

Institute Mission

To consistently strive for Academic Excellence to become a leading Institution in the field of Engineering, Management and Research to produce competent and ethically sound manpower for the benefit of Industry, Society, Nation and the Global Environment.

Objective and Scope

Artificial Intelligence is a way of **making a computer, a computer-controlled robot, or a software think intelligently**, in the similar manner the intelligent humans think. AI is accomplished by studying how human brain thinks and how humans learn, decide, and work while trying to solve a problem, and then using the outcomes of this study as a basis of developing intelligent software and systems.

- The objective of the FDP is to introduce fundamentals of data mining and machine learning & AI with real-time applications.
- This FDP will be a very useful platform for faculty and researchers to update their knowledge
- This FDP also focuses on exploring various research opportunities and challenges in the field of machine learning, AI and its applications.
- Learn the various aspects of data handling and how information can be extracted from data.

Co-Patrons

Dr. T Chandrashekar

Principal, RRCE

Dr. Usha S

Professor and Head

Dept. of Computer Science & Engineering

Coordinators

Dr. Kamal Raj

Mr. Prabakaran J

Dept. of Computer Science & Engineering

About RRCE

RajaRajeswari College of Engineering came into existence in 2006 with the objective of becoming a center of excellence in technical education. In less than a decade it has carved a reputation for itself as an institution that makes a positive difference in the lives of its students

Department of Computer Science & Engineering

Dept. of CSE was established in 2006 with an intake of 60. It has been raised to 120 in the year 2013-14 and now to 180 in the year 2015-16. CSE department is rich enough to organize and encourage Students, teaching & non-teaching staffs by conducting various events like workshops, Technical seminars, expert lectures, FDPs, industry visits and National/International conferences etc.

Institute Vision

To provide an open opportunity to young generation for evolving their core competencies helping them to build their career as Global professionals to be an Autonomous Institution by achieving excellence in the field of higher education..



RajaRajeswari College of Engineering

Mysore Road, Bengaluru - 560 074

Website: www.rrce.org

Faculty Development Program/Workshop

On

AI & ML and its Application

[Covering VTU syllabus 18CSL76]

(25th October – 29th October, 2021)

In blended mode (Online and Off Line)

Organized by

**Department of Computer Science &
Engineering**

CHIEF PATRON

Dr. A C Shanmugam, B.A.LLB, FIMSA, FRCPS (Glasgow, UK)

Chairman, RajaRajeswari Group of Institutions

Sri. A C Sarun Kumar B.Tech (Hons), LMISTE., MIET., (UK), LMCSL

Vice-Chairman, RajaRajeswari Group of Institutions

PATRONS

Dr. S Vijayanand

Executive Director, RajaRajeswari Group of Institutions

Sri C N Seetharam IAS (Retd)

Chief Executive officer, RRG

Dr. S Jeyabalan

Special Officer, RRG

Topics to be covered

- a) Introduction to Artificial Intelligence
- b) Getting Started with Machine Learning using Python
 - i. NumPy
 - ii. Pandas
 - iii. Matplotlib
 - iv. Scikit-learn
 - v. SciPy
 - vi. TensorFlow
 - vii. Keras
 - viii. PyTorch
- c) Machine learning algorithms
 - i. A* Search algorithm.
 - ii. AO* Search algorithm.
 - iii. Candidate-Elimination algorithm.
 - iv. ID3 algorithm.
 - v. Backpropagation algorithm.
 - vi. Naïve Bayesian classifier.
 - vii. EM algorithm and k-Means algorithm.
 - viii. K-Nearest Neighbor algorithm.
 - ix. Locally Weighted Regression algorithm
- d) Applications of AI/ML
- e) Covering VTU syllabus 18CSL76 - Artificial Intelligence and Machine Learning Laboratory.

Resource Persons

Dr. Pethuru Raj, Chief Architect,
Reliance Jio Platforms Ltd.,
Bengaluru, Karnataka.

Industry Persons from Tequed Labs
Bengaluru, Karnataka.

Who Can Participate

Faculty members of UGC/AICTE recognized Universities and Engineering colleges all over India, Research scholars (PhD only), students and Industry personals; however priority will be given to the faculty members.

Registration Fee

 **Faculty/ Research Scholar: Rs.500/-**

Registration Process

1. Registration fee will be paid through online mode, the account details for this purpose is

Account Name: Raja Rajeswari
College of Engineering

Account No.: 263701000032

Bank Name: ICICI Bank

Branch: Kumbalghodu

IFSC Code: ICIC0002637

MICR Code: 560229075

2. Link for registration:
Copy the link and paste in browser

<https://forms.gle/bm31Z6YX4VMEZ9po7>

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REGISTRATION FORM

Name (block letter):

Dept:

Designation

Organization:

Address for communication:

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Pin code: Ph. No.:

E-mail:

Specialization:

Payment Reference No.:

Payment Date:

DECLARATION

I do hereby agree to abide by the rules and regulations of the FDP.

Place:

Date:

.....
Signature of the Applicant