



Department of Mechatronics Engineering

International Conference

"ADVANCES IN MECHATRONICS SYSTEMS AND AUTOMATION TECHNOLOGIES"
(AMSAT 2025)

Topics

- Integration with Industry 4.0
- AI and Machine Learning in Automation
- Smart Robotics and Soft Robotics
- Reconfigurable and Modular Systems
- Energy and Resource Efficiency
- Advanced Control Systems
- Smart Agricultural systems
- Advances in Material Science
- EV- Battery Thermal Management Systems
- Energy storage and conversion materials
- Control system
- Embedded system
- Machine vision system
- Electronics, Information and Control Systems
- Internet of Things (IOT)



6 & 7 March, 2025

QR Code
Registration



Selected best papers will be recommended and published in Web of Science, SCI indexed journal with APC. *Terms & Conditions apply

Registration fee

- Industrialist/ Academicians / Research Scholars : Rs.3000/-
- UG/PG Students : Rs.2000/-
- Registration FEE is for Single and Co-author only and Extra Authors INR.1000/-each will be applicable.

Important Dates

Abstract Submission : 05.02.2025
Intimation of selection : 15.02.2025
Full paper submission : 17.02.2025
Payment Last date : 19.02.2025



Dr.M.Arunkumar-7010062050
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www.hicet.ac.in



VISION OF THE DEPARTMENT

To excel in Mechatronics engineering by imparting technical knowledge, innovation skills and ethics to fulfill the global needs with human values

MISSION OF THE DEPARTMENT

To impart sound technical knowledge and produce highly proficient professionals in the Mechatronics engineering domain.

To empower students with strong competency skills to solve multi-disciplinary engineering problems using Mechatronics approach.

To inculcate human values and ethical responsibility to the students for social welfare.

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IMPORTANT LINKS

Email: amsatconference@gmail.com

Registration QR code



*Payment details will send for selected papers through mail.

ADDRESS FOR COMMUNICATION

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ABOUT THE INSTITUTION

Hindusthan Educational and Charitable Trust, one of the finest in education and teaching is strategically placed in the heart of the city, and since 1992 has established itself firmly in the fields of Arts, Science, Education and Technical Education. The Trust aims at providing education that is world-class and on par with global standards. The Trust firmly believes in education from “Pre-KG to Ph.D.” and is true to its motto – ‘Get the best in everything’.

The Management has always stood by its commitment to the betterment of the student community and had at first established itself as a brand in the ‘power sector’, and today in the field of Education has reigned supreme with the ‘Life Time Education Achievement Award’ for giving back to society. The Management believes in leading and has set new trends/ innovative training methodologies in all its Institutions that will assist students towards the road to success.

ABOUT THE DEPARTMENT

The Department of Mechatronics Engineering Hindusthan College of engineering and technology was started in the year 2011. Modern machinery and electronics merge one with other to create wonderful opportunities to offer a platform for people who are interested in automating the world. The birth of the Department paved way for the college and our students to a bright future. The department is run by well-trained staffs and well equipped labs .so with the age of machines growing up its time to grow with them. Many of the students from our department won many prizes in various technical & non-technical competitions. We are racing towards 100 % placement. The mission of the Department of Mechatronics engineering is to produce Mechatronics Engineering graduates who will possess the acumen, competence, and skills needed to enter, succeed, and lead in professional practice or post-graduate studies. The goal is to provide learning and nurturing environment that stimulates faculty and students to collaborate in solving practical problems, motivates lifelong learning, and helps reach their highest potential.

International Conference

On

"ADVANCES IN MECHATRONICS SYSTEMS AND AUTOMATION TECHNOLOGIES"- (AMSAT 2025)

6 & 7 March, 2025

Organized by

Department of Mechatronics Engineering

(Accredited by NBA under TIER 1 Category)



Hindusthan College of Engineering and Technology

An Autonomous Institution, Approved by AICTE, New Delhi,
Affiliated to Anna University, Chennai
NAAC 'A++' Grade, Valley Campus, Coimbatore – 641 032,
Tamil Nadu, INDIA

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Hindusthan
College of Engineering and Technology
An Autonomous Institution



HIGHLIGHTS OF CONFERENCE

The objective of the conference is to provide a comprehensive understanding of the future challenges and opportunities associated with Advances in Mechatronics systems and automation technologies are revolutionising industries by integrating AI, IoT, and Industry 4.0 technologies. These innovations enable real-time data processing, predictive maintenance, and smart decision-making in manufacturing, improving operational efficiency. AI-driven robotics and soft robotics are also key developments, offering flexible, adaptive machines for precision tasks in healthcare and industrial automation. Modular and reconfigurable systems allow for quick adaptations in production, enhancing mass customisation capabilities. Furthermore, advancements in energy management systems are boosting sustainability by optimising energy use and reducing waste in industrial processes.

The conference aims to:

- Integration with Industry 4.0
- AI and Machine Learning in Automation
- Smart Robotics and Soft Robotics
- Reconfigurable and Modular Systems
- Energy and Resource Efficiency
- Advanced Control Systems
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