



**NCEA
SSEM
2026**

EMERGING AI AND SUSTAINABLE SMART
ENGINEERING & MANAGEMENT



**JSS MAHAVIDYAPEETHA
JSS UNIVERSITY, NOIDA
IEEE STUDENT BRANCHES & AFFINITY GROUPS**

NATIONAL STUDENT CONFERENCE

on

**Emerging AI and Sustainable Smart
Engineering & Management**



CONFERENCE
23rd September, 2026 (Offline)

PRE-CONFERENCE
5th August, 2026 (Online)



For More Details Visit



WEBSITE
<https://ncea-ssem-2026.vercel.app/>



FOR QUERIES
Dr. Jyoti Shree Pillai (+91 73031 34565)
Utkarsh Srivastava (+91 95800 01402)



EMAIL
conference@jssuninoida.edu.in



VENUE
JSS University, C-20/A, Sector-62,
Noida, UP - 201309, India

Chief Patron



**H.H. Jagadguru Sri Shivarathri
Deshikendra Mahaswamiji**
President, JSS Mahavidyapeetha
Chancellor, JSS University, Noida

Patrons



Dr. C. G. Betsurmath
Executive Secretary
JSS Mahavidyapeetha, Mysuru



Dr. B. Suresh
Pro-Chancellor
JSS University, Noida



Dr. H. R. Mahadevaswamy
Vice Chancellor
JSS University, Noida

General Chairs



Dr. T.G. Mamatha
Registrar
JSS University, Noida



Dr. B. Manoj Kumar
Dean Academics
JSS University, Noida



Dr. Praveen T. K.
Principal, College of Pharmacy
JSS University, Noida

Conference Convener



Dr. R. S. Jagadish
Professor and Dean Student
Welfare, JSS University, Noida

External Advisory Committee



Dr. Anuradha Tomar
Associate Professor, FOT, DU
Vice-Chair, SAC, IEEE India
Council



Dr. Varun Kakkar
Joint Secretary and Conference
Chair, IEEE UP Section



Dr. K C Mishra
Chair, Student Activities, IEEE
UP Section

Conference Chair



Dr. Dhiraj Pandey
Prof. & Head, Dept. of
Computer Science &
Engineering
JSS University, Noida



**Dr. Sanjeev
Kumar Sharma**
Prof. & Head, Dept. of
Electrical Engineering
JSS University, Noida



Dr. Nitima Malsa
Associate Professor
CSE, IEEE STB Branch
Counselor, JSS
University, Noida



Dr. Gunjan Varshney
Associate Professor EE,
Branch Advisor, IEEE STB
& IEEE WIE AG JSS
University, Noida



Dr. Udit Mittal
Assistant Professor EE,
JSS University, Noida
IEEE STB Branch
Counselor, JSSATE Noida

Organizing Chair



— ABOUT THE CONFERENCE

NCEA-SSEM 2026 is a national-level platform for students to present and discuss innovations in Artificial Intelligence, smart systems, sustainable engineering, and digital transformation.

Organized jointly by IEEE Student Branch JSS University, IEEE WIE Affinity Group, and IEEE Student Branch JSSATEN, the conference promotes research culture, industry-academia collaboration, and sustainable innovation through keynote talks, paper presentations, and poster sessions aligned with the UN Sustainable Development Goals.

CONFERENCE THEME

"Emerging AI and Sustainable Smart Engineering & Management"

Integrating Artificial Intelligence, sustainable engineering, Industry 5.0, digital transformation, and human-centric innovation for future-ready solutions.

— ABOUT JSS UNIVERSITY

JSS University, Noida built upon the strong legacy of JSS Academy of Technical Education, Noida, is committed to excellence in education across Science, Engineering & Technology, Management, Humanities, Life Sciences, and Pharmacy. Established by JSS Mahavidyapeetha, it is the fourth university under the JSS group, alongside JSS Academy of Higher Education & Research (Mysuru), JSS Science and Technology University (Mysuru), and JSS Academy of Higher Education & Research (Mauritius). The University is dedicated to advancing scientific research, technological innovation, and developing skilled professionals who contribute to society.

Learn More: www.jssuninoida.edu.in

— IEEE STUDENT BRANCHES & AFFINITY GROUPS

The **IEEE Student Branch JSS University, Noida, IEEE Women in Engineering (WIE) Affinity Group, JSS University, Noida, IEEE Student Branch JSSATEN & IEEE Women in Engineering (WIE) Affinity Group, JSSATEN** are the joint organizing bodies of NCEA-SSEM 2026. Together, they promote technical excellence, research, innovation, and student development through conferences, workshops, hackathons, technical events, and outreach initiatives. These IEEE communities foster industry-academia collaboration, encourage participation in STEM, and provide students with opportunities for professional growth and global networking.

