

Project Design Phase-I
Solution Architecture

Date	23 October 2023
Team ID	TEAM-591264
Project Name	Project-A comprehensive analysis of the IT sector salaries and roles
Maximum Marks	4 Marks

Solution Architecture:

To tackle the issue of the growing trends in IT Sector salaries and roles ,we propose developing a sophisticated dashboard and reports with data analysis , predictive modeling and other interactive visualizations. This solution seeks to empower the IT professionals and starters with a powerful tool for their job assessment and personalized time management and gives them insights of the industry trends. Such a system could not only improve the chances of good job opportunities but also enhance the effectiveness of job seeking and their current role upgrading , thereby addressing the trends of the IT Sector.

Our solution leverages a website with the dashboards and reports of the ITSector which includes:

- Data Collection
- Uploading the data set to IBM Cognos
- Data Preprocessing
 - a. Data Cleaning
 - b. Data transformation
 - c. data reduction.
- Creating effective visualisations , dashboards and reports
- Coding with flask
- Connect with the website
- Display of the dashboards and reports

SOLUTION ARCHITECTURE DIAGRAM:

