

FINAL PROJECT

Proposal Submission Guidelines



Data Dynamos
For HR Data Analysis

Final Project– Proposal Submission Guidelines

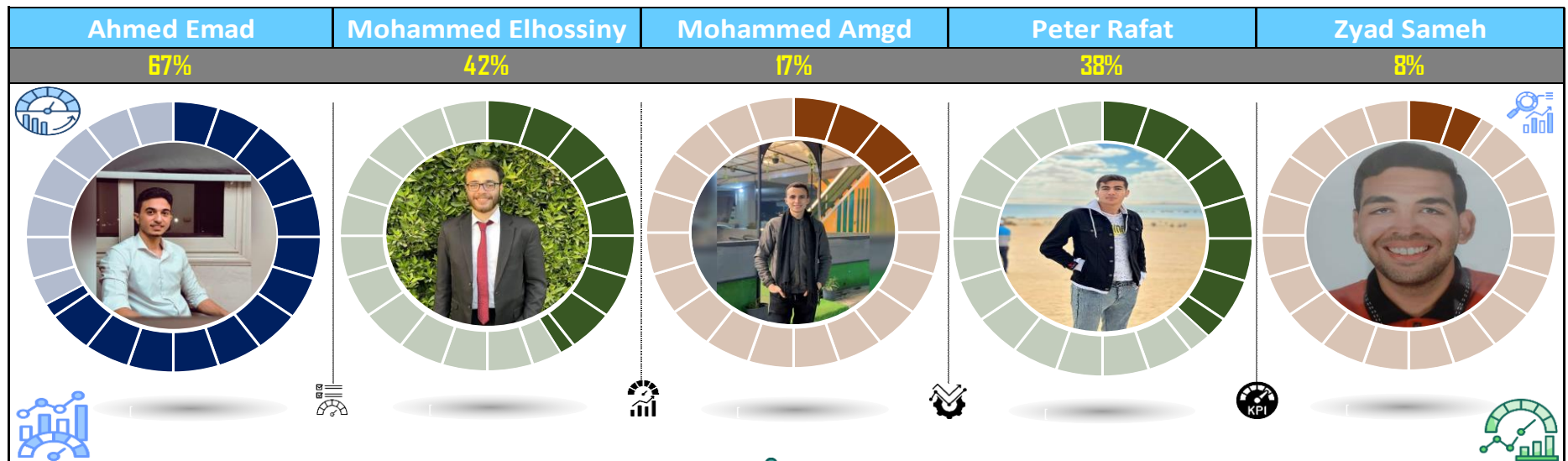
As part of your current project, you are required to submit a proposal that includes the following:

❖ Project Description: Provide a clear and concise explanation of the project.

<u>Employee Data</u>	A comprehensive list of employees, including demographic details such as age, gender, marital status, and job roles.
<u>Performance Rating Data</u>	Tracks individual performance metrics, capturing data from employee reviews and assessments over time.
<u>Education Level Data</u>	Provides insights into the education backgrounds of employees, highlighting their qualifications and the correlation with job performance and salary.
<u>Rating Level Data</u>	Details performance ratings for employees, evaluating their overall contributions and effectiveness in their roles.
<u>Satisfied Level Data</u>	This contains information on employee satisfaction ratings, categorized by various factors such as job satisfaction and work-life balance.

❖ Group Members & Roles: List all team members along with their assigned roles.

Data Dynamos Team	
1	Ahmed Emad Habib
2	Mohammed Elhossiny Abrabo
3	Peter Rafat Adel
4	Mohammed Amgd Marzouk
5	Zyad Sameh Mohamed



PARTICIPATION PERCENTAGE

OUR TASKS

Participation Percentage

TEAM LEADER

1- Ahmed Emad

2- Mohammed Elhossiny

3- Mohammed Amgd

4- Peter Rafat

5- Ziad Sameh

Team Logo	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Linkedin	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Technical & Financial Proposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data Collection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Data Wrangling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data Cleaning & Processing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data Exploration & Transformation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data Modeling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data Analysis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Data Forecasting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GitHub	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Application	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Website	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data Mining	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data Visualization (Power Bi)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Data Visualization (Tableau)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Market Research	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Data Driven Decision Making	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AI Model (Python)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reporting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Final Documentation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Presentation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Video	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data Storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

