Professional Readiness for Innovation, Employability and Entrepreneurship

Project Report for Week 4

Project Tile: AI-powered Nutrition Analyzer for Fitness Enthusiasts

Team ID: PNT2022TMID15800

GitHub ID: IBM-Project-24498-1659943754

Mentor Name: Mrs. S. Selvi

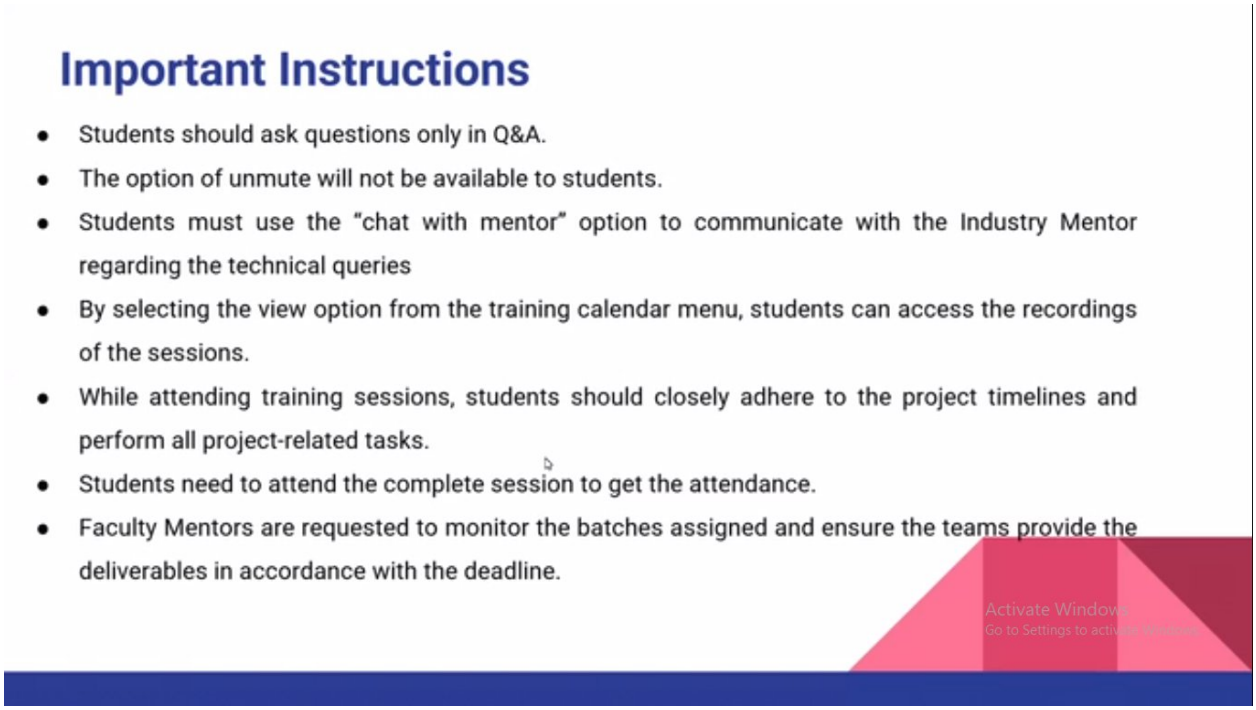
Team Members: P Jai Siva Ranjani (Team Leader) – 111719104118

