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|  | **HASAN KALYONCU UNIVERSITY**  **Computer Engineering Department** **COME 499 Project Proposal Form** |

**Part I. Project Proposer**

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**Part II. Project Information**

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| **Starting Term** | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 2 | 0 | 1 | 9 | / | 2 | 0 | 2 | 0 | |
| **Title of the Project** | **Intelligent Route Recommendation System for Archaeological Sites** |
| **Project Description** | |
| The first need of a tourist who wants to visit a touristic place is a useful guide. The main reason for this is that people who are traveling around want to get some information about that place. Unfortunately finding a guide can be sometimes a challenging issue. Even if the tourist can find a guide easily, guide may not have enough knowledge about the place. Our purpose is to decrease the dependency of the tourist on the guide, and provide to tourist a better experience for his/her travel is like that:  We will recommend to tourist new places they can visit by checking the previous places they visited. In addition, at the new places they go, we will give them information about that place, and they will receive badges. Also they will have some quizzes about the information they have got when they arrived there, and they will earn achievements. By doing this, we will eliminate the effort for searching for a guide, give information to tourist about the place, and make it a better experience for him/her. And also all these operations will be done via AI and AR. | |
| **Project Justification** | |
| **Novelty** | |
| **New aspects** | A program that guides tourists, supported by artificial intelligence and augmented reality. |
| **Complexity** | |
| **Challenging problem and issues** | Development of AI algorithm, Augmented Reality and they're integration will be a challenging problem for the developers of the system. |
| **Related computer science fields and subfields** | ARTIFICIAL INTELLIGENCE , AUGMENTED REALITY, MOBILE TECHNOLOGIES, INTEGRATION WITH MAPS |
| **Tools** | XAMARIN OR REACT NATIVE |
| **Risk involved** | |
| **Potential problems and alternative solutions** | Recognizing buildings or places with AR Camera |
| **Minimum work required** | 3 MONTHS WITH 3 DEVELOPERS |