



PROCEEDINGS OF THE 3^RD
INTERNATIONAL CONFERENCE ON

ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND CYBERSECURITY

1-2 May 2025

Editors:

Dr. Vivek Chandra Pandey

Dr. Md Ehsan Asgar

Dr. Pradeep

Abhendra Pratap Singh



AIJR Publisher



Organized by:
HMR Institute of Technology and
Management

(Affiliated to Guru Gobind Singh Indraprastha University,
New Delhi, India)

Series: AIJR Proceedings

ISSN: 2582-3922

More information about this series is available at-

<https://proceedings.aijr.org/index.php/ap>

V. C. Pandey
Md. Ehsan Asgar
Pradeep
Abhendra Pratap Singh
(Editors)

*Proceedings of the 3rd International Conference on
Artificial Intelligence, Machine Learning
and Cybersecurity
ICAMC-2025 (May 1-2, 2025)*

Organized by



HMR Institute of Technology and Management, New Delhi, India

Published by

AIJR Publisher, Dhaurahra, Balrampur, India 271604



Proceedings of the 3rd International Conference on Artificial Intelligence, Machine Learning and Cybersecurity
ICAMC-2025 (May 1-2, 2025)

Volume Editors

- **Dr. V. C. Pandey**, Director, HMR Institute of Technology and Management, New Delhi
- **Dr. Md. Ehsan Asgar**, HMR Institute of Technology and Management, New Delhi
- **Dr. Pradeep**, HMR Institute of Technology and Management, New Delhi
- **Mr. Abhendra Pratap Singh**, HMR Institute of Technology and Management, New Delhi

Conference Organizer

HMR Institute of Technology and Management, Hamidpur, New Delhi-India

Conference Venue

HMR Institute of Technology and Management, Hamidpur, New Delhi-India

Series

AIJR Proceedings

Issue

Vol. 7, No. 6

ISSN:2582-3922

ISBN: 978-81-989164-9-5

DOI: <https://doi.org/10.21467/proceedings.7.6>

Type

Conference Proceedings

Series Editor

Dr. Adam A. Bahishti

Published

21 November 2025

Number of Pages

570

Imprint

AIJR Books

© 2025 Copyright held by the author(s) of the individual article. Abstracting is permitted with credit to the source. This is an open access book under Creative Commons Attribution-NonCommercial 4.0 International (CC BY-NC 4.0) license, which permits any non-commercial use, distribution, adaptation, and reproduction in any medium, as long as the original work is properly cited.

Published by



AIJR Publisher, Dhaurahra, Balrampur, India 271604

Disclaimer

This conference proceeding has been produced using author-supplied copy of the articles via conference organizer (ICAMC-2025). Peer-reviewing of the articles has been done under the responsibility of conference committee. Editing has been restricted to the articles metadata entry and style where appropriate. The respective authors are responsible for the accuracy and authenticity of the material submitted by them. No responsibility is assumed by the publisher or conference organizer for any claims, instructions, methods or policy contained in the articles: Further, the conference organizer & AIJR publisher both remain neutral with regard to jurisdictional claims in published maps and institutional affiliations.

