DTE Code: 4151 **www.tgpcet.com**

TULSIRAMJI GAIKWAD-PATIL
College of Engineering & Technology

A+ NAAC

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
Approved by AICTE, Recognized by Govt. Maharashtra & affiliated to RTMNU Nagpur/MSBTE, Mumbai
MSBTE CODE: 1683

One Week Faculty Development Program
Sponsored by
AICTE Training and Learning (ATAL)Academy
on
Artificial Intelligence & Machine Learning

18th Nov 2024 – 23rd Nov 2024

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/ MSBTE Mumbai 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 Science and Engineering (Data Science), Information Technology, Electronics and Communication Engineering, Mechanical Engineering, Civil Engineering, Electrical Engineering, Artificial Intelligence and Machine Learning, Bachelor of Computer Applications and Bachelor of Business Administration. The institute also offers diploma courses in Mechanical Engineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Information Technology and Electronics & Communication Engineering.

COURSE CONTENTS

- Introduction to Artificial Intelligence
- Introduction to ML & its overview
- Deep Learning fundamentals & its overview Advancement in AI
- Revolutioning learning with AI
- Data Analysis & Prediction using Machine Intelligence Technique .
- Natural Language Processing & Generative Models.
- Mathematic for AI & Generative Models.
- Ethical Consideration in AI & Generative Models.
- Stress Management

OBJECTIVE OF THE COURSE

- To Provide a foundational understanding of artificial intelligence and machine learning concepts, including their history, evolution, and current trends.
- To offer practical sessions where participants can implement AI and ML algorithms, work with datasets, and use popular tools and frameworks
- To explore the applications of AI and ML in different fields such as healthcare, finance, education, and more. This helps participants understand the real-world impact and potential of these technologies.
- To encourage participants to engage in research by discussing current challenges, opportunities, and future directions in AI and ML
- To Address the ethical considerations and societal impacts of AI and ML.
- To Provide a platform for participants to collaborate, share knowledge, and build networks with peers and industry experts.

ABOUT ATAL ACADEMY

ATAL academy is established with a vision to empower faculty to achieve goals of Higher Education such as access, equity and quality. The academy also help in imparting quality technical education in the country and support technical institutions in fostering research, innovation and entrepreneurship through training.

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

Dr. Sandeep Gaikwad
Treasurer, Gaikwad-Patil Group of Institutions

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ELIGIBILITY OF PARTICIPANTS

ATAL FDP is open to regular faculty members of AICTE or UGC recognized educational institutions, technicaluniversities / deemed universities and other research / training institutions, Research Scholars, PG students and participants from Government, Industry (Bureaucrats / Technicians etc.).

KEYPOINTS

- There is no Registration fee for any participant.

- The FDP will be conducted in offline mode.

- Test will be conducted at the end of the programme.

- Participants will be selected on first come first serve basis. Selected candidates will be intimated by email only.

- The certificates will be issued to those participants who have attended the programme with minimum 80% attendance and scored minimum 60% marks in the test.

- Certificate will be issued by AICTE Training and Learning (ATAL) Academy.

REGISTRATION DETAILS

-There is No Registration Fees the said programme is sponsored by AICTE Training and Learning (ATAL) Academy.

-Interested participants can register using the following link:
https://atalacademy.aicte-india.org/login

Step1: Sign-Up
Step2: Select the Role 'Participant'
Step3: Click on Workshops
Step4: Select **"One Week FDP on Artificial Intelligence and Machine Learning"**.
Step5: Click the plus sign button to register. Participants will be selected on first come first serve basis.

RESOURCE PERSONS

1) **Dr. Milind Sarode** ,HOD, Computer Engg., Government Polytechnic, Nagpur
2) **Dr. Dilip Sisodiya**, Associate Professor & HOD CSE, NIT Raipur.
3) **Dr. Tausif Diwan**, HOD, CSE, IIIT ,Nagpur
4) **Mr. Nakul Deshmukh**, Director, IBase Technology, Amravati.
5) **Dr Atul Wadegaokar**, Managing Director, A.W. Consultancy Pune
6) **Dr. Anup Nandy**, Assistant Professor, NIT - Raurkela
7) **Dr. Jitendra Tembhurne**, Assistant Professor, IIIT, Nagpur
8) **Dr. Pragati Patil**, Vice – Principal,TGPCET, Nagpur.
9) **Dr. Anjali Mahajan**, HOD, IT, Government Polytechnic, Nagpur
10) **Mrs. Jaya Awari**, Meditation Trainer, Samarpan Yoga Center Nagpur

ADDRESS OF CORRESPONDENCE

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