**🌟 Project Plan**

**Project Title:** Python   
**Project Type:** Individual  
**Project Tool:** Python  
**Dataset Used:** Student and Event Participation Dataset (Excel format)  
**Intern’s Name:** *Vedashree Nimje*

**🔹 1. Objective**

To analyze participant data from various events using Python and derive meaningful insights by answering specific questions related to attendance, CGPA, technical skills, and preferences.

**🔹 2. Scope of the Project**

* Import and explore the dataset using Python.
* Answer predefined analytical questions using data analysis and visualization techniques.
* Present conclusions through charts, graphs, and code outputs.
* Enhance Python skills in real-world data handling.

**🔹 3. Tools & Technologies**

* **Programming Language:** Python
* **Libraries:** pandas, numpy, matplotlib, seaborn
* **Platform:** Google Colab
* **Dataset Format:** Excel (.xlsx)

**🔹 4. Deliverables**

* Completed Jupyter Notebook (.ipynb) with all solutions
* Cleaned and well-commented code
* Final project documentation:
  + Project Plan
  + RAID Logs
  + SRS Document
  + Project Report

**🔹 5. Timeline**

| **Week** | **Tasks** |
| --- | --- |
| Week 1 | Understand dataset, clean data, plan questions |
| Week 2 | Start solving questions using Python |
| Week 3 | Visualize data, validate outputs |
| Week 4 | Finalize code, generate documents (RAID, SRS, Report) |

**🔹 6. Success Criteria**

* All required questions are solved accurately
* Code is clean, modular, and reproducible
* Insights are meaningful and easy to interpret
* Documentation is professional and complete