



Aligarh Muslim University
IEEE STUDENT BRANCH

ARTIFICIAL INTELLIGENCE FOR A GREENER TOMORROW : SUSTAINABLE SOLUTIONS

Date: 4th October, 2023

The webinar titled "Artificial Intelligence for a Greener Tomorrow: Sustainable Solutions" was held on October 4, 2023. The speaker for this enlightening event was Dr Sarfaraz Masood, Associate Professor at Jamia Millia Islamia (JMI), New Delhi. Dr Masood shared his expertise in Artificial Intelligence (AI) and its potential to address the 17 Sustainable Development Goals (SDGs). He began the session by highlighting the significance of the 17 SDGs established by the United Nations. These goals cover a broad spectrum of global challenges, including poverty eradication, clean energy, gender equality, and environmental conservation and many more. Dr Masood discussed the pivotal role of AI, particularly machine learning (ML), in achieving these SDGs. He actually provided a clear overview of how to use Machine Learning in such a scenario by providing the classifications as Supervised Learning, Unsupervised Learning and Reinforcement Learning. He also introduced the attendees with the various online platforms from where they can get the classes and lectures on developing Technical Skills. He provided insights into the technical aspects of AI, focusing on deep learning and convolutional neural networks (CNNs). Explained how these advanced models revolutionize various domains by their ability to learn intricate patterns and representations from data.

The tasks and the approach to accomplish them was also discussed. Such as Green Cover Detection, Bird Specie Detection from Sound and Waste Segregation. In a captivating segment of the webinar, Dr Masood introduced attendees to a remarkable software known as Teachable Machine.

He demonstrated how users could input their datasets to enable the recognition of objects through either images or voice. The practical demonstration of this software was met with enthusiasm and was undoubtedly beneficial to the participants.

Dr. Sarfaraz Masood (Associate Professor, DIT Computer Engineering) (Presenting)

Teachable Machine

8:01 PM | AI for a Greener Tomorrow : Sustainable Solution

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SUSTAINABLE LEARNING

DESIGN: Intelligent components, Big data, Environmental Systems, Negative Learning, Customer Segmentation

TEACHING: Personalized Learning, Customized Content, Personalized Content, Personalized Content

ASSESSMENT: Real Time Decision, Game AI, Learning Data

LEARNING: Robot Navigation, Skill Acquisition

8:02 PM | AI for a Greener Tomorrow : Sustainable Solution

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Source: <https://www.who.int/data/gho/data/themes/sustainable-development-goals/>

8:03 PM | AI for a Greener Tomorrow : Sustainable Solution