ICAMC-2025

Table of Contents

S.NO	PRELIMINARY CONTENTS	PAGE NO.
i	Disclaimer	i
ii	Foreword	vii
iii	About the Conference	viii
iv	About the Host Organization	ix
v	About the Volume Editors	x
vi	Message from Convener	xii
vii	Committees for the Conference	xiii
viii	Advisory Committee	xiv
ix	Keynote Speaker	xv
x	Peer Review Policy	xvi
ARTICLES		
1	Data Mesh-Driven Enhancements in Sign Language Recognition Using LRCN and 3DCNN Models <i>Sunil Pradhan Sharma, Elakkiya Daivam</i>	1
2	YOLOv11 Based Classification of Lumbar Spine Degenerative Changes Across Multi-Modal Imaging <i>Vaibhavi Patel, Apurv Chudasama, Amit Thakkar</i>	7
3	A Comprehensive Review on Technological Implementations and Innovations in Cyclone & Flood Disaster Management <i>Abhendra Pratap Singh, Nandini Sharma, Arpit Dwivedi, Vansh Garg, Saksham Aggarwal, Aakriti Sharma, Dhruv Popli</i>	19
4	AI-Driven Integrated Platform for Comprehensive Flood and Cyclone Disaster Management <i>Abhendra Pratap Singh, Nandini Sharma, Arpit Dwivedi, Aakriti Sharma, Dhruv Popli, Vansh Garg, Saksham Aggarwal</i>	26
5	Automated Attendance Tracking System Using Geolocation Technologies: A Hybrid Solution for Onsite and Offsite Employees <i>Abhendra Pratap Singh, Dushyant Kumar, Bhumika Sharma, Jagriti Sharma, Abhishek Kumar, Keshav, Diya Gupta</i>	33
6	A Comprehensive Review on Geolocation Based Attendance Monitoring Systems in Various Industries <i>Abhendra Pratap Singh, Dushyant Kumar, Bhumika Sharma, Jagriti Sharma, Abhishek Kumar, Keshav, Diya Gupta</i>	42
7	ARGUS: Revolutionizing Emergency Disaster Response Using AI and IOT <i>Usha Dhankar, Rahul Dahiya, Snehit Pandey, Nishant, Chandragupt Seni, Nishant Gupta</i>	47
8	FIDO based Password Less Authentication System for E-Bikes <i>M. Gopinath, Uday Kiran Pillala, Umesh Meduri</i>	57
9	A Study on Car Parking Occupancy Detection Using Smart Camera Networks and Deep Learning <i>Manisha Sharma, Anshu Sharma, Pooja Dahiya, Komal Malik</i>	68

10	Blockchain-Powered Metaverse: Enhancing Security, Decentralization, and Interoperability for Next-Generation Virtual Ecosystems <i>Akshaj Saini, Navjot Kumari, Garima Thakur, Parteek, Sahil Kaushik, Tanmay Kumar Jaiswal, Bharat Sharma</i>	75
11	The Impact of Digital Technologies and Artificial Intelligence on the Quality of Life of the Population in Russia <i>Tsygankova Inga, Kruglov Dmitrii, Reznikova Olga, Degtyarev Nikita</i>	82
12	Continuous Authentication via Bluetooth and Mobile Devices <i>Asish Gummidi</i>	93
13	Detection of Sleep Apnea using 1D-CNN-BiLSTM: Fine-Tuning Convolutional Neural Network and Long Short-Term Memory Architecture for Improved Performance <i>Hritam Ghoshal, Anurag Dhar, Krishnadas Saha</i>	100
14	Heimdall: Machine Learning-Driven Attack Correlation and Forensic Intelligence for Enterprise Cybersecurity <i>J. Rajeshwar, Yaddanapudi Vishnu Srivatsava, Sai Kiran B L S, Dasari Ajay</i>	108
15	Enhanced CNC Fault Prognostics with K-Means Clustering and Particle Swarm Optimization for Pattern Analysis and Reduction <i>Priyadarshini Radhakrishnan, Nagendra Kumar Musham, Venkata Sivakumar Musam, Sathiyendran Ganesan, Priyan Malarvizhi Kumar</i>	115
16	Real-Time Vision-Based Hand Gesture Recognition System for Multi-Functional Contactless Control of Digital Applications <i>Sanjivani Adsul, Sachi Khobragade, Nakul Kohad, Parth Khot, Shashank Kumbhar</i>	124
17	Leveraging AI and ML for 21st-Century Skill Development: A Paradigm Shift in Education and Workforce Transformation <i>SWATI SHARMA</i>	135
18	CharacterBot: AI-Powered TV Series Insights <i>Gautam, Himanshu Shahoo</i>	147
19	Real-Time Big Data Analytics in Social Media: Enhancing User Behavior Prediction <i>Sarthak Sharma, Sanskar Gaherwal, Aman, Sonia Sharma</i>	155
20	A Secure and Efficient Cross-Platform P2P File Sharing System <i>Urmila, Shubham</i>	171
21	Sentiment Analysis for Low Resource Language Using Machine Learning and Deep Learning <i>Tajinder Kaur, Gagninder Kaur</i>	179
22	Detection of Venomous and Non-Venomous Snakes using Convolutional Neural Network in Deep Learning <i>Akanksha Thakur, Gagninder Kaur</i>	186
23	Sensor Based Smart Agriculture Monitoring System Using Web & IOT Based <i>Christin Varghese, Shyam Sunder Kumar, Vishvendra Pal Singh Nagar</i>	195
24	Implementation of Smart Hydroponic Farming Using AI Controller with Mobile Application System <i>Namita Kathpal, Shradha Gola, Shobhit Mishra, Kuricheti Dakshayini</i>	208
25	Detection Techniques of PCOS Using Supervised Machine Learning and CNN <i>Akash Rawat, Gagninder Kaur</i>	215
26	The Role of AI in Personalization for Digital Platforms <i>Usha Dhankar, Deepak Yadav, Mayank Kumar Grade, Deepesh Narang, Karishma Varshney</i>	222
27	Detecting Fraud in Online Payments from Historical Transaction Data using Machine Learning <i>Archana T, Sayantan Mandal, Sandeep Kumar Gupta, Kankan Hembrom</i>	229

