability, and industry readiness among students.

INDUSTRIAL VISIT

The Department of Mechanical Engineering, Sankar Polytechnic College, organized an Industrial Visit to the ISRO Propulsion Complex (IPRC), Mahendragiri on 18.02.2026 & 19.02.2026 for 92 students of III Year Mechanical Engineering – A&B respectively. The visit provided students with a unique opportunity to gain firsthand exposure to India's advanced space propulsion and rocket engine technologies. During the visit, students learned about the design, testing, integration, and operation of propulsion systems used in various ISRO launch vehicles and space missions.

The industrial experts explained the significance of precision engineering, quality control, research, and innovation in the aerospace sector. The visit enhanced students' technical knowledge, broadened their understanding of real-world engineering applications, and inspired them to explore career opportunities in the fields of aerospace and advanced manufacturing. The programme was coordinated by Mr. S. Selvaraj , Mr. A.C.V Sivasailam , Mr. B. Selvasundaram Mr. R. Sundhara Vadivel and Mr. S. Mari Thiraviya Raj, who guided the students throughout the visit.



MoU SIGNED



The Department of Mechanical Engineering, Sankar Polytechnic College, strengthened its industry partnership initiatives by signing a Memorandum of Understanding (MoU) with Lakshmi Ring Travellers Private Limited, a leading manufacturer of automotive and engineering components.

The MoU was signed in the presence of the management representatives of both organizations with the objective of fostering collaboration in skill development, industrial training, internships, industrial visits, expert lectures, and placement opportunities for students. This partnership aims to bridge the gap between academic learning and industrial practices by providing students with exposure to advanced manufacturing technologies and real-world engineering applications. The collaboration is expected to enhance the employability, technical competency, and industry readiness of students while promoting knowledge exchange and mutual growth between the institution and industry.

Sankar Polytechnic College strengthened its commitment to industry-oriented education by signing a Memorandum of Understanding (MoU) with HL Mando Anand India Private Limited, Chennai, on 19 August 2025. The MoU was formalized in the presence of Mr. S. Sarathi, Joint Managing Director, and Ms. K. Sabitha, Manager, representing HL Mando Anand India Private Limited.



The collaboration aims to promote academic-industry interaction through internships, industrial visits, in-plant training, guest lectures, skill development programmes, and placement opportunities for students. This strategic partnership will provide valuable exposure to advanced automotive manufacturing technologies and industry best practices, thereby enhancing students' technical competencies and employability. The MoU marks an important step toward fostering innovation, knowledge sharing, and sustainable industry-institution collaboration for the benefit of aspiring engineers.

TECHNICAL SEMINAR ON NON-DESTRUCTIVE TESTING



The Department of Mechanical Engineering, in association with the Institution of Engineers (India) Students' Chapter, organized a Technical Seminar on "Non-Destructive Testing: Industrial Applications and Certification Pathways" on 21 January 2026 at Dr. A.P.J. Abdul Kalam Hall. The seminar was delivered by Mr. S. Saravanan, Deputy Chief Engineer, Quality Assurance Group, Units 3 & 4, Kudankulam Nuclear Power Project, who shared his expertise on the significance of Non-Destructive Testing (NDT) in ensuring the safety, reliability, and quality of engineering components and structures. The session covered various NDT techniques, including ultrasonic, radiographic, magnetic particle, and dye penetrant testing, along with their industrial applications in manufacturing, power plants, aerospace, and construction sectors. The resource person also highlighted certification pathways and career opportunities available in the field of quality assurance and inspection. The seminar enhanced students' awareness of advanced testing technologies and motivated them to pursue specialized skills relevant to modern industries.

INAUGURATION OF THE MECHANICAL STUDENT ASSOCIATION

The Department of Mechanical Engineering, Sankar Polytechnic College, successfully organized “NEXMECH 2K25,” the inaugural function of the Mechanical Students Association, on 12 September 2025 at Dr. A.P.J. Abdul Kalam Seminar Hall. The programme was graced by Dr. A. Krishnaveni, Professor, Department of Mechanical Engineering, Government College of Engineering, Tirunelveli, as the Chief Guest.



In her inspiring address, she emphasized the importance of technical knowledge, innovation, leadership, and continuous learning for aspiring engineers. The event provided a platform for students to showcase their talents, exchange ideas, and actively participate in various academic and professional activities planned under the association. NEXMECH 2K25 marked the beginning of a vibrant year of technical events, fostering teamwork, creativity, and professional development among Mechanical Engineering students.

NIMIRNDHU NIL AWARENESS AND IDEA GENERATION WORKSHOP



The Department of Mechanical Engineering, in association with the Entrepreneurship Development Cell (EDII-TN) and Innovation Institute Tamil Nadu, organized the “Nimirndhu Nil Awareness and Idea Generation Workshop” on 28 January 2026 at Dr. A.P.J. Abdul Kalam Hall.

The workshop was conducted by **Mrs. V. Asha, Lecturer, Department of Mechanical Engineering, Sankar Polytechnic College**, with the objective of fostering innovation, creativity, and entrepreneurial thinking among students. The session encouraged participants to identify real-world problems, generate innovative ideas, and explore opportunities for transforming their concepts into viable projects and startups. Students were introduced to various stages of idea development, problem-solving techniques, and innovation-driven approaches that can contribute to personal and professional growth. The workshop inspired students to think creatively, develop confidence in their ideas, and actively participate in entrepreneurship and innovation-related initiatives.

