



**IEEE International Conference on Emerging
Engineering
Technologies and Applications
(IC-EETA'25)**



November 6–8, 2025

**International Conference on Emerging Engineering Technologies and
Applications (IC-EETA 2025)**

Date: 07 November 2025 (Friday)

Time: 14:00 – 17:00

Technical Session: Artificial Intelligence, Cybersecurity, Industrial IoT and Smart Applications

Session Chair: Dr. Rohit Sharma, ABES Engineering College Ghaziabad

Venue: [HYBRID] Venue/Link : Room No. 316,

AB#1<https://us06web.zoom.us/j/5544329794?pwd=OsvEIP5E46BxCzilCawObBftCvs9gw.1&omn=88207926250>

Time	Paper ID	Title	Pages
14:00 – 14:30	120	Exploring the Impact of AI on Science Teaching: Effective Pedagogical Strategies for Developing Digital Literacy Skills	724–729
14:30 – 15:00	114	Enhancing Intrusion Detection Systems Using Ensemble and Deep Learning Techniques for Robust Cyber Threat Mitigation	682–689
15:00 – 15:30	115	Adaptive AI-Driven Optimization in Smart Manufacturing: A Hybrid Neural Network and Genetic Algorithm Approach	690–697
15:30 – 16:00	116	A Blockchain-AI Integrated Framework for Efficient and Secure Big Data Processing in IIoT Using Enhanced DPoS Consensus	698–704
16:00 – 16:30	117	A Machine Learning Framework for Predictive Maintenance of Power Transformers Using CAI and EFRI Metrics	705–712
16:30 – 16:45	118	Design and Implementation of a Novel Active Directory-Centric Cyber Security Architecture using AI-Driven Identity and Access Management	713–718
16:45 – 17:00	119	A Novel Approach to Active Directory Management using AI-Driven Identity and Access Management for Enhanced Enterprise Security	719–723

Presentation Details

Paper ID: 120

Presentation Time: 07 November 2025 (Friday), 14:00–14:30

Title:

Exploring the Impact of AI on Science Teaching: Effective Pedagogical Strategies for Developing Digital Literacy Skills

Authors

- **A. Vanitha** – Saveetha Engineering College (Autonomous), Chennai, Tamil Nadu, India
- **Iftikhar Alam Khan** – Bath Spa University Academic Centre RAK, UAE
- **Premlata** – Department of Sociology, Dau Dayal Mahila P.G. College, Firozabad, Uttar Pradesh, India
- **Sashka Jovanovska** – Department of English Language and Literature, Faculty of Philology, Goce Delcev University, Stip, Republic of North Macedonia
- **Kumari Dipti** – Department of Education, Indira Gandhi National Tribal University, Amarkantak, Madhya Pradesh, India
- **Vishnu Kumar Gupta** – Department of Library and Information Science, University of Rajasthan, Jaipur, Rajasthan, India