**Requirements Document – Version 1.0**

**Project name: Campus Tour Software**

**Functional requirements:**

The application should provide a campus tour to students:

1. Map driven
2. QR Scan
3. GPS Integration
4. Voice response

**R1.** The Application should provide a NWMSU Campus tour.

**R2.** The application should show the campus map of all the buildings and parking lots in and around the campus.

**R3.** The application should allow users to track their tour in the following stages,

**R3.1.** To give a chance to user to choose the starting point of the tour.

**R3.2.** Toselect the time to start the tour.

**R3.2.1.** The minimum stops in the tour is 5.

**R3.2.2.** The main path of tour includes:

* Colden Hall
* JW Jones Student Union
* Administrative Building
* Garret-Strong Building
* B.D Owens Library
* CIE
* Wellness Center
* Foster Fitness Center
* Fine Arts Building
* Bearcat Stadium
* Residence Halls
* Parking Lots

**R3.3.** Toagree to the terms and conditions.

**R4.** The application should be able to provide a virtual tour of the campus to the user.

**R5.** The application should be able to scan the QR Code placed outside the building to retrieve and record the information from it.

**R6.** The GPS in the system is linked with the QR Code and function accordingly.

**R7.** The application should be smart to detect the internet connectivity

**R7.1.** If there is no internet connection should display connect to internet.

**R7.2.** If there is internet then proceed with the tour.

**R7.3.** If GPS goes off in the middle then along with the message should display go to any near building to start the tour.

**R7.4.** If GPS is on and the user is not near to the campus map then it should show a message to ask the user to go the nearest building.

**R8.** If the user is not in the range of the NWMSU campus then application tells user to go near the university in order to start the campus tour.

**R9.** QR Code placed outside the building, the GPS and in sync from the time the campus tour starts till the tour ends.

**R10.** There should be a database managed by the University for All the Data to be displayed in the application.

**R11.** The main goal of this application is push pull type.

## Non-functional requirements:

**NFR1.** There should be uniformity in all the features of the application