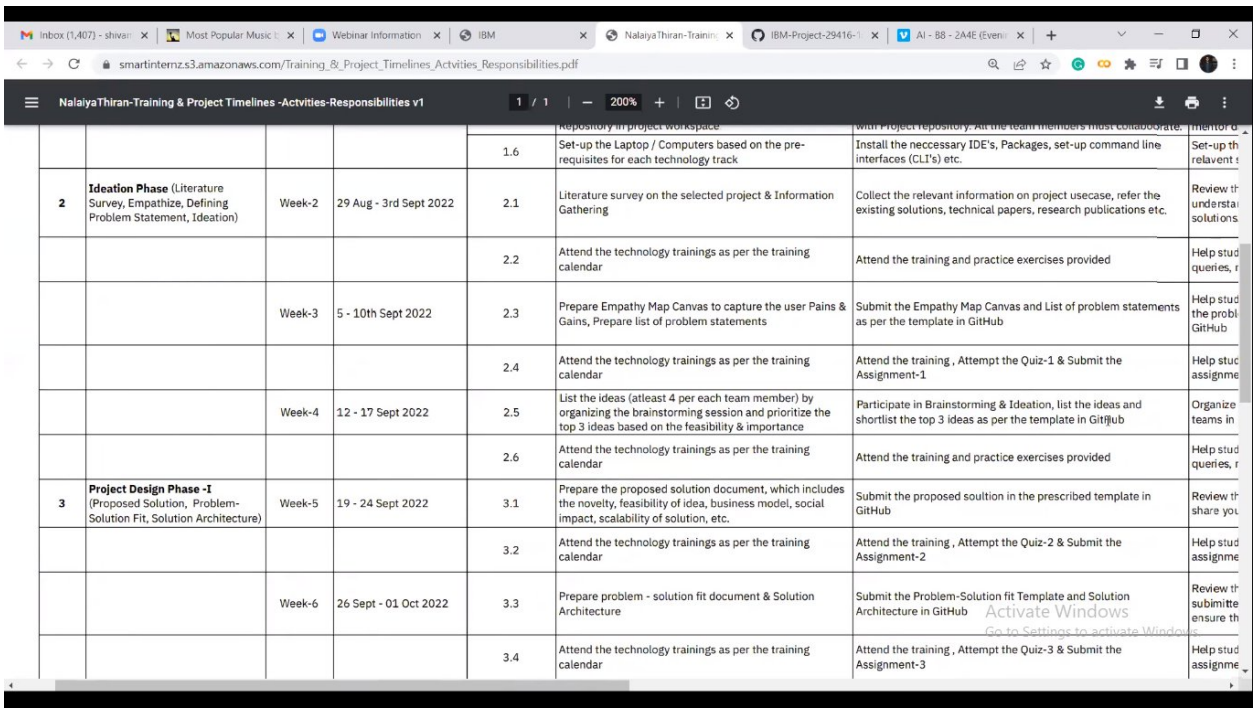
Ishwarya S – 111719104062

Lavanya S – 111719104084

Manasa G C – 111719104090

On september 15th we had sessions on Platform Instruction & brainstorming session.Our team got an idea and decide to participate in brainstorming & Ideation.





NalaiyaThiran-Training & Project Timelines -Actvities-Responsibilities v1

				1.6	Set-up the Laptop / Computers based on the pre-requisites for each technology track	Install the neccessary IDE's, Packages, set-up command line interfaces (CLI's) etc.	Set-up th relavent s
2	**Ideation Phase** (Literature Survey, Empathize, Defining Problem Statement, Ideation)	Week-2	29 Aug - 3rd Sept 2022	2.1	Literature survey on the selected project & Information Gathering	Collect the relevant information on project usecase, refer the existing solutions, technical papers, research publications etc.	Review th understa solutions
				2.2	Attend the technology trainings as per the training calendar	Attend the training and practice exercises provided	Help stud queries, r
		Week-3	5 - 10th Sept 2022	2.3	Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare list of problem statements	Submit the Empathy Map Canvas and List of problem statements as per the template in GitHub	Help stud the probl GitHub
				2.4	Attend the technology trainings as per the training calendar	Attend the training , Attempt the Quiz-1 & Submit the Assignment-1	Help stud assignme
		Week-4	12 - 17 Sept 2022	2.5	List the ideas (atleast 4 per each team member) by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance	Participate in Brainstorming & Ideation, list the ideas and shortlist the top 3 ideas as per the template in GitHub	Organize teams in
				2.6	Attend the technology trainings as per the training calendar	Attend the training and practice exercises provided	Help stud queries, r
3	**Project Design Phase -I** (Proposed Solution, Problem-Solution Fit, Solution Architecture)	Week-5	19 - 24 Sept 2022	3.1	Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.	Submit the proposed soultion in the prescribed template in GitHub	Review th share you
				3.2	Attend the technology trainings as per the training calendar	Attend the training , Attempt the Quiz-2 & Submit the Assignment-2	Help stud assignme
		Week-6	26 Sept - 01 Oct 2022	3.3	Prepare problem - solution fit document & Solution Architecture	Submit the Problem-Solution fit Template and Solution Architecture in GitHub	Review th submitte ensure th
				3.4	Attend the technology trainings as per the training calendar	Attend the training , Attempt the Quiz-3 & Submit the Assignment-3	Help stud assignme

we got a clear idea about Artificial neural network. In Artificial neural network , we learned BNN vs ANN, neural network working processs,activation function and gradient descent.

AI-B4-4M6E(Morning Session)-Day-5

Artificial Neural Network

Artificial Neural network is a computing system inspired by analogy of biological neurons, which is used to process the information as a human brain does.