PARTICIPATION IN EDII-TN TOP MANAGEMENT MEETING

Dr. A. Sankara Subramanian, Principal, and Mr. S. Chellappa, Head of the Department of Mechanical Engineering, actively participated in the Top Management Meeting on TNYIEDP – Nimirndhu Nil, organized jointly by the Entrepreneurship Development and Innovation Institute – Tamil Nadu (EDII-TN), Department of School Education, Tamil Nadu, and EDII-TN Hub, Anna University Regional Campus, Tirunelveli, on 17 September 2025 at Anna University Regional Campus, Tirunelveli.



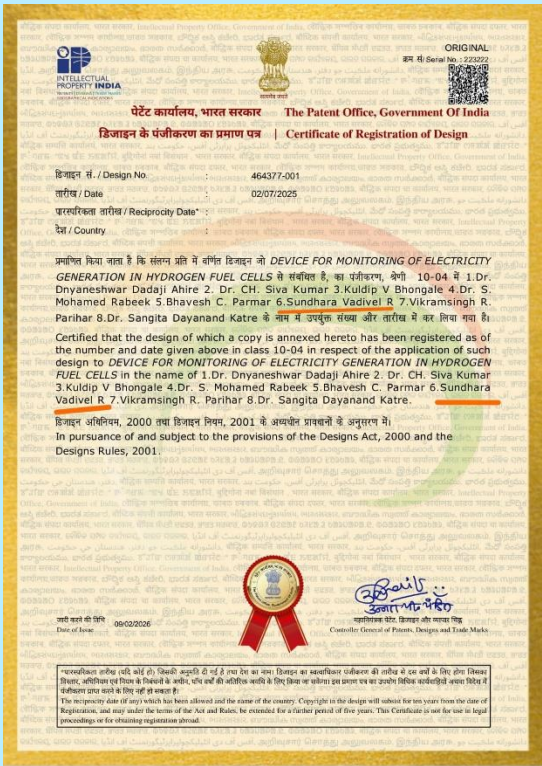
The meeting was presided over by distinguished dignitaries, including Dr. R. Sukumar, I.A.S., District Collector, Tirunelveli, and focused on promoting entrepreneurship, innovation, and student-led initiatives under the Nimirndhu Nil programme. The participants discussed strategies for fostering entrepreneurial ecosystems in educational institutions and strengthening collaboration between academia, government, and industry. The meeting provided valuable insights into implementing innovation-driven activities and entrepreneurial development programmes for students, contributing to the overall growth of the institution's entrepreneurship ecosystem.

PARTICIPATION IN ORIENTATION WORKSHOP



Mr. S. Chellappa, Head of the Department of Mechanical Engineering and Continuing Education Manager, participated in the Orientation Workshop for Continuing Education Managers organized by the Directorate of Technical Education (DoTE), Chennai, under the State Project Coordination Unit (SPCU-CICP) on 23 January 2026 at the DoTE Campus, Guindy, Chennai. The workshop aimed to orient Continuing Education Managers on the effective implementation of continuing education programmes, skill development initiatives, industry-oriented training, and lifelong learning opportunities for students and faculty members. Various sessions focused on planning, coordination, resource mobilization, and best practices for enhancing the effectiveness of continuing education activities in polytechnic institutions. The programme provided valuable insights into strengthening industry-institution interaction and promoting professional development through continuous learning. Participation in the workshop enabled the institution to further enhance its continuing education initiatives and support skill-based education in line with evolving industry requirements.

PATENT REGISTRATION



The patented design, titled “Device for Monitoring of Electricity Generation in Hydrogen Fuel Cells” (Design No. 464377-001), was officially registered on 02 July 2025 and the certificate was issued on 09 February 2026. Among the inventors, Mr. R. Sundhara Vadivel, Lecturer, Department of Mechanical Engineering, Sankar Polytechnic College, contributed to the innovative design along with researchers from various institutions. The patented device aims to monitor and analyze electricity generation in hydrogen fuel cell systems, supporting advancements in sustainable and clean energy technologies.

PERSONALITY DEVELOPMENT PROGRAMME

The Placement Cell and the Department of Mechanical Engineering, Sankar Polytechnic College, jointly organized a Personality Development Programme titled “Vetri Un Kaiyil” on 23 September 2025 at Dr. A.P.J. Abdul Kalam Hall. The programme was conducted by Ms. Pavithra, Assistant Campaign Manager, P&G Gillette, Tirunelveli, who delivered an inspiring session on personality enhancement, self-confidence, communication skills, leadership qualities, and career readiness. Through interactive activities and motivational insights, students were encouraged to develop a positive attitude, improve interpersonal skills, and build the confidence required to face academic and professional challenges.



The programme emphasized the importance of personal grooming, goal setting, and continuous self-improvement in achieving success. The session proved highly beneficial in preparing students for placements, higher studies, and future career opportunities.

ENTREPRENEURSHIP WORKSHOP

A total of 18 students from the Department of Mechanical Engineering, Sankar Polytechnic College, actively participated in the Workshop on “Ignite Your Inner Entrepreneurship” organized on the occasion of National Entrepreneur’s Day 2025 by the District Science Centre, Tirunelveli, on 18 November 2025.



The workshop provided students with valuable insights into entrepreneurship, innovation, leadership, startup development, and the importance of entrepreneurial thinking in today’s dynamic world. Through interactive sessions and motivational discussions, participants were encouraged to identify opportunities, develop creative solutions, and cultivate a mindset for self-employment and enterprise creation

INDUSTRIAL TRAINING



A five day training program on Advanced Welding Technology was conducted for the staff members of Sankar Polytechnic College, to enhance the theoretical knowledge and practical skills related to welding. This training covers the table of contents about welding, safety practices, symbols used in welding, welding positions, gases used, TIG welding, MIG welding, semi automatic welding, robotic welding, welding quality inspection. This training emphasized both conceptual understanding and hands on practical exposures, enabling the staff members to align teaching with current industrial practices.

