

# Workshop Report on “Leveraging Generative AI for Teaching and Research”

## Programme Title:

**Three Days Faculty Workshop on “Leveraging Generative AI for Teaching and Research”**

**Organized by:** Center for Teaching and Learning (CTL) and Department of Artificial Intelligence

**Date:** Thursday, 03rd October 2024 to Monday, 07th October 2024

**Location:** Room 1102, VU-1 Building

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## Overview

The workshop series aimed to empower faculty members, particularly those nominated as AI Champions and C2P2 Mentors from various departments at Vishwakarma University, Pune. Through sessions focusing on writing skills, teaching material development, and research paper writing, faculty members explored the innovative potential of generative AI in academia.

## Inauguration

The workshop was inaugurated by **Prof. Dr. Vijay Khedkar**, COE, Vishwakarma University, in the presence of **Dr. Supriya Lakhangaokar** (CTL Director), **Dr. Mayur Deshmukh** (CTL Coordinator), and **Prof. Jayendra Jadhav** (Coordinator of the Artificial Intelligence Department).

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## Day 1: Enhancing Writing Skills with Generative AI Tools

### Date:

**Thursday, 03rd October 2024**

**Time:** 3:00 PM to 5:00 PM

### Resource Persons:

- **Dr. Chetan Kapadnis** (IQAC Director, VU, Pune)
- **Dr. Pratibha Mahajan** (HOD, Department of Artificial Intelligence)

## Objectives

- Introduce generative AI tools for writing and content generation.
- Provide practical demonstrations for hands-on learning.

- Discuss strategies for integrating AI into academic writing and teaching methodologies.

## Session Highlights

1. **Introduction to Generative AI Tools:**  
Dr. Chetan Kapadnis provided an overview of generative AI, its functionalities, and applications in education.
2. **Hands-on Demonstration:**  
Faculty engaged in interactive sessions with various generative AI tools.
3. **Best Practices for Integration:**  
Dr. Pratibha Mahajan discussed ethical implications and integration strategies.

## Participant Engagement

The session encouraged faculty participation, fostering a collaborative environment. Feedback indicated a strong interest in further training. The session successfully achieved its objectives, equipping faculty with valuable insights.

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## Day 2: Developing AI-Enhanced Teaching Materials

### Date:

**Thursday, 04th October 2024**

**Time: 3:00 PM to 5:00 PM**

### Resource Person:

**Dr. Sukhpreet Kaur**

### Objectives

- Explore AI tools for creating teaching materials.
- Provide hands-on experience in developing AI-enhanced resources.
- Discuss effective integration of AI-generated materials into curricula.

## Session Highlights

1. **Introduction to AI in Education:**  
Dr. Sukhpreet Kaur highlighted AI's potential in enhancing teaching quality.
2. **Hands-on Workshop:**  
Participants created teaching materials such as lesson plans and quizzes using AI tools.
3. **Strategies for Effective Integration:**  
Insights on aligning AI resources with learning objectives were provided.

## Participant Engagement

Active discussions and enthusiasm for implementing AI tools were noted among participants.

This session marked a significant step in empowering faculty to leverage generative AI for teaching.

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## Day 3: Writing Research Papers with AI Assistance

### Date:

**Thursday, 07th October 2024**

**Time:** 3:00 PM to 5:00 PM

### Resource Person:

**Prof. Jayendra Jadhav**

### Objectives

- Introduce AI tools for assisting in research writing.
- Provide hands-on experience for literature reviews, drafting, and editing.
- Discuss ethical considerations in using AI for academic writing.

### Session Highlights

- 1. Introduction to AI in Research Writing:**  
Prof. Jayendra Jadhav discussed how generative AI can streamline the research writing process.
- 2. Hands-on Writing Workshop:**  
Participants utilized AI tools for drafting and enhancing research papers.
- 3. Best Practices and Ethical Considerations:**  
Guidelines for maintaining academic integrity while using AI were discussed.

### Participant Engagement

The session encouraged active participation and shared experiences in research writing. The workshop successfully equipped faculty with practical tools for enhancing their research writing process.

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## Feedback and Insights

A feedback link was provided after each session, gathering participant thoughts and suggestions. Responses indicated a positive reception overall, with participants appreciating the practical, hands-on approach of the workshops. Many expressed interest in further sessions focusing on advanced AI applications in teaching and research.

## Photographs



**Prof Dr Pratibha Mahajan, HOD, AI Dept.**













