



ATAL ONLINE 6 DAY FACULTY DEVELOPMENT PROGRAMME SCHEDULE 2025-26

ENERGY-EFFICIENT LLM MODEL DEPLOYMENT ON EDGE AND CLOUD

START DATE

19. 01. 2026 (MONDAY)
AT 6 : 00 P. M

END DATE

24. 01. 2026 (SATURDAY)
AT 8 : 00 P. M

ABOUT THE INSTITUTION

Royal College of Engineering and Technology (RCET), (NAAC & NBA (CSE) Accredited Institution) is an NRI initiative, established in 2003 with a mission to train the youth to be the leaders of tomorrow with apt skills, deep rooted sense of social responsibility, strong ethical values and to provide a global outlook to face the challenges of the changing world. RCET with its vision of making the institution a centre of excellence in Technical Education at par with international standards is having a state-of-the-art infrastructure and serene ambience.

ABOUT THE DEPARTMENT

The department of Artificial Intelligence and Data Science (AD) was introduced in the year 2021. As a specialized branch of the global technology, the B.Tech degree in “Artificial Intelligence and Data Science” has a huge scope of growth with ample opportunities to make a mark. The explosion of computerized information on the internet, in data warehouses, and from physical sensory artifacts has also created large-scale problems for AI research.

ABOUT ATAL (AICTE TRAINING AND LEARNING) SCHEME

The AICTE ATAL Scheme (All India Council for Technical Education Training and Learning Academy) aims to improve the quality of technical education in India by offering training in emerging fields like Artificial Intelligence, Data Science, and Cyber Security. It provides online and offline Faculty Development Programs (FDPs) for faculty, research scholars, and industry professionals, with the goal of enhancing teaching skills, fostering innovation, and equipping educators to meet the challenges of the National Education Policy (NEP) 2020. The programs are free for participants and focus on imparting skills for research, innovation, and entrepreneurship.

AICTE TRAINING & LEARNING ACADEMY

Online Faculty Development Programme

ON

ENERGY-EFFICIENT LLM MODEL DEPLOYMENT

ON EDGE AND CLOUD

19th – 24th January 2025

Organized by Department of Artificial Intelligence and Data Science



**Royal College of Engineering
& Technology, Akkikavu-Thrissur**

www.royalcet.ac.in

ORGANIZING TEAM

► CHIEF PATRONS

Mr. K. M. Hyderali, General Secretary, RCET

Mr. V. P. Salim, CEO, RCET

► PATRON AND COORDINATOR

Dr. P. Suresh Venugopal, Principal, RCET

► CO-CORDINATORS

Mr. Amal Thomas, Asst. Professor, Dept Of AD

Dr. S. P. Predeep Kumar, Head Of Department, CSE

Prof. Amrutha M. Chemmanur, Head Of Department, AD

Prof. Krishnakumar R, Head Of Department, ECE

Dr. Zealakshmi, Head Of Department, CE

Dr. Anfas Mukram T, Head Of Department, ME

Ms. Asheera L, Head of Department, ASH

Dr. Rahul B, Assoc Prof/AD

Ms. Radhika ER, AP/ECE

Ms. Najiya Abdulrahiman, AP/AD

Ms. Sreelakshmi M. U, AP/CE

Ms. Sincy V. Thambi, AP/AD

Ms. Jeeshma John , AP/AD

ABOUT FDP

The Faculty Development Programme (FDP) is focused on “Energy-Efficient LLM Model Deployment on Edge and Cloud”. This topic falls under the thrust area of Advanced Computing, which includes Supercomputing, AI, and Data Science. The programme covers various aspects related to efficient deployment of Large Language Models (LLMs)

- Introduction to efficient models and deployment on Edge and Cloud
- Introduction to AI Agents and Agentic workflow
- LLM use cases for advanced teaching and research acceleration.
- How ‘Analog Devices’ is pioneering SoC designs for Data centres and beyond
- Holistic Development through Addressing Sustainable Goals at the Root- Certain Environmental Inventions using AI systems.
- Sustainability in agriculture using deep learning models
- Building real-world LLM applications

TARGET PARTICIPANTS

Faculty Members from AICTE approved institutions, Research Scholars, Industry Professionals and PG Students.

HOW TO REGISTER

Participants can sign up and register for the program in AICTE ATAL website links

<https://atalacademy.gov.in>

For more details and NOC format, login to:

<https://royalcet.ac.in/atal-fdp/>



ATAL ONLINE 6 DAY FACULTY DEVELOPMENT PROGRAMME SCHEDULE 2025-26

ADVANCED COMPUTING (SUPER COMPUTING, AI AND DATA SCIENCE)

