R V College of Engineering, Bengaluru

(Autonomous Institute under VTU, Belagavi)

Department of Master of Computer Applications

CONTINUOUS INTERNAL EVALUATION (CIE)

M.C.A THIRD SEMESTER

18MCA343- MACHINE LEARNING

ASSIGNMENT

Faculty: Dr. Andhe Dharani

Assignment-1: The Learning Task — Last Date for Submission: 10-12-2019

Instructions:

- This assignment is Group assignment as per the Group list enclosed at the end of this document
- The Softcopy of the code and report must be easy to read and understand and the code should be commented
- Two phases of review of the work will be done
  - Phase 1 (Before October End)
    - Problem definition – what, why and how
    - Data set and features considered
    - Which type of ML algorithm to be used and why
    - Sample datasets with explanation to be given
  - Phase 2 (Before first week of December)
    - Demonstration of Working model with outcomes
    - Soft copy and hard copy of the work and report done
- **Expected effective team contributions**
- **Any clarifications regarding this assignment can be discussed before the due date**
- **Students are required to send the softcopy (for applicable questions) to be mailed to andhedharani@rvce.edu.in on or before 10th December 2019**
- **Hard copy of the report to be submitted on or before 15th December 2019**

Objectives:

- **To make students an Unsupervised Psychomotor Learner without much biases, but wanted student to back propagate themselves for better learning.**

Outcomes:

- **I request all the students to write at least one sentence on what you have learnt from this assignment.**

Questions – Details of the work

Group No	USN	Name	Project Title	Brief Outcome of the Project	Tools and Technology
1.	1RZ18MCA32 1RZ18MCA22 1RZ18MCA34	Sohail Hussain Samskruti S Patil Sucheta Bhat	Import Export Analysis of India	Analysis of previous imports & exports with visualization and prediction of future trade	R language with R Studio Python for front
2.	1RZ18MCA09 1RZ18MCA05 1RV18MCA14	Datar Priyanka Milind Bhavika Vasandani Krishna Shaha	Traffic sign detection	Detects and recognizes traffic sign	Anaconda Python
3.	1RZ18MCA04 1RZ18MCA20 1RZ18MCA46	Bahubali Ashok Kurali Rajesh G Varun Naik	ICC 2023 Cricket World Cup Winner Prediction	Who can win upcoming 2023 icc cricket world cup	Jupiter Notebook Numpy Pandas Seaborn Matplotlib Scikit-learn
4.	1RZ18MCA37 1RZ18MCA21 1RV18MCA38	Sunil Kumar S H Reetesh Kumar Ravi Chandra	Forest fire	This is a difficult regression task, where the aim is to predict the burned area of forest fires	R studio and Python
5.	1RD18MCA11 1RZ18MCA10	Jojode Yeshwant Dhanush S	Know your donor	To know whether donor is healthy or not by tracking donor's foot steps and heart rate	Google APIs Firebase ML kit
6.	1RD18MCA01 1RV18MCA06	Aditya raj Anujna P Rao	Library book recommendation system based on user profile.	Based on user profile,borrowing history of books and behavior of other students of same batch and interest. This system can predict or suggest books that a student might be interested. This system using collaborative filtering algorithm and association	Tools - Spider, Pycharm IDE, Excel && Technology - Python, Django

				rule to recommend books.	
7.	1RV18MCA31 1RV18MCA34	Prajwal Bhat Pushkara Amruta Shankar Chadichal	Research on android updates	Analyzing via customer feedback	R language
8.	1RV18MCA02 1RV18MCA05 1RZ18MCA03	Adarsh Kumar Ankita Patil Ankit Aman	Rainfall Prediction	Histogram Showing the Data From Attribute	PANDAS
9.	1RZ18MCA02 1RZ18MCA18 1RZ18MCA39	Akshay C Pednekar Nilay Kumar Swarnendu Gayen	Prediction of Real estate value	To predict the value of a house based on the area	PYTHON R MATLAB .
10.	1RZ18MCA14 1RZ18MCA01 1RZ18MCA15	Harshith Kumar K A M Vivin Aditya Hemanth Verma	Global terrorism	Finding out the regularity of terrorist attacks has important meaning for the global counter-terrorism strategy.	Python, R Pandas Spyder R studio Excel Kaggel for data set
11.	1RD18MCA03 1RD18MCA02	Akash Hebbar Ajith Naik	Movie recommendation system	A movie recommendation system is a type of movie filtering system which attempts to predict the preferences of a user, and make suggests based on these preferences and we are using movieLens dataset for this.	Python Spyder
12.	1RZ18MCA25 1RV18MCA37	Shaminaz Ranjitha B B	Analysis of google play store apps	The rating of the apps along with predicting and recommender system	Rstudio Python 3
13.	1RV18MCA24 1RV18MCA28 1RD18MCA09	Navya M Nishchita Nayak Devaki J	Diabetes prediction	Accurate results of diabetes based on blood samples.	Python Pandas Matlab
14.	1RV18MCA37	Nidhi Shenvi	Student	To predict the	Spyder

	1RV18MCA07	Arpita Chikkodi	performance analysis	student's performance at SEE(final exam)	
15.	1RD18MCA17 1RV18MCA44	Thikshaya M Sakina M	Heart Disease Prediction	Predicting whether a person will get heart disease	R language Spyder IDE
16.	1RD18MCA04 1RV18MCA25	Akhil S Nayana G	Placement Analysis	Predicting the companies which are going to come next year and listing students who will be placed based on their current capabilities.	R Studio
17.	1RZ18MCA17 1RV18MCA22 1RV18MCA19	Mohammad Muzeeb Nadaf Manoj Koteswar	Twitter data analysis	To predict whether the tweet is rumour or not.	Python Pandas Twitter data sets
18.	1RV18MCA32 1RZ18MCA45	Pratim Sen Varun Kumar V	Subject Stream Prediction	In which stream students are appropriate for higher studies	Anaconda Pandas R studio
19.	1RZ18MCA48 1RZ18MCA36 1RZ18MCA19	Vidya Shanbhag Sumanta Sharma Poornachandra C M	Brain Tumor Detection	Predicting whether a person has brain tumour or not based on the MRI images of brain	Python R and R Studio
20.	1RV18MCA01 1RV18MCA15	Abhijeet Kriti Raj	Iris Flowers Classification	Working of all Supervised Machine Learning Algorithms learnt in unit 3	Python or R
21.	1RZ18MCA38 1RZ18MCA40 1RZ18MCA41	Sunny Kumar Swarup Kumar Umang Gupta	Human Activity Recognition using Smartphone Dataset	Extracting the data from smartpone and analyzing the attitude by pattern of activity	Python or R
22.	1RZ18MCA11 1RZ18MCA13	Fernandes Macklon Roshvin Hansen Quadros	Analysis of teaching / learning / events carried out	Finding out whether the faculty likes Learning ML during Teaching, 1RV18MCA## enjoy Learning ML in college Events carried out on Wednesday afternoon is	Python or R

				effective or not	