Feasibility Report

“Augmented Tour”

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1. Title: "Augmented Tour"

2. Functional Requirements:

- Customer can view information on Camera View about their own interest: like Hotels, Hospitals, Banks, Bus Stapps, Mosques and Restaurants.
- Application will show on Camera View all the available POI from GPS in Tag according to the Customer interest.
- The application will show all the offer properties (distance, phone number,) of each selected POI by Customer.
- The application will display all the events on Camera View that are in the direction of Camera.
- The application will work dynamically, users can add their own point of interest.

3. Feasibility Analysis:

An overall study of the project has been carried out and the findings have been listed in this report. The feasibility of **"**Augmented Tour**"**

can be ascertained on the following assessments:

- Technical feasibility
- Financial feasibility
- Resources feasibility
- Schedule feasibility
- Operational feasibility (if applicable)

3.1. Technical Feasibility:

- To show information on the Camera View we will used **Augmented Reality** libraries: **Artoolkit6** and **DriodAR.**
- For Android Application development we will use **Android Studio** tool and **Java language**.
- To show information on Camera View we will use **Tag** and **Location based** Augmented Reality.
- Location of each region will save **manually** in database.

3.2. Financial Feasibility:

Feasibility of financial aspects e.g. pricing and source of availability and financing of tools and other resources required for the project. Provide a tabulated information in the given format:

Resource Name **[hardware or software]**	**Price** [Monetary cost]	**Source** [website URL/Dealer's address etc.]	**SPONSER**
Android Device (Having Back Camera)	RS 9000/	Available in Markets	**Self**
Android Studio	Free	https://developer.android.com/studio/index.html	
Artoolkit (Augmented Reality sdk)	Free	https://archive.artoolkit.org/download-artoolkit-sdk	
Laptops	50000	Available in Markets	**Self**
Location and Sensors APIs	Free	Built in Android Studio	

3.3. Resource Feasibility:

- The Augmented Reality Libraries and Android Application development tools are easily and freely available on internet.

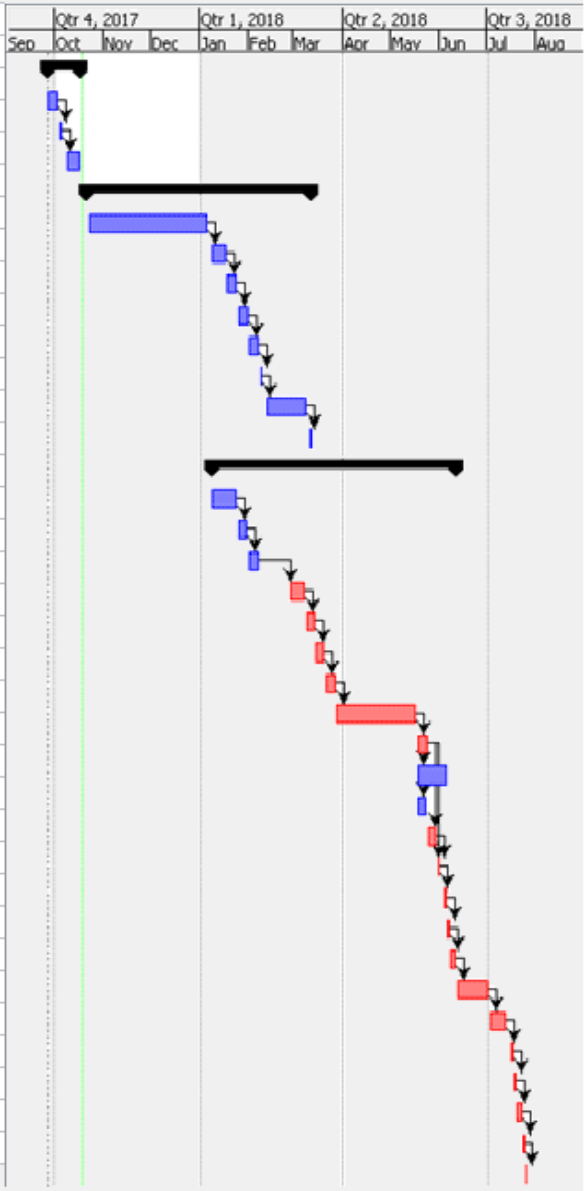
3.4. Schedule feasibility:

