Pune District Education Association's COLLEGE OF ENGINEERING Manjari (Bk), Pune - 412307 DEPARTMENT OF COMPUTER ENGINEERING.

Assignment No. 1

Unit I

Subject: Machine Learning

Year: 2021-22 (Semester II) Marks: 50

Que.	Questions	BT	CO	PO	Mark
No		Leve			S
		1			
1	Define machine learning and state two examples or	1,2	CO1	1,2,12	10
	applications of machine learning in our day to day life.				
2	Explain the roles of machine learning algorithms in	1,3	CO1	1,2,3,4	10
	following applications :				
	a) Visual tracking with webcam or a Smartphone				
	b) Predictive analytics				
.3	Justify the statement Raw data has a significant impact on	1,2,3	CO1	1,2,3,4	10
	feature engineering process.				
4	With reference to machine learning explain the concept of	1,2	CO1	1,2,3,4	10
	adaptive machines.				
5	Explain data format for supervised learning problem with	1	CO1	1,2,3	10
	example.			, ,	

Subject Teacher (Prof. S.P.Gade)

Gauri Raut Assignment - 1 Page No .: YOUVA 0-1 Define Machine learning and state two examples or applications of machine learning in our day to day lives. Ans:-Machine learning is a subset of Artificial Intelligence, that provides systems ability to learn automatically. It is a concept which allows machines to learn from their experience and examples and improve from experience without being explicitly programmed. Machines learn from their experience and Makes predictions based on its experience A machine learning algorithm is trained on a set of data to create a model, this data is called as training data. Examples of Machine learning in our day to day lives :-Al online shopping Recommendation:-Recommendation of similar product while searching Ishopping a online product After buying one product, suggestion of people who bought this product also bought another product. B Target marketing using the concept of Clustering in machine learning:-Call centre people calling up and offering a bank loan or credit card. This call is made only to few selected Justomer who they think will purchase their product.

Page No.: YOUVA Date: Justify the statement :- Raw data has a Q-2 significant impact on features engineering process Post 1. Features engineering is the process of converting now data into features that can be used in building a model that can address the underlying problem and result into better accuracy on vinseen data. 2. Feature engineering is an important part in building any intelligent system. 3. There are a wide variety of methods used in building intelligent systems, like machine learning, deep learning and others, however each problem is domain Specific 4. In every domain, features play a significant sole in system performance These features are computed from raw data. related to the problem and the domain. This is the reason often a data scientist spends 70% of their time in data preparation before the model building process. 5. The process of feature engineering is time consuming and needs both domain knowledge and Mathematical computations background.

Page No.: YOUVA Date with reference to machine learning Q-3 explain the concept of adaptive machine Adaptive system has the ability to adapt its behavior to external signals like Ans:datasets or real time input to predict the futire. Input Output Adaptive, elemer Element system Parometer tuners or trainer Feedback Adaptive system isn't based on static or permanent structure (mode) parameters and architectures) but rather on a continuous ability to adopt its behavior to external signal (datasets or real-time inputs) and like a human being, to predict the future using uncertain and fragment tary pieces of information. Z 0 SH

YOUVA Date: Explain role of machine learning the 0-4 following common un-supervised learning problems: al Object segmentation De Similarity detection. Ans:- of object sequentation:-Object segmentation creates a pixel-wise mask for each object in the image. This technique gives us a far more granular understanding of the objects (s) in the image. Concer has long been a deadly illness Even in today's age o technological advancements, cancer can be fatal if we don't identify at an early stage. Detecting concerned cell (5) as quickly as possible can potentially save millions of lives. Then we will only generate bounding boxes which will not help us in identifying the shape of the rell b] similarity detection :-Similarity detection is an area of supervised Machine learning in artificial intelligence. It is closely related to regression and a similarity function that measur how similar or related two objects are

YOUVA Date: It has applications in ranking in recommendation systems, visual identity tracking, face verification, and speaker verification. Similarity detection is used in information set viewal for learning to mank, in face verification or face identification and in recommendations systems.

AVUOY Explain data formats for supervised 0-5 learning problem with example supervised learning :-Ans:supervised learning is when the model is getting trained on a labelled dataset. Classification (defined labels) supervised Regression (no labels defined) Learning 1/ Classification:is a supervised learning task where output is having defined lobels (discrete value). It can be either binary or multi class Classification. Example: - Gmail classifies mails in more than one classes like social, promotions, updates, forum. 2) Regression -It is a supervised learning task where output is having continuous value. The smaller the error the 9 greater the accuracy of our regression model. Example: Linear Regression. The goal here is to predict value as much closer to actual output values as our model can. Evaluation is done by calculating emor value.

Pune District Education Association's College of Engineering, Manjari (Bk.), Pune.

