Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Program	Master of Computer Applications	*Semester*	Winter 2023-24
Course Title	Machine Learning Lab	*Slot*	L11+L12
Course Code	PMCA507P	*Date*	09/01/2024
Faculty Name	Dr. Tulasi Prasad Sariki	*Week No.*	1

Instructions:

- *Provide your solutions in the **template** file provided to you.*
- *Write down the **inferences** wherever its needed.*
- *If any **assumptions** required while solving, assume and mention the same.*
- *Upload the worked out solutions in **pdf** format.*

1. *Import the required libraries.*

2. *Import the required datasets.*

3. *Display the dataset information.*

4. *Drop the unnecessary features given in the datasets.*

5. *Deal the missing data if exists in the given datasets.*

6. *Deal the outliers if exists in the given datasets.*

7. *Deal class imbalance property if exists in the given datasets.*

8. *Apply feature encoding if required.*

9. *Apply feature scaling if required.*

10. *Reduce the feature space if required (reduction)*

11. *Split the dataset into training & testing*