Class XII

Computer Science Project Synopsis

1.	Student Name Class & Section	Aryan Patil, Class 12A
2.	Team Members	Rithwik Anand, Class 12A Priyansh Mishra, Class 12A
3.	Project Title	Cubex Employee Management
4.	Objective of the Project	To create a powerful and convenient solution for employee recruitment and management.
5.	Client / End user	Employers, recruiting agencies.
6.	Main features of the Project	- Employee recruitment service - Uses the Naive Bayes Classification system to check if the applicant is a suitable employee for the company - Employee management solution - Allows the employer to add/remove employees from their database, check the list of employees, check when their wages are to be paid and their contact details, which will be powered by SQL and connected to the main Python app.
7.	Hardware Requirement	A computer with at least : 1. A dual core processor 2. 1GB of video memory 3. 4GB of ram 4. 10GB of available disk space
8.	Software Requirement	The latest version of Python and Python-SQL connectivity
9.	Libraries to be used	numpy, scikit-learn, mysql.connector

10.	Input Required	A .csv dataset for training the Naive-Bayes model, answers to the questions the program asks and input to manipulate the database
11.	Processing	Training the Naive-Bayes Classification system on the basis of the provided .csv dataset, searching the database for the specified value
12.	Output Expected	The prediction of the Naive-Bayes Classification system and the value requested by the user
13.	Concepts Covered	Python revision I and II, working with functions, using Python libraries, File handling, SQL, Interface Python with MySQL