**DSA 554 3.0 Spatio-temporal Data Analysis**

Index Number:

Student's signature confirming attendance at the presentation: …………… (To be signed Infront of the examiner)

Date:

**To be filled by the examiner**

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| **Criteria** | **Marks allocated** | **Marks received** |
| **Introduction:** Introduction Clearly summarize the research problem and objectives.  Explain the significance of the study in the broader context of spatial or spatio-temporal analysis. | **2 marks** |  |
| **Data**  Provide details about the dataset used in the study.  If the dataset is not publicly available, construct a simulated dataset to illustrate key concepts. | **3 Marks** **2 Marks (Google Classroom submission)** |  |
| **Methodology** Describe the techniques and models used in the study.  Explain why these methods were chosen and their advantages. | **10 marks** |  |
| **Replication of Results**  Attempt to reproduce the key findings using the provided or simulated dataset. Present and interpret your results. | **6 Marks**  **Presentation** |  |
| **4 Marks results and code submission and reproducibility of results (Google classroom submission)** |  |
| **Suggestions for Improvement**  Identify potential weaknesses or limitations in the study. Suggest alternative methods, additional analyses, or improvements in data collection. | **3 marks** |  |
| **Limitations**  Discuss the challenges or constraints associated with the study’s approach. Reflect on the broader implications of these limitations. | **2 marks** |  |
| **Q and A** | **Q1: 3 marks**  **Q2: 3 marks**  **Upload all required documents: 2 marks** |  |
| **Total** | **40 marks** |  |