24



67%

42%

17%

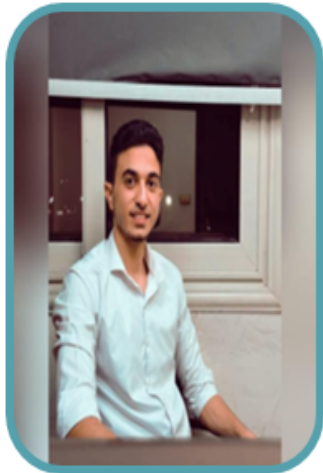
38%

8%

Task

❖ Team Leader: Specify the name of the team leader. (Ahmed Emad Habib Mohamed)

Team Membership ID Card



Name: Ahmed Emad Habib Mohamed

Phone number: 01112132534 / 01070833296

College: Faculty of Commerce (Accounting major) in Cairo university

Job: Data Analyst Specialist | General Accountant (GL) | Junior External Auditor | Financial Analyst | Financial Reporting Specialist | ERP Accountant | FR | Financial Advisor | Business & Statistical Analyst | Visualizations Expert | Data driven Specialist | Stock Market Investor | Bi Expert



Data Dynamos Team



DEPI

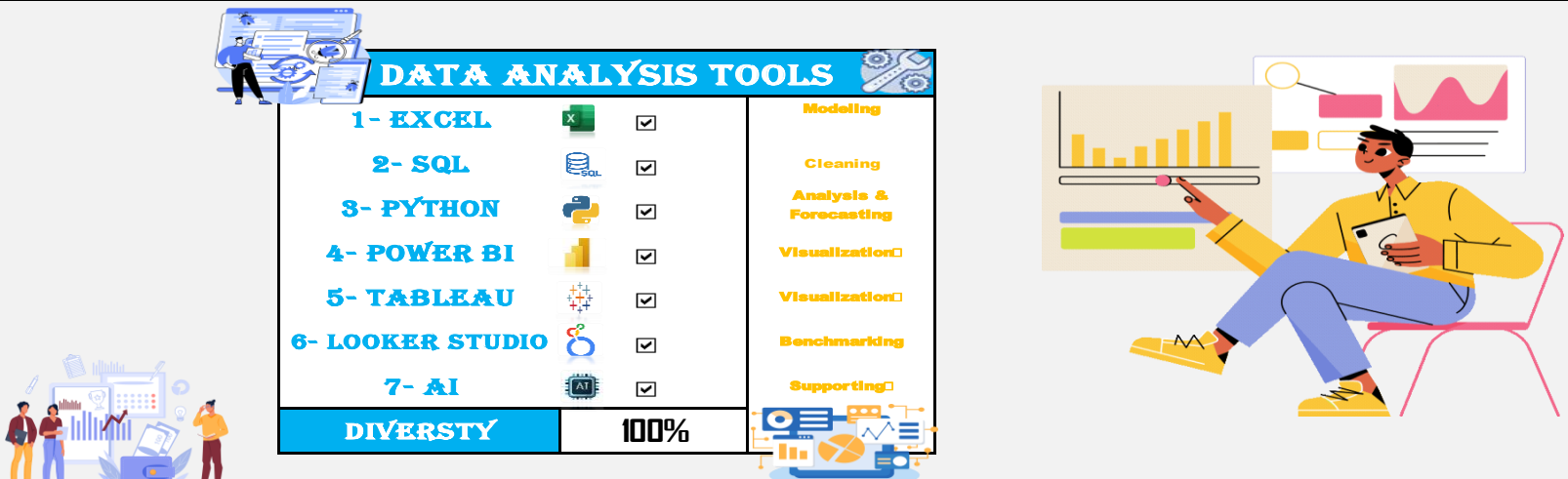
TEAM
LEADER










❖ Objectives: Outline the main goals of the project.

