**The Superior University, Lahore.**

Department of Computer Science

FYP Proposal Approval Form

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| FYP ID: | FYP-BCSM-F22-041 |
| FYP Title | AI-Based Smart ID |
| Students Name | * Umair Ahmed (L) * M. Naveed Qamar * Awais Safdar |
| Students Roll # | * BCSM-F19-190 * BCSM-F19-479 * BCSM-F19-179 |
| Company Name | Innovicsoft |
| Company Address | 1st Floor, 78-K Commercial DHA Phase 1, Lahore |
| Supervisor Name | Ms. Amna Zeeshan |
| * 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. * The main idea of smart ID is to make organizations more advanced with the use of RFID cards. A face recognition system was also implemented which is connected to the database for the entrance. The card stores user balance in digital form. Users can spend his/her money from cards for only those things that he/she bought within the organization’s premises boundary. A mobile application that can display data regarding the student | |
| AI based Smart ID consists of a mobile application for the user side and desktop application for the admin panel. It also consists of an AI based application that allows face recognition at the entrance.   * At the entrance AI based face recognition is provided for the security purpose which ensures a non-delay movement and high efficiency of security. It consists of database to store the data and trains the model to recognize the face. It can be done on run time as well as stored data can be used to train the model. The model can be trained on runtime as well. * Admin side application helps to manage the records for the users within the institution / organization. It is a role-based application for the library management, café management, book shop management. * User side mobile application consists of features like personal data, deactivation of card, current cash in the card, previous transactions, books inventory from the library. | |

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

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| Remarks:  Signature (FYP Manager): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Remarks:  Signature (HOD): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |