**Contribution Table**

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| Team Member | Task |
| Sabal Nemkul | Team Contract |
| Sabal Nemkul, Ayush Acharya, Thathsara Abesooriya | Getting Relevant Resources |
| Sabal Nemkul | Aims and Objectives |
| Ayush Acharya | Research on Geospatial AI for Land Use Classification |
| Sabal Nemkul | Research on Real-Time Data Acquisition and Monitoring Systems |
| Thathsara Abesooriya | Research on Machine Learning Algorithms for Land Use Mapping |
| Sabal Nemkul, Ayush Acharya | Develop Mindmap & Flowchart |
| Thathsara Abesooriya | Research U-Net and CNN Architectures |
| Sabal Nemkul | Gather and Analyze Datasets |
| Sabal Nemkul | Documentation |
| Thathsara Abesooriya | Develop and Train U-Net Model |
| Sabal Nemkul, Thathsara Abesooriya | Fine-Tune for Accuracy |
| Sabal Nemkul, Thathsara Abesooriya | Evaluate on Validation/Test Dataset |
| Thathsara Abesooriya | Implement Preprocessing Scripts |
| Thathsara Abesooriya | Save and Test Training History |
| Ayush Acharya | Research Web-Based Interfaces |
| Sabal Nemkul | Develop Alert System |
| Thathsara Abesooriya, Ayush Acharya | Create Web Interface for Image Upload and Results |
| Thathsara Abesooriya | Implement Alert System |
| Sabal Nemkul | Test the Full Pipeline |

Total hour spent in the project,  
Sabal Nemkul – 36 hrs

Thathsara Abesooriya – 45hrs

Ayush Acharya – 25hrs