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|  | **THE UNIVERSITY OF SHEFFIELD School of Electrical and Electronic Engineering**  **3rd Year Individual Project**  **Interim report** | | | |  |
| **Student Name** | | Amaan Mujawar | | | |
| **Project Title** | | Implement an Arithmetic Unit utilising Approximate Computing into RISC-V SoC | | | |
| **Supervisor** | | Mr Neil Powell | **Second Marker** |  | |

**Background**

This section should introduce the subject area and explain its significance, providing a broad motivation for the project. Briefly outline the aims, which give a general overview of the project's purpose, followed by specific objectives. Objectives should detail actionable tasks that can be assessed at the end of the project (e.g., simulate…, test…, compare…). These objectives will also align with the work programme discussed later in the report.

**Literature Review**

This section should be a thorough examination of relevant theories and existing literature, supporting the project’s basis. Begin with an introduction to the theoretical framework underlying the project, followed by a critical appraisal of literature that is directly relevant. A strong literature review will demonstrate academic insight through structured groupings and logical connections between sources, providing motivation and context for the project’s work.

**Technical Progress**

In this section, detail any initial work done, including any preliminary simulations, experiments, or findings. Discuss the methodologies and approaches taken so far, and any insights that have emerged. Provide a summary of the progress and the technical milestones reached to date.

**Project Management**

This section should outline the planned work for the remainder of the project. It will often link back to the project’s original objectives, detailing specific tasks to be completed. Include a reference to a detailed Gantt chart (provided as an appendix), which should represent the project timeline, updated progress, and adjustments against the initial plan

**References:**

References should follow the IEEE referencing style.