



**AMRITA**  
VISHWA VIDYAPEETHAM  
DEEMED TO BE UNIVERSITY UNDER SECTION 3 OF UGC ACT, 1956

SCHOOL OF  
ENGINEERING

Amaravati | Amritapuri | Bengaluru | Chennai | Coimbatore

5<sup>TH</sup>  
BEST  
UNIVERSITY  
nirf

A<sup>++</sup>  
GRADE ACCREDITATION  
NAAC

92%  
STUDENTS  
PLACED\*  
in 2022

₹56.95 LAKH P.A.  
HIGHEST  
CTC

₹7.1 LAKH P.A.  
AVERAGE  
CTC

160<sup>+</sup> INTERNATIONAL  
COLLABORATIONS  
WITH LEADING  
UNIVERSITIES

**MOVE TO THE FUTURE**

**HIGHER-ED CONCLAVE '22**



**CENTER FOR EXCELLENCE IN COMPUTATIONAL  
ENGINEERING & NETWORKING**

NOTABLE COLLABORATIONS



# B.TECH COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE)

A holistic approach to engineering education with strong emphasis on fundamentals, applications and creative solutions. The Centre for Computational Engineering and Networking (CEN) foresaw the importance of computational science and started the journey with the main focus on Data Mining and Machine learning in 2003. The centre not only implies the conventional computer networking, but also integrates all aspects of IoTs and social networking.

## FACULTY

Highly qualified faculty with multi-disciplinary backgrounds from premier institutions with national and international accolades.

- *One of the Top-10 Computer Science faculty in India*
- *One among the Most Prolific Authors in the world*
- *One among the Top 2% of Scientists in the world*
- *Office of the British Prime Minister cited research work for preparing novel policies for UK*
- *Women in AI Leadership Award*

## PROGRAMMING

MATLAB, Python, Julia, Java, R and Scala

## COMPUTING FACILITY

GPUs and Deep Learning software platforms





## LAB IN A POCKET CONCEPT



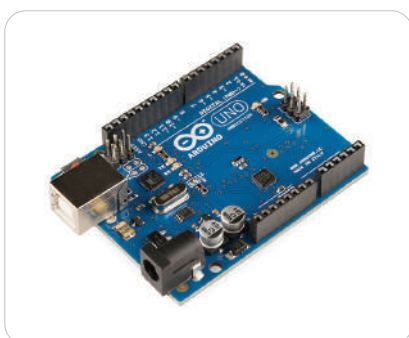
NANOPORE BASED DNA SEQUENCING EXPERIMENTS



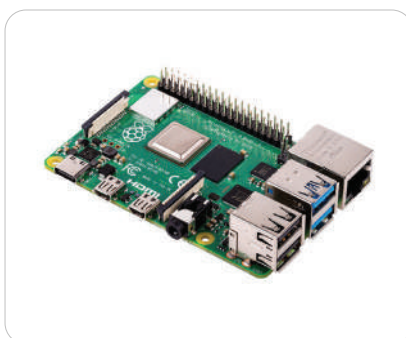
3D PRINTER



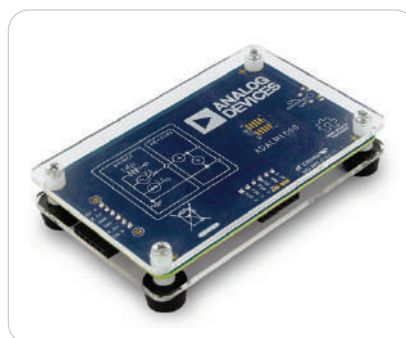
DRONES



ARDUINO



RASPBERRY PI



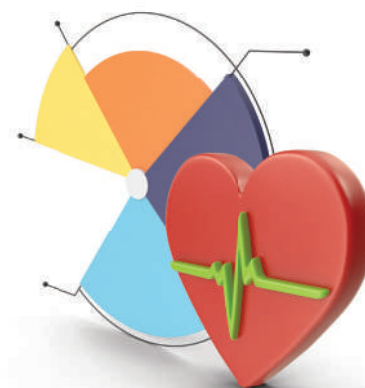
ADALM

## RESEARCH

The research focus of CEN in Data Science can be applied in various domains such as Natural Language Processing, bio-signal and image processing, smart grid, driverless vehicle, robotics, wireless communication & sensor networks and complex cyber-physical systems.

## RESEARCH AREAS

- *Big Data Analytics*
- *Bio and Chemical Informatics*
- *Natural Language Processing*
- *Data-driven Control*
- *Spatio-Temporal Data Analytics*
- *Deep Learning*
- *Control of Autonomous Vehicles*
- *Remote Sensing and GIS*
- *Smart grid Technologies*
- *Healthcare informatics*
- *Blockchain Technologies*
- *Image Processing*
- *Security of Internet of Things*
- *Speech Processing*
- *Complex systems*
- *Nonlinear dynamics and stochastic systems*
- *UAV for agriculture and ecology*
- *Cyber security*





## CONTACT

Center for Excellence In Computational  
Engineering and Networking (CEN),  
Amrita Vishwa Vidyapeetham, Amritanagar,  
Coimbatore-641 112, Tamil Nadu, India

☎ 0444 - 6276066 (Admissions)

SCAN TO APPLY

