### ASSIGNMENT 3

### CS5691 Pattern Recognition and Machine Learning

# **CS5691** Assignment 3

### Team Members:

BE17B007	N Sowmya Manojna
PH17B010	Thakkar Riya Anandbhai
PH17B011	Chaithanya Krishna Moorthy

Indian Institute of Technology, Madras



## **Contents**

	Dataset 1A	
	1.1 Perceptron	2
	1.2 MLFFNN	2
	1.3 Linear SVM	2
	Dataset 1B	
	2.1 MLFFNN	
	2.2 Non-Linear SVM	3
3	Dataset 2A	4
	3.1 MLFFNN	4
	3.2. Gaussian-kernel SVM	4

- 1 Dataset 1A
- 1.1 Perceptron
- 1.2 MLFFNN
- 1.3 Linear SVM

- 2 Dataset 1B
- 2.1 MLFFNN
- 2.2 Non-Linear SVM

- 3 Dataset 2A
- 3.1 MLFFNN
- 3.2 Gaussian-kernel SVM