**CSE 310 Project Report**

**1. Project Title:**

# Job Garage Bangladesh

**2. Project Member:**

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**3. Project Github Repository Link:**

<https://github.com/Arnab1899/Freelancing-Website.git>

**4. Objective:**

The main objective of the project is to change the manual way of operation of the job application to the automatic system. Also, this system will be a breakthrough for the freelancing job market in Bangladesh.

**5. Motivation:**

Sometimes in our life we need jobs for money or experience. We want to do jobs in more than one company to gather experience or money . On the other hand companies need people for their minor works. So we need a connection between job seekers and job givers. For solving this problem, our website will be very helpful.

**6. Critical Challenges:**

In our project we have to justify if users are posting authentic jobs or not.There are many kinds of jobs which are hard to find in a short time . So it is difficult to organize the jobs according to their category .

**7. Conflicting requirement:**

To avoid the fake jobs there are some authentic processes which a job giver has to maintain . If a job giver fails to go through the processes , even if the job is authentic he/she can’t submit jobs.

**8. YouTube link of project demonstration:**

<https://youtu.be/5HoDldQaFlo>

**9. How Ks are addressed through the project:**

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| Ks | Attribute | How Ks are addressed through the project |
| K1 | **Science:** theory-based understanding of the natural science applicable to the discipline | To build a smooth and bug free freelancing job seeking platform, where people can find their desired work or anyone can find a suitable employee for his work. Also, we have to ensure that there will be no payment issue and every job post is reliable. |
| K3 | **Eng. fundamentals:** A systematic, theory-based formulation of engineering fundamentals required in the engineering discipline | First we have to ensure that people will find a suitable job from this platform, then we have to ensure that when a job has been posted by a gob giver. Any Job seeker who is searching a work with the same interest sector can find The post early. And When a job is booked by a job seeker, that post should be hidden immediately . |
| K5 | **Design:** Knowledge that supports engineering design in a practical area | To implement the project, we had to design a database and UML Diagrams. We had to design the relations between the entities so that our database could work properly. |

**10. How Ps are addressed through the project and mapping among Ps, COs, and POs:**

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| Ps | Attribute | How Ps are addressed through the project |
| P1 | **Depth of Knowledge Required:** Cannot be resolved without in-depth engineering knowledge at the level of one or more of K3, K4, K5, K6 or K8 which allows a fundamentals-based, first principal analytical approach | The project requires rigorous study of all the existing Job Platform (K8), Surveys about Jobs, Job Provider ,Job Seeker(K3, K4), System Analysis, Back-end ,Front-end and Database design(K5, K6). |
| P3 | **Depth of Analysis Required:** Have no obvious solution and require abstract thinking, originality in analysis to formulate suitable models | Depth of analysis of requirements about the all Job, Job Provider and Job Seeker needed to ensure user satisfaction. |
| P6 | **Extend to stakeholders:** Involve diverse groups of stakeholders with widely varying needs | Diverse groups of stakeholders such as job providers, job seekers are involved in this website.Job providers need to provide different job circular for who is seeking for a work. Monitoring authorities need to have access to monitor if any unfair means of conduct and take necessary actions. |
| P7 | **Interdependence:** Are high-level problems including many components parts or sub-problems | Our project involves interdependent components such as feasibility analysis,requirement analysis, designing both back-end and front-end, database design ,etc. |

**11. How As are addressed through the project:**

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| As | Attribute | How As are addressed through the project |
| A3 | Innovation: Involve creative use of engineering principles and research-based knowledge in novel ways | The website needs to be updated with innovative and creative ideas to meet the feedback from every type of user. |