**Project Evaluation**

**Retrospection in each phase:**

**Requirements:**

* Agile software development model has helped in division of tasks as per the requirements in each iteration. Expertise in usage of Agile process among the team helped in rating the scrums, tasks in each increment.
* Development sharing i.e. both offline and online activity has been shared equally in each phase, which helped in overall understanding of project for all the team members.
* The project management is done in such a way that we swapped the back end and front end tasks in each iteration so as to achieve complete knowledge on the application.
* The usage of right storage techniques during the requirement phase could have helped in increasing the time complexity of the application.
* Could have investigated further on the inbuilt android sensor techniques, could have helped in avoiding usage of Sensor Tag.

**Design:**

* The initial design of recommendation algorithm was accomplished successfully without any issues as we were intended to complete these task by any means.
* At the end of the project the initial plan has been achieved and accomplished successfully with accuracy.
* However expertise in development of android applications among the team helped in designing the GUI and other technical implementations effectively.
* Initial phases lacked the expertise in usage of sensor tag which delayed the process of offline activity. A lot of wrongly trained data was collected without any correct observations like orientation of device and timelines.

**Implementation:**

* Detailed investigation into the K-NN algorithm helped in easy implementation of code.
* Lot of time is being saved in fourth iteration due to the usage of google charts for reporting the data.
* Activity recognition was the major task during the implementation phase

**Testing:**

* Testing was comfortable in all phases as it is a mobile app.
* Detailed investigation in understanding the algorithms helped in testing the application at granular level.

**Analysis:**

* More care in training data and also on the usage of sensor tag is highly recommendable.
* Catchy GUI will make this application more appealing and considerable for the real time.