Technical Program with session wise details and name of session chair co-chair

Day 1: February 27, 2025

Registration and Welcome Tea

- **Time:** 8:30 AM - 9:00 AM

Inaugural Session

- **Time:** 9:00 AM - 9:45 AM
- **Details:**
    - **Welcome Address:**Dr. Y D Borole Conference Chair
    - **Inaugural Speech:** In Process
    - **Introduction to the Conference Theme:** Dr Subhash Jadhav

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Keynote Session 1

- **Time:** 9:45 AM - 10:15 AM
- **Speaker:** Dr. Kavi Arya, Professor, IIT Bombay
- **Topic:** " Robotics Innovation through AI"

Tea Break

- **Time:** 10:15 AM - 10:30 AM

Technical Session 1: AI in Healthcare

- **Time:** 10:30 AM - 12:30 PM
- **Session Chair:** In Process
- **Session Co-Chair:** Dr Shrikant Dhamdhere
- **Details:**
    - **Keynote Speaker :** Dr.Sachi Nandan Mohanty, Professor in School of Computer Science &Engineering, VIT-AP University, Andhra Pradesh Topic: "AI for Personalized and Predictive Medicine" (20 minutes)
    - **Paper Presentations:** (6 papers, each 15 minutes)
        1. "Deep Learning for Radiology Applications"
        2. "AI-Powered Drug Discovery: Opportunities and Challenges"

      3. "Explainable AI in Clinical Decision Support Systems"
      4. "AI for Epidemic Prediction and Management"
      5. "Wearable Technology and AI in Health Monitoring"
      6. "AI Applications in Telemedicine and Remote Healthcare"

Lunch Break

- **Time:** 12:30 PM - 1:30 PM

Technical Session : Machine Learning Foundations and Optimization

- **Time:** 1:30 PM - 3:30 PM
- **Session Chair:** In Process
- **Session Co-Chair:** Dr. Shwetal Patil
- **Details:**

Keynote Speaker 3: Mr. Vinothkumar Kolluru Senior Data Scientist, Fractal Analytics, The World Trade Center (WTC) in New York, US
- Topic: "Optimization Techniques in Machine Learning Models and AI in Retail " (20 minutes)

- **Paper Presentations:** (6 papers, each 15 minutes)
  1. "Advanced Optimization in Reinforcement Learning"
  2. "Feature Engineering for Improved Classification Accuracy"
  3. "Federated Learning in Privacy-Sensitive Environments"
  4. "Meta-Learning for Adaptable AI Systems"
  5. "Real-Time Decision Making with Edge Computing"
  6. "Evolutionary Algorithms for Neural Network Training"

Tea Break

- **Time:** 3:30 PM - 3:45 PM

Technical Session : Natural Language Processing

- **Time:** 3:45 PM - 6:00 PM
- **Session Chair:** In Process
- **Session Co-Chair:** Dr. Snehal Karad
- **Details:**
  - **Keynote Speaker 4:** Mr Amol Chaphekar Managing Director AC Innovation Lab & Ventures Ltd, Pune

- o Topic: " Futuristic AI in real applications with Advancements in Multimodal NLP Systems" (20 minutes)
- o **Paper Presentations:** (8 papers, each 15 minutes)
    1. "Transformer Models in Multilingual Applications"
    2. "NLP for Real-Time Sentiment Analysis in Social Media"
    3. "Conversational AI for E-Commerce and Customer Support"
    4. "Semantic Search Models for Knowledge Management Systems"
    5. "Speech Recognition Using Deep Neural Networks"
    6. "Ethical Issues in Automated Text Generation"
    7. "Text Summarization with Reinforcement Learning"
    8. "AI for Real-Time Transcription and Translation"

Day 2: February 28, 2025

Registration and Welcome Tea

- **Time:** 8:30 AM - 9:00 AM

Keynote Session :

- **Time:** 9:00 AM - 9:30 AM
- **Speaker:** Dr. Mohamed Sirajudeen Yoosuf**,** Department of Mathematics and Computer Science,Modern College of Business and Science, Muscat, Oman
- **Topic:** "AI for Environmental Sustainability and Green Technology"

Technical Session 4: AI in Emerging Domains

- **Time:** 9:30 AM - 11:30 AM
- **Session Chair:** In Process
- **Session Co-Chair:** Dr.Babaso Shinde
- **Details:**
    - o **Keynote Speaker 6:** Dr. Prashant G. Kawar, ICAR-Directorate of Floricultural Research, Zed Corner, Mundhwa Manjri Road, Mundhwa, Pune Topic: "AI Innovations in FinTech and Cybersecurity" (20 minutes)
    - o **Paper Presentations:** (6 papers, each 15 minutes)
        1. "AI Applications in Smart Cities and Urban Planning"
        2. "Blockchain-Enabled AI for Secure Transactions"
        3. "AI for Precision Agriculture and Crop Monitoring"
        4. "Role of AI in Autonomous Drone Navigation"
        5. "Predictive Analytics for Disaster Management"
        6. "AI in Gaming: Procedural Content Generation"

Tea Break

- **Time:** 11:30 AM - 11:45 AM

Technical Session 5: Computer Vision

- **Time:** 11:45 AM - 1:45 PM
- **Session Chair:** In Process
- **Session Co-Chair:** Dr. Jayshree Shinde
- **Details:**
  - **Keynote Speaker :** Dr. Anil Khar, AI-Driven Innovations for Onion Seed Producers
  - Topic: "The Role of AI in Image and Video Analytics" (20 minutes)
  - **Paper Presentations:** (6 papers, each 15 minutes)
    1. "AI for Autonomous Vehicle Navigation"
    2. "Enhancing Image Recognition with GANs"
    3. "Object Detection in Surveillance Systems"
    4. "AI for Satellite Image Processing and Analysis"
    5. "Video Analytics in Smart Retail Systems"
    6. "AI for Medical Imaging and Diagnostics"

Lunch Break

- **Time:** 1:45 PM - 2:30 PM

Panel Discussion: Ethical and Responsible AI

- **Time:** 2:30 PM - 3:30 PM
- **Moderator:** In Process
- **Panelists:**
  - Panelist 1: "Ethical Challenges in AI Development"
  - Panelist 2: "Addressing Bias and Fairness in AI Models"
  - Panelist 3: "Governance and Regulation for AI Technologies"
  - Panelist 4: "Future Roadmap for Responsible AI Deployment"

Tea Break

- **Time:** 3:30 PM - 3:45 PM

Valedictory Session

- **Time:** 3:45 PM - 5:00 PM
- **Details:**
  - **Keynote Speaker:** Dr. Fernando Moreira, Professor Catedratico at Science and Technology Department, Universidade Portucalense (UPT).
  - Topic: "The Road Ahead: AI for Inclusive Growth" (20 minutes)
  - **Conference Summary:** Dr Y D Borole
  - **Awards:** Best Paper and Best Presentation Awards
  - **Vote of Thanks:** Dr Jyoti Deshmukh, Conference Co-Chair

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Networking and Closing

- **Time:** 5:00 PM - 6:00 PM
- Informal discussions and collaboration opportunities among participants with

  1. Dr. CS Unnikrishnan Department Of Computer Science And Engineering, Defence Institute Of Advanced Technology, (Deemed University) Girinagar, Pune,Maharashtra, India

  2. Dr Maryam Shojaei Baghini, Professor, IIT Bombay

  3. Dr. Anil Khar, Directorate of Onion and Garlic Research, Pune-Nasik Highway, Rajgurunagar, Pune