28	User-Centric Sentiment Analysis of DeepSeek R1: Leveraging Google Play Store Reviews through Feature-Rich Machine Learning Models <i>Simran Thakur, Anuradha Devi, Priyanka Kumari</i>	236
29	A Comprehensive Review on Mechanical based and AI based Natural Fibres Reinforced Composite Materials <i>Abhendra Pratap Singh, Nandini Sharma, Pawan Shukla, Vanshika Dua, Anirudh Manhas, Progya Pal, Akshit Verma</i>	243
30	A Comprehensive Review On Recent Developments, Techniques and Applications of Radio Frequency Energy Harvesting in Wireless Energy Harvesting <i>Taruna Sharma, Aakriti Sharma, Nandini Sharma, Arpit Dwivedi</i>	249
31	Resource Management in Healthcare IoT Networks Using Machine Learning for Accuracy Enhancement <i>Archana Mongia, Indu Bhardwaj</i>	256
32	Machine Learning and Experimental Study on the Fe₂O₃ Nanoparticles Blended Waste Cooking Oil Biodiesel on the Performance Of CI Engine <i>Manav Khera, Abhendra Pratap Singh, Md Ehsan Asgar, Uma Gautam, Rajeev Ranjan, Nandini Sharma</i>	265
33	Dynamic Light Control: Revolutionizing Nighttime Visibility With Intelligent Road Illumination <i>Jitesh Tandon</i>	287
34	Bio Larynx: When Your Voice Knows Before You Do <i>Usha Dhankar, Priyansha Sachdev, Swastik Goomber, Supriya Kumari, Shivam Bansal</i>	294
35	Detecting and Watermarking Fake Videos using AI Model <i>Prince Kumar, Lav Raman Sinha, Subrojeet Das, Anuranjana</i>	307
36	Automating University Administration: A Systematic Review of Chatbot Applications in Higher Education <i>Prashant, Monika Poriye, Pradeep Mittal, Naveen Sharma</i>	314
37	Integrating Fuzzy Logic into Lexicon-Based Sentiment Analysis: A Hybrid Framework <i>Gaytri Devi, Mukesh Kumar Rana, Srishti Taneja</i>	324
38	From Bits to Breaks: Decoding the App Switching Disruption in Digital Study Sessions <i>Mandakini Ingle, Shweta Gupta, Avi Mahajan</i>	333
39	Unsupervised Machine Learning to Detect Abnormal Activities using CNN & 3D Spatial-Temporal AutoEncoder (3DSTAE) <i>Mandakini Ingle, Pinky Rane, Harshraj Sharma, Ishika Goyal, Kapil Nakum</i>	341
40	Humanoid Robotics: Recent Developments, Challenges, and Ethical Issues in Future Integration <i>Abhendra Pratap Singh, Uma Gautam, Md. Ehsan Asgar, Rajeev Ranjan, Nandini Sharma, Pawan Shukla, Akshit Verma</i>	349
41	Risk Management in Personal Data Processing Within University-Corporate Partnership Interactions <i>Kruglov D. V, Lyashenko V. E</i>	361
42	Enhancing Deepfake Detection Using Attention Mechanisms in Image Classification <i>Kavita Sultanpure, Prajakta Kumbhare, Jay Kumavat, Nidhi Karkera, Mandar Mahapure, Ameya Pathak</i>	370
43	Designing Intelligent Systems for Unforeseen Discoveries <i>Krishna Kumar</i>	377
44	BlockShare: A Privacy-Preserving Blockchain System for Secure Data Sharing <i>Apeksha Bhuekar</i>	385

