The Thesis/Project Proposal should include the following headings: Title, Background, Objectives, Methodologies, Deliverables, Timeline, and Reference. Refer to the proposal template (link) for more details.

1.0 Title: Project Title, student name, institutional affiliation

2.0 Background: Provide an introduction and detailed description of the current state of the topic with appropriate references, need for the intended project, and its contribution to the field of mechanical engineering.

3.0 Objectives: Provide a clear objective and specific goals towards advancing the state of the topic.

4.0 Methodology: Provide a detailed description of how the thesis/project will be carried out. Include a detailed outline of methods used in your analysis and validation. This section of the proposal is very important and should provide a complete picture of how the intended work will be carried out.

5.0 Deliverables: A list of items you will provide such as a software with documentation, a new theory with complete justification, or a piece of hardware to demonstrate or prove a concept.

6.0 Timeline: provide a schedule for delivery of the study such as start date, research activities, defining conceptual goals, fabrication of hardware, report submission, semester presentation, and delivery of the semester report.

7.0 References: Using the standard references citation format, provide the reference list that supports the research background on the topic.