<u>**Professional Readiness for Innovation, Employability and Entrepreneurship**</u>
<u>**Project Report for week 2**</u>

Project Title: **Fertilizers Recommendation System for Disease Prediction**

Mentor Name: Malathy EM

Team ID: PNT2022TMID53297

Team Size: 4

Team Leader: Santhosh M

Team member-1: Iswarya M

Team member-2: Sabarivasan E

Team member-3: Navaneethakrishnan S

Phase 2 Description: Ideation Phase (Literature Survey, Empathize, Defining Problem

Statement, Ideation)

2.1 Literature survey on the selected project & Information Gathering

Collected the relevant information on the project use-case, referred the existing solutions,

technical papers, research publications, etc.

 Paper 1 –Soil Fertilizer Recommendation System using Fuzzy Logic

Reference - **Doi:10.1109/TENCON50793.2020.9293780.**

Paper 2 – Farmer's Assistant: A Machine Learning Based Application for
Agricultural Solutions

 Reference -arXiv:2204.11340https://doi.org/10.48550/arXiv.2204.11340

Paper 3 –CNN based Leaf Disease Identification and Remedy Recommendation
System
 Reference -doi: 10.1109/ICECA.2019.8821872.
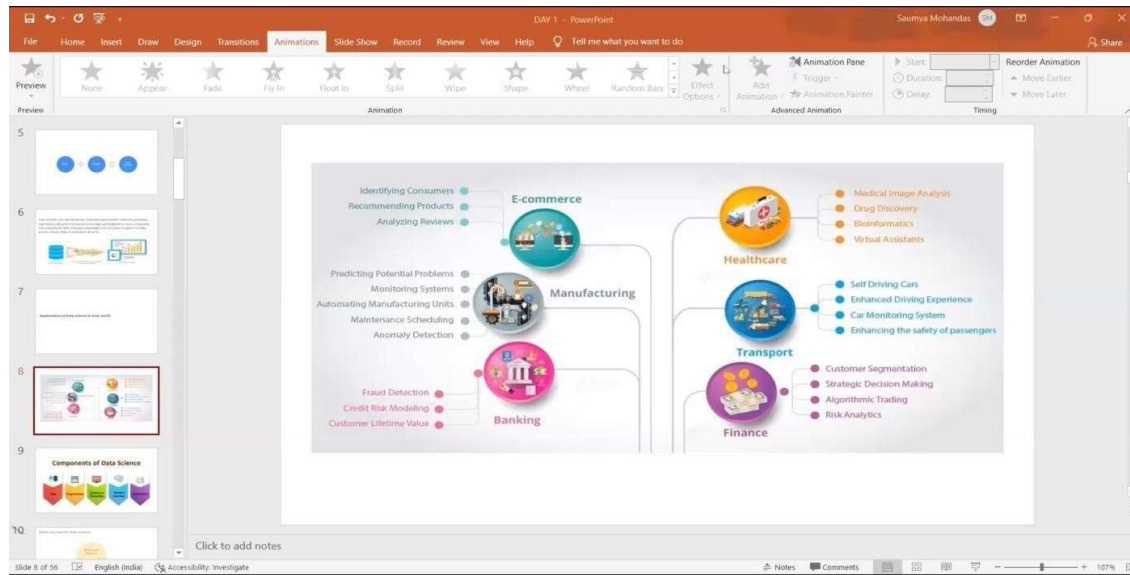
2.2 Attended the technology training as per the training calendar

B5-5M1E   Artificial Intelligence   Day 1   02-09-2022   9:00am - 12:00pm

B5-5M1E   Artificial Intelligence   Day 2   05-09-2022   6:00pm – 9:00pm

Important Methods Pandas Packages

Data Importing	Data Cleaning	Data Statistic
pd.read_csv()	pd.fillna()	pd.head()
pd.read_table()	pd.dropna()	pd.tail()
pd.read_excel()	pd.sort_values()	pd.describe()
pd.read_sql()	pd.apply()	pd.info()
pd.read_json()	pd.groupby()	pd.mean()
pd.read_html()	pd.append()	pd.median()
pd.DataFrame()	pd.join()	pd.count()
pd.concat()	pd.rename()	pd.std()
pd.series()	pd.to_csv()	pd.max()
pd.date_range()	pd.set_index()	pd.min()