Task Name	Start	End	Duration (days)
Design Application Interface	8/10/2017	23/10/2017	15
Opening the Camera in Application	24/11/2017	05/11/2017	11
Control the Functionalities of Camera	06/11/2017	20/11/2017	15
Record Data from Camera	21/11/2017	30/11/2017	9
App Integration with GPS	1/12/2017	5/12/2017	5
Designing Tag for Data	6/12/2017	31/12/2017	25

Show Data in Tags	1/1/2018	30/1/2018	30
Analyzing the Data	1/2/2018	5/2/2018	5

Gannt Chart

Name	Duration	Start	Finish
iteration 0	**15 days?**	**9/27/17 8:00 AM**	**10/17/17 5:00 PM**
Project Proposl	5 days?	9/27/17 8:00 AM	10/3/17 5:00 PM
Phisibility Report	3 days?	10/4/17 8:00 AM	10/6/17 5:00 PM
Proposal and Phisibility	7 days?	10/9/17 8:00 AM	10/17/17 5:00 PM
Iteration 1	**101 days?**	**10/21/17 8:00 AM**	**3/12/18 5:00 PM**
Design Interface	55 days?	10/21/17 8:00 AM	1/5/18 5:00 PM
Camera Code	8 days?	1/8/18 8:00 AM	1/17/18 5:00 PM
Integration with GPS	5 days?	1/18/18 8:00 AM	1/24/18 5:00 PM
Integration with ARtoolkit	5 days?	1/25/18 8:00 AM	1/31/18 5:00 PM
Analyze Data	5 days?	2/1/18 8:00 AM	2/7/18 5:00 PM
Show Data	2 days?	2/8/18 8:00 AM	2/9/18 5:00 PM
SRS Document	20 days?	2/12/18 8:00 AM	3/9/18 5:00 PM
30% Presentation	1 day?	3/12/18 8:00 AM	3/12/18 5:00 PM
iteration 2	**111 days?**	**1/8/18 8:00 AM**	**6/11/18 5:00 PM**
Bank Module	13 days?	1/8/18 8:00 AM	1/24/18 5:00 PM
Show Data	4 days?	1/25/18 8:00 AM	1/30/18 5:00 PM
Test Banks Module	5 days?	2/1/18 8:00 AM	2/7/18 5:00 PM
Education Module	8 days?	2/27/18 8:00 AM	3/8/18 5:00 PM
Analyze Data	4 days?	3/9/18 8:00 AM	3/14/18 5:00 PM
Show Data	4 days?	3/15/18 8:00 AM	3/20/18 5:00 PM
Test Education Module	5 days?	3/21/18 8:00 AM	3/27/18 5:00 PM
Shops Module	37 days?	3/28/18 8:00 AM	5/17/18 5:00 PM
Test Shops Module	5 days?	5/18/18 8:00 AM	5/24/18 5:00 PM
Drink and Eat Module	13 days?	5/18/18 8:00 AM	6/5/18 5:00 PM
Analyze Data	4 days?	5/18/18 8:00 AM	5/23/18 5:00 PM
Show Data	4 days?	5/25/18 8:00 AM	5/30/18 5:00 PM
Test Eat and Drink Module	2 days?	5/31/18 8:00 AM	6/1/18 5:00 PM
Analyze Data	2 days?	6/4/18 8:00 AM	6/5/18 5:00 PM
Show Data	2 days?	6/6/18 8:00 AM	6/7/18 5:00 PM
60% Presentation	2 days?	6/8/18 8:00 AM	6/11/18 5:00 PM
Iteration 3	15 days?	6/12/18 8:00 AM	7/2/18 5:00 PM
Pray Module	9 days?	7/3/18 8:00 AM	7/13/18 5:00 PM
Analyze Data	2 days?	7/16/18 8:00 AM	7/17/18 5:00 PM
Show Data	2 days?	7/18/18 8:00 AM	7/19/18 5:00 PM
Test Pray Module	2 days?	7/20/18 8:00 AM	7/23/18 5:00 PM
CheckList Design/ Hci Principl	1 day?	7/24/18 8:00 AM	7/24/18 5:00 PM
System Testing/Debugging	2 days?	7/25/18 8:00 AM	7/26/18 5:00 PM



3.5. Operational Feasibility:

The proposed system is entirely applicable and operationally feasible.

- Location and Sensors APIs
- Recommendation Techniques (Location Base Augmented Reality)
- Location of each region will save in database.

4. Assumptions:

We assume that our project can be presented as a product in market. As the **Tourist Agency** demand for **Tourist Systems**. The Application will work in presence of:

- GPS
- 3G or 4G
- WIFI
- Camera