The IEEE JSS University Student Branch, established in the year 2025, operates under the IEEE Uttar Pradesh Section (Region 10 – Asia Pacific) and serves as a dynamic platform for advancing technology, research, and innovation among students. Building on their experience in successfully organizing ICSETI 2026 (International Conference on Sustainable Engineering & Technology Innovations), the organizing teams are committed to delivering NCEA-SSEM 2026 as a high-quality IEEE-standard national student conference.

WHY PARTICIPATE?

NCEA-SSEM 2026 provides a national platform for students to present innovative research, exchange ideas with academicians and industry experts, and contribute to emerging technologies.

Whether presenting your first paper or strengthening your research portfolio, the conference offers opportunities to learn, collaborate, and gain valuable academic exposure.

Join aspiring researchers, innovators, and future leaders from institutions across India to present ideas, exchange knowledge, and shape the future of AI and Sustainable Technologies.

Conference Highlights



Keynote Sessions

Gain insights from eminent academicians, researchers, and industry experts on emerging technologies, innovation, and engineering.



Research Paper Presentations

Present your original research before a national audience through dedicated technical sessions across multiple conference tracks.



Research Showcase

Showcase innovative ideas, prototypes, and research outcomes through interactive poster presentations.



Best Paper Awards

Outstanding research contributions will be recognized with Best Paper Awards based on originality, technical quality, and presentation.



Networking

Connect with students, faculty members, researchers, innovators, and professionals from institutions across the country.



Publication Opportunity

Selected papers may be published in Google Scholar Indexed Journal, subject to editorial review.

Who can participate?

The conference welcomes participants from diverse academic disciplines who are passionate about research, innovation and interdisciplinary learning.

- Undergraduate Students
- Postgraduate Students
- Research Scholars
- Engineering Students
- Management Students
- Applied Science Students
- Interdisciplinary Researchers

What you will gain?

- National-Level Research Exposure
- Opportunity to Present Original Research
- Interaction with Academic and Industry Experts
- Interdisciplinary Learning Experience
- Networking with Researchers from Across India
- Recognition through Best Paper Awards
- Opportunity for Google Scholar Journal Publication (Subject to Editorial Review)
- Certificate of Participation / Presentation/ Best Paper

Exclusive National Conference for Students

"Empowering Student Research for an Intelligent & Sustainable Future"

CALL FOR PAPERS

NCEA-SSEM 2026 is an exclusive national-level student research conference inviting undergraduate, postgraduate students & research scholars to submit original research papers under the theme "Emerging AI and Sustainable Smart Engineering & Management." Choose the track that best aligns with your research.

Conference Tracks

1 **Artificial Intelligence, Computing, Digital and Sustainable Technologies**

- Generative AI and Large Language Models
- Machine Learning and Deep Learning
- Explainable and Ethical AI
- Computer Vision and NLP
- Data Science and Big Data Analytics
- Cloud, Edge and Fog Computing
- Quantum Computing and Post-Quantum Security
- Cybersecurity, Blockchain and Digital Forensics
- Software Engineering, DevOps, Web and Mobile Technologies
- High-Performance Computing
- AR/VR and Immersive Technologies
- FinTech and Digital Transformation and Smart Applications
- Cyber-Physical Systems and Digital Twins

2 **Smart Systems, Electronics & Industry 5.0**

- IoT and Smart Devices
- Industry 5.0 and Smart Manufacturing
- Automation and Control Systems
- Embedded Systems and Sensor Networks
- VLSI and Semiconductor Technologies
- Human-Centric Smart Systems
- Wireless and 5G/6G Communication
- Signal and Image Processing
- Robotics, Mechatronics and Autonomous Systems
- UAVs and Drones
- Wearable Devices

3 **Sustainable Energy, Environment & Green Engineering**

- Renewable and Clean Energy Systems
- Energy & Exergy Analysis of various Thermal Systems
- Smart Grid and Internet of Energy
- Energy-Efficient Engineering Solutions
- Smart Power & Energy Systems
- Electric Vehicles and Battery Technologies
- Green Computing and Sustainable Technologies
- Waste Management and Circular Economy
- Environmental and Climate Technologies
- Water Resources and Environmental Sustainability
- Carbon-Neutral Engineering Practices
- Sustainable Production Systems
- Engineering for SDGs

4 **Infrastructure, Manufacturing & Industrial Engineering**

- Smart and Sustainable Infrastructure
- Green Building Technologies
- Structural Health Monitoring
- Transportation and Highway Engineering
- Construction Automation and BIM
- Geotechnical and Earthquake Engineering
- Urban Planning and Smart Cities
- CAD/CAM and Additive Manufacturing
- Thermal and Fluid Engineering
- Industrial Engineering and Optimization
- Automotive Engineering and Advanced Manufacturing
- Smart Cities and Intelligent Transportation

