



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



**Two- and Four-week Internship Program (Offline) on
“ANALYSIS OF FUNCTIONAL MRI” for
UG, PG Students, Research Scholars, Faculty, Doctors and Industry Personals
Coordinator: Dr. O. Uma Maheswari, Prof. DECE**

Topics to be covered

- ✓ **fMRI Introduction:** SPM, FSL, AFNI, CONN toolbox ...
- ✓ **fMRI Data Preprocessing:** Motion correction, slice timing ...
- ✓ **Statistical Analysis:** Parametric maps- Generation & Interpretation...
- ✓ **Functional Connectivity Analysis:** Seed based and ICA ...
- ✓ **Advanced fMRI Techniques:** MVPA using PyMVPA, ML for fMRI ...
- ✓ **fMRI in Clinical and Cognitive Neuroscience:** Clinical dataset analysis and interpretation ...
- ✓ **Network based Analysis:** Brainnet Viewer ...
- ✓ **Artifact Detection and Correction:** Assess data quality...
- ✓ **Multi-modal Imaging:** Co-registration ...
- ✓ **Latest Research in fMRI:** Preprocessing to Interpretation Analysis ...

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

Internship Details	Theory (Hours)	Practical (Hours)	Guided Project	Internship Fee
2 Weeks Program (23 Dec 24 – 3 Jan 25) (online & offline)	30	30	-	Rs. 5310/- (inclusive of GST)
4 Weeks Program (23 Dec 24 – 3 Jan 25) (online & offline)	30	30	60 Hours	Rs. 9440/- (Inclusive of GST)

Interested candidates have to register for the internship using the google form link <https://forms.gle/pGGxi6KSXDJLNTFd7>

The participant has to upload college ID / work place ID and Payment receipt in the form.

Internship fee may be paid through

UPI to account number: 37614464781 (please mention participant name during payment)
or **Demand Draft** drawn in favor of **“THE DIRECTOR, CSRC, ANNA UNIVERSITY, CH-25”**

The Registration Form and DD/UPI Payment receipt to be posted to:

**“The Director, Center for Multi-Disciplinary System Research,
Department of ECE, College of Engineering Guindy,
Anna University, Chennai - 600025”**

Fee does not include Lunch. Accommodation at Anna University Campus will be available at additional charges, on prior request.



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.

Contact us

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Internship Registration link

<https://forms.gle/pGGxi6KSXDJLNTFd7>

Important Dates

Last date for registration – 18.12.2024

Internship starts from – 23.12.2024

Participants are requested to bring their laptops for practical sessions. Minimum number of candidates required to conduct the Internship is 15.

