Skill Development Programme
Artificial Intelligence and Machine Learning
June 19-27, 2023
Online Mode

Empowering Girls to Reduce the Gender Gap in IT and ITES Sectors in South Asia Region: Training and E-Content Development Programme

About Asi@Connect

Asi@Connect provides dedicated high-capacity internet connectivity for research and education communities across Asia-Pacific; operating at speeds of up to 10 Gbps, it currently interconnects universities and research centres in 21 countries/economies across the region. It also connects 50 million European researchers and academics served by the GÉANT network and supports collaborative programmes in areas such as earth observation, disaster warning, climate research, food security, delivery of e-health and e-learning.

About the Project

Reducing the gender gap in higher and technical education in the South Asia region is the need of the hour for the overall growth of the third world. Serious efforts are needed for greater involvement of girls in emerging technologies and future professions for the growth of the region. This project aims to bridge the gender gap in the South Asia region and create an ecosystem of collaborative learning and education by connecting people with cultural diversities and traditions. Under the project, skill development programmes for girl students and capacity-building programmes for college and university teachers are being conducted. E-content development is also planned under the project in emerging areas of IT.

Project Team

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- Dr. Tulsi Gurung, Royal University of Bhutan
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About the Course

Artificial intelligence (AI) has impacted scientific advancements in recent years and almost every field is finding enormous applications of AI and Machine Learning (ML). To develop capacity in universities and colleges of the South Asia region, the course aims to cover important topics in AI and ML and provide hands-on experience in developing and deploying AI models in different domains. This course will cover fundamental topics as well as recent research in the field of AI and its applications.

Course Contents

- Introduction to Artificial Intelligence (AI) and Machine Learning (ML).
- AI as a Service Platform, Introduction to Python Programming Language, Keras and TensorFlow.
- Supervised and Unsupervised Machine Learning, More on ML Approaches: Clustering Algorithms.
- Neural Networks: Feed-forward Networks, Backpropagation, Optimization and Regularization.
- Deep Learning, Convolutional Neural Networks (CNNs).
- CNN models for Object Detection and Related Problems.
- Language Models and ChatGPT.
- Recent Trends in Deep Learning.

COURSE COORDINATORS

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For details visit our website

https://www.iiitdmj.ac.in/asia-connect.iiitdmj.ac.in/SDP3.html

Registration Link

No Registration Fee. Course is open for UG and PG students. Preference will be given to female applicants.
https://docs.google.com/forms/d/e/1FAIpQLScHaFnu0wC3Hp639dam5RrBoGimK9-mUtsynY7ojpChXvmZ3Q/viewform?usp=sf_link

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