**Winter Workshop**

**Video Links -**

1. Intro to ML and Data Science:

<https://fb.watch/8KyBHndGBI/>

1. Support Vector Machines:

<https://fb.watch/8KyOGD05JH/>

1. KNN:

<https://fb.watch/8KyWtBJseb/>

1. Naive Bayes classifier:

<https://fb.watch/8Ky_exRqxh/>

1. Decision tree and random forest:

<https://fb.watch/8Kz2O1Xm-8/>

1. Boosting(ensemble learning):

<https://fb.watch/8Kz5FP4S0B/>

1. Feature selection, hyperparameter tuning, dealing with imbalanced data:

<https://fb.watch/8Kzept3CIY/>

1. Introduction to neural network and deep learning :

<https://fb.watch/8KzAfpLCDZ/>

1. Introduction to Convolutional Neural Networks :

<https://fb.watch/8KzCC4F93r/>

1. Introduction to Clustering :

<https://fb.watch/8KzETEOonV/>

1. Understanding Time Series Forecasting :

<https://fb.watch/8KzILqoIC5/>

**PPTs and pdfs** -

1. Intro to ML and Data Science:

<https://drive.google.com/file/d/1rN8S4ZQWdn8wAt1RT7dGnW4mBs4GoJDm/view?usp=sharing>

1. Support Vector Machines:

<https://drive.google.com/file/d/15-dtIF5o125F2KahtekFwG2w1_Kkkytc/view?usp=sharing>

1. KNN:

<https://drive.google.com/file/d/1BrWAzL8swSpZhWCLDDBuzxtrKhv0of5T/view?usp=sharing>

1. Naive Bayes classifier:

<https://drive.google.com/file/d/1gGJfWXgW36KC_Tl_cmJXDMsxSVpWUOh8/view?usp=sharing>

1. Decision tree and random forest:   
   <https://drive.google.com/file/d/1SxkMnsf7apxE14NWDfL34gGtM9E5lqdJ/view?usp=sharing>
2. Boosting(ensemble learning):

<https://drive.google.com/file/d/1uQQBac-GmmNTz0lU-ri2_92QiGFl9Yhx/view?usp=sharing>

1. Feature selection, hyperparameter tuning, dealing with imbalanced data:

<https://docs.google.com/presentation/d/1A865-7rLf5dEsHwCkU_PbvQ31eej5PkZenRP5p0wkwg/edit?usp=sharing>

Code -

<https://drive.google.com/file/d/1Qshm4xPWClqLirvVPnN4VjqLeKBTBlmY/view?usp=sharing>

1. Introduction to Convolutional Neural Networks :

<https://docs.google.com/presentation/d/10i7YFwVy8BUpdWXtHxZ5eWSwj_qLUZdQ/edit?usp=sharing&ouid=111519001097780204580&rtpof=true&sd=true>

Code -

<https://drive.google.com/file/d/1ENzVBPDyEbHudMzg7UOymwjhiebjayQO/view?usp=sharing>

1. Introduction to Clustering :

<https://docs.google.com/presentation/d/17lMfcg4peIX97MXF312zqxXUEKnchJAPzEK3SZJVDsQ/edit?usp=sharing>