

ABOUT THE WORKSHOP

This workshop explores the rising impact of Non-Communicable Diseases (NCDs) and AI's transformative role in their early detection and diagnosis. It will cover AI's ability to assess risks, predict disease, and personalize health insights, aiming to integrate AI into healthcare for improved efficiency and patient outcomes.

ABOUT THE INSTITUTION

IFET College of Engineering was started in the year 1998 by eminent industrialists & NRI's, to promote education & research in the field of Engineering, Technology and Management

The college is promoted by Indo French Educational Trust, which has dedicated itself on providing quality technical education. It encompasses an area of 55 acres in the rural setting, abutting NH-45A, 14 Km from Villupuram and 26 Km from Pondicherry. The institution is awarded autonomous status by UGC from the academic year 2018-19. The institution is affiliated to Anna University and has been accredited by NAAC and NBA.

The institution has been awarded with 2(f) and 12(B) status by UGC and featured with Platinum category by CII AICTE survey. The institution has been rated with AAA Category in Career's 360 among the engineering colleges of India. The institution is one among the top 220 private engineering institutions at National level, as per the India Today survey 2024. It offers 9 UG and 3 PG programmes and is known for its academic excellence and innovation. Research is a key factor which fosters innovative avenues to meet the global challenges.



ABOUT THE DEPARTMENT

The Department of Computer Science & Engineering was established in the year 2001 with a BE program. Since its inception, the department has progressed with a vision and strong commitment in developing uncompromising standard for excellence, providing the state of art computing facilities and training to students. The department has well equipped computing laboratories and a rich repository of software covering a wide spectrum of applications. Efforts are taken to make the student industry-ready even before the student leaves the campus. Research Development initiatives are taken to encourage innovation and develop projects which would benefit society & the country on the whole.

VISION

To produce demand driven, quality conscious and globally recognized computer professionals through education, innovation and collaborative research.

MISSION

To develop graduates of world-class technical competence in the area of Computer Science and Engineering, with necessary skills to solve real world problems.

To establish a center of excellence in partnership with industries, research institutions, and other organizations to meet the evolving needs of society.

To inculcate ethical values and the spirit of entrepreneurship

INDIAN COUNCIL OF MEDICAL RESEARCH(ICMR)



Sponsored Two Days
NATIONAL LEVEL WORKSHOP
ON

Harnessing Artificial Intelligence for Early Detection and Management of Non-Communicable Diseases

17th & 18th July 2025



**Organized
By
Department of CSE**

CONVENER

Dr. K. Sathyabama, Asst.Prof/CSE

CO-CONVENERS

Dr. T. Ananthkumar, Asso.Prof/CSE

Dr. S. Sivasankaran Asst.Prof/CSE

IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

Gangarampalayam, Villupuram-605108

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Mr. K. Shivram Alva, Secretary
Mr. R. Vimal, Treasurer

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Dr. P. Kanimozhi, Dean Academics

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REGISTRATION LINK

<https://forms.gle/sWwNM7c1tGjwm5Rf8>



WHATSAPP GROUP LINK

<https://chat.whatsapp.com/CQLi08XT>



REGISTRATION FEES

Student : Rs 250
Academic / Industry /Others: Rs.300
On Spot Registration also Applicable

ACCOUNT DETAILS

A/C Holder Name: IFET College Of Engineering
IFSC: IFSC: IOBA0000378
A/C: 037802000000501

FOR DETAILS

Dr. K. Sathyabama, Asst.Prof/CSE
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HANDS-ON WORKSHOP ON AI AND NCDs

**Harnessing Artificial Intelligence for Early
Detection and Management of
Non-Communicable Diseases**

17th July 2025, Inauguration & Morning Session
**Dr. R Sasirekha, Prof. Dept of Obstetrics
and Gynecology, Jipmer, Puducherry.**

Overview of NCDs and workshop objectives.
Dr. U Srinivasulu Reddy,
Associate Professor, NIT Trichy.

*Medical imaging analysis (X-rays, MRI) using
AI tools, ML model training for NCD
detection, and case study on AI in diabetic
retinopathy and cardiovascular risk
detection.*

Afternoon Session

Dr. Malaya Kumar Nath,
Assistant Professor, NIT Puducherry.

*Data collection, preprocessing, AI model
training for NCD risk prediction (diabetes,
hypertension), and live demo of AI-driven
risk assessment dashboards.*

18th July 2025, Morning Session

Dr. K. Saruladha,
**Professor, Puducherry Technological
University.**

*Integration of AI models with hospital data,
development of a clinical decision-support
system (CDSS), and interactive coding using
Python, TensorFlow, or AutoML tools.*

Afternoon Session

Dr. V. Uma,
**Associate Professor, Pondicherry
University.**

*Development of an AI-powered chatbot for
patient monitoring, IoT & AI-based remote
health monitoring, followed by a panel
discussion on AI-driven NCD management.*