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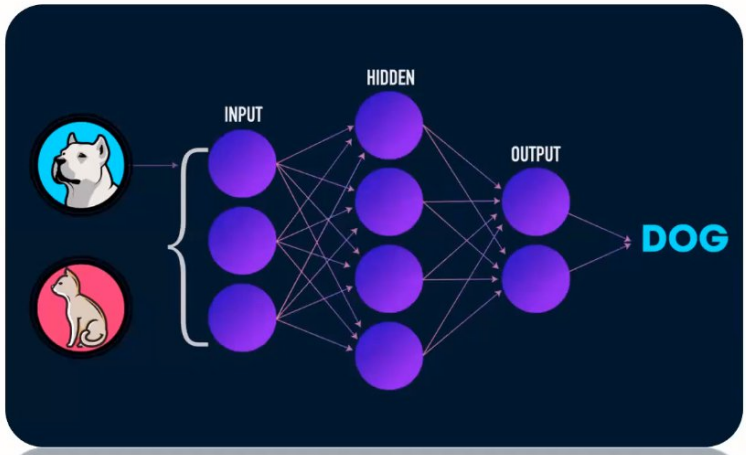
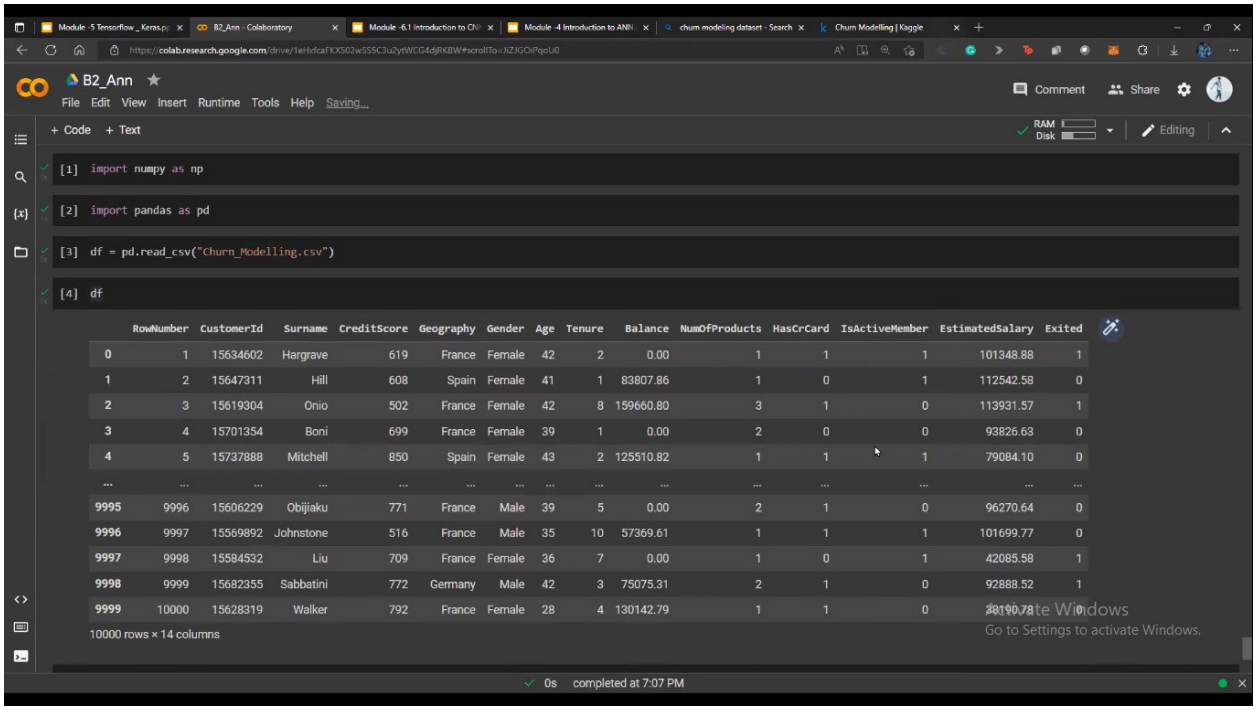


On September 17th we learned real time example of nural network using churn Modelling



B2_Ann

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RAM Disk Editing

```
[1] import numpy as np
[2] import pandas as pd
[3] df = pd.read_csv("Churn_Modelling.csv")
[4] df
```

