ACHARYA

# ACHARYA INSTITUTE OF TECHNOLOGY

# DEEP LEARNING:
# FOUNDATIONS, CHALLENGES, AND RESEARCH

7th March 2025 | 09:00 am to 12:00 pm

Mechanical Seminar Hall, Acharya Campus

## About the Program

### Objectives of the Program

- Understand the Fundamentals of Deep Learning
- Explore Real-World Applications Across Domains
- Identify Challenges in Deep Learning
- Discover Cutting-Edge Research and Future Directions
- Provide Insights on Career & Research Opportunities

### Expected Outcomes

- Comprehensive Understanding of Deep Learning Fundamentals
- Awareness of Real-World Applications Across Multiple Domains
- Identification of Key Challenges in Deep Learning
- Familiarity with Emerging Research Trends and Future Directions
- Enhanced Readiness for Career and Research in Deep Learning

## Important Dates

| | |
|---|---|
| Date | 07th Mar 2025 |
| Time | 09:00 AM to 12:00 PM |
| Target Audience | Pre-Final Year Students and Faculty |
| Type of program | Guest Lecture |
| Venue | Mechanical Seminar Hall |

REGISTER NOW

## Resource Persons Details

### Dr. Jignesh S. Bhatt

**Designation :** Assistant Professor,
Department of Electronics and Communication Engineering IIIT,
Vadodara (Gandhinagar campus)

Dr. Jignesh S. Bhatt is an Assistant Professor at the Indian Institute of Information Technology Vadodara (IIITV), Gandhinagar campus, where he has been a faculty member since 2014. He earned his Ph.D. in Information and Communication Technology from Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, between 2010 and 2015. Prior to that, he completed his M.Tech. in Communication Systems from Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, from 2006 to 2008, and his B.E. in Electronics and Communications from Government Engineering College (GEC), Modasa, from 1997 to 2000. Dr. Bhatt's research interests encompass deep learning applications in medical imaging, remote sensing, and defense, with a particular focus on the interpretability of deep neural networks and computer vision. He has contributed to various publications in these domains, including co-authoring the book "Regularization in Hyperspectral Unmixing," published by SPIE Press. He is also a reviewer for several esteemed journals, including IEEE Transactions on Geoscience & Remote Sensing and IEEE Transactions on Computational Imaging.

## Committee Members

### ADVISORY COMMITTEE

- Dr. Rajeswari, Principal, AIT, Bangalore
- Dr. C K Marigowda, Vice Principal, AIT, Bangalore

### CONVENER

- Dr. Vijayashekhar S S, Associate Professor and Head, Department of Artificial Intelligence and Machine Learning, AIT, Bangalore

### CO-ORDINATOR

- Dr. Kavitha Nair R, Assistant Professor, Department of Artificial Intelligence and Machine Learning, AIT, Bangalore
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LOCATE US

**Event Coordinator**

Dr. Kavitha Nair R

Assistant Professor

Department of Artificial Intelligence & Machine Learning