



DON BOSCO COLLEGE OF ARTS AND SCIENCE, KEELA ERAL

(Affiliated to Manonmaniam Sundaranar University – Tirunelveli)

International Seminar on

Human-Machine Teams: The Future of Work and Innovation

Organized by: Department of Computer Applications

Date : February 27, 2025

Venue: Conference Hall

Introduction:

The Department of Computer Applications, in collaboration with Eternal Scientific Publications, successfully organized an International Seminar on “Human-Machine Teams: The Future of Work and Innovation.” The seminar aimed to provide insights into the evolving synergy between humans and intelligent machines, with discussions on Artificial Intelligence (AI), Machine Learning (ML), and Human-Machine Collaboration.

A total of 93 participants from various colleges attended the event, including faculty members, research scholars, and industrialists. Additionally, 60 students from the BCA department actively participated, making the seminar an enriching academic experience

Inaugural Session:

The event commenced with a prayer song followed by a welcome address by the organizing committee.

Felicitation Address:

The Secretary, Rev. Dr. P. Rajadevan, delivered the felicitation address, emphasizing the importance of AI and human collaboration in shaping the future workforce.

Guests of Honour:

Dr. M. Prabhu, Principal In-Charge

Rev. Fr. Peter Arokia Raj, Academic Coordinator

They shared their valuable insights on the role of emerging technologies in industry and research.

Technical Sessions:

Session I: Human and Machine Intelligence

Speaker: Dr. P. Arockia Jansi Rani

Designation: Associate Professor, Manonmaniam Sundaranar University

Time: 10:00 AM - 11:15 AM

Dr. P. Arockia Jansi Rani explored the synergy between human cognition and artificial intelligence. The session covered:

Machine Learning Algorithms and their real-world applications

Neural Networks and their impact on automation

Ethical Considerations in AI-powered decision-making

Her session provided valuable insights into how AI can augment human capabilities rather than replace them.

Tea Break (11:15 AM - 11:30 AM)

Session II: AI/ML-Based Fraud Detection in Insurance

Speaker: Rajkumar G. S.

Designation: Golden Bear Insurance Company

Time: 11:30 AM - 11:45 AM

Rajkumar G. S. discussed AI/ML applications in fraud detection within the insurance sector. Key highlights included:

- Predictive Analytics and Risk Assessment
- Anomaly Detection Algorithms in fraud identification
- Case Studies on real-world insurance fraud detection

This session provided practical knowledge on how AI is transforming financial security and fraud prevention.

Session III: AI-Powered Research

- Speaker: Dr. K. Balasubramanian
- Designation: Professor & Head, Kalasalingam Academy of Research and Education
- Time: 11:45 AM - 1:00 PM

Dr. K. Balasubramanian delivered an insightful session on AI's role in revolutionizing research methodologies. He highlighted:

- AI in Data Analysis and Scientific Research
- Automation of Research Processes using AI
- The Future of AI-Assisted Scientific Discoveries

His session encouraged students and scholars to integrate AI tools into their research practices for better efficiency and accuracy.

Lunch Break (1:00 PM - 1:30 PM)

Valedictory Ceremony (2:00 PM - 2:30 PM):

The seminar concluded with a valedictory function, where guest speakers and participants were honored with certificates of appreciation.

Special Appreciation:

The Secretary, Rev. Dr. P. Rajadevan, congratulated the organizers for successfully conducting an international-level seminar.

Dr. M. Prabhu, Principal In-Charge, emphasized the need for continuous learning and adaptation to AI-driven technologies.

Rev. Fr. Peter Arokiaraj, Academic Coordinator, praised the speakers for their enriching sessions and encouraged students to explore interdisciplinary research opportunities.

The organizing committee expressed gratitude to all dignitaries, participants, and volunteers for their enthusiastic involvement.

Conclusion:

The International Seminar on Human-Machine Teams successfully provided a platform for knowledge exchange on AI, ML, and Human-Machine Collaboration. The sessions were highly informative, offering:

- Real-world AI applications in research and industry
- Ethical considerations in AI decision-making
- Future trends in AI-powered workforce integration

The Department of Computer Applications is committed to hosting more intellectually stimulating events to empower students and researchers with emerging technological advancements.

This remarkable seminar marked another milestone in Don Bosco College's journey towards academic excellence and technological innovation.

Staff

Principal