TECHNICAL SEMINAR ON ADVANCED WELDING TECHNOLOGY

The Department of Mechanical Engineering, in association with the Institution of Engineers (India) Students' Chapter, organized a Technical Seminar on "Advanced Welding Technology" on 17 February 2026 at the SPC Training Hall. The seminar was delivered by Dr. N. Raju, Additional General Manager (Retd.), BHEL, Tiruchirappalli, who shared his extensive expertise in modern welding processes and industrial fabrication technologies.



The session covered recent advancements in welding techniques, automation in welding, quality assurance, welding inspection methods, and their applications in power plants, heavy engineering, aerospace, and manufacturing industries. The resource person also highlighted industry standards, safety practices, and emerging career opportunities in the field of welding engineering. The seminar provided students with valuable insights into current industrial trends and enhanced their understanding of advanced manufacturing technologies, thereby strengthening their technical competence and industry readiness.

SOFT SKILLS TRAINING ON MANUFACTURING EXCELLENCE



The Training and Placement Cell of Sankar Polytechnic College organized a Soft Skills Training Programme on “Manufacturing Excellence” for the students of the Department of Mechanical Engineering on 23 February 2026 at Dr. A.P.J. Abdul Kalam Hall. The programme was designed to enhance the professional competencies and workplace readiness of Mechanical Engineering students by focusing on key areas such as effective communication, teamwork, leadership, problem-solving, time management, and quality consciousness. The training also highlighted the importance of productivity, discipline, continuous improvement, and professional ethics in modern manufacturing industries. Through interactive sessions and industry-oriented discussions, students gained valuable insights into the expectations of employers and the skills required to succeed in competitive industrial environments. The programme significantly contributed to improving students’ confidence, employability, and preparedness for careers in the manufacturing sector.

Founder's Day

Sankar Polytechnic College celebrated its Founder's Day with great enthusiasm and reverence on January 30, 2026, commemorating the vision and values of its founder while recognizing academic excellence and student achievements. The occasion served as a platform to appreciate students who have demonstrated exceptional dedication and commitment in their academic and co-curricular pursuits. Adding pride to the Department of Mechanical Engineering, three students were honoured with the prestigious Best Student Award during the celebration. Mr. K. Selva Vigneshwaran from III Year Mechanical Engineering and Mr. Murgeshan and Mr. T. Thirumal from II Year Mechanical Engineering received the awards in recognition of their outstanding academic performance, discipline, leadership qualities, and active participation in departmental activities. Their achievements reflect the department's commitment to nurturing technically competent, responsible, and motivated professionals.



FACULTY DEVELOPMENT PROGRAM – PIPE DESIGN



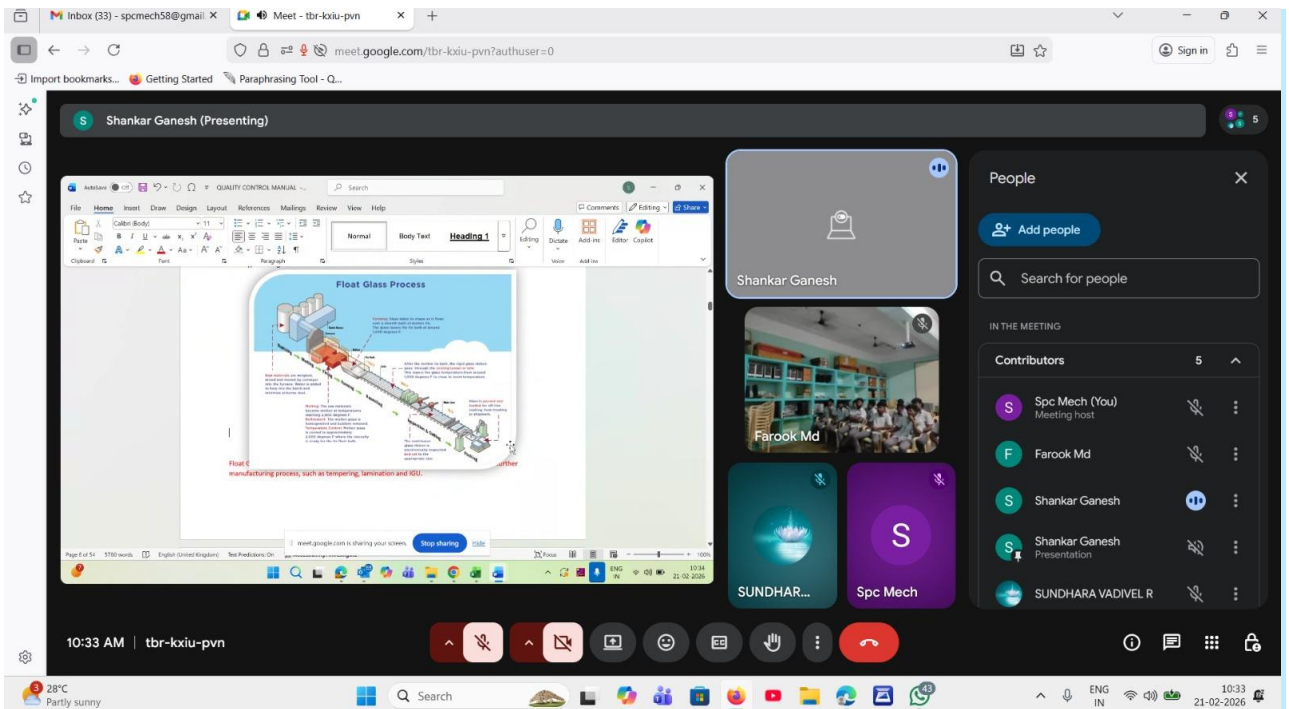
The Department of Mechanical Engineering, Sankar Polytechnic College, successfully organized a Faculty Development Program (FDP) on “Piping Design” under the Naan Mudhalvan Upskilling Scheme, sponsored by the Tamil Nadu Skill Development Corporation (TNSDC), from 15 December 2025 to 20 December 2025. Conducted for faculty members of South Zone II – Mechanical and Allied Courses, the programme was held at the Process Automation Laboratory and featured Dr. Venkatesh Radhakrishnan, L&T EduTech, as the resource person. The FDP provided in-depth knowledge on piping systems, design principles, industrial standards, process plant layouts, piping components, and software applications used in modern engineering industries. Through expert lectures, practical demonstrations, and interactive sessions, participants enhanced their technical competencies and gained valuable exposure to industry-relevant practices. The programme contributed significantly to faculty skill enhancement and strengthened the integration of current industrial technologies into engineering education.

