24RM801 Research Methodology for Engineering

Assignment 2: Identifying and Mitigating Research Bias

Submission Date: 20/01/25

Objective: Analyze potential biases in your current research project and propose strategies to mitigate these biases.

Instructions:

1. Bias Identification:

   a. Review your current research project and identify at least three types of biases that may affect your study (e.g., selection bias, response bias, leading questions).
   b. For each identified bias, provide a brief description (100-150 words) explaining how it could impact your results.

2. Mitigation Strategies:

   a. For each type of bias identified, propose at least one strategy to mitigate its effect on your research. This could include changes in data collection methods, questionnaire design, or participant selection.

3. Canva Infographic:

   a. Create an infographic using Canva that summarizes:
   b. The identified biases.
   c. Proposed mitigation strategies.
   d. The significance of addressing these biases for the integrity of your research.

4. Submission:

   - Share your Canva infographic link along with a short commentary (200-300 words) on the role of researcher bias in shaping research findings and the importance of transparency in addressing these issues.