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| **AMERICAN UNIVERSITY OF THE MIDDLE EAST** | | | | |  |
| **FUNCTIONAL AREA** | **DOCUMENT TYPE** | **DOCUMENT NUMBER** | **VERSION** | **EFFECTIVE DATE** |
| RESEARCH OFFICE | FORM | F-RFD-08 | V02 | Dec 2015 |
| **SURVEY APPROVAL APPLICATION FORM** | | | | | |
| Application Number (To be filled by Research Office): | | | | | |
| **DETAILS OF SURVEY MANAGER** | | | | | |
| Name : Muhammad Nadeem AUM ID : 1743 | | | | | |
| College : Engineering and Technology Department : Electrical Engineering | | | | | |
| Semester : Fall Spring Summer Academic Year : 2024 / 2025 | | | | | |
| AUM Joining Date : 25/8/2019 Position : Faculty Rank : Associate professor  (DD/MM/YYYY) | | | | | |
| **DETAILS OF SURVEY** | | | | | |
| Title of Survey : AUMAR: Augmented Reality Based Mobile application for University Orientation | | | | | |
| Course Name : NA Course Code : NA | | | | | |
| Who is conducting the survey: Faculty (Muhammad Nadeem, Melinda Oroszlanyova, Pauly Awad, Hasan Ozkan) | | | | | |
| Who will be surveyed : Students | | | | | |
| Where is it taking place : Outside classroom, inside campus (approx. 10 – 15 min) | | | | | |
| When is it planned : During Spring 2025 (week 3 – 16) | | | | | |
| **Please describe the survey.**  The transition to university life can be overwhelming for new students, especially when navigating the campus environment and accessing essential resources. In response to this challenge, this research introduces AUMAR, a mobile application designed to enhance university orientation through GPS and QR code technologies. The application aims to provide seamless navigation, information retrieval, and campus exploration for new students. Leveraging GPS functionality, AUMAR offers real-time location-based services, including route guidance to academic buildings, student services, and recreational facilities. Additionally, QR code integration allows users to access relevant information by scanning codes placed at key campus locations as well as lab equipment. The purpose of this survey is to find and discusses the results of user testing and evaluation, highlighting the application's usability, effectiveness, and potential impact on university orientation practices.\    **Please illustrate the benefit of conducting the survey**  Through its innovative features and user-friendly interface, AUMAR will facilitate a smoother transition for new students and optimizing their university experience. It can also help students in the lab getting instant information and tutorial of the equipment used in the lab. AR applications will provide real-time information on student services, IT support, academic advising, career counselling, and student organizations. This will foster the interactive learning and enhance student engagement as well as retention of information. Outcome of this study will also be published in a journal. | | | | | |
| Are you going to survey about any of AUM resources?  □ Yes Please, give the details: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  X No | | | | | |
| Are you intending to use this survey in a publication?  X Yes  □ No | | | | | |
| Please mention all the ways you are going to utilize the information based on the survey.    The survey is anonymous and does not contain any personal information. The aim of the proposed survey is to evaluate the efficacy of the mobile application for the orientation. The survey will be used for the improvement of student experience at AUM. | | | | | |

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| I hereby acknowledge the following:     * The anonymity of the person interviewed/surveyed is guaranteed * This survey is only for academic research related to student centred pedagogy.   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **DETAILS OF ATTACHMENTS AND VERIFICATIONS** |
| X Survey form.  X Agreement/Acceptance form for surveyed persons. (Survey is volunteer and agreement will be collected during the survey.)  □ Other (please specify).  **By signing this document, I verify that:**   1. All information provided in this form is accurate and truthful. 2. Ethical research standards are applied in my/our publication. 3. I am going to submit a soft copy of the survey material with the findings to the research office by e-mail within one month from conducting the survey. 4. The survey form is including the following;   ***Statement of Acknowledgment:***  *The following is hereby acknowledged;*   * *The anonymity of the person survey/interviewed is guaranteed* * *This survey is only for academic research purposes* |
| Applicant : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_ /\_\_\_\_\_ /20\_\_\_  Name Signature Date |
| **HEAD OF DEPARTMENT ASSESSMENT** |
| **□ Approved □ Rejected**  Head of Dept. : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_ /\_\_\_\_\_ /20\_\_\_  Name Signature Date  Comments : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **DEAN ASSESSMENT** |
| **□ Approved □ Rejected**  Dean : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_ /\_\_\_\_\_ /20\_\_\_  Name Signature Date  Comments : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **RESEARCH OFFICE ASSESSMENT** |
| **□ Approved □ Rejected**  Officer : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_ /\_\_\_\_\_ /20\_\_\_  Name Signature Date  Comments : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **PROVOST ASSESSMENT** |
| **□ Approved □ Rejected**  Provost : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_ /\_\_\_\_\_ /20\_\_\_  Name Signature Date  Comments : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |