

Project Charter

A. General Information

Project Title:	Employability Analytics Project - FutureWorks		
Brief Project Description:	<p>This project aims to develop an interactive analytics dashboard that empowers job seekers, particularly early-career and mid-level software professionals to navigate the job market more confidently.</p> <p>By leveraging a cleaned dataset of U.S.-based job postings, the dashboard offers data-driven insights into job demand, salary benchmarks, remote work trends, and employer credibility.</p> <p>Our focus is on simplifying the decision-making process by visualizing key metrics and offering user-controlled filters for personalized exploration.</p>		
Prepared By:	Team 10 <ol style="list-style-type: none">1. Deepthi Boddu2. Lakshmi Sruthi Bodipudi3. Meghana Kakkireni4. Narendra Reddy Kallem5. Ramsailesh Reddy Kakarla6. Seetha Rama Karthikeya Vempati		
Date:	January, 2025	Version:	1

B. Project Objective:

Explain the specific objectives of the project. For example: What value does this project add to the organization? How does this project align with the strategic priorities of the organization? What results are expected? What are the deliverables? What benefits will be realized? What problems will be resolved?

Purpose: To support job seekers in identifying in-demand roles, comparing salaries, and evaluating employer reputation through a centralized, visual decision-support tool.

Deliverables: A Power BI dashboard with six interactive pages: Executive Overview, Job Demand Analysis, Salary Insights, Employer Reputation, Forecast & Trends, and Career Path Insights.

Benefits:

- Empowers users with actionable data
- Reduces time spent browsing multiple job portals
- Enhances transparency in salary expectations and company reviews
- Encourages informed and confident career choices

C. Assumptions

List and describe the assumptions made in the decision to charter this project. Please note that all assumptions must be validated to ensure that the project stays on schedule and on budget.

- The application will receive regular data updates from job portals and industry sources.
- Users will find value in the predictive analytics and use the application regularly.
- Data privacy and security requirements will be met without major issues.
- Development resources (developers, data analysts) will be available throughout the project.
- The application will be compatible with commonly used devices (laptops, tablets, smartphones).
- The project team will have access to the necessary technology and software tools.

Project Charter

D. Project Scope

Describe the scope of the project. The project scope establishes the boundaries of the project. It identifies the limits of the project and defines the deliverables.

- Use of a single consolidated dataset containing job title, salary, location, remote model, company rating, and review data
- Development of a Power BI dashboard with dynamic filters (title, location, work model, salary range)
- Visualizations include maps, bar charts, pie charts, KPI cards, and line charts
- User-driven exploration focused on solving two key problems: role-location fit and employer evaluation

List any requirements that are specifically excluded from the scope.

- Integration with live job portals or APIs
- Resume matching or personalized job recommendations
- Machine learning-based forecasting
- Career coaching or job application services

E. Project Milestones

List the major milestones and deliverables of the project.

Milestones	Deliverables	Date
Problem Definition	Document outlining project objectives, scope, and challenges	Week 2
Data Collection	Consolidated datasets from job portals and industry reports	Week 4
Data Validation and Structuring	Cleaned and validated dataset; created new computed fields	Week 6
Dashboard Development	Interactive dashboards with career insights	Week 8
Application Development	Functional application with search, filter, and analytics	Week 10
Testing and Refinement	Bug fixes, performance tuning, and user feedback	Week 12
Final Presentation	Complete project report and application demo	Week 15

F. Impact Statement

List the impact this project may have on existing systems or units.

Potential Impact	Systems / Units Impacted
Better alignment of skills with market demand	Job seekers, training institutes
Increased accessibility to job market insights	Individuals and career advisors
Enhanced efficiency in identifying trends	Career planning units and HR professionals
Reduced reliance on manual career guidance	Career counseling centers
Faster adaptation to evolving job market needs	Job portals and recruitment agencies
Improved career decision-making processes	Workforce development programs
Improved job placement outcomes	Educational institutions and job seekers

Project Charter

G. Roles and Responsibilities

Describe the roles and responsibilities of project team members followed by the names and contact information for those filling the roles. The table below gives some generic descriptions. Modify, overwrite, and add to these examples to accurately describe the roles and responsibilities for this project.

