**statement of contribution**

MapsMaster Team

A screenshot of a computer

AI-generated content may be incorrect.

**Signature:** AMNA

**Date:** 07/05/2025

**Signature: Ayesha**



**Date:** 07/05/2025

**Signature: Fatima**

**Date:** 07/05/2025

**Signature: Alanood**

**Date:** 07/05/2025

**Amna – U23200512:**

1. I was responsible for 47% of the overall code development, including implementing core functionalities and conducting extensive testing and debugging to ensure code reliability.
2. I authored the *Methodology and System Architecture* section of the IEEE conference paper.
3. On GitHub, I managed several push and pull requests and reviews. Additionally, I uploaded half the datasets used in our algorithm and created the README file inside the code folder.
4. I was also responsible for sourcing relevant datasets used in the project. This involved identifying publicly available geospatial and environmental data, including pollution measurements, mobility indicators like taxi density, and other supporting layers such as socioeconomic and infrastructure data. These datasets were essential for feature engineering, clustering, and validating our sensor placement strategy.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a social media account

AI-generated content may be incorrect.

**Fatima – U24102845:**

1. I was responsible for 47% of the overall code development, including implementing core functionalities and conducting extensive testing and debugging to ensure code reliability.
2. I authored the *Results and Discussion* section of the IEEE conference paper.
3. On GitHub, I managed several push and pull requests and reviews. Additionally, I uploaded half the datasets used in our algorithm and created the README file on the main branch.
4. I was also responsible for sourcing relevant datasets used in the project. This involved identifying publicly available geospatial and environmental data, including pollution measurements, mobility indicators like taxi density, and other supporting layers such as socioeconomic and infrastructure data. These datasets were essential for feature engineering, clustering, and validating our sensor placement strategy.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a social media survey

AI-generated content may be incorrect.

Ayesha – U23107181:

1. I authored the Abstract and Introduction sections of the IEEE conference paper.
2. On GitHub, I managed a push and pull requests.

A screenshot of a social media survey

AI-generated content may be incorrect.

Alanood - U24103123:

1. I authored the literature review and summary and future work sections of the IEEE conference paper.
2. I was responsible for approximately 6% of the overall code development.
3. On GitHub, I managed several push and pull requests.

A close up of a website

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.