TECHNICAL SEMINAR ON FUEL INJECTION TECHNOLOGY



The Department of Mechanical Engineering, in association with the Institution of Engineers (India) Students' Chapter, organized a Technical Seminar on "Fuel Injection Technology" on 19 February 2026 at the SPC Training Hall. The seminar was delivered by Mr. R. Kuthalingam, Eddy Power Cell Private Limited, Hosur, and distinguished alumnus (1986–1989) of Sankar Polytechnic College. Drawing upon his extensive industrial experience, the resource person provided valuable insights into the principles, evolution, and applications of modern fuel injection systems used in automotive and industrial engines. The session covered key topics such as fuel delivery mechanisms, electronic fuel injection systems, performance optimization, emission control technologies, and recent advancements in engine management systems. The seminar enhanced students' understanding of contemporary automotive technologies and highlighted the importance of fuel injection systems in improving engine efficiency, fuel economy, and environmental sustainability. The interaction also inspired students by showcasing the achievements of a successful alumnus in the engineering industry.

TECHNICAL SEMINAR ON GLASS PROCESSING TECHNOLOGY



The Department of Mechanical Engineering, in association with the Institution of Engineers (India) Students' Chapter, organized a Technical Seminar on "Glass Processing Technology" on 18 February 2026 through virtual mode at the AutoCAD Laboratory. The seminar was delivered by Mr. Shankar Ganesh, AGM – Quality, FUSO Group, who shared his extensive knowledge and industrial experience in modern glass manufacturing and processing technologies. The session covered various aspects of glass production, processing techniques, quality assurance practices, testing methods, and industrial applications in automotive, construction, and engineering sectors. The resource person also highlighted recent advancements in glass technology, industry standards, and quality management systems followed in leading manufacturing organizations. The seminar provided students with valuable exposure to a specialized field of manufacturing and enhanced their understanding of industrial processes, quality control, and emerging career opportunities in the glass processing industry.

TECHNICAL SEMINAR ON Non-Destructive Testing (NDT)



The Department of Mechanical Engineering, in association with the Institution of Engineers (India) Students' Chapter, organized a Technical Seminar on "Non-Destructive Testing (NDT)" on 18 February 2026 at the SPC Training Hall. The seminar was delivered by Dr. N. Raju, Additional General Manager (Retd.), BHEL, Tiruchirappalli, who shared his extensive industrial expertise in quality assurance and inspection technologies. The session provided a comprehensive overview of various NDT methods, including ultrasonic testing, radiographic testing, magnetic particle testing, and dye penetrant testing, highlighting their significance in detecting defects without causing damage to components. The resource person emphasized the critical role of NDT in ensuring product quality, reliability, safety, and compliance with industrial standards across sectors such as power generation, manufacturing, aerospace, oil and gas, and heavy engineering. The seminar enhanced students' technical knowledge and created awareness about career opportunities and certification pathways in the field of Non-Destructive Testing.

INDUSTRIAL VISIT



The Department of Mechanical Engineering and Civil Engineering organized an Industrial Visit to Vinayaga Glass Industries on 05 February 2026 for second-year students. A total of 31 students accompanied by three faculty members participated in the visit. The students were guided by Mr. G. Mani, Production In-charge, who provided detailed insights into the glass manufacturing process and industrial operations. During the visit, students observed modern production facilities, automated machinery, material handling systems, quality control procedures, and safety practices followed in the industry. The visit enabled students to bridge the gap between theoretical concepts and real-world industrial applications while enhancing their understanding of manufacturing processes, plant operations, and workplace practices.

PARTICIPATION IN SPORTS



The Table Tennis team of Sankar Polytechnic College participated in the IPAA Tirunelveli Divisional Sports and Games Meet held at SCAD Polytechnic College, Cheran Mahadevi, on 19 September 2025. Demonstrating exceptional skill, teamwork, and determination throughout the tournament, the team delivered an outstanding performance and emerged as the Winners of the Table Tennis Championship. The achievement reflects the students' dedication, rigorous practice, and competitive spirit. The victory has brought pride and recognition to the institution and serves as an inspiration to fellow students to actively participate in sports and co-curricular activities. The Management, Principal, faculty members, and students of Sankar Polytechnic College congratulate the team on this remarkable accomplishment and wish them continued success in future tournaments.

STUDENT ACHIEVEMENT - BEST BOWLER



Selvan. Nikhil Vignesh, I Year Mechanical Engineering student, won the “Best Bowler of the Tournament” award at the Inter College / Inter School Cricket Tournament 2026 organized by the Tirunelveli District Cricket Association. His outstanding bowling performance, consistency, and contribution to his team's success earned him this prestigious individual honor. The achievement reflects his sporting excellence, dedication, and commitment to representing the institution with distinction. The Department of Mechanical Engineering and Sankar Polytechnic College congratulate him on this remarkable accomplishment and wish him continued success in his future sporting endeavors.

BEST NSS UNIT AWARD



Sankar Polytechnic College has been conferred with the Best NSS Unit Award in recognition of its exemplary contribution to community development, social service, and NSS activities. The award was received by Dr. A. Sankara Subramanian, Principal, and Mr. S. Selvaraj, NSS Programme Officer, on behalf of the institution. This prestigious recognition reflects the dedicated efforts of the NSS unit in organizing various social outreach programmes, environmental awareness campaigns, blood donation camps, health initiatives, and community welfare activities. The achievement stands as a testament to the commitment of the institution, NSS volunteers, and faculty members towards fostering social responsibility and nation-building among students. The college takes pride in this accomplishment and remains committed to continuing its service-oriented activities for the betterment of society.

INDUSTRIAL TRAINING



A six-day industrial visit was organized to Delphi TVS Mannur Plant and Oragadam Plant from 18/08/2025 to 23/08/2025 for Mechanical Engineering students, accompanied by faculty members Mr. S. Selvaraj, Mr. Guna A, and Mr. A. Natarajan. The visit began with an introduction to the company's history, vision, and operations, along with a detailed safety briefing. Students were introduced to fuel injection systems, emission standards (BS1-BS6), and driving cycles such as NEDC and MIDC. Technical sessions covered key components like pump, rail, injector, ECU, and various sensors, along with their working principles and calibration processes.

Students also gained exposure to ECU functioning, VISU software for data acquisition, injector characteristics, and filtration systems. Guided industrial visits included the Emission Lab, Engine Testing Lab, Pump Testing Lab, Validation Lab, and Common Rail Manufacturing Unit, providing practical understanding of testing and validation procedures. At the Oragadam plant, students observed the high-pressure pump assembly process, injector assembly, and common rail manufacturing operations, along with advanced testing methods such as flushing, pressure testing, and validation checks in clean-room environments.

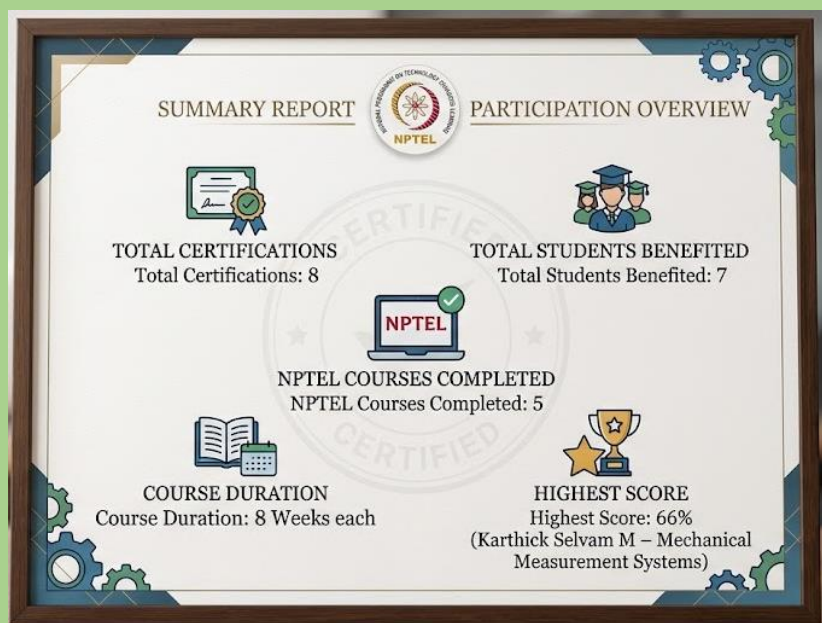
The visit also included demonstrations of filter manufacturing, quality control processes, and production line operations, helping students understand industrial standards and precision engineering practices. Overall, the industrial visit provided valuable exposure to modern automotive fuel injection technology, manufacturing systems, and quality assurance processes, effectively bridging the gap between academic learning and industrial applications.

Industrial Training Programme



This four-day Faculty Training Programme focused on equipping educators with hands-on expertise in computer numerical control (CNC) systems, bridging the gap between theoretical engineering concepts and modern industrial practices. Hosted at the manufacturing facilities of Lakshmi Ring Travellers Pvt. Ltd. in Coimbatore, the training covered core competencies in CNC programming, including G-codes and M-codes, tooling selection, and component design, alongside practical operational sessions on turning and milling machinery. By exposing participants to real-world production environments and industrial precision standards, the programme provided valuable insights into automated manufacturing workflows, quality control, and troubleshooting, directly enhancing the faculty's ability to deliver industry-aligned curriculum and mentor students in advanced manufacturing technologies.

NPTEL



Industrial Training



This five-day industrial training programme, undertaken by faculty from Sankar Polytechnic College at the FUSO Glass Industry Pvt Ltd plant in Irungattukottai from December 15 to 19, 2025, provided comprehensive theoretical and hands-on exposure to advanced glass processing technologies. The curriculum systematically covered foundational pre-processing techniques, raw material handling, and safety practices on the first day, followed by specialized deep-dives into tempered glass analysis, Insulated Glass Units (IGU) manufacturing, and laminated glass technologies. Throughout the program, faculty members actively performed critical industry tests—including fragmentation, optical zebra, sealant hardness, pummel, and impact tests—culminating in advanced costing and tensile strength evaluations on the final day. Ultimately, this immersive visit successfully bridged the gap between academic theory and modern industrial workflows, equipping the teaching staff with the practical insights and technical confidence necessary to align classroom instruction with current manufacturing standards.