Sponsor: Provides overall direction on the project. Responsibilities include approve the project charter and plan; secure resources for the project; confirm the project's goals and objectives; keep abreast of major project activities; make decisions on escalated issues; and assist in the resolution of roadblocks.	
Name	Email / Phone
Deepthi Boddu	
Project Manager: Leads in the planning and development of the project; manages the project to scope. Responsibilities include develop the project plan; identify project deliverables; identify risks and develop risk management plan; direct the project resources (team members); scope control and change management; oversee quality assurance of the project management process; maintain all documentation including the project plan; report and forecast project status; resolve conflicts within the project or between cross-functional teams; ensure that the project's product meets the business objectives; and communicate project status to stakeholders.	
Name	Email / Phone
Lakshmi Sruthi Bodipudi	
Team Member: Works toward the deliverables of the project. Responsibilities include understand the work to be completed; complete research, data gathering, analysis, and documentation as outlined in the project plan; inform the project manager of issues, scope changes, and risk and quality concerns; proactively communicate status; and manage expectations.	
Name	Email / Phone
Meghana Kakkireni	
Seetha Rama Karthikeya Vempati	
Customer: The person or department requesting the deliverable. Responsibilities include partner with the sponsor or project manager to create the Project Charter; partner with the project manager to manage the project including the timeline, work plan, testing, resources, training, and documentation of procedures; work with the project team to identify the technical approach to be used and the deliverables to be furnished at the completion of the project; provide a clear definition of the business objective; sign-off on project deliverables; take ownership of the developed process and software.	
Name	Email / Phone
Narendra Reddy Kallem	
Subject Matter Expert: Provides expertise on a specific subject. Responsibilities include maintain up-to-date experience and knowledge on the subject matter; and provide advice on what is critical to the performance of a project task and what is nice-to-know.	
Name	Email / Phone
Ramsailesh Reddy Kakarla	

Project Charter

H. Resources

Identify the initial funding, personnel, and other resources committed to this project by the project sponsor.

Resource	Constraints
Initial Funding	Limited to \$50,000 for development, testing, and deployment.
Personnel	Team of six members with roles in data analysis, development, and testing.
Technology	Use of existing cloud-based platforms and open-source tools.
Software Tools	Restricted to budget-friendly or free analytics and visualization tools.
Time	Just 15-week timeline to complete all milestones and deliverables.

I. Project Risks

Identify the high-level project risks and the strategies to mitigate them.

Risk	Mitigation Strategy
Limited Stakeholder Engagement	Schedule regular check-ins with stakeholders for feedback and alignment.
Integration Issues with Existing Tools	Conduct compatibility tests early in the project lifecycle.
Data Security Concerns	Ensure compliance with data privacy regulations and implement encryption.
Overwhelming Feature Requests	Define a clear scope and prioritize features based on user needs.
Insufficient Testing Time	Allocate buffer time for thorough testing in the project timeline.
Resource Availability Constraints	Crosstrain team members to ensure tasks can proceed without delays.
Unclear User Requirements	Conduct user interviews and surveys to gather precise requirements.

J. Success Measurements

Identify metric and target you are trying to achieve as a result of this project. For example, overall cost savings of \$50K or reduce processing time by 25 percent.

- Achieve 90% user adoption within three months.
- Ensure 95% accuracy in job market predictions.
- Reduce decision-making time by 25%.
- Maintain 99% platform uptime.
- Achieve 90% user satisfaction in feedback surveys.

Project Charter

K. Signatures

The signatures of the people below document approval of the formal Project Charter. The project manager is empowered by this charter to proceed with the project as outlined in the charter.

Customer:		
Name	Signature	Date
Narendra Reddy Kallem	Narendra Reddy Kallem	Jan 28, 2025
Project Sponsors:		
Name	Signature	Date
Deepthi Boddu	Deepthi Boddu	Jan 28, 2025
Project Manager:		
Name	Signature	Date
Lakshmi Sruthi Bodipudi	Lakshmi Sruthi Bodipudi	Jan 28, 2025