45	An Access Control Mechanism and Decentralization Authentication in IOT Devices <i>Abhishek Kumar, Anshul Mohan Gupta, Ashish Chaudhary, Rajorshi Sen</i>	395
46	Crop Optimizer: Efficient Data Driven Solutions <i>Mehul Kumar, Maanas Gulati</i>	404
47	AI-Powered Career Coach: A Review on Digital Career Assistance System <i>Saba Zaidi, Gyan Prakash, Rajat Siwach, Manan Yadav, Rahul Bhandari</i>	412
48	Credit Card Fraud Detection Using Machine Learning Algorithms <i>Kavita Rani, Anjali Garg, Saba Zaidi, Kunal Saini, Sunidhi</i>	418
49	Optimising Aerodynamics of Car using Dynamic Flow Lines Adaptation <i>Shreyas Reddy, Siddharth Rajendran, Rashid T Tahasildar, Surobhi Halder, Umme Haani</i>	424
50	Detection of Offensive and Abusive Marathi Comments Using MBERT and Trie Algorithm <i>Deepali Jadhav, Sakshi Sonawane, Shreyash Chudiwal, Chaitanya Dhotre, Ghansham Pawar, Renuka Raut</i>	433
51	Intelligent Machine Learning based Fault Prediction Model for Induction Motor <i>Sayon Ray, U Sowmmiya, Munnam Rahul Vyas, Mutnuru Anirudh, Chitibala Maneesh Kumar Reddy, Rahul Somnath S</i>	440
52	Breaking Neural Barriers with Transformers Replacing RNN and CNN <i>Dhruv Goyal, Divy Raj, Mittar Pal</i>	451
53	AI Enabled Credit Card Fraud Detection System Using Cloud Computing <i>Abhishek Shinde, Rohit Shinde, Satish Chavhan, Alpna Borse</i>	458
54	Addressing Security Vulnerabilities in Modern Cloud Computing: A Case Study and Hybrid Mitigation Approach <i>Rehnuma Tasnim, Ridoy Kumar Roy, Mst Habiba Farhana, Md Sabbir Ahamed, Md Mahbubur Rahman Akash, Ismail Hossain Pranto</i>	466
55	Understanding the Unspoken: A Cross-Cultural AI Framework for Sentiment and Bias Detection <i>Karimbir, Sushil Verma, Piyush Gupta, Priya, Prakhar Pandey</i>	475
56	A Review of Blockchain-Based Solutions to Internet of Things (IoT) Security Challenges <i>Joni, Shuchita Upadhyaya, Monika Poriye, Naveen Sharma</i>	485
57	An Effective Artificial Intelligence Model for the Detection and Classification of Credit Cards Scams <i>Jitender Kumar, Manjali Gupta</i>	492
58	Blockchain-based CP-ABE System Using ECC for Cloud Storage <i>Walde Rajesh Baliram, Bashir Alam, M. N. Doja</i>	505
59	Generative AI and Large Language Models in Engineering and Management: Opportunities and Challenges <i>V C Pandey, Ish Pandey, Dmitri Kruglov</i>	517
60	Machine Learning-Based Automated Dust Detection on Solar Panels: A Comparative Study <i>Renu Chaudhary, Gurpreet Kaur, Usha Dhankar, Urmila</i>	525
61	Detection of Phishing Websites Using Machine Learning <i>Usha Dhankar, Hitesh Manral, Nitin Kumar</i>	532
62	Breaking Encapsulation in Java-Methods, Security Implications and Mitigation Strategies <i>Mohammad Adeel, Shaftiqul-Abidin, Hashir Sayed, Neha Yadav, Faisal Rais, Mohd. Izhar</i>	539

Foreword

It is with great pleasure that we welcome you to the **International Conference on Artificial Intelligence, Machine Learning, and Cybersecurity (ICAMC-2025)**. This conference serves as a prestigious platform for researchers, academicians, industry professionals, and policymakers to exchange ideas, present innovative research, and discuss the future of AI, ML, and cybersecurity.

In an era where technological advancements are shaping every aspect of our lives, artificial intelligence and machine learning have become pivotal in driving innovation, automation, and efficiency across various sectors. However, as these technologies evolve, so do the challenges associated with cybersecurity. The intersection of AI, ML, and cybersecurity is crucial for ensuring the safety, privacy, and resilience of digital systems worldwide.

ICAMC-2025 aims to foster collaboration among experts and thought leaders, providing insights into cutting-edge research, practical applications, and emerging trends in these fields. The conference includes keynote sessions, discussions, and technical paper presentations covering topics such as deep learning, data security, ethical AI, cyber threats, and next-generation cybersecurity solutions and defense mechanisms.