5 **Applied Sciences, Healthcare & Emerging Innovations**

- Biomedical Engineering and Smart Healthcare
- Bioinformatics and Computational Biology
- Sustainable Chemical Processes
- Nanoscience, Nanotechnology and Advanced Materials
- Materials Science and Engineering
- Food and Agricultural Technologies
- Pharmaceutical Engineering
- Applied Physics and Applied Mathematics
- AI for Agriculture and Rural Development
- Innovation, Entrepreneurship and Startups
- Ethical and Responsible Technology Development

SUBMISSION GUIDELINES & REGISTRATION

PARTICIPATE IN NCEA-SSEM 2026

Follow the submission timeline and complete the registration process to present your research at the National Student Conference on Emerging AI and Sustainable Smart Engineering & Management (NCEA-SSEM 2026).

IMPORTANT DATES:

ACTIVITY	DATE
Paper Submission Opens	3 rd August 2026
Pre-conference Session (Online)	5 th August 2026
Paper Submission Deadline (Extended)	20 th August 2026, 02 nd September 2026
Acceptance Notification	5 th September 2026, 10 th September 2026
Registration Opens	10 th September 2026, 15 th September 2026
Camera Ready Paper Submission	15 th September 2026, 18 th September 2026
Conference Date	23 rd September 2026

SUBMISSION GUIDELINES:

- Scope & Originality:** Only original, unpublished experimental research papers are accepted. Submissions under review elsewhere, are not permitted.
- Format & Submission:** Use the latest IEEE template, excluding page numbers, headers, and footers. Submit the final PDF via the conference portal before the deadline.
- Authors:** Up to 4 authors per paper, with only 1 faculty co-author; all others, including the presenting author, must be students. Author details cannot be changed after submission. One paper per author will be accepted.
- Integrity:** Content Similarity less than 15% (excluding references/quotes); AI-content score less than 10%. Plagiarism or data fabrication will result in immediate rejection.
- After Acceptance:** Registration is mandatory. Papers must be presented by a student author to be included in the conference proceedings.

Final say: Reviewers' and Technical Program Committee's decisions are final; non-compliant papers may be rejected.



WEBSITE
<https://ncea-ssem-2026.vercel.app/>



SUBMIT YOUR PAPER
<https://cmt3.research.microsoft.com/NC-EASSEM2026/Submission/Index>

SUBMISSION PROCESS

- Paper Submission:** Submit your research paper through the conference portal.
- Technical Review:** Submissions are reviewed by the Technical Program Committee.
- Acceptance Notification:** Accepted authors are notified via email.
- Registration:** Complete registration after paper acceptance.
- Camera-Ready Submission:** Submit the final revised manuscript.
- Conference Presentation:** Present your research at NCEA-SSEM 2026.

BENEFITS OF PARTICIPATION

- Selected & presented papers may be considered for publication** in the *Google Scholar Indexed Journal*, subject to editorial review.
- No publication charges** for selected papers accepted for journal publication.
- Receive a **Certificate of Paper Presentation**.
- Compete for the **Best Paper Award** in each eligible category.
- Strengthen your academic profile for **higher studies, scholarships, internships, and placements**.
- Gain recognition for **innovative research and interdisciplinary contributions**.

REGISTRATION FEE:

CATEGORY	
IEEE Student Members	₹500
Non-IEEE Students	₹1000

Note: Registration is applicable only for accepted papers.

