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| **Bangabandhu Sheikh Mujibur Rahman Science and Technology University**  **Department of Computer Science and Engineering** | |
| **Research Project Proposal** | |
| **Research Title:** [Exploring career path changing among CSE undergraduate student from Bangladesh.](https://ieeexplore.ieee.org/abstract/document/9225500/) | |
| **Type:** Quantitative Research | |
| **Student Information:**   |  |  | | --- | --- | | Name | Israt Jahan Reshma | | Id No. | 18CSE241 | | Session | 2018-19 | | **Supervisor Information:**   |  |  | | --- | --- | | Name | **Dr. Saleh Ahmed** | | Designation | **Associate Professor** | | E-mail | sumon.edu@gmail.com | |
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| **Abstract/Summary:**  This research explores why Computer Science and Engineering (CSE) students in Bangladesh change their career paths. By surveying students from different universities, we aim to understand their motivations for these transitions. We aim to use both surveys and interviews to understand the reasons behind their decisions. | |
| **Introduction:**  Many students enrolled in the Computer Science and Engineering (CSE) department in Bangladesh change their career paths after starting their studies. This raises questions about why this happens and what it means for students and the industry. This study seeks to understand why CSE students switch careers, considering factors like their academic experiences, personal goals, and industry changes, government jobs like job security, benefits in Bangladesh.  Our goal is to understand the difficulties students face and offer helpful advice to overcome them. | |
| **Related Literature Review:**  The literature review will look into previous studies on drop out of CSE students. It will focus on factors to change their career paths after starting their studies such as academic experiences, job market trends, personal interests, and societal pressures. Additionally, it will discuss the challenges CSE students encounter and how career shifts impact both individuals and the industry. | |
| **Research Methodology:**  The research will use a mixed-methods approach. Surveys will gather quantitative data from CSE students in Bangladesh, focusing on their career goals and reasons for studying CSE. Interviews will provide qualitative insights into their experiences and motivations. Ethical guidelines will be followed throughout data collection and analysis.  It also gathers the information of all university CSE student goal switching rate of 1st year to 4th year. | |
| **Expected Results:**  The research will identify why CSE students in Bangladesh change their career goals, such as due to mismatched expectations, unfulfilled academic experiences, or shifts in industry demands, and Govt Job.  Additionally, the research plans to offer recommendations to support students in making informed career decisions and improving their professional growth. | |
| **Significance and Implications of the Study:**  This study is important as it addresses a common yet unexplored issue in Bangladesh's CSE education. By understanding why CSE students change careers, it can help institute, policymakers, and industries better support students. The findings could improve CSE education and career satisfaction for students. | |
| **Timeline/ Expected Schedule:**   |  |  | | --- | --- | | Activity Information | Time (Month) | | Activity-1: Proposal submission | Month-1 | | Activity-2: Data Collection | Month-2 | | Activity-3: Analize data | Month-3 | | Activity-4: Report writing | Month-4 | | Activity-5: Report writing | Month-4 | | |
| **References:**  Barr, M. and Kallia, M. (2022) Why students drop computing science: using models of motivation to understand student attrition and retention. In: Koli Calling '22: 22nd Koli Calling International Conference on Computing Education Research (Koli 22), Koli, Finland, 17-20 November 2022, p. 17. ISBN 9781450396165 | |