Sl.NO	Project Topics
1	CVX programming and Applications
2	Newtons Method and Applications
3	Page rank algorithm and Google search engine
4	SVD and its applications
5	Support vector machine (SVM) and its applications
6	Least square based signal processing
7	Least square based image processing
8	Information entropy and data compression
9	DMD and its applications
10	Multivariate regression and applications
11	Neural Network along with backprogation algorithm.
12	DCT and its application
13	DST and its applications
14	Cryptography with Linear Algebra
15	Fourier transform and applications
16	Linear Algebra for Pattern Classification
17	Multivariate Gaussian and Weighted Least Squares
18	Fourier Series and Applications
19	Projection Matrices and Its Applications
20	Signal processing using calculus
21	Random Number Generator from multivariate Gaussian distribution
22	Newton Method and Maximum Likelihood Estimation
23	Nonlinear Regression using Newtons Method
24	Signal processing using chebfun
25	Pseudo inverse and its applications in signal processing
26	Multivariate optimization and applications in signal processing
27	Pseudo inverse and applications in pattern classification
28	Multivariate Taylor series and applications
29	Graphs & Networks in Linear Algebra Language - Applications
30	Unconstrained Optimization and Applications

Instructions to be followed

1	Each group must select a unique topic, preventing any duplication across groups.
2	The topics chosen should not be the same as those selected in the previous semester.
3	CRs are requested to submit the list of project groups, along with their respective selected topics, **no later than 04 Jan 2025**.
4	Abstract submission and presentation are scheduled for the last week of Jan 2025