

## Project Initialization and Planning Phase

Date	15 March 2024
Team ID	738305
Project Title	Machine Learning Approach For Employee Performance Prediction
Maximum Marks	3 Marks

### Project Proposal (Proposed Solution)

This project proposal gives the perfect understanding of the employees performance this will help to increase the productivity of the employees and know the efficiency of employees.

<b>Project Overview</b>	
Objective	<ul style="list-style-type: none"> <li>Know fundamental concepts and techniques used for machine learning.</li> <li>Gain a broad understanding about data.</li> <li>Have knowledge on pre-processing the data/transformation techniques and some visualization concepts.</li> </ul>
Scope	We can able to get the real-world hands-on experience on ML project.
<b>Problem Statement</b>	
Description	The project aims to develop a predictive model that accurately forecasts employee performance levels within an organization.
Impact	It will impact the company's productivity in a positive way.
<b>Proposed Solution</b>	
Approach	We use basic ML approach to complete the project
Key Features	Predicting employees performance using prior work.

## Resource Requirements

Resource Type	Description	Specification/Allocation
<b>Hardware</b>		
Computing Resources	CPU/GPU specifications, number of cores	2-intel i5 laptops
Memory	RAM specifications	16 GB
Storage	Disk space for data, models, and logs	1 TB SSD
<b>Software</b>		
Frameworks	Python frameworks	Flask
Libraries	Additional libraries	scikit-learn, pandas, NumPy
Development Environment	IDE, version control	Google colab, Git
<b>Data</b>		
Data	Source, size, format	Kaggle dataset, 16 kb, csv format