Computer Engineering Department

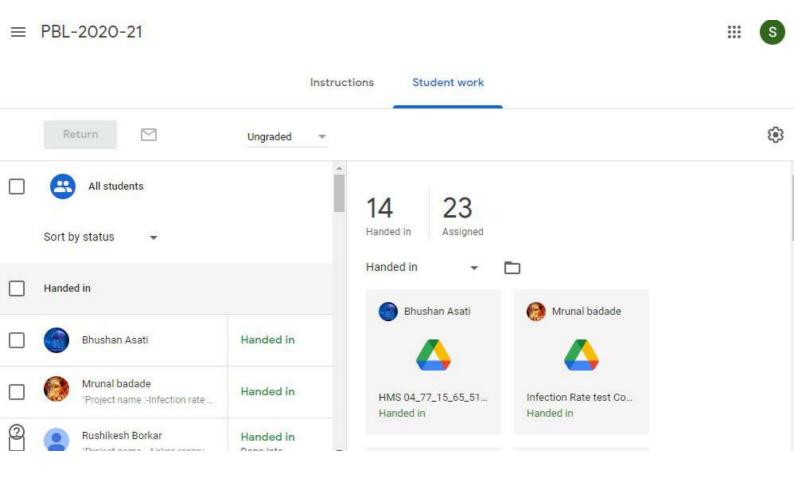
Subject: Project Based Learning II Project List-2020-21Class:SE.Comp.Subject Code:210258

Gr.N0	Group Members Name	Project Title & s/w used
	1 Adesh giri	Movie ticket system using C++
	Nikhil shinde	
	Indrajeet Karnade	
	Pravin Bhagat	
	Rutuja Jadhav	
	2 Shekhar Jagannath Pawar	Node JS Based website
	Amit Sunil Deshmane	
	Akash Shivaji Dhangar	
	Jagnade Ashish Rajendra	
	Kshirsagar Tushar Dattatraya	
	3 Bhakti kadam	Phone directory system using C++
	Nikita tamboli	
	Rohit Gaikwad	
	Suyash Joshi	
	Pranjal Burkule	
	4 Asati Bhushan Gyanchand	Hospital management
	Tembhare Mayur Kanhaiyalal	HTML,CSS,Php,Javascrip
	Dhandge Sayaji Sandipan	
	Rathod Ajesh Dhansing	
	Mandale Asha Babaji	
	5 Hritik Dhayde	Infection rate test covid-19 in c
	Maithili joshi	
	Vaishnavi Harale	
	Mrunal Badade	
	kalyani darekar	
	6 Mansi Lohare	Web scraping using python
	Samiksha Vitode	
	Shruti gaware	
	Vaishnavi Shelake	
	Abhishek dalavi	
	7 Neelam Koli	Clok with Alarm

	Yash Chaudhari	
	Yash Meshram	
	Vijay Kamble	
	Pranav Sanas	
8	Sunil Matkar	Food billing system using python
	vajinath panchakshari	
	Akash Kawale	
	Shyam Tayade	
	Shubham Daundkar	
9	Swapnil wani	Error Autoboot
	Ajay Kadam	Python
	kanishk Pagare	
	Sanket Mandhare	
	Dipak Wagh	
10	Tanvi ghule	ATM management system using c-
	Vaishnavi badhe	
	Anuja Kotkar	
	Shamika pawar	
	Amruta Tilekar	
11	Swapnil Mergal	Cricket score sheet
	Divya kharade	
	Cynthia Salve	
	Tanmay Agvile	
	Chirag Satpute	
12	Aniket Patil	Color Game
	Dheeraj Singh	
	Abhishek Karale	
	Chinmay gonde	
	Umesh ManePatil	
13	Mayur Ashok Gavade	Bank management system (python)
	Jatin Anil Tonge	
	Akshay Anil Nalkol	
	Sainath Govind Ibitwar	
	Karale Ganesh Balaji	

Staff Name:N.D.Sonawane

https://classroom.google.com/u/3/ta/not-reviewed/MzA1NTIwNzE4ODg1



A

Mini Project Report

Data Base Management System

On

Project Management System



Submitted to

Department of Computer Engineering

PDEA's Collage of Engineering Manjari BK Pune 412307

Submitted By:

Adesh Giri

Ajesh Rathod

Mayur Tembhare

TE Comp

Project Management System

PDEA, Manjari BK, Pune

CERTIFICATE



This is to certify that the below mentioned third year engineering students have carried out the necessary data base management system mini project report on **"Project Management System"** in the department of Computer Engineering.

PDEA's College of Engineering, Manjari BK, Pune 412307. They have completed this mini project report under my guidance in satisfactory manner in December 2021 of third year engineering.

Computer Engineering students have successfully completed a data base management system mini project report on **"Project Management System"** towards The fulfillment of their Degree in Computer Engineering in academic year 2021-2022.

The Performance of each of these students during the courses was very good.

Date:

Guide

HOD Computer Dept.

Principal

Prof. Swati Gade

Dr. R. V. Patil

Dr. R.V.Patil