



# **THIAGARAJAR POLYTECHNIC COLLEGE ALAGAPPANAGAR**

[APPROVED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION]  
(UNDER STATE BOARD OF TECHNICAL EDUCATION KERALA &  
DIRECTOR OF TECHNICAL EDUCATION KERALA)  
PH: 04802751346

**2024-25**

**DEPARTMENT OF MECHANICAL ENGINEERING**

# **TORQUE TIMES**

**VOLUME-4 EDITORIAL BOARD: MR BEN AUSTIN B ALAPATT (LR),ATHULKRISHNA**

# Vision

To be a center of excellence in shaping skilled, self-driven, and socially responsible Mechanical Engineers.

# Mission

- To provide theoretical and practical hands-on education in mechanical engineering machines and tools.
- To promote ethical practices, social values, teamwork, and lifelong learning among students.
- To participate in the development in accordance with societal demands through internship, innovation and industry interaction.

## VOICE OF PRINCIPAL



We are all fairly familiar with the phrase "success." Success is undoubtedly hidden everywhere, but it is only revealed when all requirements are met by the applications. Numerous anecdotes demonstrate how success was attained in Thigarajar's fertile soil and how it provided scientific benefits to the world's population. Our motto since the beginning of college has been "work is worship." On this lovely campus, we want to mould engineering aspirants to confident professionals they need to succeed in this cutthroat world through integrated development. This college can create success stories if it continues to improve.

## VOICE OF HOD



As the Head of the Mechanical Engineering Department, I take great pride in highlighting the legacy and growth of our department, which was established in 1957. Over the decades, we have built a strong tradition of excellence in education and research. From the beginning, our focus has been on fostering innovation and nurturing highly skilled professionals in the field of mechanical engineering. Our department has continuously evolved, embracing modern technologies and pedagogical advancements while staying grounded in core engineering principles and values. Thanks to the unwavering commitment of our faculty, staff, and students, we remain at the forefront of shaping the future of mechanical engineering. We are dedicated to preparing the next generation of leaders and innovators, equipped to tackle the dynamic challenges of the modern world



## “Mobilizing Others to Achieve Purpose Under Conditions of Uncertainty , What Leaders Do , Challenges the Hands, the Head, and the Heart.”



The Department of Mechanical Engineering , hosted an inspiring leadership development session on Thursday, 19th December 2024. The session was titled “**Mobilizing Others to Achieve Purpose Under Conditions of Uncertainty – What Leaders Do – Challenges the Hands, the Head, and the Heart.**” The keynote speaker for the event was Mr. Dunant Ponnary, Executive Vice President of Onshore Group of Companies, a renowned multinational corporation recognized globally for its excellence across diverse industrial sectors.

## “Scope and Challenges in Vehicle Service System”

The Department of Mechanical Engineering organized an insightful technical session on “**Scope and Challenges in Vehicle Service System**” on Friday, 31st January 2025, at the college seminar hall. The resource person for the session was Mr. Gopakumar M, Academic Coordinator at Mahindra TCR Division, who brought with him a wealth of industry experience and academic insight.. He discussed various scopes for career growth in the vehicle servicing domain and the importance of integrating academic knowledge with real-time industry practices.



## “Explore the Future of Mechanical Design and Manufacturing”



The Department of Mechanical Engineering at Thiagarajar Polytechnic College, Alagappanagar, organized a forward-looking expert session titled “**Explore the Future of Mechanical Design and Manufacturing**” on Thursday, 6th February 2025. The event featured two distinguished professionals from CAD CENTRE, Irinjalakuda – Mr. Vineeth Narayanan, BIM (Building Information Modeling) Expert, and Ms. Nafla K S, 3D Visualization Expert – who shared cutting-edge insights into evolving technologies and practices shaping the future of mechanical engineering.

## Lathe xpert 1st prize



The Department of Mechanical Engineering at Thiagarajar Polytechnic College proudly congratulates **Sarang M A**, a 6th Semester Mechanical Engineering student, for securing First Prize in the prestigious “**Lathe Xpert**” competition held at Government Polytechnic College, Kunnankulam.

The competition was aimed at testing students' hands-on skills in lathe operation, precision machining, and tool handling under time constraints. Sarang impressed the judges with his accuracy, speed, and technical mastery over lathe machining operations.

