



Regional Institute
of
Printing Technology
(Government of West Bengal)



4-Day Online Workshop

on

“Applications of AI in the Printing Industry (AAIPI) ”

11th, 12th, 18th and 19th April 2026

Organized by the Department of Printing Technology, Regional Institute of Printing Technology, Kolkata



Contact details

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About this workshop

This workshop provides a structured, practice-oriented introduction to the applications of Artificial Intelligence (AI) in the printing industry. Participants will gain foundational knowledge of AI, machine learning, and explore their use in areas such as prepress automation, predictive maintenance, workflow optimisation, and quality assurance. Through lectures, demonstrations, and interactive sessions, the programme equips participants with practical skills to apply AI for defect detection, process optimisation, and data-driven quality control in modern printing workflows.

Expected outcomes

On completion of this workshop, participants will be able to:

- Explain basic AI concepts relevant to printing technology.
- Apply AI methods for image analysis, defect detection, and workflow improvement.
- Demonstrate the use of AI in digital printing and automated workflows.
- Analyze print data to support maintenance and operational decisions.
- Assess AI-based approaches for color management and print quality control.
- Develop simple AI-enabled solutions for academic or industry applications in printing.

About RIPT

The Regional Institute of Printing Technology (RIPT), Kolkata, established in 1956, is a pioneering government polytechnic dedicated to printing, photography and multimedia education. Functioning under the Directorate of Technical Education & Training, Government of West Bengal, and affiliated to the West Bengal State Council of Technical and Vocational Education and Skill Development, RIPT offers three-year full-time diploma programmes in Printing Technology, Photography and Multimedia Technology. Located in the Jadavpur academic hub, the institute combines strong theoretical foundations with intensive laboratory-based training, giving students hands-on exposure to modern printing, prepress, colour management and graphic communication workflows. Over the decades, RIPT has produced a large pool of skilled technologists and educators who serve the printing, packaging, publishing and media industries across India and abroad, reinforcing its reputation as a specialised centre of excellence in graphic and media technology.

Thrust areas

- Fundamentals of AI/ML
- AI in digital printing
- AI in predictive machine maintenance
- AI in information management
- AI in workflow automation
- AI in quality assurance

Keynote speakers



Dr Arpitam Chatterjee, HoD & Associate Prof, Dept. of Printing Engineering, Jadavpur University.
Specialization: AI in digital printing



Shri Shankhya Debnath. Lecturer in Printing Technology, RIPT.
Specialization: AI in print metrology



Shri Pritam Ghosh. Lecturer in Computer Science & Technology, RIPT.
Specialization: AI and IoT



Shri Avijit Kar, Senior Research Fellow, Dept of Printing Engg, Jadavpur University.
Specialization: Predictive maintenance.



Shri Parmeshwar Patidar. CEO, Indus Analytics.
Specialization: Information management



Shri Indukalpa Saikia. Product Specialist, Heidelberg India.
Specialization: Print workflow



Shri Das Damodaran. Business Director, Farb Technologies.
Specialization: Print quality assurance.

Who can participate

- Senior managerial professionals in the print industry.
- Print production managers and supervisors.
- Quality assurance professionals in the printing industry.
- Researchers and academicians specializing in printing technology.
- Diploma, Graduate and Postgraduate students and professionals seeking to upgrade skills on leveraging AI in print applications.

Important dates

- Registration opens: 01.03.2026
- Early-bird registration: 01.03.2026 to 20.03.2026
- Late registration: 21.03.2026 to 09.04.2026
- Registration closes: 09.04.2026
- Fees payment deadline: 09.04.2026
- Inaugural session: 11.04.2026

Registration fees

- Early bird registration fees is INR 1500/- per person (01.03.2026 to 20.03.2026).
- Late registration fees (21.03.2026 to 09.04.2026) is INR 2000/- per person payable to Regional Institute of Printing Technology, Kolkata.

Important links

- Click to register: [here](#)
- Workshop homepage can be found [here](#)