||Jai Sri Gurudev ||
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(Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi)

Department of Artificial Intelligence and Machine Learning

Report on Deep Dive into Deep Learning

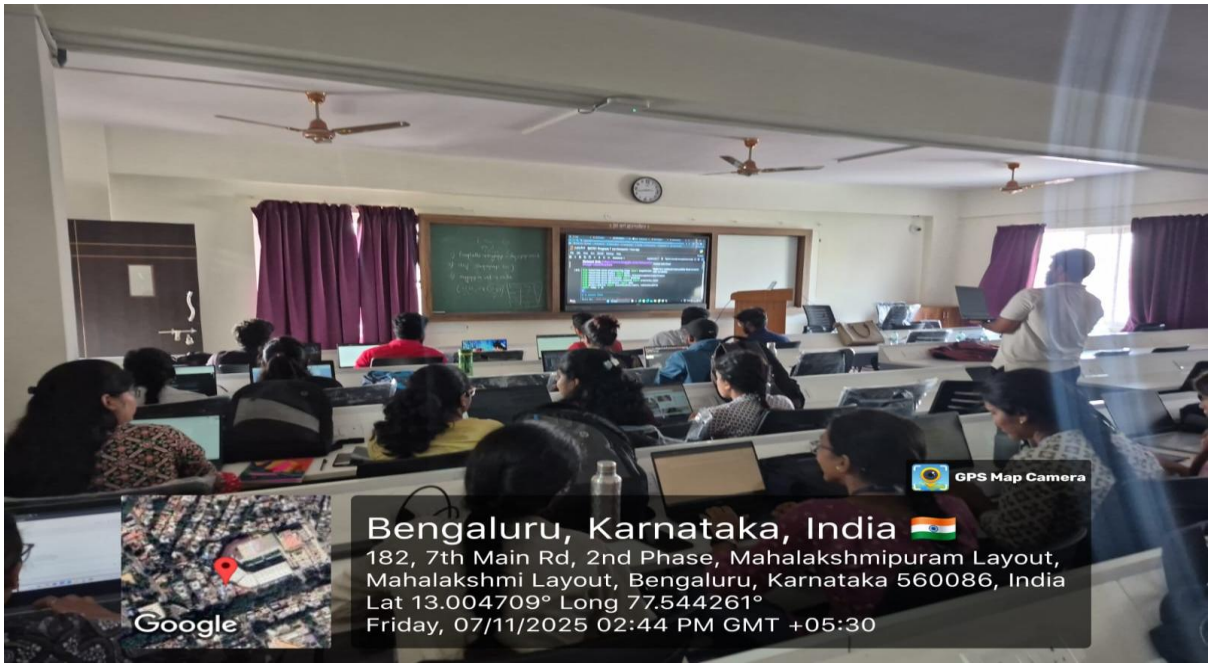
Title of the Program
Skill Development Program: Deep Dive into Deep Learning
Venue
Department of AI & ML Digital Classroom, BGSCET, Bengaluru
Date & Time
6th & 7th November 2025, 9:00 AM – 4:00 PM
Participants (attach attendance sheet)
Faculty- Dr. Jalaja G (HOD, AI & ML), Department Faculty Members Students- 69 (7th Semester Students, AI & ML Department)
Resource Person
Mrs. Roopa Mahadev (CEO, Accurate Info Solution) Mr. Shreyanth H G (Software Engineer, Accurate Info Solution)
Convenor/ Coordinators
Dr. Jalaja G Ms. Nishitha N Murthy
Session Details
The Department of Artificial Intelligence and Machine Learning organized a skill development program on *"Deep Learning"* The session focused on the theoretical and practical aspects of deep learning within data analytics. Students explored core concepts such as artificial neural networks, back-propagation, and gradient descent. The importance of activation functions, optimization algorithms, and loss functions was emphasized. Convolutional and recurrent neural network architectures were discussed for handling image and sequential data. Hands-on demonstrations using TensorFlow and Keras enhanced understanding of model design and training. Overall, the session highlighted how deep learning enables complex pattern recognition and intelligent automation.
Outcome/ Takeaway
• The session deepened understanding of neural network structures and learning mechanisms. • Students gained practical experience in building and training deep learning models. • Concepts like back-propagation, activation functions, and optimization were effectively applied.

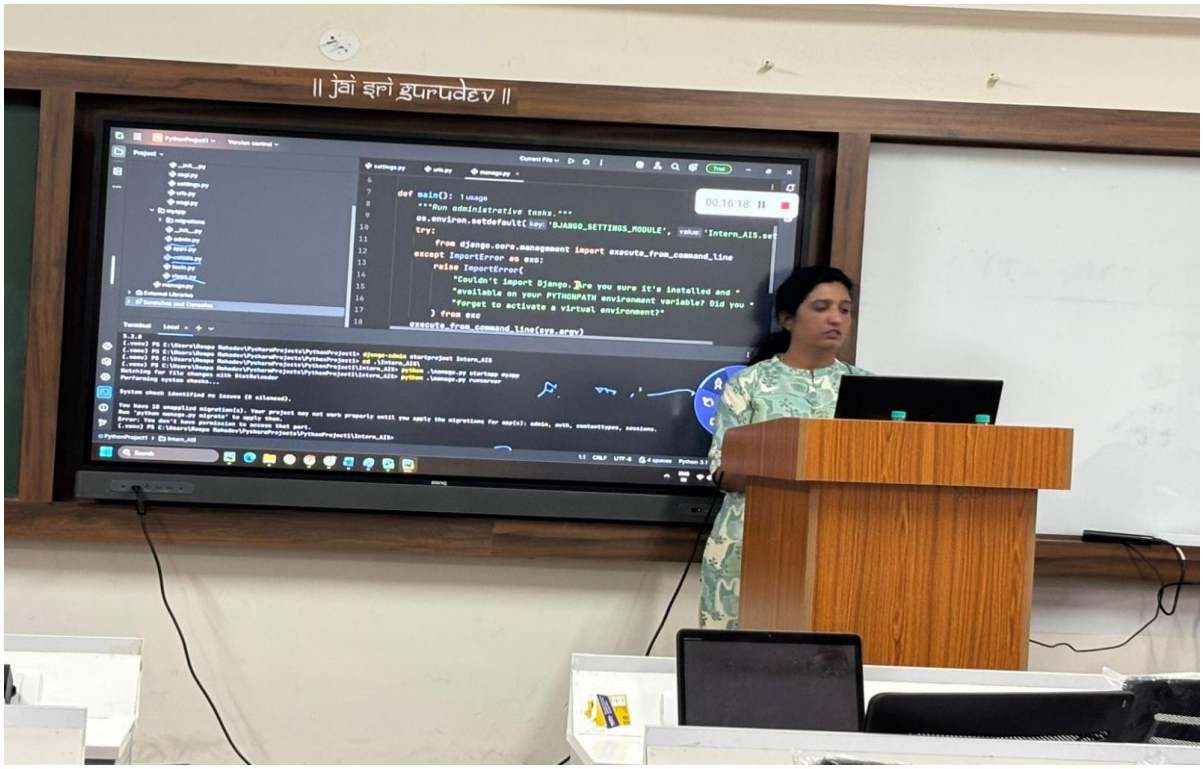
Hands-on work with TensorFlow and Keras improved technical implementation skills.

- Learners understood how deep learning supports automation and advanced data analysis.
- Overall, the session bridged theoretical knowledge with real-world artificial intelligence applications.

Poster

Photos(minimun 4 photos, photos should have good clarity)





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