

ABOUT THE INSTITUTION

Vidya Academy of Science & Technology (VAST) established in 2003, is an advanced engineering college meeting international standards. This model engineering college is approved by AICTE vide approval NO./06/ KER/ENGG/2002/91 dated 12/05/03 and affiliated to APJ Abdul Kalam Technological University. VAST has gained recognition for its competent faculty, top-notch infrastructure, and high-tech teaching aids. The college has a holistic approach to education where academic training goes hand in hand with offerings that develop the body, mind and soul to prepare its graduates to be future leaders.

ABOUT THE DEPARTMENT

The department of Artificial Intelligence and Machine Learning (AIML) is established with a vision to emerge as a premier center for education and research in Artificial Intelligence and Machine Learning.

OUR VISION

- "To evolve as a center of excellence for higher education in the field of Artificial Intelligence and Machine Learning."

OUR MISSION

- "To equip the graduates with latest technologies in the field of Artificial Intelligence and Machine Learning."
- "To imbibe new knowledge by collaborating with industry and research organizations to mould competent technocrats entrepreneurs."
- "To instill societal and ethical responsibilities in all professional activities."

ABOUT THE FDP

This Faculty Development Program encompasses a diverse range of topics aimed at enhancing educators' proficiency in key areas of machine learning and artificial intelligence. It covers new, in-demand materials and their applications, emphasizing Artificial Intelligence as a proxy for human brain functions. This FDP aims to discuss and provide a theoretical background for machine learning and deep learning techniques over three days. The goal is to equip participants with the knowledge needed for advancements in Artificial Intelligence and Machine learning.

Convener

Dr. Sunitha C
Vice Principal
Professor and Head
Dept. of AIML


Coordinator

Ms. Manjusha P D
Asst. Prof, Dept. of AIML

Co-Coordinators

Ms. Riya P D
Asst. Prof, Dept. of AIML
Ms. Anju K P
Asst. Prof, Dept. of AIML

Contact Details

 Ph:6282611549
Ph :7034287673

 Email:

aimlvast2022@gmail.com



ISTE Sponsored

3 Day National Level

Faculty Development Programme on
"THEORETICAL FOUNDATIONS AND
RESEARCH APPLICATIONS IN
MACHINE LEARNING AND
DEEP LEARNING"

(Online)

15th-17th February, 2024

Organized By

DEPARTMENT OF ARTIFICIAL
INTELLIGENCE AND MACHINE LEARNING

in association with

Indian Society for Technical Education
(ISTE), VAST Chapter



Vidya Academy of Science and Technology

(A Unit of Vidya International Charitable Trust)

Thalakkotukkara P.O, Thrissur - 680 501

Approved by AICTE | Affiliated to APJAKTU | ISO 9001:2015

OBJECTIVES OF FDP

The objectives include fostering proficiency in regression and classification models, to provide practical insights into advanced deep learning and recurrent neural networks. The program seeks to equip participants in applying AI to healthcare scenarios and leveraging learning analytics in the realm of data science. It aims to instill expertise in optimization techniques for machine intelligence. Ultimately, this FDP aims to ensure possession of the knowledge and practical tools necessary to understand these concepts and stay current in rapidly evolving fields.

TOPICS OF INTERACTION

- Regression Models for Machine Learning.
- Practical Insights into Classification Algorithms in Artificial Intelligence and Machine Learning.
- Exploring Neural Networks & Advanced Deep Learning Models.
- Recurrent Neural Networks for Sequential Data Classification.
- Application of AI in Healthcare.
- Learning Analytics and application in Data Science.
- Optimization in Machine Intelligence.



RESOURCE PERSONS

Dr. A Jaya

Professor,
Department of Computer Applications, BSAR Crescent Institute of Science and Technology, Chennai



Dr. Jayaraj P B
Associate Professor,
NIT, Calicut

Dr. Jeeva Jose

Associate Professor,
Department of Computer Application, Baselios Poulouse II Catholics College, Piravom and Machine Learning Specialist.



Dr. Sudha Balagopalan
Dean Academics,
Vidya Academy of Science and Technology, Thrissur



Dr. Manu Madhavan
Assistant Professor,
IIIT, Kottayam



WHO CAN APPLY

Faculty members and Research Scholars from AICTE approved institutions are eligible to apply for the course. The participants will be selected on first come first serve basis. The number of participants is limited to 30.

HOW TO APPLY

Click here for Registration

<https://shorturl.at/IT134>



Registration Fee: Rs. 250/-

G-Pay Number:

 **6282611549**

After payment of registration fees kindly send the details

Last date of Registration:

13th February, 2024

Department of Artificial Intelligence & Machine Learning

"THEORETICAL FOUNDATIONS AND RESEARCH APPLICATIONS IN MACHINE LEARNING AND DEEP LEARNING"

FDP Schedule

Date	Session	Topics	Resource Persons
15.02.2024	9.30 am -10.00 am	<ul style="list-style-type: none"> • Inauguration 	<p style="text-align: center;">Dr. Jeeva Jose, Machine Learning Specialist, Associate Professor, Department of CA, Baselios Poulouse II Catholics College, Piravom</p>
	10.00 am-12.30 pm	<ul style="list-style-type: none"> • Foundations of Machine Learning • Hands-On: Machine Learning with Regression 	
	1.30 pm – 4.00 pm	<ul style="list-style-type: none"> • Classifier Implementation: Hands-On Learning 	
16.02.2024	9.30 am-12.30 pm	<ul style="list-style-type: none"> • Building Blocks of Deep Learning • Deep Learning Architectures • Recurrent Neural Networks (RNNs) for Sequence Modelling 	<p style="text-align: center;">Dr. Manu Madhavan Assistant Professor, Indian Institute of Information Technology (IIIT), Kottayam</p>
	1.30 pm – 4.00 pm	<ul style="list-style-type: none"> • Transfer Learning and Attention Mechanisms in Deep Learning • Applications of Deep Learning Models : NLP & Computer Vision Applications 	
17.02.2024	9.30 am-11.00 am	<ul style="list-style-type: none"> • Smart Solutions for Better Health: Exploring the Applications of AI in Healthcare 	<p style="text-align: center;">Dr. Jayaraj P B Associate Professor,NIT, Calicut</p>
	11.00 am-12.30 pm	<ul style="list-style-type: none"> • Learning Analytics and Applications in Data Science 	<p style="text-align: center;">Dr. A Jaya Professor,Department of CA, BSAR Crescent Institute of Science & Technology, Chennai</p>
	1.30 pm – 3.30 pm	<ul style="list-style-type: none"> • Maximizing Performance: Applications of Optimization in Machine Learning 	<p style="text-align: center;">Dr. Sudha Balagopalan Dean Academics, VAST</p>
	3.30 pm – 4.00 pm	<ul style="list-style-type: none"> • Feedback and Valedictory Session 	