- We will delve into a comprehensive analysis of our employee dataset, which comprises five key tables. Each table provides critical insights into various aspects of employee performance, satisfaction, and demographics. By examining these tables, we aim to uncover meaningful patterns and relationships that can inform strategic decisions within our organization.
- In addition to collecting additional data for comparison and taking several strategic decisions and working on preparing interactive reports, analyses and forecasts that help in making decisions and preparing this in a visual form to make it easier for decision makers to compare and create an artificial intelligence model equipped to answer any question that helps in making a decision.
- In addition to preparing a special report for each department to help it develop plans appropriate to the actual situation.

❖ Tools & Technologies: Mention the tools and technologies that will be used.



DATA ANALYSIS TOOLS		
1- EXCEL		<input checked="" type="checkbox"/>
2- SQL		<input checked="" type="checkbox"/>
3- PYTHON		<input checked="" type="checkbox"/>
4- POWER BI		<input checked="" type="checkbox"/>
5- TABLEAU		<input checked="" type="checkbox"/>
6- LOOKER STUDIO		<input checked="" type="checkbox"/>
7- AI		<input checked="" type="checkbox"/>
DIVERSITY		100%

Modeling

Cleaning

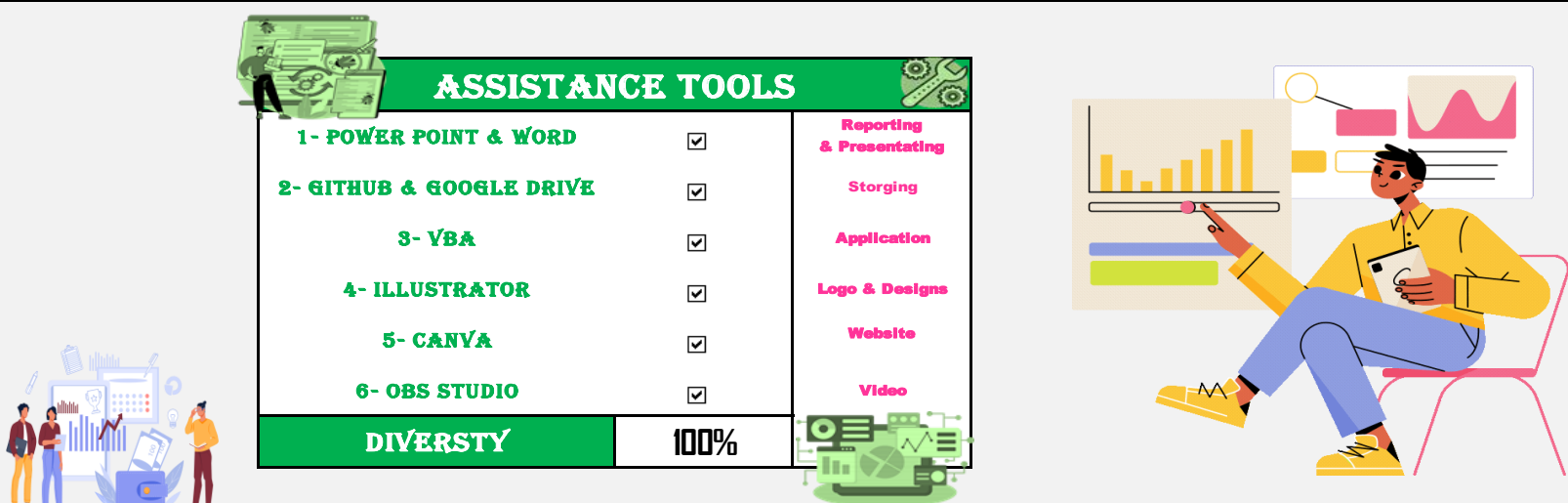
Analysis & Forecasting

Visualization ☐

Visualization ☐

Benchmarking

Supporting ☐



ASSISTANCE TOOLS		
1- POWER POINT & WORD	<input checked="" type="checkbox"/>	
2- GITHUB & GOOGLE DRIVE	<input checked="" type="checkbox"/>	
3- VBA	<input checked="" type="checkbox"/>	
4- ILLUSTRATOR	<input checked="" type="checkbox"/>	
5- CANVA	<input checked="" type="checkbox"/>	
6- OBS STUDIO	<input checked="" type="checkbox"/>	
DIVERSITY		100%

