

**FAKULTI TEKNOLOGI KEJURUTERAAN ELEKTRIK DAN ELEKTRONIK**

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| **Project [30%]** |
| BTE3053/BTE3254  Microprocessor and Interfacing |

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| **Taxonomy Level** | | | | | |
| **Cognitive** | | **Psychomotor** | | **Affective** | |
| **C1** – Remember | **C4** – Analyze | **P1** – Imitation | **P4** – Articulation | **A1** – Receiving | **A4** – Organization |
| **C2** – Understand | **C5** – Evaluate | **P2** – Manipulation | **P5** – Naturalization | **A2** – Responding | **A5** – Internalizing |
| **C3** – Apply | **C6** – Create | **P3** – Precision |  | **A3** – Valuing |  |

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| **Mapping to CO/PO** | | | | | |
| **CO3** | Develop advance programs for applications in embedded systems using C language. | | | | |
|  |  | | | | |
| **PO Mapping for this Assessment** | | | | | |
| **PO1** | Knowledge | **PO5** | Modern Tools Usage | **PO9** | Ethics |
| **PO2** | Analysis | **PO6** | Teamwork | **PO10** | Project Management |
| **PO3** | Design | **PO7** | Communication | **PO11** | Environment & Sustainability |
| **PO4** | Investigation | **PO8** | Engineer & Society | **PO12** | Life-long Learning |

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| **Assessment Details** | | | | | |
| Lab/Technical Report | | Presentation / Demo | Practical Assessment | | Others |
| **Submission Due Date :** | 17th September 2023 | | **No. of Group Member :** | 3 Students / group | |

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| --- | --- | --- | --- |
| **GROUP MEMBERS:** | | | |
| **No.** | **Student ID** | **Student Name** | **Section/Grp** |
| **1** | TB20091 | Jehovah Yii Zui Hon |  |
| **2** | TB20037 | Muhammad Syazwan Anwar bin Suhaimi |  |
| **3** |  |  |  |

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# Problem Description

Describe the project in depth with an appropriate block diagram,

system sketch, and any other associated diagram as required. The report should include

the following:

• details of the proposed system

• function/role of each system component (block

# Design/Theory

This section should include

• Description of design steps

• Reasoning for design steps

• Appropriate diagram to illustrate the design (i.e. schematic diagram, flow charts)

# 

# Conclusion / Discussion

This section should include

• A statement presenting the outcome of the project

• What could be done better/recommendations

# Group Interaction

• This section should describe the responsibilities of each group member.

|  |  |
| --- | --- |
| Name | Tasks |
|  |  |
|  |  |

# Bibliography/References

• List any books, web pages, and catalogues you used to implement the project.

# Appendices

This section should include • Datasheet (only the part that is used for the project) • Any additional pictures/graphs - use captions and explanations • The C-codes • Schematic diagrams

**All the diagrams and texts should be presented clearly**