We extend our gratitude to the distinguished speakers, dedicated researchers, and passionate participants for their valuable contributions and participation. A special appreciation goes to the Advisory committee, Organizing committee, Reviewers, Sponsors and Publication partners for making this event possible.

We hope that ICAMC-2025 will inspire new research directions, foster meaningful collaborations, and contribute to the global dialogue on AI, ML, and cybersecurity.

Dr. V. C. Pandey
Dr. Md. Ehsan Asgar
Dr. Pradeep
Mr. Abhendra Pratap Singh

About the Conference

HMRITM is proud to host the 3rd **International Conference on Emerging Applications of Artificial Intelligence, Machine Learning, and Cybersecurity (ICAMC-2025)** in May 2025.

ICAMC-2025 is a premier platform for presenting cutting-edge research and advancements across AI, ML, and cybersecurity domains. The conference spans theoretical foundations, tools, applications, systems, test-beds, and real-world deployments. It emphasizes the integration of intelligence into various systems, focusing on the design, development, and application of technologies in sectors such as transportation, energy, healthcare, agriculture, robotics, smart cities, and supply chains.

Key research areas include security, optimization, machine learning, game theory, cloud computing, signal processing, human-in-the-loop systems, data analytics, and verification. ICAMC-2025 aims to foster collaboration among researchers, academics, industry professionals, and practitioners, promoting the exchange of innovative ideas and interdisciplinary knowledge.

Conference Objectives

- To provide a platform for presenting innovative AI and ML applications in cybersecurity.
- To explore ethical concerns and regulatory frameworks in AI and cybersecurity.
- To foster industry-academia collaborations for real-world problem-solving.

Key Highlights

- **Keynote Sessions:** Renowned experts will share insights into the latest trends and advancements.
- **Technical Paper Presentations:** High-quality research papers covering theoretical and applied aspects of AI, ML, and cybersecurity.
- **Panel Discussions:** Engaging conversations on the intersection of AI, ML, and cybersecurity challenges.

About the Host Organization

Established in 2002, HMR Institute of Technology & Management (HMRITM) is a distinguished educational institution situated on a lush 5-acre campus in Delhi Capital Territory (NCT). Founded with a vision to foster technical excellence, HMRITM has rapidly emerged as a prominent name in the field of engineering and technology education. The institute is dedicated to cultivating a new-age, intellectually driven workforce to meet the challenges of a highly competitive and technology-centric world.

Named in honor of its founders—Late Sh. Hiralal, Late Smt. Mohan Devi, and Late Smt. Rita Gupta—HMRITM creates an environment that combines academic rigor with practical industry exposure. This equips students with the technical expertise and emotional intelligence necessary to excel in complex, dynamic technological landscapes.

Strategically located in Delhi, HMRITM enjoys proximity to numerous corporate hubs and industries, enabling seamless industry-academia interaction. The institute is committed to delivering quality education aligned with global standards, supported by cutting-edge infrastructure and an innovative learning environment. By emphasizing research and development, HMRITM contributes to critical engineering advancements and technological breakthroughs. With a holistic approach to education, it seeks to drive progress for its students and the broader community.

About the Volume Editors

Prof. V C Pandey



Dr. V C Pandey has been working as Director in HMRITM Delhi since 2018. He obtained his Ph.D. from Delhi College of Engineering (Delhi University) in year 2011. He completed his Masters in Industrial Engineering & Management in year 1996 from SGS Institute of Technology & Science Indore and Bachelors in Mechanical Engineering from Madan Mohan Malviya Engineering College Gorakhpur in year 1994.

He has more than 30 years rich experience of industry, research, teaching and administration in the organizations of repute in Bangalore and Delhi-NCR. Prior to this He worked as the head of the institution in three different engineering colleges in NCR.

He has quality research publications in best journals in his research area. He guided more than 30 projects at undergraduate level. He attended more than twenty five workshops and conferences in best institutions of the country. He organized many International Conferences and seminars during past few years. His area of interest is Decision Sciences, Business Analytics & Big Data, Project Management, Total Quality Management and Six Sigma. He is actively involved as the reviewer in the best journals of his research domain. He is life member of various professional bodies like Indian Society of Technical Education, Indian Welding Society, Society of Automobile Engineers and Indian Institutions of Industrial Engineering etc.

