

PMRF-ISSS Teaching Programme

Prime Minister Research Fellowship students' teaching requirement

facilitated by the Institute of Smart Structures and Systems



Module PMRF-ISSS054/II/2025

Subset Selection for Large Language Models

Name of the PMRF student

Prateek Chanda

Required background of the students taught

Discipline(s)

Computer Science

Electrical Engineering

Mathematics

Details of the content of the module

The following is the list of topics to be covered

- Introduction to ML
- Subset Selection and Coresets in Machine Learning
- Language Models Introduction
- Influence measures guided LLM training
- Subset selection techniques in LLM training
- Coresets and Geometric Approximation
- Application of Subset selections in LLM Training / Finetuning

These will be mostly lecture series with problem solving sessions



Schedule of the module

June 21st - Sept 5th

Saturday 3:30pm-5:00pm

Sunday 3:30pm-5:00pm

Meeting link : Will be shared later

Link: [MS Teams meet Link](#)

Contact email ID:

prateekko121@gmail.com

Registration link:

<https://forms.gle/cLav9DNA sj9YMT7E8>