Five - Day Faculty Development Program (FDP)

on

AI Applications and Practical Insights

(25.11.2024 to 29.11.2024)

organized by

Department of Computer Science and Engineering

in association with

PSG Center for Academic Research and Excellence (PSG CARE)

Online Registration Link

https://forms.gle/Ak7Cb9gbUJhLv7gG9

About PSG iTech

PSG Institute of Technology and Applied Research, aims to realize its objective of enhancing youth empowerment through technical education. This institute caters to various engineering disciplines, focusing on learning, industry engagement of students, innovative and inclusive pedagogy, and ethics. PSG iTech aims at effective transfer of knowledge, pursuit of truth and moulding the students to become ideal citizens of the country. Within a short span of time, the Institution has emerged as one of the most preferred institutions for the engineering aspirants in Tamilnadu. PSG Institute of Technology and Applied Research, started in the year 2014, is an AICTE approved institution and affiliated to Anna University, Chennai. PSG iTech aims to achieve excellence in education and research and nurture engineers with ethics, who will face global challenges to serve industry and society.

About PSG CARE

The PSG Center for Academic Research and Excellence (PSG CARE) was founded in October 2015 by the PSG & Sons Charities Trust with a mission to promote teaching excellence in all the colleges under PSG Trust. PSG CARE encourages the use of learner centric pedagogical practices that facilitate effective learning and will foster dialogue and reflection on effective teaching through Faculty Development Programme(FDP), Workshops, Seminars, Faculty Induction Programme(FIP) and other activities.

About FDP

The Faculty Development Programme on "**AI Applications and Practical Insights**" is designed to empower participants with the latest advancements in Artificial Intelligence. The objective of this programme is to impart the emerging concepts of Artificial Intelligence and its applications. This FDP is focused on equipping the faculty members to handle AI related courses effectively for the student community. Participants will explore state-of-the-art AI tools and techniques and will be equipped with the knowledge and skills necessary to leverage AI innovations in diverse domains.

Outcomes

At the end of the FDP, the participants will be able to:
- Understand the basics of Artificial Intelligence (AI) and Machine Learning (ML).
- Gain insights into Reinforcement Learning techniques in NLP applications.
- Implement Natural Language Processing (NLP) and Computer Vision (CV) Applications.
- Perform predictive data analytics for industry use cases.
- Explain emerging AI techniques such as Generative AI and its architecture.

Topics to be covered

- AI for Indian Knowledge System
- Embarking on the AI Journey: A Primer on Artificial Intelligence
- Machine Learning Unveiled: A Beginner's Roadmap
- Reinforcement Learning Techniques in NLP Applications
- Essentials of Computer Vision
- Navigating Object Detection and Recognition Techniques
- Feature Engineering: Understanding Data Potential
- Analytics : A Journey towards Machine learning Paradigms
- From Imagination to Image : The World of GANs
- GenAI Hands on GAN Architecture and BERT Model

Resource Persons

- Dr Venkatapathy Subramanian, Director
  Rural AI Center, Anaadi Foundation, Palani
- Dr Srinivasulu Reddy, Associate Professor
  Department of Computer Applications, NIT, Trichy
- Mr Vivek Suresh, Co-founder and CEO
  Ylogx Private Ltd, Kochi
- Dr R Preeth, Assistant Professor
  Dept of CSE, IIITDM, Kancheepuram
- Mr Selva Vignesh, Product Strategist
  Pinesphere Solutions
- Dr V Mahendran, Assistant Professor
  IIT, Tirupati
- Mr Jai Ganesh Suresh, Senior AI Architect Lead
  Valeo, Chennai

Participants

The programme is open to all faculty members, research scholars and industry practitioners who are interested in Artificial Intelligence and Machine Learning.

Registration

Academicians   : Rs. 2000/-(including GST)
Industry professional   : Rs. 4000/-(including GST)

The registration fee (including GST) is to be paid through online mode/ DD in favour of:

Beneficiary name: PSG Centre for Non-Formal & Continuing Education Bank
Account No. : 1481267367
IFSC Code : CBIN0280913
Bank Name : Central Bank of India
Branch Address: Peelamedu, Coimbatore-641004

Important Dates

Last Date of Registration   : 20.11.2024

Intimation of Selected participants: 22.11.2024

Organizing Committe

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Coordinators

Dr. B. Gomathy
Professor
Department of CSE
PSG Institute of Technology and Applied Research
Email id:drgomathy@psgitech.ac.in
Mobile Number:+91 9486197962

Dr. A. Sunitha Nandhini
Assistant Professor (Sl. Gr.)
Department of CSE
PSG Institute of Technology and Applied Research
Email id:asn@psgitech.ac.in
Mobile Number:+91 8610133811