



Three- Day Training Program

ADVANCED DATA SCIENCE, ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

May 18-20, 2026 | Monday- Wednesday

About Program

Karnataka Science and Technology Academy (KSTA) proposes to organize an intensive 3-day training workshop on “Advanced Data Science, Artificial Intelligence & Machine Learning” which is designed to bridge the gap between academics and industry. This program equips students with advanced skills in Data Science, AI, and ML through expert-led sessions, live coding labs, and a real-world capstone project.

Objectives

- Introduce core concepts of Data Science, AI, and ML with real-world applications
- Provide hands-on training in Python, data analysis, visualization, and ML algorithms
- Bridge the gap between academic curriculum and industry requirements
- Encourage students to pursue research and innovation in AI/ML domains

Registration

- Intake 70 participants only | First-Come-First-Serve
 - **UG, PG Students: Rs. 499/-**
 - **Research Scholar & Associate Members of KSTA: Rs. 799/-**
 - **Faculty Members: 999/-**
- Registration fee Includes food and workshop materials

Requirements

Participants must bring laptops with Python 3.10+, Anaconda/Jupyter pre-installed. Setup guide will be shared after registration.

- ✦ Certificates will be issued to participants who fulfills the 100% attendance.

Day 1: Foundations of Data Science



- Introduction to Data Science lifecycle & Python basics
- Data collection, cleaning, and exploratory data analysis
- Hands-on: NumPy, Pandas, Matplotlib

Day 2: Machine Learning Fundamentals



- Supervised vs Unsupervised Learning
- Key algorithms: Regression, Classification, Clustering
- Hands-on: Scikit-learn, model building & evaluation

Day 3: AI Applications & Project Work



- Introduction to Neural Networks & Deep Learning basics
- AI use-cases: NLP, Computer Vision, Generative AI overview
- Mini-project: End-to-end data pipeline & group presentations

Resource Experts

- Experts from IISc, IIIT-B, RVCE, NIAS, and Industry

Accommodation

- Accommodation on sharing basis will be provided to outstation participants on a payment basis (Rs. 350/- per day per person)



Note: Institutions having Institutional Membership with KSTA are eligible for exemption of registration fee for two participants (students/faculty members).

Registration Link <https://forms.gle/Dyf9KfQ8ShnRLDHH6>

SCAN & PAY



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