**A Report on Workshop on**
**"Machine Learning for Web Developers"**
**Organized by**
**Department of Computer Science & Engineering - Artificial Intelligence**
**In Association**
**with**
**Google Developers Educator Program India**
**11ᵗʰ August 2023**



**Submitted by: Dr K Hemalatha, Assistant Professor, Dept. of CSE-AI**
**Attendance: 53 Students.**

## OBJECTIVES OF THE WORKSHOP:

The workshop "Machine Learning for Web Developers" was designed with a comprehensive set of objectives, aiming to provide participants with a well-rounded understanding of how Machine Learning can be integrated into web development. The objectives included:

- **Introduction to Machine Learning**: To introduce participants to the fundamental concepts of Machine Learning, enabling them to grasp the underlying principles and terminology.

- **Bridging the Gap**: To bridge the gap between traditional web development and Machine Learning, helping participants recognize the potential of combining these disciplines for enhanced web applications.

- **Hands-on Experience**: To offer practical, hands-on experience by engaging participants in coding exercises, enabling them to apply Machine Learning techniques to real-world web development scenarios.

- **Machine Learning Libraries**: To familiarize participants with popular Machine Learning libraries and frameworks, such as TensorFlow.js, empowering them to leverage existing tools for their projects.

- **Creating ML-Powered Web Applications**: To guide participants through the process of developing web applications that integrate Machine Learning models, from data preprocessing to deployment.

- **Innovation and Creativity**: To encourage innovative thinking and creativity among participants, inspiring them to explore unique ways of enhancing web development through Machine Learning.

- **Industry Insights**: To provide insights into how Machine Learning is currently being utilized in web development and its potential future applications, giving participants a glimpse of industry trends.

In an effort to empower and equip students with cutting-edge skills, a transformative workshop on "Machine Learning for Web Developers" was held in MITS college on 11-08-2023 as a part of the prestigious Google Developers Educator Program India. The workshop aimed to bridge the gap between traditional web development and the exciting world of Machine Learning, offering participants a unique opportunity to enhance their expertise and explore new horizons. Dr K Hemalatha, Assistant Professor, Dept of CSE-AI delivered the talk about how to develop the Machine Learning based Web applications in simple and efficient manner using tensorflow.js. Throughout the event, participants (53) engaged in hands-on sessions, coding exercises, and interactive discussions, fostering an environment of collaborative learning.

This workshop stands as a testament to the commitment of MITS College and the Google Developers Educator Program India in nurturing the talents of budding technologists. By providing this unique amalgamation of theory and practice, the event has not only equipped the attendees with valuable insights but also ignited a spark of innovation that promises to illuminate their future endeavors.