# SIR SYED UNIVERSITY OF ENGINEERING & TECHNOLOGY SOFTWARE ENGINEERING DEPARTMENT

**ARTIFICIAL INTELLIGENCE (SWE-314) PROJECT PROPOSAL FORM**

Submission Due Date: 17th January, 2020

Section: C Batch: 2018

Number of Students: 4 Group Members Information:

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Student Name** | **Roll Number** | **Signature** |
| 1. (GL) | Syed Haris Hussain | 2018-SE-119 |  |
| 2. | Muhammad Hamza Ali | 2018-SE-104 |  |
| 3. | Syed Faiq Hassan | 2018-SE-138 |  |
| 4. | Syed Muhammad Mudassir | 2018-SE-139 |  |

Project Title:

RGB TO GRAYSCALE CONVERSION

Project Description:

In this project, we will convert a RGB image to a grayscale image using several libraries that are provided by the developers in Python. The user simple takes a RGB image as an input then the program process it and then it simply converts it to a grayscale image.

Algorithm/Libraries Selection:

**Libraries:**

* OpenCV
* **cv2** module

Accepted/Rejected:

Engr. Farheen Qazi Assistant Professor, SED

# Projects for Artificial Intelligence

|  |  |
| --- | --- |
| 1. | Face Detection Attendance System |
| 2. | Voice Recognition For Lock Opening |
| 3. | Tv Show Popularity Analysis Using Data Mining |
| 4. | Twitter Trend Analysis |
| 5. | Automatic Answer Checker |
| 6. | Personal Nutritionist |
| 7. | Question Paper Generation System |
| 8. | Object, Color, Shape And Text To Voice For Disable Persons |
| 9. | Multi-Face Detection For Home Entrance System |
| 10. | Flower Classification In Garden (Color And Name Through Voice) |
| 11. | Handwritten Digit Classification (Reply Through Voice) |
| 12. | Student Activity Recognition In Classroom |
| 13. | 8-Queen Puzzle Game |
| 14. | Wumpus World Game |
| 15. | Travelling Salesman Problem (TSP) Implementation On Google Map |
| 16. | Price Negotiator Ecommerce Chatbot System |
| 17. | Student Information Chatbot Project |
| 18. | AI Based Food Ordering Chatbot |
| 19. | Online Book Recommendation Using Collaborative Filtering |
| 20. | Rolling The Dice Game |
| 21. | RGB To Grayscale Conversion |

Note:

1. One topic can’t be allotted to multiple groups. The topics will be allotted on first come first serve basis.
2. Students may select a topic of their own choice after discussing it with the teacher.
3. It is mandatory for each group to submit project proposal form.
4. Project proposal forms may be submitted either in the handwritten or printed form.