## 1st prize in CADMANIA

The Department of Mechanical Engineering at Thiagarajar Polytechnic College is delighted to announce that **Navaneeth Krishna**, a student of 6th Semester Mechanical Engineering, has secured the First Prize in the “**CADMANIA**” competition held at Government Polytechnic College, Kunnankulam.

The event showcased participants' skills in computer-aided design (CAD), where competitors were evaluated on creativity, accuracy, technical knowledge, and speed in developing mechanical design models using industry-standard software. Navaneeth Krishna demonstrated exceptional proficiency and innovative thinking, impressing the judges with his detailed and precise design execution.



## Gaming expert 1st prize



The Department of Mechanical Engineering at Thiagarajar Polytechnic College is proud to announce that **Jeswin P J**, a talented 6th Semester student, has secured First Prize in the **Gaming Expert** event held at Government Polytechnic College, Kunnankulam.

The event, which drew participants from various polytechnic institutions, tested students' skills in strategic gameplay, real-time decision-making, and digital coordination. Jeswin stood out with his remarkable performance, showcasing excellent reflexes, game sense, and a calm, focused approach under competitive pressure.

# “Integration of CAD/CAM with CNC Machines”

The Department of Mechanical Engineering at Thiagarajar Polytechnic College, Alagappanagar, organized a technical session on “**Integration of CAD/CAM with CNC Machines**” on Wednesday, 12th February 2025. The event was specially arranged for the benefit of Semester 6 Mechanical Engineering students, aiming to enhance their understanding of modern manufacturing technologies.

The session was led by Mr. Karthik G, a Professional CADD Expert from RAGA Tech Source Pvt. Ltd., who brought deep industry knowledge and real-time applications into the classroom.



## College Organizes Ideation Session for Budding Innovators



The Department of Mechanical Engineering at Thiagarajar Polytechnic College, Alagappanagar, successfully conducted a creativity-focused session titled “**Ideation**” on Monday, 3rd March 2025. The event was specially arranged for Semester 4 students, aiming to stimulate their innovative thinking and problem-solving skills.

The session was led by Mr. Akhil Madav, a distinguished resource person known for his work in idea generation, innovation facilitation, and design thinking practices. His session focused on nurturing a creative mindset, identifying real-world problems, and transforming those into potential solutions.

## “Students Engine Assembly Workshop”

The Department of Mechanical Engineering at Thiagarajar Polytechnic College, Alagappanagar, organized a practical workshop titled “**Students Engine Assembly Workshop**” on 5th February 2025. The workshop was specifically designed for Semester 6 students, offering them a valuable hands-on experience in internal combustion (IC) engine components and assembly procedures.

The objective of the workshop was to bridge the gap between theoretical learning and practical application in engine mechanics. Under the guidance of faculty members and lab instructors, students worked in teams to dismantle and reassemble various parts of an IC engine, gaining first-hand knowledge of engine structure, working principles, and mechanical coordination.





# SGPA TOPPERS

## 2024 NOVEMBER RESULT

### MECHANICAL DEPARTMENT

#### SEM 1



ABHISHEK T S  
(9.22)



GAGAN S MENON  
(9.00)



BRITTO JOY  
(8.44)



DHARSIDH P S  
(8.37)



SANAL P R  
(8.27)



ALLEN JOSHY  
(8.22)

#### SEM 3



MADHAV SURESH C S  
(9.16)



JOHNPAUL ROY  
(8.89)



SACHIN M J  
(8.84)



YUDHAJITH C JAYAN  
(8.50)



ATHULKRISHNA  
(8.50)



DEEPAK DILEEP  
(8.07)

#### SEM 5



AKSHAY KUMAR C S  
(8.95)



NAVANEETH KRISHNA  
(8.68)



ABHIJITH P A  
(8.49)



SANJAL K S  
(8.37)



JOEL JOHN  
(8.80)



JOE POLY  
(8.61)



AKSHAY SEKHARAN  
(8.41)



SARANG M A  
(8.02)



ANEX SHAJI  
(8.80)



JISHNUKUMAR E D  
(8.54)



ABHINAV V S  
(8.39)



CHRISTY C. BYJU  
(8.02)

*Congratulations*

# INTER POLY ATHLETICS MEET



**2022-2025 BATCH OF MECHANICAL  
ENGINEERING**

