**DRIVER DROWSINESS APP**

**Jahanzaib Iqbal (BSCS-F16-LC-152)**

**Haniya Maryam (BSCS-F16-LC-149)**

**Saba Mubarak (BSCS-F16-LC-80)**

**16 Week implantation plan**

|  |  |  |
| --- | --- | --- |
| **Date** | **Driver Drowsiness Millstones** |  |
| **Week 1** | **Select Technology for App development (Android)** |  |
| **Week 2** | **Search Algorithm for face detection. And select one algorithm to implementation** |  |
| **Week 3** | **Setup the Basic Mobile Application on Android** |  |
| **Week 4** | **Work on interface, like login, register** |  |
| **Week 5** | **Learn face detection Algorithm and Techniques** |  |
| **Week 6** | **Start Camera in mobile app with Android studio** |  |
| **Week 7** | **Detect face in live preview of camera** |  |
| **Week 8** | **Write Algorithm for eyes and mouth movement detect with (ML kit) on face.** |  |
| **Week 9** | **Detect Movement of eyes in face Area with landmarks** |  |
| **Week 10** | **Classify the movement of eyes and states** |  |
| **Week 11** | **Write Algo for Predict Drowsiness on face** |  |
| **Week 12** | **Work on interface of (Alert to driver)** |  |
| **Week 13** | **Work on feedback and Review Interface** |  |
| **Week 14** | **Designing of all interface.** |  |
| **Week 15** | **Apply different test technique.** |  |
| **Week 16** | **Deliver project** |  |