



# ANNAMALAI UNIVERSITY 2026

(ACCREDITED WITH 'A+' GRADE BY NAAC)

ANNAMALAI NAGAR – 608002

DIRECTORATE OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP



WORKSHOP ON

## Applied AI in Genomics and Bioinformatics: Hands-On Training for Research and Clinical Translation



20 – 24 JULY 2026



FREE (DHR-ICMR FUNDED)  
LIMITED SEATS (30 PARTICIPANTS)



ANNAMALAI NAGAR  
608002, DSDE, TAMIL NADU.



### CHIEF PATRON

**Prof. S. Arivudainambi, Ph.D.,**  
Member, Vice Chancellor  
Convener Committee



### PATRON

**Prof. R. Singaravel, Ph.D.,**  
Registrar (i/c)



### VICE PATRONS

**Dr. T. Ramanathan, Ph.D.,**  
Director (i/c)

**Prof. S. Sriram, Ph.D.,**  
Dean  
Faculty of Marine Sciences

**Prof. C. KARTHIKEYAN, Ph.D.,**  
Dean  
Faculty of Engineering and Technology



### ORGANIZING SECRETARIES

**Dr. T. S. Anandhi**  
Professor & Director, DSDE  
**Dr. B. Deivasigamani**  
Associate Professor  
Deputy Director, DSDE



### CO-ORGANIZING SECRETARIES

**Dr. K. Sivakumar**  
Associate Professor  
**Dr. S. Bragadeeswaran** Professor  
**Dr. V. Ravi**  
Associate Professor  
**Dr. A. Saravanakumar**  
Associate Professor  
**Dr. S. Rajakumar, M.E., FEAT**  
Associate Professor



FOR SELECTED  
PARTICIPANTS



LIMITED SEATS  
(30)  
PARTICIPANTS ONLY



LAST DATE FOR  
REGISTRATION  
**10 JULY 2026**

SCAN QR CODE  
FOR REGISTRATION



### PROGRAM MODULES



**1. CENTRAL DOGMA**  
DNA, RNA, Proteins –  
Introduction



**2. GENOME ORGANIZATION  
& GENE ANNOTATION**



**3. SEQUENCING TECHNOLOGIES**  
• Sanger  
• Next-Generation  
Sequencing (NGS)  
• Nanopore



**4. BIOLOGICAL DATABASES**  
• NCBI  
• Ensembl  
• UniProt  
• UCSC Genome Browser

### PROGRAMME FEATURES



Hands-on training with real  
datasets and tools



AI tools in genomics  
and bioinformatics



From data analysis  
to clinical translation



Interactive sessions,  
expert talks & practical labs

### PROGRAMME OUTCOMES

- ✓ Empower students with essential laboratory & computational skills
- ✓ Enhance employability in biotech, healthcare & research sectors
- ✓ Foster research aptitude aligned with AI, networking & clinical translation
- ✓ Build confidence for advanced studies & innovation



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