**ICT INTERNSHIP PROJECT PLAN**

### **Title: Building a Predictive Model for Job Placement and Skill Analysis**

### **Overview**

### This project aims to predict the likelihood of a candidate's successful placement based on various attributes such as qualifications, age, skills, and demographic data. The model will help identify key factors influencing job placement and assist in making data-driven decisions for talent acquisition and organizational development.

### **GOALS**

* Analyze candidate profile data to identify patterns and trends that impact job placement.
* Provide actionable insights that can help improve recruitment strategies and talent acquisition.
* Use various data visualization and analytics tools to present findings in a clear and actionable manner.

### **SPECIFICATIONS**

* **Dataset**: The dataset includes Candidate Name,Gender, Age,Qualification,City, District,Skills,Placement Status,Robotic Interview
* **Tools**: Participants can choose any of the following tools:
  + **Python**: Use libraries like Pandas, NumPy, Scikit-learn, and Matplotlib for data cleaning, analysis, and predictive modeling.
  + **Tableau**: Build interactive dashboards to visualize trends in student performance and highlight key factors influencing outcomes.
  + **Power BI**: Create data-driven reports to demonstrate predictive models and key performance indicators.

### 

### 

### **MILESTONES**

1. **Project Setup**
   * Provide the dataset to the participants.
   * Define key questions and goals for predictive analysis (e.g., predicting placement success, identifying key skills).
2. **Data Cleaning & Preprocessing**
   * Participants will clean and preprocess the data to handle missing values, outliers, and other issues.
   * Ensure the dataset is in a usable format for analysis.
3. **Exploratory Data Analysis (EDA)**
   * Perform an initial exploration of the dataset to identify trends and patterns.
   * Visualize relationships between attendance, quiz marks, assignment scores, and final results.
4. **Predictive Modeling**
   * Build and train predictive models using Python, Tableau, or Power BI.
   * Evaluate the accuracy and reliability of these models using metrics like precision, recall, and accuracy scores.
5. **Insights & Recommendations**
   * Interpret the results of the predictive models.
   * Provide recommendations to improve recruitment strategies.
   * Highlight key factors that impact job placement and suggest areas where interventions may be required.
6. **Final Report & Presentation**
   * Compile findings and present them through reports, dashboards, or visualizations.
   * Share predictive models and visual insights with the project stakeholders.