



## ONLINE

### Organized by

MMTTC  
PRSU  
Raipur 492010  
Chhattisgarh

### Short Term Course in Modern Machine Learning Techniques **10.02.2024 to 17.02.2024**

### Course Coordinator

**Prof. Kavita Thakur**  
SoS in Electronics & Photonics, Pt.  
**Ravishankar Shukla**  
University, Raipur, (C.G.)

The UGC-MMTTC, PRSU, Raipur, in association with Institute Innovation Council (IIC), PRSU, Chhattisgarh is organizing an **Online STC in Modern Machine Learning Techniques** during 10.02.2023 to 17.02.2023.

#### Course Module:

The Short-term Course on Modern Machine Learning Approaches for teachers engaged in higher education teaching-learning and research will help them to update themselves on the latest trends and techniques in the field of Machine Learning Techniques, and their applications. This course will provide a platform to discuss and to get acquainted with recent developments in the field of Machine Learning Approaches while emphasizing on fundamentals of the subject. It is also designed for capacity building in modern machine learning approaches and various schemes of the government for Science and Technology. Along with other areas, the course includes topics on innovative practices and approaches which can be adopted by teachers of Science and Technology fields. It will also encourage them to share their own experiences and ideas for improving their teaching, learning and training practices.

#### Objective:

- To enhance the knowledge and skills of Science and Technology teachers in various aspects Modern Machine Learning Approaches.
- To expose Science and Technology teachers to the latest trends and techniques in Modern Machine Learning Approaches.
- To provide Science and Technology teachers with opportunities to exchange experiences and learn from their peers and experts.
- To enable Science and Technology teachers to apply the learned concepts and skills in their own teaching practice.

#### Course Coordinator

##### **Prof. Kavita Thakur,**

Professor, S.o.S in Electronics & Photonics, PRSU, Raipur. Email: [kavithakur67@gmail.com](mailto:kavithakur67@gmail.com) Mob:+91-9926801119,

Contact : **Prof. Preeti K. Suresh**, Director MM-TTC - 9827938427, **Dr. Brijendra Pandey** - 9827159831

[Email:rchrdcprsu@gmail.com](mailto:rchrdcprsu@gmail.com) Website: [www.prsu.ac.in](http://www.prsu.ac.in)

On line Application link is : <https://forms.gle/Aq4ViytjF7AkqlTX7>

#### Target Group:

Interested College / University teachers of Electronics/Physics/Computer Science/Electronic Engineering/ Information Technology/Electronics and Telecommunications Engineering/Electrical Engineering/ Biomedical Engineering with at least three years experiences can apply through email to any of IDs mentioning their name, designation, subject and institution. However, they are required to fill up the application form of MMTTC ([www.prsu.ac.in](http://www.prsu.ac.in)) and produce relieving certificate from their Institution when they join the Short-Term Course. Candidates working in those universities and colleges that are included under Section 2(f) of the UGC Act, even though they may not yet be fit to be included under Section 12(B), may participate in the Refresher Course. The teachers of college that do not yet come within the purview of Section 12(B), but have been affiliated to a university for at least two years, will be also allowed to participate in the Program.

**Mode of Delivery:** Online Sessions on Google Meet. Sessions will be held from 10:30 to 17:30 daily.

**Requirement for the Course:** Desktop/ Laptop/ Smartphone with good Internet Connectivity (Webcam, Microphone, headphones and Multimedia enabled).

**Registration fee:** Rs. 1000.00 (non-refundable), to be paid online in Director, ASC bank account number - 30644576182; IFSC code: SBIN0003739, State Bank of India, PRSU, Raipur.

**Number of Participants:** Minimum 20 and Maximum 40 on first come first serve basis.



# MALAVIYA MISSION TEACHER TRAINING CENTRE

Pt. Ravishankar Shukla University, Raipur

Chhattisgarh - 492010



Modern

# MACHINE LEARNING

Techniques

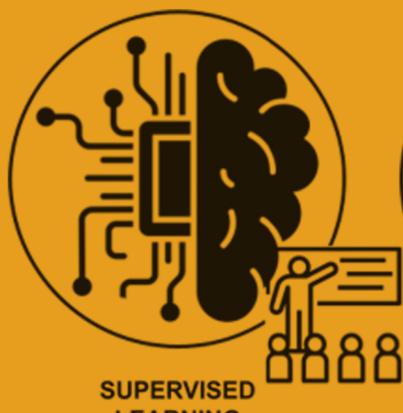
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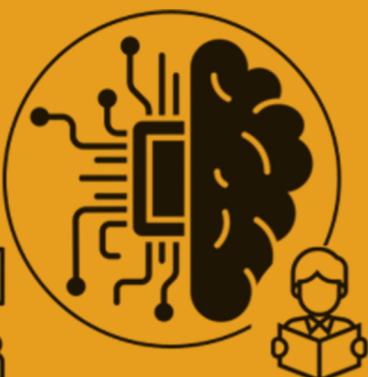
**February 10 - February 17, 2024**

### Topics to be Covered

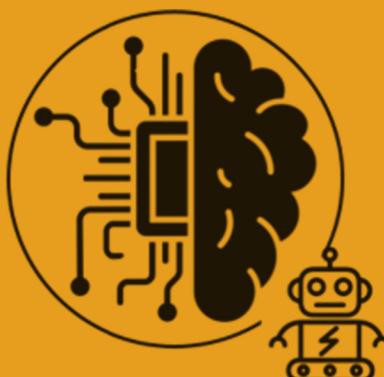
Deep learning techniques, Deep generative models, Graph neural networks,  
Learning from multimodal data, Learning theory and algorithms  
Distributed/federated learning, Machine learning over wireless networks  
Reinforcement learning and their applications.



SUPERVISED  
LEARNING



UNSUPERVISED  
LEARNING



REINFORCEMENT  
LEARNING