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| KING ABDULAZIZ UNIVERSITY | | | | | | | | | | | |
| FACULTY OF ENGINEERING | | | | | | | | | | | |
| DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING | | | | | | | | | | | |
| EE-499 SENIOR DESIGN PROJECT (SDP) | | | | | | FALL-2021 | | | | | |
| TERM-1 PRESENTATION EVALUATION SHEET (T1P) | | | | | | | | | | | |
| **Project Title:** | | **On-Campus Delivery Robot** | | | | | | | | | |
| **Project Advisor:** | | **Dr. Muhammad Bilal** | | | | | | | | | |
| **Project Customer:** | | **Dr. Muhammad Bilal** | | | | | | | | | |
| **TEAM No.:** | **03** | **Project Team Members** | | | | | | | | | |
| M1 Univ. ID: | **1846525** | Name: | **Muhannad Saeed Alghamdi** | | | | Specialty: | | | | **CoE** |
| M2 Univ. ID: | **1845862** | Name: | **Sulaiman Abdullah Abbas** | | | | Specialty: | | | | **CoE** |
| M3 Univ. ID: | **1846987** | Name: | **Wael Rabah Aldhaheri** | | | | Specialty: | | | | **BME** |
| **TC: Team Evaluation; MS: Max. Score, SC: Score Obtained** | | | | | | | | | | **MS** | **SC** |
| 1. **Presentation Organization and Appearance** | Logical sequence; serially-numbered slides; correct language; well-organized and formatted graphical illustrations with appropriate captions. | | | | | | | | | **5** |  |
| 1. **Correctness of Content** | Factually correct contents presented with proper supporting proofs. | | | | | | | | | **5** |  |
| 1. **Introduction** | Clearly familiarizes about what is going to be presented; project topic, terminologies, **engineering background,** relevant **physics** and **mathematics** needed to fully understand the problem involved. | | | | | | | | | **5** |  |
| 1. **Problem Definition** | A clear, specific, and right to the point statement. | | | | | | | | | **5** |  |
| 1. **Objectives** | Logical and achievable at both **strategic** and **technical** levels. | | | | | | | | | **5** |  |
| 1. **Project Design Specifications (PDS)** | A description of not-yet-designed product considering **customer's needs**, relevant **engineering standards**; accompanied with **musts**, **wants**, **realistic assumptions** and **constraints**. | | | | | | | | | **10** |  |
| 1. **Literature Review** | A comprehensive study of the **current technologies** and **existing solutions to the problem** undertaken in the project. | | | | | | | | | **5** |  |
| 1. **Alternative Designs** | At least **three essentially different**, well-described (with block diagrams), multi-disciplinary (dominantly electrical engineering) designs satisfying PDS; considering all **standards** and **constraints**. | | | | | | | | | **15** |  |
| 1. **Selection of Baseline Design** | One optimum, feasible and doable design chosen with reasonable justifications based on the **analyses of pros and cons** of each solution using one or more suitable evaluation techniques; and how well they satisfy the **musts** and **wants**. | | | | | | | | | **5** |  |
| 1. **Maturing Baseline Design** | Efforts of maturing baseline design considering practical issues faced in similar solutions proposed/investigated in the literature. | | | | | | | | | **5** |  |
| 1. **Block and/or Circuit Diagrams** | A detailed functional block diagram of the optimum solution along with relevant circuit schematics, flowcharts, and/or technical specifications; proper **description of each block** with appropriate **explanation** and **referencing**. | | | | | | | | | **12** |  |
| 1. **Analyses of Baseline Design** | A discussion of technical aspects of the baseline design in view of the **customer needs** and **relevant engineering practices/standards**. | | | | | | | | | **5** |  |
| 1. **Cost Analysis** | A thorough cost analysis justifying the economic feasibility. | | | | | | | | | **3** |  |
| 1. **Impacts of Proposed Design** | The expected (whenever relevant; write NA when irrelevant) societal, environmental, economic and other global (health and safety, political, scientific research, religion etc.) impacts of the future product discussed extensively with plenty of citations. | | | | | | | | | **5** |  |
| 1. **Modern Engineering Tools** | Used in project design, analysis, modeling and/or simulation. | | | | | | | | | **5** |  |
| 1. **References** | A list (written in IEEE standard format) of **reliable** and **credible sources** of information cited in the text. | | | | | | | | | **5** |  |
| **Individual Member Evaluation** | | | | | | | | **MS** | **M1** | **M2** | **M3** |
| 1. **Presentation Skills** | Clear voice, correct language and captured interest of audience through engaging techniques. | | | | | | | **5** |  |  |  |
| 1. **Contribution in the project** | Apparently entitled to a major design part in the project; effectively accessed information and presented | | | | | | | **10** |  |  |  |
| 1. **Preliminary Implementation** | Tried to simulate and/or actually implement some parts of the project. | | | | | | | **10** |  |  |  |
| 1. **Scientific Knowledge** | Effectively demonstrated the necessary scientific and engineering understanding about the relevant parts. | | | | | | | **10** |  |  |  |
| 1. **Answering the Questions** | Satisfactorily answered to the evaluators' questions especially to the part of responsibility. | | | | | | | **15** |  |  |  |
| **NEGATIVE MARKING (to be deducted from Presentation grades)** | | | | | | | | | | | |
| 1. **Time Management** | Did not do proper preparation and/or start/finish (uninterrupted) in allocated time | | | | | | | **5** |  | | |
| 1. **Appearance** | Bad appearance | | | | | | | **5** |  |  |  |
| 1. **Management and Preparation** | Largely uneven time distribution; mis-managed and haphazard behavior showing lack of necessary preparations | | | | | | | **10** |  |  |  |
| 1. **Frequent Switching** | Too many switchings among the presenters | | | | | | | **10** |  |  |  |
| 1. **Behavior** | Misbehaved with the evaluator(s), advisor and/or team member(s) | | | | | | | **30** |  |  |  |
| 1. **Coordination** | Did not let other members speak and answer the questions about their part of the project | | | | | | | **10** |  |  |  |
| **Name and Signatures of Evaluator** |  | | |  | | | | **150** |  |  |  |
| **Date** |  | | |  |  | | |  |  |  |  |

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| **Comments and Suggestions** |  |