

Event Name	One week FDP on “Artificial Intelligence & Machine Learning (AIML-2025)”		
Centre (name)	IETE Kalaburagi Sub Centre, Kalaburagi		
Venue (College/Institute)	Lingaraj Appa Engineering College, Bidar		
Date & Time	26 th to 30 th December 2025		
Resource Person	Mr. Bhargav P Raj AI Engineer, Cadmaxx Solutions Pvt. Ltd., Bengaluru.		
Topic of Chief Guest Speech & Highlights (Max. 25 words)	“Artificial Intelligence & Machine Learning (AIML-2025)”		
Important dignitaries attended	Shri Basavaraj S Deshmukh, Secretary, SVV Sangha, Kalaburagi Shri Sharanbasappa S Deshmukh, Director, LAEC, Bidar Dr. Umatai B Deshmukh, HOD of OBG, BRIMS, Bidar		
Brief Report including above information	DAY	TOPIC AREAS	KEY CONCEPTS
	DAY 01	Python Programming Foundations & Advanced Concepts	Python essentials, data structures, functions, file handling, and error handling, with 100% coding exercises
	DAY 02	Data Science: NumPy, Pandas & Visualization	Data wrangling, cleaning missing values and outliers, train-test split, EDA using Matplotlib and Seaborn, and Scikit-learn preprocessing pipelines
	DAY 03	Machine Learning with Scikit-learn	Supervised and unsupervised learning (k-NN, Linear/Logistic Regression, Decision Trees, Random Forests, Gradient Boosting), hyperparameter tuning, model evaluation (Accuracy, Precision, Recall, F1, ROC-AUC), and K-Means clustering
	DAY 04	Deep Learning & Computer Vision	Neural networks basics, activation functions, building networks with TensorFlow & Keras, CNNs for image classification, transfer learning, and object detection with YOLO
	DAY 05	Modern AI: LLMs, LangChain, Agentic AI & Firebase Integration	Generative AI & LLM ecosystem overview, prompt engineering, building RAG workflows, tool-using agents, local LLMs with Ollama, and full-stack AI app development with Firebase

PHOTOGRAPHS

Centenary Celebrated Sharnbasveshwar Vidya Vardhak Sangha's, Kalaburagi



Shri Basavaraj Deshmukh
Secretary, SVWS, Kalaburagi



Poetess Malashree
Dr. Chakrabhoyi S. Appa
President,
Sharnbasveshwar Vidya Vardhak Sangha,
Chancellor, Sharnbaswa University, Kalaburagi



Poetess Chiranjivi
Duddappa Appa
Kalaburagi Vidyapeeth, Kalaburagi



Poetess Dr. Sharnbaswappa Appa
Jai Mahalaxmi Pratishthan,
Sharnbasveshwar Sansthan,
Former President,
Sharnbasveshwar Vidya Vardhak Sangha,
Founder Chancellor, Sharnbaswa University



Poetess Duddappa Appa
Founder President,
Sharnbasveshwar
Vidya Vardhak Sangha



Malashree Godutai
Duddappa Appa



Shri Sharnbasappa Deshmukh
Director, LAEC, Bidar

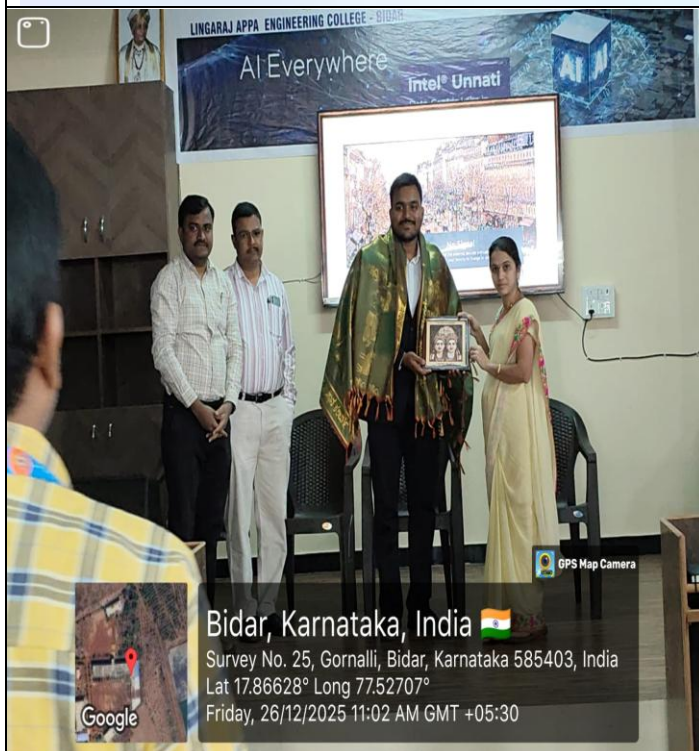
LINGARAJ APPA ENGINEERING COLLEGE, BIDAR

ONE WEEK OFFLINE FDP
On
**Artificial Intelligence and Machine Learning
(AIML - 2025)**

RESOURCE PERSON
MR. BHARGAV P RAJ

*AI Engineer, Cadmaxx Solutions Pvt. Ltd.,
Bengaluru*

Date: 26.12.2025 to 30.12.2025
Venue: Centre of Excellence Lab



Bidar, Karnataka, India 🇮🇳
Survey No. 25, Gornalli, Bidar, Karnataka 585403, India
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