

## Advanced Techniques in AI and Machine Learning

Artificial Intelligence is a technique that enables machines to mimic human behavior. It is the theory and development of computer systems able to perform tasks normally requiring human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages.

Topics Covered & Scope of FDP.

- Artificial Intelligence - An Industry perspective
- Machine Learning Concepts
- Neural Networks and Deep learning
- Recurrent Neural Networks
- Auto Encoders
- Generative Adversarial Networks - GANs
- Large Language Models - LLMs
- Transformer Models
- RAG Systems

### Coordinators



Muhammed Ilyas H Assistant Professor Dept. of Computer Engineering ilyashm@cectl.ac.in Experience :19 Years



Vishnupriya G S Assistant Professor Dept. of Computer Engineering vishnupriya@cectl.ac.in Experience :11 Years

### Resource Persons



Mr. Joy Sebastian  
CEO, Techgensia Software Technologies,  
Infopark, Pallippuram, Alappuzha, Kerala  
Years of Exp: 20Years



Dr. Bindu Krishnan  
Senior statistician, Data & AI,  
IBM Kochi  
Years of Exp: 21 Years



Dr. Ditty Mathew  
AI Researcher @audEERING GmbH  
Gilching, Bavaria, Germany  
Years of Exp: 12Years



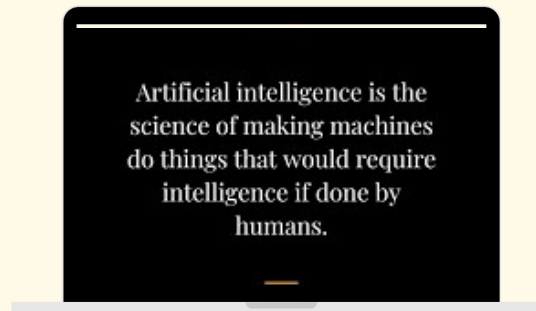
Mr. Sivahari Nankumar  
AI Research Engineer,  
NEC Laboratories, Europe GmbH  
Germering, Bavaria, Germany  
Years of Exp: 13Years



Dr. Jeena Kleenankandy  
Assistant Professor in CSE,  
Cochin university of Science & Technology,  
Cochin  
Years of Exp: 11Years



Dr. Shailesh Sivan  
Assistant Professor in CSE,  
Cochin university of Science & Technology,  
Cochin  
Years of Exp: 12 Years



**AICTE TRAINING AND LEARNING  
(ATAL) ACADEMY**

Six Days online FDP on  
**Advanced Techniques in AI and  
Machine Learning**  
**6th January to 11th January 2025**  
(Evening 6.00PM to 9.00PM)



Organized by

**Dept. Of Computer Engineering  
(Accredited by NBA)  
College of Engineering, Cherthala**

**AICTE TRAINING AND LEARNING (ATAL) ACADEMY**

AICTE is committed for the development of quality technical education in the country by initializing various schemes launched by Govt. of India, Ministry of Human Resource Development. Council under-stands that there is a need of the day to train the young generation in skill sector and having faculty technicians to be trained in their respective disciplines. It was felt that Training with latest and tools and technologies is vital to keeping an institute competitive and more productive. Training is required for increasing the knowledge and skills of students to make them more employable to acquire global competencies. It also transforms them to harmonize with society and most importantly to make them a good citizen of the country. Accordingly, it was decided to the opening of AICTE Training and learning-(ATAL) Academies. As a part of its activities, AICTE Training and Learning (ATAL) Academy will conduct a workshop on Advanced Techniques in AI and Machine Learning at College of Engineering, Cherthala from 06th January to 11th January 2025.

**College of Engineering Cherthala**

College of Engineering Cherthala is one among the leading technical institutions in Kerala since its venture in 2004. Within a short span of time since its emergence CEC has become successful in establishing itself as a leading premier its excellence in the field of science and technology. The College is affiliated to Kerala Technical University (KTU) approved by All India Council for Technical Education(AICTE). . It is one among the engineering colleges in Kerala selected by Govt. of India for the Technical Education Quality Improvement programme Phase II and Dept. of Computer Engineering is Accredited by NBA.

**OUR VISION**

To contribute profusely to the society through excellence in technical education, sustainable innovation and quality research

**OUR MISSION**

To provide state of the art educational and research facilities to enable holistic development of students and society

**Resource Persons**

Experts from academia, industry and research will handle the theory and hands-on training sessions

**Who can Apply**

Faculty members/ professionals from industry/ Research Scholars / PG students from any disciplines can apply.

**Fee**

**No Charge for Registration, Course and Certification from participants** for attending workshop. The participant will not be paid any TA/DA.

**Selection**

A limited number of seats will be there on first-come-first-serve basis and selected candidates will be intimated through mail.



**How to Apply**

Please apply for the workshop at the URL given below. Applicants who are selected for the workshop will be intimated via email. Participants will be admitted on a first-come-first-served basis. Register online at <https://atalacademy.aicte-india.org/login>. A scanned copy of the NOC sponsorship certificate to be uploaded in the ATAL portal at the time of registration. For any queries please contact the coordinators.

**Important Dates**

- Last date to Apply : 28-12-2024
- Intimation of selection : 01-01-2025
- Confirmation of participation : 03-01-2025

**Timings**

The workshop is in online mode and in evening timings. In evening from 6.00PM to 9.00PM. In Saturday from 2.00PM to 8.00PM.

**Contacts**

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