

BSc (Hons) in Information Technology Year 4

IT2040 – Modern Topics in Information Technology Augmented Reality Assignment - 02

You have to create a Simple Mobile/PC AR Application and the **Theme is Tourism**. Application can be very simple one to visualize theabove aspect.

Guidelines:

- 1. Each member should create an AR application to display one artifact.
- 2. Next step is to combine all projects to a one single application.
- 3. Note that if you want you can use different markers to display multiple objects in a singleapp or if you want you can tryout Markerless AR approach.
- 4. Each artifact must be labeled with the artifact name and the group member's name under the artefact in the augmented reality environment.
- 5. Create a report including the following and upload it to the course web.
 - a. Description of each members contribution to the application.
 - b. Screen shots of individual applications and the final application (try to render all objects in one single view).
 - c. Codes of individual applications and the final application.
 - d. Make a small writeup about a real-life problem where you can apply AR technology to solve it. Discuss within the group to identify it.
- 6. You may refer the following links.

https://aframe.io/blog/arjs/

https://github.com/aframevr/aframe/

https://sketchfab.com/search?q=artifacts+free+download&sort_by=-pertinence&type=models

Marking Rubric

Description	Assigned Marks
Members' Contribution (Description)	02
Individual Applications (Codes and screenshots)	02
Final Application + Wow factor	04
Writeup of the real-life problem	02
Total	10