DEPARTMENT OF MECHANICAL ENGINEERING ACADEMIC YEAR 2025-2026

TOPPERS (OCT 2025)

S.No	Name of the Student	Year of Study
1	AHAMED RIYAZ A	I
2	HARIKARAN R	II
3	SHIVA RAM S	III

TOPPERS (APR 2026)

S.No	Name of the Student	Year of Study
1	VARSHA B	I
2	MAHESH S	II
3	THIRUMAL N	III



OUTSTANDING PLACEMENT ACHIEVEMENT



SANKAR POLYTECHNIC COLLEGE

A Government Aided, Autonomous Institution, Approved by AICTE & Affiliated To DoTE
Sankar Nagar -627357, Tirunelveli Managed by : SANKAR EDUCATIONAL TRUST

MECHANICAL DEPARTMENT PLACEMENT-2025-2026

TVS MOTOR COMPANY LTD (SALARY - 1,80,000 PER ANNUM)					TITAN ENGINEERING & AUTOMATION LTD (SALARY - 2,10,000 PER ANNUM)					ASHOK LEYLAND LTD (SALARY - 18,00,000 PER ANNUM)					MOTHERSON ELECTRONIC COMPONENTS PVT LTD (SALARY - 2,20,000 PER ANNUM)					KVB MOTORCYCLE SUSPENSION INDIA PVT LTD (SALARY - 1,60,000 PER ANNUM)				
BHARAT FORGE LTD (SALARY - 1,80,000 PER ANNUM)					BORGWARNER MORSE SYSTEMS INDIA PVT LTD (SALARY - 1,60,000 PER ANNUM)					DELPHI TVS TECHNOLOGIES LTD (SALARY - 18,00,000 PER ANNUM)					NISSEL ELECTRIC INDIA LTD (SALARY - 1,20,000 PER ANNUM)									
HYUNDAI MOTOR INDIA LIMITED (SALARY - 18,00,000 PER ANNUM)					TVS TRAINING AND SERVICES (SALARY - 1,60,000 PER ANNUM)					HL MANDO ANAND INDIA PVT LTD (SALARY - 18,00,000 PER ANNUM)					LAKSHMI TRAVELLERS (COIMBATORE) PVT LTD (SALARY - 1,60,000 PER ANNUM)					SAINT GOBAIN PVT LTD (SALARY - 1,80,000 PER ANNUM)				
JOHNSON LIFTS PVT LTD (SALARY - 1,60,000 PER ANNUM)																								

The Department of Mechanical Engineering, Sankar Polytechnic College, has achieved a remarkable milestone in campus placements during the academic year 2025-2026. Through continuous industry interaction, skill development programs, technical training, and placement-oriented activities, Mechanical Engineering students secured employment opportunities in several reputed industries.

Leading recruiters included TVS Motor Company Ltd., Titan Engineering & Automation Ltd., Ashok Leyland Ltd., Motherson Electronics Components Pvt. Ltd., KVB Motorcycles Suspension India Pvt. Ltd., Bharat Forge Ltd., BorgWarner Morse Systems India Pvt. Ltd., Delphi TVS Technologies Ltd., Nissel Electric India Ltd., Hyundai Motor India Ltd., TVS Training and Services, HL Mando Anand India Pvt. Ltd., Johnson Lifts Pvt. Ltd., Lakshmi Travellers (Coimbatore) Pvt. Ltd., and Saint-Gobain Pvt. Ltd.

The department received a total of 132 placement offers from various organizations, with salary packages ranging from ₹1.80 LPA to ₹3.8 LPA. This achievement reflects the technical competence, employability skills, and dedication of the students, as well as the sustained efforts of the Placement Cell and the Department of Mechanical Engineering.

Mechanical Engineering Placement Highlights

- Academic Year: 2025-2026
- Total Placement Offers Received: 132
- Highest Salary Package: ₹3.8 LPA
- Major Recruiters: TVS Motor, Ashok Leyland, Hyundai Motor India, Titan Engineering & Automation, BorgWarner, Delphi TVS, HL Mando Anand, Saint-Gobain, Bharat Forge and others.

The outstanding placement performance demonstrates the department's strong industry linkage and commitment to producing highly skilled, industry-ready diploma engineers.

STUDENT ACHIEVEMENT - PAPER PRESENTATION



Selvan. N. Thirumal and Selvan. V. Patturaja, students of III Year Mechanical Engineering, Sankar Polytechnic College, secured the Second Prize in the Paper Presentation Competition conducted as part of the 13th ISTE Polytechnic Convention 2026 held on 07 March 2026.

The students presented their technical paper with confidence and demonstrated sound knowledge, innovative thinking, and effective presentation skills before the panel of judges and participants from various institutions. Their outstanding performance earned them the prestigious second prize and brought recognition to the Department of Mechanical Engineering and the institution.

STUDENT ACHIEVEMENT - PROJECT CONTEST



A team of students from the Department of Mechanical Engineering, Sankar Polytechnic College, secured the Second Prize in the Project Contest conducted as part of the 13th ISTE Polytechnic Convention 2026 held on 07 March 2026.

The winning team comprised Selvan. G. Esakkiraja, Selvan. M. Pepseelan Seenu, Selvan. M. Mohamed Jaffer Sathik, and Selvan. P. Sudarshan. The students showcased their innovative project before a panel of experts and participants from various polytechnic institutions. Their project was highly appreciated for its technical relevance, innovation, practical applicability, and effective presentation.