Dr. Md Ehsan Asgar



Dr. Md Ehsan Asgar works as an Assistant Professor in HMR Institute of Technology and Management, New Delhi affiliated with Guru Gobind Singh Indraprastha University (GGSIU). Mr. Asgar has an experience of more than 12 years in higher technical education at UG level teaching and research. He is completed his Ph.D from Guru Gobind Singh Indraprastha University, New Delhi in year 2022.

His research area includes Automation, Robotics, Advanced Manufacturing and Additive Manufacturing. He guided more than 10 projects in Undergraduate level. He has over 15 international research publications in indexed journals and 2 patent published. He attended more than 30 seminars, workshop, conference and FDP in past few years. He is also an active author, reviewer and member of

technical programme committee in various academic organizations. He has previously worked as a convener of and organizing members in various Conferences.

Dr. Pradeep



Dr. Pradeep works as Assistant Professor in HMR institute of Technology and Management, New Delhi affiliated with Guru Gobind Singh Indraprastha University. He has an experience of more than 14 year in higher technical education at UG level teaching and research. He is completed his Ph.D from Singhania University Rajasthan in year 2014.

His research area Digital Signal Processing, Communication Systems, Artificial intelligence and Machine learning. He guided more than 20 projects in UG and PG level. He has over 14 international research publication in indexed journals and 1 patent. He attended more than 35 seminar, workshops, conference and FDP in past few years. He is also active author, reviewer and member of technical programme committee in various academic organization. He has previously worked as convener and organizing member in various conferences.

Abhendra Pratap Singh



Abhendra Pratap Singh is working as an Assistant Professor in HMR institute of technology and management, affiliated to GGSIPU, Delhi India. He is Pursuing Ph,d from IIT Delhi. He completed M. Tech in Tool Engineering from Delhi Institute of Tool Engineering, Delhi & B. Tech in Mechanical and Automation Engineering from Amity University, Noida Sector-125, India. With ABET accreditation from Japan. He has 5 years' experience of teaching in the vast landscape of artificial intelligence in mechanical Engineering. His interests encompass Static, mechanical and Dynamics of composite structures, Honeycomb Structures, Hybrid sandwich modeling, tapered and laminated composites and Cutting. He has an impressive publication record with over 30+ research papers in Indexed high-impact factor international journals. He has attended many seminars, conferences, and training programs. His innovative spirit is demonstrated by many published & granted national and international patents. He has previously worked on the various editorial positions of several volume editions.



HMR Institute of Technology & Management

(An ISO 14001:2015 Certified Institute, Approved by AICTE & Affiliated to Guru Gobind Singh Indraprastha University)
Hamidpur, Delhi-110036 Phone: 8130643674, 8130643690, 8287461931, 8287453693
Email ID: hmritmdirector@gmail.com

Convener, ICAMC-2025



Message

It is my great pleasure to welcome you all to the **3rd International Conference on Emerging Applications of Artificial Intelligence, Machine Learning, and Cybersecurity (ICAMC-2025)**, being held at **HMR Institute of Technology & Management, New Delhi, on May 1–2, 2025**.

As Conference Convener, I am honored to lead this initiative, which provides a cross-disciplinary platform for researchers and practitioners to explore the dynamic realms of Artificial Intelligence, Machine Learning, and Cybersecurity.

I extend my heartfelt thanks to the organizing committee for their dedication to editing the proceedings and managing logistics.

I am thankful to the Hon. Chairman Sh. Anil Kumar Gupta, Director General Sh. Umesh Kumar Tyagi, Director Prof. V.C. Pandey and Dy. Director Dr. Shalini Gupta for their continuous support. I am also thankful to all organizing team members for tireless effort to make the conference successful.

The conference would not have been possible without the enthusiastic and hard work of faculty members, staff and students of HMR Institute of Technology & Management. I also want to express my sincere appreciation to the Technical Program Committee members for timely critical review of the submitted papers. Last, but certainly not least, my thanks go to all the authors who submitted papers and all the attendees. I hope that you will find the program stimulating and a source of inspiration for future research.

