



Module PMRF-ISSS102/II/2025

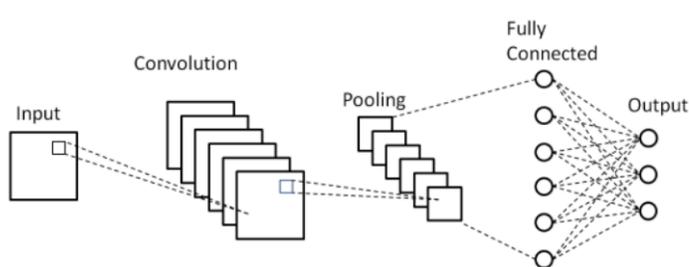
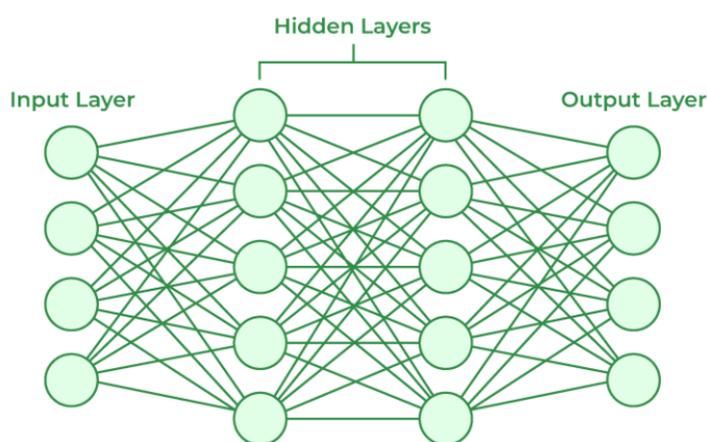
Advanced Concepts in Machine Learning

Name of the PMRF student

Sagnik Acharya

Required background of the students taught

Interdisciplinary Course, most beneficial for Engineering students in Computer Science, Electrical/Electronics, Mechanical, Materials and Civil backgrounds



Details of the content of the module

This course is aimed at students with some background in Machine Learning. Students are expected to know basic Linear and Logistic Regression, SVD and PCA. The lectures will include coding sessions for clarity and discussion sessions for clearing doubts etc. The lectures in this course will focus on the following topics:

- Module 1 – Artificial Neural Networks
- Module 2 – Support Vector Machines (SVMs)
- Module 3 – Recommender Systems
- Module 4 – Convolutional Neural Networks (CNNs)
- Module 5 – Recurrent Neural Networks (RNNs)

Schedule of the module

Start: 28th October 2025

End: 15th December 2025

Lecture Timings: Mon, Fri 6 – 8 PM

Meeting link : Will be shared later

Contact email ID: iss.forum@gmail.com

Registration link:
<https://forms.gle/YpB5qMKVrUrEXjfv8>