ARTICLE

நெக்ஸ்ட் ஜெனரேஷன் டெக்னாலஜி

உலகம் வேகமாக மாறிக்கொண்டிருக்கிறது. நம்மைச் சுற்றியுள்ள ஒவ்வொரு விஷயமும் புதிய தொழில்நுட்பத்தால் மாற்றம் அடைகிறது. இது தான் நெக்ஸ்ட் ஜெனரேஷன் டெக்னாலஜி. இது வெறும் புதிய கருவிகள் அல்லது கேஜெட்கள் மட்டும் அல்ல. மனித வாழ்க்கையை எளிமையாக, சிறப்பாகவும், புத்திசாலித்தனமாகவும் மாற்றும் புதிய சிந்தனைகளும், கண்டுபிடிப்புகளும் ஆகும்.

நெக்ஸ்ட் ஜெனரேஷன் டெக்னாலஜி என்றால் என்ன?

எதிர்காலத்தை உருவாக்கும் புதிய மற்றும் மேம்பட்ட தொழில்நுட்பங்கள், அமைப்புகள் மற்றும் முறைகள் நெக்ஸ்ட் ஜெனரேஷன் டெக்னாலஜி எனப்படும். இதில் ஆர்.டி.ஓ.பி.யில் இன்டெலிஜென்ஸ் (AI), இன்டர்நெட் ஆஃப் திங்ஸ் (IoT), ரோபாடிக்ஸ், 3D பிரிண்டிங், 5G டெக்னாலஜி, பிளாக்செயின், புதுப்பிக்கத்தக்க ஆற்றல் தொழில்நுட்பங்கள் மற்றும் பல அடங்குகின்றன.

முக்கிய நெக்ஸ்ட் ஜெனரேஷன் தொழில்நுட்பங்கள்

- **ஆர்.டி.ஓ.பி.யில் இன்டெலிஜென்ஸ் (AI):**
இயந்திரங்கள் மனிதர்களைப் போல சிந்தித்து முடிவெடுக்க உதவுகிறது. இது குரல் உதவியானர், செல்கிப் டிரைவிங் காரர்கள், மருத்துவ கண்டறிதல் போன்ற பல துறைகளில் பயன்படுகிறது.
- **இன்டர்நெட் ஆஃப் திங்ஸ் (IoT):**
இணையத்துடன் இணைக்கப்பட்ட சாதனங்கள் ஒன்றுடன் ஒன்று தகவல் பரிமாறிக்கொண்டு வேலை செய்வதை இது உறுதி செய்கிறது. ஸ்மார்ட் நேரம், ஸ்மார்ட் சிட்டி, ஆரோக்கிய கண்காணிப்பு ஆகியவற்றில் இது பயன்படுகிறது.
- **ரோபாடிக்ஸ்:**
மனித உழைப்பு தேவைப்படும் அல்லது ஆபத்தான வேலைகளை ரோபோட்டுகள் செய்து முடிக்கின்றன. தொழிற்சாலைகள், மருத்துவமனைகள், விண்வெளி ஆய்வு போன்ற துறைகளில் இவை முக்கிய பங்கு வகிக்கின்றன.
- **3D பிரிண்டிங்:**
ஒரு பொருளை அடுக்கடுக்காக அச்சிட்டு உருவாக்கும் முறை இது. மருத்துவ சாதனங்கள், காரர்கள் பாகங்கள், விடுகள் வரை இதை கொண்டு உருவாக்க முடிகிறது.
- **5G டெக்னாலஜி:**
வேகமான இணையம் மற்றும் குறைந்த தாமதத்துடன் கூடிய தொடர்பு. இது கல்வி, மருத்துவம், தொழில், பொழுதுபோக்கு மற்றும் பல துறைகளில் பெரிய மாற்றத்தை கொண்டு வரும்.
- **பிளாக்செயின்:**
தகவல்களை பாதுகாப்பாக பதிவு செய்து வைத்திருக்க உதவும் தொழில்நுட்பம். வங்கி, வர்த்தகம், டிஜிட்டல் நாணயம் போன்ற துறைகளில் இது பயன்படுகிறது.
- **புதுப்பிக்கத்தக்க ஆற்றல் தொழில்நுட்பங்கள்:**
சூரிய ஆற்றல், காற்றாலை ஆற்றல் போன்றவை சற்றுச்சூழல் மாசை குறைத்து, எதிர்காலத்திற்கு நிலையான ஆற்றலை வழங்கும்.

நெக்ஸ்ட் ஜெனரேஷன் டெக்னாலஜியின் பயன்கள்

- நமது தினசரி வாழ்க்கையை எளிதாக்குகிறது.
- வேலைகளை வேகமாகவும் துல்லியமாகவும் செய்கிறது.
- சிறந்த முடிவெடுக்க உதவுகிறது.
- புதிய வேலை வாய்ப்புகள் மற்றும் தொழில் வாய்ப்புகளை உருவாக்குகிறது.
- புதுமை மற்றும் படைப்பாற்றலை ஊக்குவிக்கிறது.

பயன்பாடுகள்

- மருத்துவம்: நோய்களை விரைவாக கண்டறிதல், நிதாஸ்ஸில் (தொலைவில்) சிகிச்சை, ரோபோ அறுவை சிகிச்சை.
- கல்வி: ஆன்லைன் கற்றல், மெய்நிகர் வகுப்பறை, தனிப்பட்ட கற்றல் அனுபவம்.
- தொழில்: உற்பத்தி அதிகரித்தல், செலவு குறைத்தல், தானியங்கி முறை.
- விவசாயம்: ஸ்மார்ட் பாசனம், மண் பரிசோதனை, பயிர் கண்காணிப்பு.
- போக்குவரத்து: எலக்ட்ரிக் வாகனங்கள், ஸ்மார்ட் போக்குவரத்து முறை, சுய இயக்க வாகனங்கள்.

