



Centre for Multi-Disciplinary System Research Anna University, Chennai – 25



Two- and Four-week Internship Program (Online and Physical mode) on “VLSI Design Techniques for AI” for

UG, PG Students, Research Scholars, Technicians, Faculty and Industry Personals

Coordinator: Dr. J. Kamala, Prof. DECE, Director CMDSR

Topics to be covered

- ✓ FPGA building block architectures
- ✓ Verilog coding
- ✓ FPGA Lab sessions
- ✓ Analog IC Design
- ✓ ASIC Design Flow
- ✓ ASIC Design Lab Sessions
- ✓ Machine Learning Basics
- ✓ Neural Networks
- ✓ Hardware Accelerators for AI
- ✓ AI/ML algorithms for VLSI
- ✓ Edge AI
- ✓ Guided Project

Two and Four-week Internship Program (Online & Physical mode) on “Machine Learning” for

UG, PG Students, Research Scholars, Technicians, Faculty and Industry Personals

Coordinator: Dr. S. Sangeetha, Asst. Prof., DECE

Topics to be covered

- ✓ Machine Learning algorithms and real-world applications
- ✓ Python programming for machine learning
- ✓ Data preprocessing and feature engineering techniques
- ✓ Regression and classification models
- ✓ Model selection, validation, and hyperparameter tuning
- ✓ Neural network architectures and training
- ✓ Convolutional neural networks for image processing
- ✓ Natural language processing and feature extraction
- ✓ Domain-specific use cases in industry and research



Centre for Multi- Disciplinary Systems Research (CMDSR) has been formed as an autonomous research Centre. The centre has high potential to establish mutual collaborations with various industries and National statutory bodies which support its advanced research in the field of VLSI Design, Artificial Intelligence, Signal Processing, Embedded Systems, Cryptography, Electronics System Design, PV Electronics and Quantum Computing.

Internship Details	Theory (Hours)	Practical (Hours)	Guided Project	Internship Fee
2 Weeks Program Starts from 10 Dec 25 (online & physical mode)	30	30	-	Rs. 5310/- (inclusive of GST)
4 Weeks Program Starts from 10 Dec 25 (online & physical mode)	30	30	60 Hours	Rs. 9440/- (Inclusive of GST)

Minimum number of candidates required to conduct this course is 15.

Interested candidates submit your willingness in the following google form
<https://forms.gle/f8uqcrzXUvoqjf8L6>

Payment period: 4 – 9 Dec 2025 (After the acceptance from the Coordinator through mail)

Fee does not include Lunch. Accommodation at Anna University Campus will be available at additional charges, on prior request with a request letter forwarded by the Principal.

Contact us

Centre for Multi-Disciplinary System Research (CMDSR)
No. 315/316, Second Floor, Centre for Excellence Building
College of Engineering Guindy (CEG)
Anna University, Chennai 600 025
+91 9444148847, +91- 044- 22358898
cmdsrecg2022@gmail.com / dircmdsrecg@annauniv.edu
www.annauniv.edu/cmdsr

Internship Registration link

<https://forms.gle/DZGdc1xoHuSn6drZA>

Important Dates

Payment period: 4 – 9 Dec 2025

Internship starts from: 10.12.2025



Online participants will be joining through online-meet with interactive hands-on sessions. Physical mode participants are requested to bring your laptops for practical sessions. Minimum number of candidates required to conduct the course is 15.