Reporting & Presentating

Storging


Application

Logo & Designs

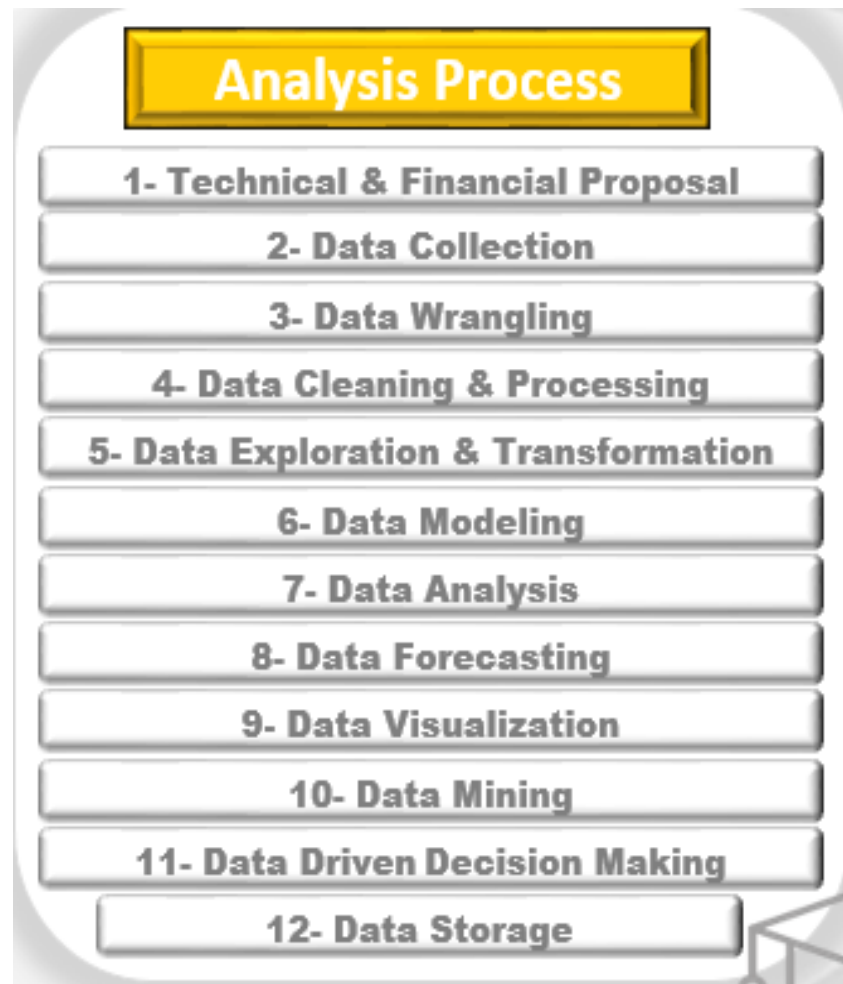
Website

Video

❖ Milestones & Deadlines: Define key project milestones with their respective deadlines



WE ARE READY TO HAVE
THE ENTIRE PROJECT
COMPLETED AND
DISCUSSED IN **WEEK 22** OF
THE SCHOLARSHIP,
CORRESPONDING TO APRIL
25/04/2025.



- **KPIs (Key Performance Indicators):** Each team should customize the following KPIs based on their project requirements:

Data Cleaning & Processing:

- Ensure data is clean, structured, and well-documented.
- Complete data processing efficiently within the project timeline.

Analysis & Insights:

- Identify key analytical questions relevant to business needs.
- Provide clear, data-driven insights with effective visualizations.

Forecasting & Predictions:

- Use reliable models to generate accurate predictions.
- Compare multiple forecasting approaches for better accuracy.

Visualization & Reporting:

- Develop an interactive and user-friendly dashboard.
- Ensure fast and smooth dashboard performance.

Final Documentation & Presentation:

- Deliver a well-structured final report covering key findings.
- Provide actionable recommendations based on the analysis.

Data Dynamos

