

SAMRAT ASHOK TECHNOLOGICAL INSTITUTE

(A Grant-in-aid Autonomous
Engineering College Estd. in 1960)
NBA Accredited (B.Tech. Civil, Mech.,
E&I, CSE) and NAAC Accredited
VIDISHA (M.P.), 464001, INDIA

Technovision-2025

**"Innovations for a Sustainable Future: Bridging Technology with
Societal Needs"**

FEBRUARY 20-21, 2025



ABOUT US



S.A.T.I.



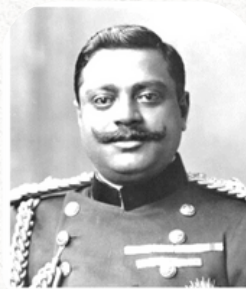
Shrimant

Jyotiraditya M. Scindia

Hon'ble Union Minister for Communications
and Development of North Eastern Region,
Govt. of India

Chairman

Maharaja Jiwaji Rao Education Society
Samrat Ashok Technological Institute, Vidisha



**H.H. KAILASHWASI
MAHARAJA JIWAJI
RAO SCINDIA**



**H.H. KAILASHWASI
MAHARANI VIJAYA
RAJE SCINDIA**

Samrat Ashok Technological Institute, a premier institute of the region was established by Late Maharaja Jiwaji Rao Scindia on November 1, 1960. Currently the Institute offers 10 full time Under Graduate programmes leading to degree in Bachelor of Technology and 8 full time Post Graduate Courses in the areas of Engineering, Science and Management. It is an autonomous grant-in-aid institution, receiving financial support from the Government of Madhya Pradesh, and is managed by the Maharaja Jiwaji Rao Education Society, chaired by Hon'ble Shrimant Jyotiraditya M. Scindia.



Technovision - 2025

**"INNOVATIONS FOR A
SUSTAINABLE FUTURE:
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WITH SOCIETAL NEEDS"**



Paper Presentation



Idea Generation



Coding Competition

"Stay inspired. Never stop creating."

We are excited to announce the Call for Papers for TECHNOVISION-2025, a National level paper presentation competition aimed at providing a platform for undergraduate and postgraduate students to present their innovative research, ideas, and projects in various fields of engineering, science, technology & management. The institute has established five Bureau of Standard (BIS) Clubs at the campus. BIS Clubs of Electronics Engineering, Electrical Engineering, Computer Engineering, Mechanical and Civil Engineering. The Technovision-2025 will bring together the brightest minds from the field of Engineering, Science, and management, fostering an environment of interdisciplinary collaboration and innovation.



"Innovations for a Sustainable Future: Bridging Technology with Societal Needs"

ELIGIBILITY

Undergraduate (UG) and Postgraduate (PG) students from all engineering, technology, and science disciplines are eligible to submit papers.

Important Dates

Full Paper Submission Deadline

17th February 2025

Notification of Acceptance:

18th February 2025

Submission Guidelines

- Paper should be original and not previously presented or published elsewhere.
- Format: IEEE conference format (up to 5 pages)

<https://www.ieee.org/conferences/publishing/templates.html>

- Submit your papers via technovision@satiengg.in
- All papers will be peer-reviewed by the technical committee.

Selected papers will be presented at the symposium in oral and poster sessions. Presenting authors will receive a certificate of participation. Outstanding papers will be awarded, and selected papers may be published in the souvenir.

Benefits

- Platform to showcase innovative research and projects.
- Networking opportunities with industry experts, researchers, and peers.
- Certificates with attractive awards for best papers.
- Possibility of paper publication in souvenir.



Invitations are open for submissions on the following topics, but not limited to:

Civil Engineering

- Standardization and Quality Assurance in Construction
- Safety standards in transportation engineering
- Environmental Engineering
- Transportation Engineering
- Construction Management
- Quantity surveying and valuation
- Industrial waste management
- Water shed management
- Geotechnical Engineering
- Structural Engineering
- Seismic and Earthquake Engg.
- Fluid Mechanics/ Hydraulics
- 3D Printing in Construction

Mechanical Engineering

- Quality Management & Assurance
- Technology and Design Standards in Robotics
- Smart Manufacturing and Quality Control
- Industry 4.0
- Refrigeration & Air conditioning
- Internal Combustion Engines
- FEA/FEM
- Composite & Smart Materials
- Computational Fluid Dynamics
- Additive Manufacturing and 3D Printing
- Biomechanics and Human-Machine Interaction
- Renewable Energy & Green Technology
- Thermal, Fluid power & Heat transfer
- Augmented Reality & Virtual Reality

Electrical Engineering

- Electrical Engineering codes & standards
- Smart Grid: Design & Engineering
- Computer Applications in Power Systems
- Configurable & Modular Power Electronics
- Micro-Grid: Modeling & Simulation
- Power System Operation & Control
- Renewable Energy Integration
- Hybrid Energy Systems
- Advance Solar PV Materials
- Solar PV Energy Systems
- Electric Vehicle Technology
- Smart Grids and Energy Management
- Electric Vehicles and Charging Infrastructure
- Power Electronics and Automation
- Wireless Power Transfer and Charging

Electronics Engineering

- Standards protocol in communications
- Quality Assurance in Biomedical Engineering
- VLSI & Embedded systems
- RF & Microwave engineering
- Mobile network
- Image processing
- Wearable Electronics:
- 5G Technology and Future Networks
- Nanoelectronics and Sensors:
- Signal Processing and Communication System
- Biomedical engineering & Healthcare technology
- Microelectronics
- Pattern Recognition

Computer Science and IT Engineering

- Standardization in Artificial Intelligence (AI) and Machine Learning (ML)
- Standardization in IoT and Smart Devices
- Global Standards in Emerging Technologies
- Quality Assurance in Software Engineering
- Data Science & Big Data Analytics
- Blockchain Technology & Standardization
- Cybersecurity
- Quantum Computing
- Internet of Things (IoT)
- Data Integrity and Security
- Autonomous Systems and Robotics

Applied Science

- Validation methods in Pharma Industries
- Regulatory Affairs in Pharmaceutical Industries
- Pharmaceutical Audit Process
- Chemical Recycling of Waste
- Sustainable Chemistry and Environmental Science
- Sustainable Chemistry and Agriculture, Regenerative Systems, Biomass and Bioresources,
- Electrochemistry for Energy
- Organic and Inorganic Chemistry in materials
- Analytical Chemistry Techniques
- Fractional calculus and its application
- Simulation and modeling
- Laser technology
- Semiconductor devices

Management Studies

- Total Quality Management
- Fintech
- Cryptocurrency and block chain
- Capital Markets
- Digital marketing
- Consumer behaviour
- Customer relationship management
- HR analytics
- Talent acquisition
- Training and development



Organizing Secretary:

Dr. Neelesh Mehra (9425642202), Dr. D.K. Shakya (9406522481)

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TECHNOVISION

February 20-21, 2025

Chief Patron



Shrimant

Jyotiraditya M. Scindia

Hon'ble Union Minister for Communications and Development
of North Eastern Region,
Govt. of India

Chairman

Maharaja Jiwaji Rao Education Society
Samrat Ashok Technological Institute, Vidisha

Chairman Organizing Committee



Dr. Yogendra Kumar Jain

Director

S.A.T.I. (Engineering College)

Patron



Dr. Laxmikant Markhedar

Hon'ble Secretary

Maharaja Jiwaji Rao Education
Society

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