

## SHORT TERM REFRESHER COURSE ON "FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING"

**Dates:** Five Working Days

**Event Format:** Online Course

**Host:** RTC NEW DELHI, INDIA

**Language:** Hindi / English |

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<b>Description</b>	The Information Communication and Instrumentation Training Centre (ICITC), RTC in India (New Delhi) is offering a Refresher Training Programme to personnel working as Scientist / Meteorological Technicians/ Operators. A five working days short-term training course "Fundamental of AI/ML", which will be helpful to the professionals to improve their skills as well as refresh the subject. The delivery mode of this training programme is online only. The subjects taught are Introduction to Artificial Intelligence, Problems, Problem Spaces and Search. Intelligent Agents , Uncertainty and Knowledge Reasoning, Bayes' Rule ,Bayesian network in Weather Forecasting, Introduction to Machine Learning, Machine Learning Pipeline, Machine Learning in meteorology, Introduction to Supervised Learning, Introduction to Unsupervised Learning and Challenges of Machine Learning in meteorology.
<b>Qualification</b>	B.Sc./ M.Sc./ B.E./ B. Tech./ BIP-MT or equivalent
<b>Target Audience</b>	Related to Meteorology
<b>Organizer</b>	India Meteorological Department, Ministry of Earth Sciences, Government of India
<b>Expected Outcomes</b>	Participants are expected to learn/improve their knowledge and skills related to Artificial Intelligence and Machine Learning. AI/ML uses in meteorology and Bayesian network in Weather Forecasting. By assimilating historical data, AI algorithms learn patterns, aiding in weather predictions. Its machine learning capabilities enable it to adapt to changing weather conditions, enhancing forecast precision. AI-driven analysis offers insights into complex atmospheric behaviours, enriching predictive models.