CONFERENCE COMMITTEE

1 INTERNAL ADVISORY COMMITTEE

Dr. S. S. Shirur

Controller of Examination,
JSS University, Noida

**Head, Department of
Mechanical Engineering,**

JSS University, Noida

**Head, Department of
ECE,**

JSS University, Noida

**Head, Department of CSE -
Data Science,**

JSS University, Noida

**Head, Department of Civil
Engineering,**

JSS University, Noida

Mr. N. S. Manoj Kumar

Finance Officer,
JSS University, Noida

**Head, Department of CSE -
AIML,**

JSS University, Noida

**Head, Department of
IT,**

JSS University, Noida

**Head, Department of
MBA ,**

JSS University, Noida

**Head, Department of
Mathematics,**

JSS University, Noida

**Head, Department of
Chemistry,**

JSS University, Noida

**Head, Department of
Physics,**

JSS University, Noida

**Head, Department of
English,**

JSS University, Noida

**Head, Department of
MCA,**

JSS University, Noida

2 TECHNICAL PROGRAM COMMITTEE

Dr. Sukhendra Singh,

Associate Professor, Department of IT,
JSS University, Noida

Dr. Jyoti Shree Pillai

Assistant Professor , Department of ECE ,
JSS University, Noida

3 TRACK CHAIRS

Dr. Gaurav Jain

Assistant Professor, Department of ME,
JSS University, Noida

Dr. Ashima Srivastava

Assistant Professor, Department of Chemistry,
JSS University, Noida

Dr. Aparna Srivastava

Assistant Professor, Department of IT,
JSS University, Noida

Dr. Nirmal Kr. Aggarwal

Assistant Professor, Department of EE,
JSS University, Noida

Dr. Amit Tripathi

Assistant Professor, Department of CE,
JSS University, Noida

Dr. Attiuttama Mishra

Assistant Professor, Department of CSE,
JSS University, Noida

Dr. Anshul Mathur

MBA Department, JSS
University, Noida

CONFERENCE COMMITTEE

4 ORGANISING COMMITTEES

PUBLICATION

Dr. Amit Kumar Roy

Associate Professor EE,
JSS University, Noida

Dr. Monika Malik

Assistant Professor ECE,
JSS University, Noida

PUBLICITY

Dr. Koumudi

Assistant Professor, College of
Pharmacy, JSS University, Noida

Ms. Kanishka

Assistant Professor English,
JSS University, Noida

WEB MGMT. & DESIGN

Dr. Megha Jain

Associate Professor IT,
JSS University, Noida

Ms. Rashmi

Content Head, JSS University, Noida

SPONSORSHIP

Dr. Parveen Poon Terang

TPO, Associate Professor EE,
JSS University, Noida

Dr. Vipul Saxena

Assistant Professor ME,
JSS University, Noida

FOOD & REFRESHMENT

Dr. Prashant Chauhan

Professor and Head, ME,
JSS University, Noida

Dr. Arun Kumar G

Professor and Head, ECE,
JSS University, Noida

Mr. Vinooth P

Assistant Professor CSE,
JSS University, Noida

REGISTRATION

Dr. Anuranjan Kansal

Associate Professor ECE,
JSS University, Noida

STAGE

Dr. Ranu Pandey

Assistant Professor Mathematics,
JSS University, Noida

FINANCE

Dr. Vinita Khemchandani

Assistant Professor Mathematics,
JSS University, Noida

TECH. PROGRAM EXECUTION

Mr. Vikas Panchal

System administrator,
JSS University, Noida

Mr. Harish

Department of CSE, JSS University,
Noida

5 STUDENT COMMITTEES

STUDENT COORDINATOR

Utkarsh Srivastava, 3rd Year B. Tech Student

PUBLICATION COMMITTEE:

- **Ayaan Arneja**, 2nd Year - B. Tech
- **Vania Gupta**, 2nd Year - B. Tech

WEB MANAGEMENT AND DESIGN COMMITTEE:

- **Utkarsh Srivastava**, 3rd Year - B. Tech
- **Yash Gupta**, 3rd Year - B. Tech
- **Shriti Gupta**, 2nd Year - B. Tech
- **Ananya Chauhan**, 2nd Year - B. Tech
- **Alabhya**, 2nd Year - B. Tech

SPONSORSHIP COMMITTEE:

- **Vedika Jain**, 3rd Year - B. Tech
- **Siddhi Saxena**, 2nd Year - B. Tech

FOOD & REFRESHMENT COMMITTEE:

- **Puranjay Pareek**, 3rd Year - B. Tech
- **Abhay Mittal**, 2nd Year - B. Tech

PUBLICITY COMMITTEE:

- **Sahal Parvez**, 3rd Year - B. Tech
- **Arshita Soni**, 2nd Year - B. Tech

FINANCE COMMITTEE:

- **Sanchita Singh**, 3rd Year - B. Tech
- **Erushi Jain**, 2nd Year - B. Tech

REGISTRATION COMMITTEE:

- **Bhoomika Chauhan**, 3rd Year - B. Tech
- **Avni Gupta**, 2nd Year - B. Tech

STAGE COMMITTEE:

- **Shivanshi Srivastava**, 2nd Year - B. Tech
- **Bhoomi Choudhary**, 2nd Year - B. Tech

TECHNICAL PROGRAM EXECUTION COMMITTEE:

- **Yash Gupta**, 3rd Year - B. Tech
- **Shriti Gupta**, 2nd Year - B. Tech



**NCEA
SSEM
2026**

EMERGING AI AND SUSTAINABLE SMART
ENGINEERING & MANAGEMENT

National Student Conference *on*

Emerging AI and Sustainable Smart Engineering & Management



23rd Sept 2026



Venue: JSS University, Noida
C-20/1, SECTOR-62, NOIDA, DISTT. U.P., INDIA-201301

Join India's emerging student researchers in shaping an intelligent and sustainable future through innovation, research, and collaboration.



EMAIL

conference@jssuninoida.edu.in

For Queries Contact:



Dr. Jyoti Shree Pillai (+91 73031 34565)
Utkarsh Srivastava (+91 95800 01402)

For More Details Visit:



<https://ncea-ssem-2026.vercel.app/>
<https://jssuninoida.edu.in/>

