

**North South University**

**Department of Electrical & Computer Engineering**

**Project Proposal**

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| **Project Title** | চা খাবেন? |

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| **Course Code:** | **CSE311L** |
| **Section:** | **05** |
| **Course Name:** | **Database Management System** |
| **Group No. & Group Name:** | **12 (The procrastinators)** |

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| **Group Members Information** | | |
| **Serial** | **Name** | **ID** |
| **1.** | Aziza Zaman Sadia | 2231603642 |
| **2.** | Shakirin Hoque Himi | 2211573042 |

**KNOWLEDGE PROFILE DEFINITION OF “K”**

* **K5: How did you gain knowledge when you were doing the course?**  
  We learned by watching tutorials on PHP, CSS, HTML, and SQL. These tutorials helped us understand the topics and apply them in practical tasks.
* **K7: How is this course related to research?**  
  We had to go through documentation to learn SQL and PHP. Searching for solutions and understanding different methods helped us improve our learning process.

**COMPLEX ENGINEERING PROBLEM “P”**

* **P1: How in-depth knowledge is required to complete this course?**  
  To understand database structures, we first studied Entity-Relationship Diagrams. Then, we learned normalization techniques to simplify databases and make them more efficient.
* **P3: The problems that we solved for this course, were all the solutions unique for each of them?**  
  No, there were different ways to solve them. For example, instead of using PHP, we could have used other programming languages like Python.
* **P7: Did we have to convert the large problems into multiple smaller parts and solve them separately?**  
  Yes, we broke down complex tasks into smaller steps. In database design, we started with an Entity-Relationship Diagram, then mapped it to a relational schema, and finally applied Normalization to organize the data better.

**COMPLEX ENGINEERING ACTIVITIES “A”**

* **A5: Did you need help from any previous work to solve these problems?**  
  Yes, we looked at past projects and related work to build our system. Learning from previous examples helped us apply better methods and avoid mistakes.