

## **Working Group Meeting for Certificate Course on Artificial Intelligence: 16 October to 18 October 2024**

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The working group meeting for the development of the Certificate Course on Artificial Intelligence was held from 16 to 18 October 2024 in the Department of Engineering at PSS Central Institute of Vocational Education (PSSCIVE), Bhopal. Distinguished experts, including Dr. Agya Mishra, Professor at Govt. Engineering College, Jabalpur; Dr. Harivansh Pratap Singh, Test Analyst, Noida; Dr. Anil K. Dubey, Associate Professor, ABES, Ghaziabad; Mr. Ankit Srivastav, SRF, NIT Agartala; and Mr. Virendra Kumar Yadav, SRF, IIT Delhi, contributed to the development of the curriculum. The meeting aimed to ensure that the course aligns with industry standards and maintains academic rigor. The group outlined key topics to be included in the curriculum, such as Introduction to AI and Machine Learning, Data Science Fundamentals, Neural Networks and Deep Learning, AI Ethics and Societal Impact, and Practical Applications of AI across various sectors. A modular approach was agreed upon, providing flexibility for learners. Each module will encompass theoretical concepts, hands-on projects, and assessments to gauge understanding.

Emphasis was placed on incorporating case studies and real-world projects, facilitated by Dr. Harivansh's industry connections. Potential guest lectures from AI professionals were also discussed to provide students with insights into current trends. A structured feedback process will be implemented to continually improve the course based on participant input.

It was proposed that the course would be delivered over 150 hours, utilizing a hybrid model combining online and in-person sessions. The meeting concluded with a strong commitment from all participants to deliver a high-quality educational experience. The collaboration between academia and industry aims to equip students with the necessary skills for the rapidly evolving field of artificial intelligence.