



SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING

(AUTONOMOUS INSTITUTION, AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

DEPARTMENT OF INFORMATION TECHNOLOGY

PRE-CONFERENCE
WORKSHOP
for
ICCCSP 2026

AI in Smart Manufacturing:

Igniting the Era of Intelligent Industrial Agents

Exploring decision intelligence, industrial AI agents, transformers and autonomous AI-driven manufacturing ecosystems.

ABOUT THE WORKSHOP

This workshop explores the transition from traditional automated manufacturing to agentic smart manufacturing, powered by advanced AI architectures such as Transformers and large-scale foundation models. Participants will gain practical insights into how intelligent agents process multimodal telemetry to detect anomalies, resolve bottlenecks, and autonomously manage real-time physical interventions.

DATE
June 23, 2026
(Tuesday)

TIME
8:30 - 10:30 AM

VENUE
IT Seminar Hall
SSNCE

SPEAKERS & SESSIONS



Dr. Karthikeyan Vaiapury

Scientist
Tata Consultancy Services
Research & Innovation

PhD – Queen Mary
University of London



Session Title:
Decision Intelligence in
Smart Manufacturing Systems



Dr. Shajith Ikbal

Senior Research Scientist
IBM Research
AI India

PhD – EPFL, Lausanne,
Switzerland



Session Title:
*The Evolution of Transformers:
How Transformers Sparked
the Agentic Era*

KEY TAKEAWAYS



Decision
Intelligence
Systems



Intelligent
Industrial
Agents



Transformers &
Foundation
Models



Industrial
AI & IoT



Autonomous
Manufacturing
Operations



Real-Time
Operational
Intelligence

ABOUT THE SPEAKERS

Dr. Karthikeyan Vaiapury

is a Scientist at Tata Consultancy Services Research & Innovation, working at the intersection of artificial intelligence, probabilistic forecasting, and decision intelligence systems for complex industrial applications. He holds a PhD from Queen Mary University of London, with research spanning model-based vision systems for aerospace, uncertainty modeling, and real-world AI deployment challenges, along with an MS (by research) from the National University of Singapore and a BTech in Information Technology.

Dr. Shajith Ikbal

is a Senior Research Scientist at IBM Research AI India. His research work at IBM has spanned across a wide variety of AI topics including Machine Learning, Deep Learning, Knowledge Representation, Reasoning, Neuro-Symbolic Methods, Natural Language Understanding and Speech Recognition/Understanding. His PhD (2004) is from the CS Department of EPFL, Lausanne, Switzerland. His MS is from IIT Madras and BTech from MIT, Anna University, Chennai, India.



REGISTRATION

REGISTRATION FEES



Faculty / Industry

₹300



Research Scholars /
UG / PG Students

₹150

SCAN TO REGISTER



FACULTY COORDINATORS



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