	RowNumber	CustomerId	Surname	CreditScore	Geography	Gender	Age	Tenure	Balance	NumOfProducts	HasCrCard	IsActiveMember	EstimatedSalary	Exited
0	1	15634602	Hargrave	619	France	Female	42	2	0.00	1	1	1	101348.88	1
1	2	15647311	Hill	608	Spain	Female	41	1	83807.86	1	0	1	112542.58	0
2	3	15619304	Onio	502	France	Female	42	8	159660.80	3	1	0	113931.57	1
3	4	15701354	Boni	699	France	Female	39	1	0.00	2	0	0	93826.63	0
4	5	15737888	Mitchell	850	Spain	Female	43	2	125510.82	1	1	1	79084.10	0
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9995	9996	15606229	Obijiaku	771	France	Male	39	5	0.00	2	1	0	96270.64	0
9996	9997	15569892	Johnstone	516	France	Male	35	10	57369.61	1	1	1	101699.77	0
9997	9998	15584532	Liu	709	France	Female	36	7	0.00	1	0	1	42085.58	1
9998	9999	15682355	Sabbatini	772	Germany	Male	42	3	75075.31	2	1	0	92888.52	1
9999	10000	15628319	Walker	792	France	Female	28	4	130142.79	1	1	0	38190.78	0

10000 rows × 14 columns

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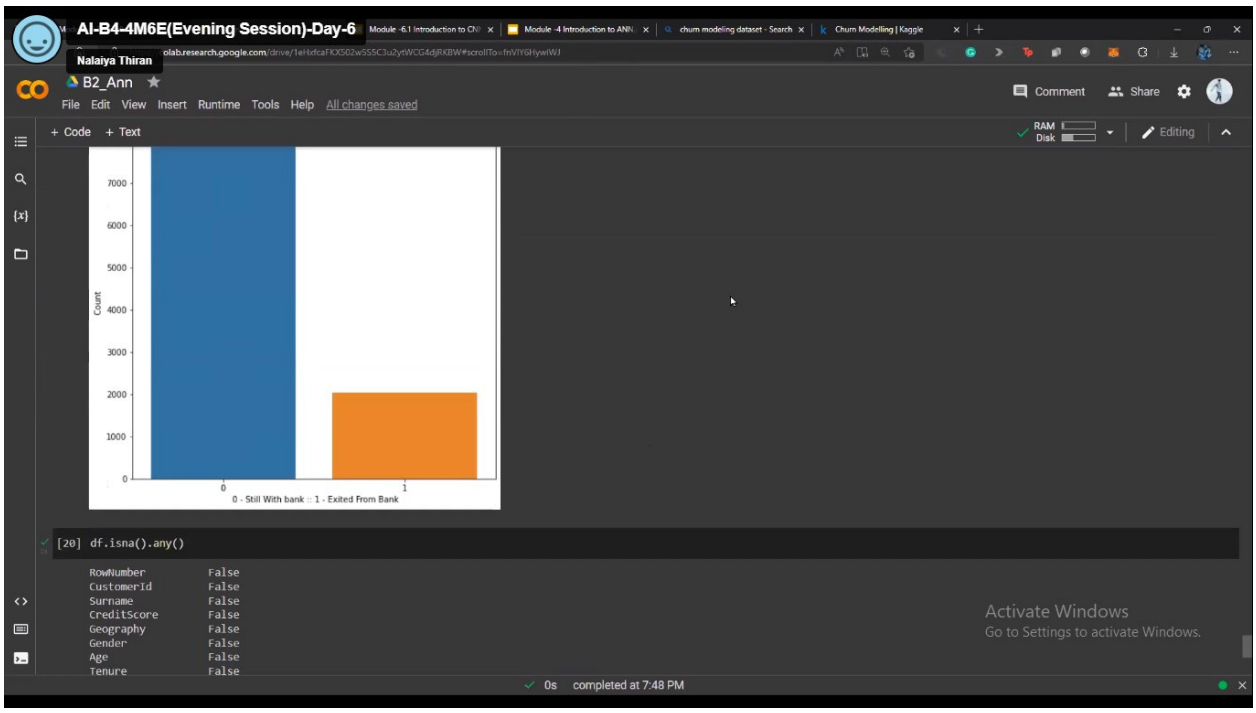
AI-B4-4M6E(Evening Session)-Day-6
Nalaiya Thiran
B2_Ann
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
+ Code + Text
RAM
Disk
Editing
Count
0 - Still With bank 1 - Exited From Bank
[20] df.isna().any()
RowNumber False
CustomerId False
Surname False
CreditScore False
Geography False
Gender False
Age False
Tenure False
Activate Windows
Go to Settings to activate Windows.
0s completed at 7:48 PM