**Workshop on Artificial Intelligence (AI) & Generative AI**

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# Introduction to the AI Workshop

The Al-Khwarizmi Institute of Computer Science (KICS) at UET Lahore is organizing a comprehensive workshop titled "Workshop on Artificial Intelligence (AI) & Generative AI" This workshop is designed to introduce the teaching staff from various faculties at UET with practical knowledge and hands-on experience of Artificial Intelligence (AI) tools and techniques.

Workshop Objectives:

* **Empower Educators:** Provide faculty members with the necessary skills and insights into the fields of AI and GenAI.
* **Practical AI Applications:** Offer hands-on sessions to familiarize participants with practical applications of AI/GenAI, including machine learning (ML) and deep learning (DL), prompt engineering etc.

## Workshop Structure:

* **Session 1:** (60 Minutes)
  + - Motivation for the workshop. How AI is going to affect education in near to long term future. Introduction to AI, covering the history, applications, and ethical implications. Participants will gain an understanding of supervised, unsupervised, and reinforcement learning, along with common algorithms and frameworks.
* **Session 2:** (60 Minutes)
  + - Hands-on ML/DL sessions, providing practical experience in applying these technologies.
* **Break** (15 Minutes)
* **Session 3:** (60 Minutes)
  + - Introduction to Generative AI, including tools like OpenAI's ChatGPT, DALL·E, and Gemini for text, graphics, and video generation.
* **Session 4:** (60 Minutes)
  + - Hands-on Generative AI applications in teaching, such as creating engaging presentations and getting help for improving faculty research.

The workshop aims to not only educate but also inspire faculty members to leverage AI for enhancing their educational delivery and preparing students for a future driven by AI innovations.

## Resource Persons

Mr Niaz Siddiqui, UET Alumni

Prof. Dr. Waqar Mahmood, Director KICS

Prof. Dr. Muhammad Usman Ghani Khan, Chairman CS department

# Workshops Time Schedule

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| **S. NO** | **Faculty** | **Workshop Dates** | | | | | | |
| 1 | Faculty of Mechanical Engineering | 30-May |  |  |  |  |  |
| 2 | Faculty of Earth Sciences & Engineering |  | 06-Jun |  |  |  |  |
| 3 | Faculty of Architecture & Planning |  |  | 13-Jun |  |  |  |
| 4 | Faculty of Chemical, Metallurgical & Polymer Engineering |  |  |  | 27-Jun |  |  |
| 5 | Faculty of Natural Sciences, Humanities & Islamic Studies |  |  |  |  | 04-July |  |
| 6 | Faculty of Civil Engineering |  |  |  |  |  | 11-July |