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|  | **The Superior University Lahore, Pakistan** |
| **Department of Software Engineering** |
| **FYP Registration / Supervisor Consent Form** |
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| Semester: | 7th | Program: | BSCS |
| Supervisor: | Ms Amna Zeshan | Designation: |  |
| Co-Supervisor: | Ms Maria Iqbal | Designation: |  |
| Project Title: |  | | |
| Project ID: | FYP-Bcsm-F22-041 | | |

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| **PROJECT TEAM** | | | | |
| **#** | **Student ID \*** | **Student Name** | **Program** | **Signature** |
| 1 | Umair Ahmed | (Project Leader) | BSCS |  |
| 2 | M. Naveed Qamar | (Project Co-Leader) | BSCS |  |
| 3 | Awais Safdar | Member | BSCS |  |

*\* Please enter the student contact detail on the next page*

Project Supervisor’s Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Signature(Project Supervisor) Dated: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signature(Project Leader)

Project Coordinator’s Comments:\_\_\_\_\_\_\_­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Signature(Project Manager) Dated: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signature(HoD/Chairman)

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| **STUDENT CONTACT DETAILS** | | | | |
| **#** | **Student ID** | **Student Name** | **Contact No.** | **Email** |
| 1 | **BCSM-F19-190** | **Umair Ahmed** | 0307-1030755 | Bcsm-f19-190@superior.edu.pk |
| 2 | **BCSM-F19-479** | **M. Naveed Qamar** | 0320-4308809 | Bcsm-f19-479@superior.edu.pk |
| 3 | **BCSM-F19-179** | **Awais Safdar** | 0300-2933123 | Bcsm-f19-179@superior.edu.pk |

**Undertaking:**

We all understand and undertake that we all have passed all the following courses as a pre-requisite to enrol in FYP.

* Object Oriented Programming
* Web Application Development
* Introduction to Database Systems
* Software Engineering
* Object Oriented Software Engineering (Analysis & Design)

**Project Idea**

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| Project Title: |
| 1. **Introduction** |
| This specific product is for the educational institutes and all other institutes who value the security for the employees. This is a RFID technology based card security system enhanced with the face recognition. We are also adding an extra feature of payments so that within the institute the employees or the students can use the same card for the payments. |
| 1. **Problem Statement** |
| In current scenario student cards are either made of magnetic strip or of ordinary plastic cards. These cards have only limited space for data storage or in other words we say these cards do not store information rather they are just used as the means of identification. |
| 1. **Proposed Solution:** |
| For the security measures we are using the Walk-through gates embedded with RFID readers to check for the RFID cards.  Secondly, camera sensors are also implemented for the facial recognition.  The data is gathered from the database which then give access to the students.  Furthermore, customizations like adding café payments, library access, etc. can also be added to the smart card. |