

Advisory committee

Msgr. (Dr.) Joseph Malaieparambil, Chairman

Rev. Fr. Mathew Koramkuzha, Manager

Dr. David J, Principal

Dr. Madhukumar S, Vice Principal

Dr. V P Devassia , HoD ECE & AI

Prof. Ance Mathew, HoD CE

Dr. Joby P P , HoD CSE

Dr. George Tom Varghese, HoD EI

Dr. Binoy Baby, HoD ME

Prof. Ginu Ann George, HoD EEE

Organizing committee

Dr. V P Devassia (Coordinator), HoD, ECE

Prof. Sabarinath G (Co-Coordinator), Dept. of ECE

Dr. Giby Jose, Dept. of ECE

Dr. Arun P, Dept. of ECE

Prof. Sreejith V, Dept. of ECE

Prof. Sanju Sebastian, Dept. of ECE

Prof. Sreesh P R, Dept. of ECE

Prof. Rincy Merin Varkey, Dept. of ECE

Prof. Manju James, Dept. of ECE

Prof. Juney M George, Dept. of ECE

Online platform

The entire programme will be conducted through online mode (Zoom video conferencing platform) and participant's registrations will be confirmed through e-mail.

Permission letter

**KTU Sponsored FDP on
AI and Data Science – A Pedagogical Approach
09-08-2021-13-08-2021**

Name :

Gender :

Mobile number :

E-mail :

Designation :

Department :

Institution :

Signature of the
applicant :

Recommended
and forwarded :

Signature of the
Head of the institution

College seal

Coordinators

Coordinator : Dr. V P Devassia,
HoD, ECE
(hodec@sjcetpalai.ac.in)

Co-coordinator : Prof. Sabarinath G Pillai,
Dept. of ECE
(+91 94475 83520 , sabari@sjcetpalai.ac.in)

Technical support: Mr. Bineesh Vijayan,
Dept. of ECE

**ST. JOSEPH'S
COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -**

Choondacherry P.O, Palai, Kottayam 686 579,
Kerala, India. Phone: 04822-239700

<http://web.sjcetpalai.ac.in/>



Five days online FDP

AI and Data Science – A Pedagogical Approach

9th August to 13th August 2021

**Sponsored by
APJ Abdul Kalam Technological University
(APJA KTU)**



**Organized by
Department of Electronics and Communication
Engineering**

About the college

St. Joseph's College of Engineering and technology, Palai was established in the year 2002, managed by the Diocesan Technical Education Trust, Palai under the Diocese of Palai. SJ CET was instituted to develop a centre of professional learning with a distinct identity and character, for imparting education and training in a truly Christian environment, fostering Christian values of faith and love to God and fellowmen. The college aims to provide the kind of education that helps to achieve academic excellence and thereby ensures a challenging and satisfying career for the students on the successful completion of the program. Towards achieving its vision, SJ CET today offers seven undergraduate engineering programs, including Artificial Intelligence and Data Science, six master's programs and PhD programs in three engineering departments.

VISION

Developing into a world-class, pace-setting Institute of Engineering and Technology with distinct identity and character, meeting the goals and aspirations of the society.

MISSION

To maintain a conducive infrastructure and learning environment for world class education.

To nurture a team of dedicated, competent and research oriented faculty.

To develop students with moral & ethical values, for their successful career by offering variety of programmes and services.

About the programme

On the contrary to FDPs on the topic which introduces participants into the topic in a superficial way for further self-paced deeper learning, this FDP on AI and DS is different in that it introduces the faculty to a pedagogical approach on how to deliver the course in an effective way so as to make their students readily employable in the domain of AI and DS right after the course. The course is so designed that it takes participants through the fundamental mathematics underlying the algorithms in the domain, and then introduced the algorithm, completing the exercise with hands on practice.

About the department

The Electronics and Communication Engineering Department was started in the year 2002 at the inception of the college. The department always has strived to impart quality education in the field of Electronics and Communication Engineering so as to nurture professionals who are capable to meet the challenges in an ever changing technical era. The department offers UG (Electronics & Communication Engineering), PG (VLSI and Embedded systems) and PhD programmes. The B Tech programme in electronics and communication engineering has been accredited by NBA. In addition, the B.Tech programme on Artificial Intelligence and Data Science is currently managed by the Dept of ECE.

VISION

Develop into a center of excellence in Electronics and Communication Engineering contributing to socio-economic progress.

MISSION

To develop and maintain adequate infrastructure for a pace-setting Electronics and Communication engineering.

To bring up a team of committed, proficient and research oriented electronics and communication engineering faculty.

To nurture students into ethical, emotionally strong and technically competent graduates to meet the dynamic challenges of the society

Eligibility for registration and certification

The faculty members (all engineering branches) of AICTE approved institutions, research scholars and participants from industries are eligible to attend the programme. Participants need to attend all sessions mandatorily to be eligible to receive the certificate.

Pre-requisite

The FDP is so designed that participants may attend without any pre-requisite. However, a computer (Laptop/Desktop) with Python and Jupyter notebook installed will be helpful.

Course content

Introduction to AI and Data Science: infrastructure requirements
How and What to teach an AI and DS student
Linear Algebra
Differential Calculus
Probability and Statistics
Statistical Methods for Data Analysis
Introduction to Python programming
Introduction to Machine Learning
Introduction to DL : ANN
Computer Vision and its Applications
Recent trends in AI

Resource Persons

Eminent researchers, academicians from institutes of repute with ample experience will handle the sessions.

1. Dr. K P Soman, Amrita
2. Dr. Malayakumar, NIT, Puducherry
3. Dr. Deepak Padmanabhan, Queens University, Belfast, UK
4. Dr. Varun P Gopi, NIT Trichy
5. Dr. Sreeni, CET
6. Dr. Ajeesh Ramanujam, CET
7. Dr. Renu Jose, RIT
8. Dr. Premjith B, Amrita
9. Harikrishnan P M, NIT Trichy
10. Pawan S, NIT-Suratkal
11. Niyas, NIT-Suratkal
12. Ajith Bhaskaran, NIT-Suratkal

Registration details

Registration ends: **31 – 07 – 2021**

Intimation of selection: **04 – 08 - 2021**

Registration fee: **Nil**

For registration please fill the google form and attach the permission letter (in the prescribed format)

Application Link: <https://tinyurl.com/2kv5vnut>