ENERGY-EFFICIENT LLM MODEL DEPLOYMENT ON EDGE AND CLOUD

START DATE

19. 01. 2026 (MONDAY) AT 6: 00 P. M

END DATE

24. 01. 2026 (SATURDAY) AT 8: 00 P. M

DAY 1

6:00 PM TO 6:30 PM: INAUGURAL SESSION

6:30 PM TO 8:00 PM: SESSION 1

TOPIC : INTRODUCTION TO EFFICIENT
MODELS AND IT'S DEPLOYMENT
ON EDGE AND CLOUD

NAME OF THE EXPERT



Dr. B SURENDIRAN

ASSOCIATE PROFESSOR, DEPT OF CSE, NIT PUDUCHERRY

8:00 PM TO 9:30 PM: SESSION 2

TOPIC: FINE TUNING LLMs FOR EFFICIENCY:
LoRA, OLoRA, AND THE FUTURE OF
LOW-CARBON AI

NAME OF THE EXPERT



Mr. SHINOJ CHERUVATHOOR

EMEA HEAD OF DISCIPLINE, WOOD, SCOTLAND

DAY 2

6:00 PM TO 7:30 PM: SESSION 3

TOPIC: HOW ‘ANALOG DEVICES’ IS
PIONEERING SoC DESIGNS FOR
DATA CENTRES AND BEYOND

NAME OF THE EXPERT



Mr. RATHEESH THEKKE VEETIL

DIRECTOR, ANALOG DEVICES, BENGALURU

7:30 PM TO 9:00 PM: SESSION 4

TOPIC: LLM POWERED RESEARCH
AND DEPLOYMENT
FOR ACADEMICIAN.

NAME OF THE EXPERT



Dr. P REVATHY

ASSISTANT PROFESSOR, PONDICHERRY UNIVERSITY

DAY 3

6:00 PM TO 7:30 PM: SESSION 5

TOPIC: HOLISTIC DEVELOPMENT THROUGH
ADDRESSING SUSTAINABLE GOALS AT
THE ROOT-CERTAIN ENVIRONMENT
AL INVENTIONS USING AI SYSTEMS.
NAME OF THE EXPERT



Dr. SUNILKUMAR N

PROFESSOR AND HOD-CIVIL ENGINEERING DEPARTMENT,
COLLEGE OF ENGINEERING, KUTTANAD

7:30 PM TO 9:00 PM: SESSION 6

TOPIC: IDEA TO DEPLOYMENT ON
SYSTEMS USING LLM POWERED
AGENTS WITHIN 1 Hr

NAME OF THE EXPERT



Dr. RAMYA DURAI

ASSOCIATE PROFESSOR, DEPT OF ISE JAIN UNIVERSITY,
BENGALURU

DAY 4

6:00 PM TO 7:30 PM: SESSION 7

TOPIC: SUSTAINABILITY IN AGRICULTURE
IN MODERN INDIA USING DEEP
LEARNING MODELS

NAME OF THE EXPERT



Dr. MANU M.R

FACULTY IN COMPUTER SCIENCE, MINISTRY
OF EDUCATION, UAE

7:30 PM TO 9:00 PM: SESSION 8

TOPIC: ARE LLMs THE GATEWAY
TO AGI? A TECHNICAL
DEEP DIVE

NAME OF THE EXPERT



Mr. GOPALAKRISHNAN G

AI/ML MANAGER TURING, BENGALURU

DAY 5

6:00 PM TO 7:30 PM: SESSION 9

TOPIC: FROM GPTs TO PRODUCTION:
BUILDING REAL WORLD LLM
APPLICATIONS

NAME OF THE EXPERT



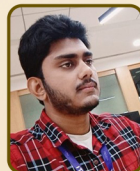
Ms. ATHIRA M

CTO, DOCKER VISION, KOCHI

7:30 PM TO 9:00 PM: SESSION 10

TOPIC: INTRODUCTION TO AI
AGENTS AND AGENTIC
WORKFLOW

NAME OF THE EXPERT



Mr. PRADEEP. T

SENIOR DATA SCIENTIST AT IBM, BENGALURU

DAY 6

2:00 PM TO 3:30 PM: SESSION 11

TOPIC: GEOSPATIAL APPLICATION IN
FLOOD AND LANDSLIDE SUSCEPTIBILITY
IN KERALA REGION BASED MAPPING
USING DEEP LEARNING MODELS

NAME OF THE EXPERT



Dr. SREENIVASAN K

ASSISTANT PROFESSOR, DEPARTMENT OF FOREST RESOURCE
MANAGEMENT, HOD-RS AND GIS, COLLEGE OF
FORESTRY/KERALA AGRICULTURAL UNIVERSITY

3:30 PM TO 5:00 PM: SESSION 12

TOPIC: DEEP BELIEF NETWORK BASED
REPRESENTATION LEARNING FOR
MEDICAL APPLICATIONS

NAME OF THE EXPERT



Dr. MANU MADHAVAN

ASSISTANT PROFESSOR, INDIAN INSTITUTE OF INFORMATION
TECHNOLOGY, KOTTAYAM (IIITK)

NAME OF THE EXPERT



5:00 PM TO 6:30 PM: SESSION 13

TOPIC: LLM USE CASES FOR ADVANCED
TEACHING AND RESEARCH ACCELERATION.

Mr. IMTHIYAS M.P

VICE PRINCIPAL, SL THOMAS COLLEGE OF ENGG, KOTTAYAM

DAY 6:

ONLINE TEST & FEEDBACK – 6:30 PM TO 7:30 PM

VALEDICTORY SESSION – 7:30 PM TO 8:00 PM