Md. Ehsan Asgar

Dr. Md Ehsan Asgar

Committees for the Conference

Chief Patron

- Hon'ble Sh. Anil Kumar Gupta, Chairman, HMRITM

Patron

- Sh. Umesh. K. Tyagi, IAS (R)
- Prof. (Dr.) V.C. Pandey, Director, HMRITM

General Chair

- Prof. (Dr.) S. K. Garg, DTU, New Delhi

Program Chair

- Prof. (Dr.) Shalini Gupta, Dy. Director, HMRITM

Convener

- Dr. Md Ehsan Asgar, HMRITM

Organizing Committee

- Dr. Padmaja Panda, HMRITM
- Dr. Taruna Sharma, HMRITM
- Dr. Uma Gautam, HMRITM
- Dr. Archana Sahay, HMRITM
- Ms. Usha Dhankar, HMRITM
- Ms. Renu Chaudhary, HMRITM
- Mr. Rajeev Ranjan, HMRITM
- Ms. Gurpreet Kaur, HMRITM
- Mr. Nitin Gupta, HMTM

Advisory Committee

- Prof. (Dr.) Valentina Emilia Balas, Aurel Vlaicu University of Arad/Academy of Romanian Scientists, Romania
- Dr. Brij N. Singh, John Deere, North Dakota, United States
- Prof. (Dr.) S. K. Garg, Delhi Technological University, New Delhi
- Prof. (Dr.) Navin Rajpal, USICT, Guru Gobind Singh Indraprastha University, New Delhi
- Prof. (Dr.) Devendra K. Tayal, Indira Gandhi Delhi Technical University for Women, New Delhi
- Prof. (Dr.) M. Bala Krishna, USICT, Guru Gobind Singh Indraprastha University, New Delhi
- Prof. (Dr.) Ajay Singh Singholi, USAR, Guru Gobind Singh Indraprastha University, New Delhi
- Prof. (Dr.) Ravi Shankar, Indian Institute of Technology Delhi, New Delhi
- Prof. (Dr.) M. N. Hoda, Editor-In-Chief, International Journal of Information Technology (BJIT), Published By Springer Nature (Singapore)
- Prof. (Dr.) A. K. Mohapatra, Indira Gandhi Delhi Technical University for Women, New Delhi
- Prof. (Dr.) Noredine Gherabi, Sultane Moulay Slimane University, Morocco
- Prof. (Dr.) Vijyant Agarwal, Netaji Subhas University of Technology, New Delhi
- Dr. V. K. Panchal, Former Director & Scientist 'G' Of Defence Terrain Research Lab (DTRL/DRDO), New Delhi
- Prof. (Dr.) Mridula Gupta, University of Delhi, South Campus, New Delhi
- Prof. (Dr.) Biswajeet Mukherjee, Department of Electronic Science, University of Delhi, New Delhi
- Prof. (Dr.) Prashant Kumar Jain, Indian Institute of Information Technology, Jabalpur
- Prof. (Dr.) Gareth Howells, University of Essex, United Kingdom
- Prof. (Dr.) Deepa Sinha, South Asian University, New Delhi
- Prof. (Dr.) Ashish Agarwal, IGNOU, New Delhi
- Dr. Haider Raza, University of Essex, United Kingdom
- Dr. Nitin Saini, Strategy & Special Initiatives - Public Services India, Tata Consultancy Services

Keynote Speaker

- Prof. (Dr.) M. N. Hoda, Editor-In-Chief, International Journal of Information Technology (BJIT), Published By Springer Nature (Singapore)
- Prof. (Dr.) Biswajeet Mukherjee, Department of Electronic Science, University of Delhi, India

Peer Review Policy

ICAMC-2025 was committed to maintaining the standards of academic integrity and scholarly excellence. The peer review process ensured that all submitted papers were evaluated rigorously, fairly, and transparently, fostering high-quality research contributions.

Review Process

1. Initial Screening

All submissions were checked for relevance, originality, and adherence to the conference's scope and formatting guidelines before being assigned to reviewers.

2. Assignment of Reviewer

Each paper was reviewed by at least two independent experts with relevant subject matter expertise.

3. Evaluation Criteria

Papers were assessed based on the following factors:

- Originality and novelty of research
- Technical quality and methodology
- Clarity and organization
- Significance and impact of findings

Final Decision

The final acceptance or rejection of papers was based on reviewer recommendations and program committee deliberations. All decisions were final and aimed to maintain the conference's academic integrity.



PROCEEDINGS OF THE 3^RD
INTERNATIONAL CONFERENCE ON

ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND CYBERSECURITY

Editors:

Dr. Vivek Chandra Pandey

Dr. Md Ehsan Asgar

Dr. Pradeep

Abhendra Pratap Singh



To learn more about AIJR Publisher
Please visit us at www.aijr.org

