

## REGISTRATION FORM

**PHYSICAL MODE - SIX DAYS FACULTY  
EMPOWERMENT  
PROGRAMME (FEP-WINTER 2024)  
ON  
“CEC362 - VLSI TESTING & DESIGN  
FOR TESTABILITY”**

10/02/2025 – 15/02/2025

1. Name :
2. Designation :
3. Gender :
4. Age & DOB:
5. Educational Qualification:
6. Professional Experience:
7. Institution Name& Address:

8. Email ID :
9. Mobile No :

I hereby declare that the above information is true to the best of my knowledge.

Date :  
Place:

Signature of theParticipant

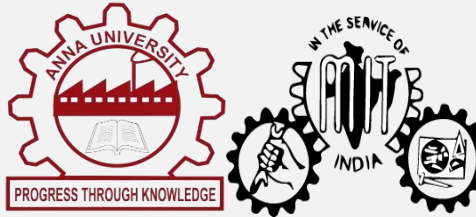
### Certificate from the Head of the Institution

Dr. / Mr./ Mrs. \_\_\_\_\_  
is a faculty member of our Institution. He/ She will be permitted to attend the Physical Mode-Six days (10/02/2025-15/02/2025) Faculty Empowerment Programme on “VLSI Testing & Design for Testability”.

Signature of the Head of the Institution  
/ Organization with Seal

**PHYSICAL MODE - SIX DAYS FACULTY  
EMPOWERMENT  
PROGRAMME (FEP-WINTER 2024)  
ON  
“CEC362 -VLSI TESTING & DESIGN  
FOR TESTABILITY”**

10/02/2025 – 15/02/2025



**Sponsored by**

**Centre for Faculty & Professional  
Development  
Anna University, Chennai-25**

**in Association with**



**Organized by**

**Department of Electronics Engineering  
Madras Institute of Technology  
Anna University, Chennai – 600044.**

**CO-ORDINATORS**

**Dr. S. P. JOY VASANTHA RANI,  
Prof., / Electronics Engineering  
Dr.O. VIGNESH  
Asst. Prof., / Electronics Engineering**

## ORGANIZING COMMITTEE

**CHIEF PATRON:**

**Dr. K.Gopal, I.A.S**

Chairman Convener Committee  
Additional Chief Secretary  
Higher Education Department  
Govt. of Tamil Nadu.

**Thiru T.AbrahamI.A.S**

Member Convener Committee  
Commissioner of Technical Education  
Directorate of Technical Education  
Govt. of Tamil Nadu

**Dr. S.Usa**

Member Convener Committee  
Professor & Chairperson  
Faculty of Electrical Engineering  
Anna University

**PATRON:**

**Dr. J. Prakash**

Registrar  
Anna University

**CO-PATRON:**

**Dr. K. Ravichandran**

Dean, MIT Campus  
Anna University

**CHAIR:**

**Dr. P. Vanaja Ranjan**

Director, CFPD,  
Anna University

**CONVENER:**

**Dr. D. Meganathan**

Prof & Head, Dept., of Electronics Engineering  
MIT Campus, Anna University

## ABOUT THE UNIVERSITY

Anna University was established on 4th September 1978 as a unitary type of University. It offers higher education in Engineering, Technology and allied Sciences relevant to the current and projected needs of the society. Besides promoting research and disseminating knowledge gained there from, it fosters cooperation between the academic and industrial communities. Anna University is of the affiliated type and is a member of the Association of Indian Universities, the Association of Commonwealth Universities and Partner of UNESCO International Center for Engineering Education (UICEE). With proven capabilities both in academic and research areas, Anna University was able to impart quality and excellence in Technical Education. As per NIRF ranking Anna University secured first rank in State Universities. Anna University has four Regional campuses at Coimbatore, Madurai, Tiruchirapalli and Tirunelveli to sphere head the academic activities throughout the state.

## ABOUT THE INSTITUTION

Madras Institute of Technology is one of the premier technical institutions started in the year 1949 by Shri. C. Rajam, an eminent industrialist. The institute is established as a result of a bold experiment in technical education as it introduced for the first time, totally unconventional Engineering courses such as Aeronautical Engineering, Automobile Engineering, Electronics Engineering and Instrumentation Engineering. It was merged with Anna University in the year 1978.

## ABOUT THE DEPARTMENT

The Department of Electronics Engineering established in the year 1949, has its core strength in the leading areas of Electronics & Communication Technology. The academic programmes offered in the Department are UG - B.E (Electronics and Communication Engineering), PG - M.E (Communication and Networking, VLSI Design and Embedded Systems & Wireless Technologies). The cutting-edge research areas include Artificial Intelligence, Image Processing & Pattern Recognition, Communication Technologies, Network Security, Sensor Networks, Optical Communication, Signal Processing, Embedded Systems and VLSI. The Department has collaborative partners from academia and industry both within India and worldwide.

## TOPICS TO BE COVERED

- Introduction to VLSI Design and Test
- Test Requirements and metrics.
- Scan Test and its types
- Built in self-test and self-checking circuits
- Memory Test and Test Interfaces
- Test control requirements
- Design Considerations and Power Management
- Analog test – Mixed signal, PLL, ADC & DAC.
- One day Hands on training -ATPG and DFT Digital IC flow using Cadence EDA tools

## ABOUT THE FEP

The Faculty Empowerment Programme is intended to provide opportunities for faculty members from University Departments, Constituent Colleges, Government colleges, Autonomous Institutions and Engineering Colleges affiliated to Anna University to enrich their knowledge. Resources persons from reputed institutions like IIT, Anna University, VIT, PSG College of Technology.

- **No Registration fee, TA and DA.**
- **Number of seats are restricted to 50.**
- **Selection will be based on first come first serve basis.**
- **Priority will be given to Junior faculty & Ad-hoc Faculty, Assistant professor & Associate Professor, Professor.**
- **Selected candidates will be intimated through e-mail.**
- **Lunch 2 days only (First and Last day of the Program)**
- **The Certificate will be issued only for those participants who have secured at least 80% Attendance and 60% marks in the test.**
- **Submit the duly filled application form to [Google registration link](#).**

### Registration Link:

<https://forms.gle/W8g4hzkkFQj2SLpn8>

### Contact Details:

Dr.S.P. Joy Vasantha Rani – 044 22516082

Dr.O.Vignesh – 9994242158

Mail ID: [vignesho@mitindia.edu](mailto:vignesho@mitindia.edu)

### Important Dates:

Last date of Submission :06/02/2025

Intimation of Selection :06/02/2025

Confirmation by Participants:07/02/2025