சவால்கள்

- புதிய தொழில்நுட்பங்கள் அதிக செலவு உடையவை.
- அதனை பயன்படுத்த திறமையான மனிதவள தேவை.
- தகவல் பாதுகாப்பு மற்றும் தனியுரிமை பிரச்சினைகள்.
- சில வேலைகள் தானியங்கமாக மாறுவதால் வேலை இழப்பு ஏற்படும்.
- தவறாக பயன்படுத்தும் வாய்ப்பு இருக்கிறது.

முடிவுரை

நெக்ஸ்ட் ஜெனரேஷன் டெக்னாலஜி என்பது எதிர்காலத்தின் அடித்தளம். இது பல நன்மைகளை தரினனும், அதன் சவால்களை சரியாக கையாள வேண்டும். சரியான அறிவு, நல்ல சிந்தனை மற்றும் பொறுப்பான பயன்பாடு இருந்தால், இந்த தொழில்நுட்பங்கள் மனித வாழ்க்கையை இன்னும் சிறப்பாக மாற்றும். நாம் கற்றுக் கொண்டு, புதுமைகளை ஏற்று, நமது எதிர்காலத்தை நாமே உருவாக்க வேண்டும்.

K. Santhosh

Third Year Mechanical Engineering
A Section

ARTICLE



3D Printing Technology – The Future of Manufacturing

In today's fast-moving world, technology is changing the way we design and manufacture things. One such revolutionary technology is 3D printing, also known as Additive Manufacturing. It is quickly becoming an important part of modern engineering and industrial applications. From simple products to complex components, 3D printing is redefining the future of manufacturing.

What is 3D Printing?

3D printing is a process of creating three-dimensional objects by adding material layer by layer based on a digital design. The design is first made using computer-aided design (CAD) software, and the 3D printer builds the object using materials such as plastic, metal, resin or composite. Unlike traditional methods that cut or remove material, 3D printing adds only what is needed. This reduces waste and allows freedom in design.

Applications in Various Industries

3D printing is used in many industries due to its flexibility, accuracy and cost efficiency.

- **Automotive:** Used for making prototypes, spare parts and customized tools.
- **Aerospace:** Helps in producing lightweight components and complex parts.
- **Healthcare:** Used for dental models, artificial limbs, implants and surgical instruments.
- **Mechanical Engineering:** Useful in prototyping, product development and functional testing.
- **Construction:** 3D printing is now being used to build walls and even houses in some parts of the world.

Advantages

3D printing offers several advantages compared to traditional manufacturing methods.

- Reduces material waste
- Lower production cost for small quantities
- Capable of producing complex geometries
- Faster prototyping and product development
- Easy customization as per requirement
- Supports innovation and creativity

Challenges

Despite its many benefits, 3D printing also has some challenges.

- High cost of industrial 3D printers
- Limited material strength in some cases
- Slower process for large scale production
- Need for skilled operators and good software knowledge
- Quality control is important for better results

Future Scope

The future of 3D printing looks very promising. With continuous research and development, new materials and advanced printers are being introduced. Soon, we can expect 3D printing to be more affordable, faster and stronger. It will play a key role in industries, healthcare, space exploration and even daily life products.

Conclusion

3D printing technology is more than just a new way of making products. It is a step towards the future. It helps engineers and designers turn their ideas into real objects quickly and efficiently. As this technology continues to evolve, it will create endless possibilities and opportunities for innovation and growth.

A. Vimalraj

First Year Mechanical Engineering
A Section

ARTICLE

கவிதை

மெக்கானிக்கல் துறை

வியர்வை துளியால் வளர்ந்த துறை,
வெற்றியின் பாதை காட்டும் துறை.
இயந்திரத்தின் இதயம் போல
இயங்கிக் கொண்டே இருக்கும் துறை.

சக்கரம் சுழலும் ஒவ்வொரு நேரமும்
எங்கள் உழைப்பு பேசிக் கொண்டே இருக்கும்.
சின்ன போல்ட் முதல் பெரிய மெஷின் வரை
மெக்கானிக்கலின் தடம் பதிந்திருக்கும்.

வரைபடத்தில் தொடங்கும் கனவு,
வாழ்க்கையில் உருவாகும் புதுமை.
கற்பனையை நிஜமாக்கும் சக்தி,
மெக்கானிக்கல் துறையின் வெற்றி.

இரும்பையும் உயிர்ப்பிக்கும் கலை,
இளைஞர்களை உயர்த்தும் வழி.
கஷ்டத்தை பார்த்து பயப்படாமல்,
முயற்சியால் முன்னேறும் மொழி.

தொழிற்சாலை சத்தம் கேட்டாலும்,
அதில் ஒரு இசை இருக்கும்.
அந்த இசையின் பின்னாலே
ஒரு மெக்கானிக்கல் மாணவன் இருப்பான்.

நாடு வளர தொழில் வேண்டும்,
தொழில் வளர இயந்திரம் வேண்டும்.
இயந்திரம் வளர மெக்கானிக்கல் வேண்டும்,
அதனால் இந்த துறைக்கு என்றும்
மதிப்பு வேண்டும்.

கைகளை கருப்பாக்கும்
உழைப்பு இருந்தாலும்,
எதிர்காலத்தை வெளிச்சமாக்கும்
துறை இது.

படிக்கும் ஒவ்வொரு மாணவனின்
கனவிலும்
பெருமையாக நிற்கும் பெயர் —
“மெக்கானிக்கல் இன்ஜினியரிங்”.



K. Satheesh

Third Year
Mechanical Engineering
A Section