**Projects for the subject Artificial Intelligence**

**Tentative schedule for project implementation**

|  |  |
| --- | --- |
| Project registration | 4th April 2023 |
| Project implementation second viva (15 marks) | 20th April 2023 |
| Project implementation presentation  (15 marks) | 15th June 2023 |

|  |  |  |
| --- | --- | --- |
|  | Attendance of your classroom using face detection and face recognition |  |
|  | Course registration system (OCR and text analysis) |  |
|  | Face recognition wearing face mask. |  |
|  | Heart diseases classification using AI. |  |
|  | Hindko digits recognition for text images |  |
|  | Hindko digits recognition using audio data. |  |
|  | Lecture summarization using text analysis and AI |  |
|  | Malaria disease recognition base on image data  Terror activity recognition from social media Pashtu text (for example considering Pashtu as a test case) |
|  | Pre-Asthma detection using AI and Spirometer (3 students) |  |
|  | Estimating the life of lungs using AI and Spirometer (3 students) |  |
|  | Heart disease recognition using AI and ECG signals (3 students) |  |
|  | Predicting the life of heart using AI and ECG signals (3 students) |  |
|  | Brain computer interfacing using AI (3 students) |  |
|  | Electromyogram (EMG) signal detection, classification for muscle disease using AI (3 students) |  |
|  | Fake news detection using AI |  |