FYP Proposal Submission Form

Project Title : (max 2 lines)	Route Turns and Hurdle Guidance Android App
Projects Members : (2 – 3 only)	Muhammad Farjad Ali Raza SEU-S115-113
Supervised By :	Mr. Arshad Ali Khan
Co-Supervised By :	
Project Description : (max 20 lines)	Our project is based on Android Mobile application. The application is based on mapping and navigation. It detects and provides information about the road e.g. turns, speed breakers etc. Our application will help in prevention of road accident. It will be easy to use for user and easy to maintain for developer. It will earlier notify user before a speed breaker and a sharp curve e.g. if there is a speed breaker from a distance of about 0.5 Km our app will alert the user to slow down speed. The challenge we are particularly interested is the ability to develop an application that make use of sensor to detect the hurdles. First, we will collect data by using our sensor, which will be fed into our database. Data collected from sensors will be verified from 2 or 3 data sources. After verification of data it will mark on map. In this modern world efficient use of technology can prevent from serious injury or life loss. At initial stage we are working for few tracks but by time there will be advancement in this project like we can add AI in this project and we can make self learning systems.
Which real world problem shall be solved by this project?	Our app will reduce road accidents by early notifying user of sharp turn or a dangerous speed breaker. It will be a source of guidance for new drivers which are non familiar to new location.
Development Related Information: - Tools (e.g. Visual Studio, Android Studio, PHP Storm, Unity,Photoshop, MATLAB, ns-2) - DBMS (e.g. SQL Server, MySQL, SQLite, Oracle) - Platform (e.g. Windows, Linux)	**Tools:** Android Studio. **DBMS:** Firebase Shared Preferences **Platform:** Windows

Four Objectives for 7th Semester :	1. Problem Identification. 2. Solution Proposal. 3. SRS Document. 4. Proposal Presentation
Four Objectives for 8th Semester :	1. Design Based Implementation. 2. Testing/Validation. 3. Project Report. 4. Final Presentation
Date of Submission :	

    _____ **(Signature of the Supervisor)**	1. 2. 3.
	Signatures of Student(s)

For FYP Evaluation Committee

Decision by the FYP evaluation Committee : (Please tick one option)	(01) Approved (02) Not Approved (03) Revise & Resubmit	Date:
Comments by the FYP evaluation Committee :		

1. **Chairperson Evaluation Committee:** _____   **Signature:** _____

2. **Evaluation Committee Member-01:** _____   **Signature:** _____

3. **Evaluation Committee Member-02 :** _____   **Signature:** _____

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