GIS – Term Paper

Deadlines:
- Initial (mid-term) Submission: 15-Sep-2024 [Title, Authors, Abstract, Objectives etc., format: pdf] : 1 or 2pages
- Final (Full) Submission: 10-Nov-2024 (12 pages – min, format: pdf)
- Presentations: 1st week of November, 2024

Broad Areas (but not limited to) **are listed for your references:**
1. Spatio-temporal Data Mining and Knowledge Discovery
2. Spatial Data Analysis
3. Spatial Network Analysis
4. Spatial Big Data
5. Spatial Crowd Sourcing/ Crowd Sensing
6. Spatio-temporal Prediction
7. Mobility Analytics
8. Intelligent Transportation System using spatio-temporal data
9. Geo-spatial Cloud
   a. Resource allocation strategies using Computational Intelligence techniques
   b. Geo-Sensor Cloud
   c. Internet of Spatial Things
   d. Cloud-Fog-Edge Architecture for Spatio-temporal Analysis
   e. Efficient resource allocation strategies to support (design and implement) a geospatial cloud using Computational Intelligence techniques
10. Public health management using spatio-temporal data

Please note:
- You are supposed to select some specific topic (of your choice or refer the above broad topics). Read at least 5 recent papers (IEEE/ ACM/ Elsevier/ Springer journals/ transactions/ Conference proceedings etc.).
- Use IEEE Single Column Format; Nos. of pages: 12 (min)
- In case of plagiarism, No marks will be awarded.
- Contact Tas/ Teacher for any discussion

Few reference journal/ conference:
1. ACM Transactions on Spatial Algorithms and Systems
2. ACM Transactions on Intelligent Systems and Technology
3. ACM Sig Spatial Conference
4. IEEE Geoscience and Remote Sensing Society (GRSS) – Journals/ Transactions/ Letters
5. IEEE Transactions on Intelligent Transportation Systems
6. IJGIS, Taylor & Francis
7. Geo-Informatica, Springer
8. Computer & Geoscience, Elsevier