DTE Code: 4151   www.tgpcet.com

TULSIRAMJI GAIKWAD-PATIL
College of Engineering & Technology

Approved by AICTE, New Delhi and Govt. of Maharashtra | An ISO 9001:2015 Certified Institution
An Autonomous Institutions Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
NBA Accredited (ME & EE) UG Programmes

13th to 17th May, 2024

One week Faculty Development program (Self Finance)

on

"Multifaceted Nature of Artificial Intelligence"

In Association with

ISTE — INDIAN SOCIETY FOR TECHNICAL EDUCATION

CleverInsight

COMPUTER SOCIETY OF INDIA — ESTD. 1965

Organised by

Department Of Computer Science & Engineering CSE-Data Science

INSTITUTE VISION

"To emerge as a learning Center of Excellence in the National Ethos in domains of Science, Technology and Management"

INSTITUTE MISSION

- To strive for rearing standard and stature of the students by practicing high standards of professional ethics, transparency and accountability.
- To provide facilities and services to meet the challenges of Industry and Society.
- To facilitate socially responsive research, innovation and entrepreneurship.
- To ascertain holistic development of the students and staff members by inculcating knowledge and profession as work practices.

ABOUT INSTITUTE

Gaikwad-Patil Group of Institutions (GPGI) provides education in various sectors such as Engineering & Technology, Science, Management, Architecture & Health Science.

Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET) was established in the year 2007 by Vidarbha Bahu-uddeshiya Shikshan Sanstha (VBSS), a registered society. It is a self-financed Private Engineering College, which is affiliated to RTMNU, Nagpur and is approved by AICTE, New Delhi and DTE, Mumbai, Maharashtra State. The Institute is NAAC Accredited with A+ grade (3.32 CGPA). It is an Autonomous Institute affiliated to RTM Nagpur University, Nagpur. TGPCET offers Eight PG programs in engineering such as Computer Science and Engineering, Integrated Power System, Structural Engineering, Electronics Communication Engineering, Artificial Intelligence & Machine Learning, Mechanical Engineering Design, Aeronautical Engineering, Electric Vehicle Tech. & also offers PG programs in Master of Business Administration as well as Master in Computer Application .

The College offers UG programs in engineering such as Bio-Technology, Aeronautical Engineering, Computer Science and Engineering, Computer C.S.E. (Data Science), Information Technology, Electronics and Communication Engineering, Mechanical Engineering, Civil Engineering and Electrical Engineering. The institute also offers diploma courses in Mechanical Engineering, Civil Engineering, Computer Science and Engineering & Electrical Engineering .

ABOUT FDP

The FDP will delve into foundational concepts of AI, encompassing machine learning, deep learning, and data analytics, while emphasizing their practical applications in healthcare, finance, education, and beyond. Participants will explore ethical considerations associated with AI deployment, including bias mitigation, privacy preservation, and responsible AI development. Through interactive sessions and case studies, faculty members will gain insights into cutting edge AI technologies such as natural language processing (NLP), computer vision, and robotics, illustrating their potential in revolutionizing industries and society. The program will highlight interdisciplinary collaborations, encouraging educators to explore innovative research projects that leverage AI alongside emerging technologies like Internet of Things (IoT) and blockchain.

SIGNIFICANCE AND OBJECTIVE

- Explore the Multidisciplinary connections between AI and other emerging technologies like Internet of Things (IoT), robotics, and data analytics.
- Encourage collaboration among faculty members from different disciplines to explore Multidisciplinary AI research projects.

KEYNOTES

- Introduction to Artificial Intelligence (AI)
- Foundations of Machine Learning and Deep Learning
- Data Preprocessing and Feature Engineering
- Natural Language Processing (NLP) and Conversational AI
- Computer Vision and Image Processing
- AI for Education and Learning Analytics
- AI Applications in Healthcare AI in Finance and Business
- Multidisciplinary Collaboration and Research Opportunities

PATRONS

Dr. Mohan Gaikwad-Patil,
Chairman, Gaikwad-Patil Group
Shri. Akash Gaikwad-Patil,
Vice Chairman, Gaikwad-Patil Group
Dr. Anjali Gaikwad-Patil, President,
Gaikwad-Patil Group of Institutions
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WHO CAN PARTICIPATE?

Target Audience, Faculty from AICTE approved institutions, Research Scholars, PG Scholars, participants from industries and host institution.

REGISTRATION FEES

Faculty members/ResearchScholars
(Ph.D/M. Tech./ BE/B. Tech.):Rs. 250/-

Payments can be made in cash, Demand draft, NEFT, Bhim or Google Pay Apptoour bank account.: Bank of India A/C No. 875610110004509 Dongargaon Branch, House No. 6, Wardha No. 1, Wardha Road At &Post Dongargaon, Dist. Nagpur – 441108 IFSC: BKID0008756

Registration Link:

https://forms.gle/9eaCw8fHbHcj9tMLA

*While paying registration fee, in remarks the purpose is to be written as "**FDP - Name of Applicant**".
(Kindly save the receipt or take screenshot of the payment)

IMPORTANT DATES

Last date of registration: **10ᵗʰ May , 2024.**
Workshop Dates: **May 13ᵗʰ-17ᵗʰ, 2024.**

The certificates will be issued to participants having minimum 80% attendance in all sessions followed by feedback and valedictory function.

PROJECT IMPACT-EXPECTED OUTCOME

- Enhanced Understanding of AI Fundamentals
- Collaborative Research Initiatives
- Preparation for Industry Demand
- Professional Networking and Collaboration

EXTERNAL SPEAKERS

Dr. Joydeep Chandra, IIT, **Patna**
Dr. Anup Nandy, Assistant Professor,
NIT, Rourkela
Dr. Anil Mokhade, VNIT, Nagpur
Dr. Milind Penurkar, Assistant Professor,
IIIT, Nagpur
Dr. G. K. Awari, HoD, GP, Nagpur
Mr. Yugal Raylu, HoD,
Dharampeth Science college, Nagpur
Mr. Robin Bastin, CTO, CleaverInsight. Pvt. Ltd
Prof. Pragati Patil, Assistant Professor
TGPCET, Nagpur
Prof. Abhimanyu Dutonde, Assistant Professor,
TGPCET, Nagpur
Dr. Prashant Thakare, Associate Professor,
TGPCET, Nagpur