

# ITU- FACULTY OF CIVIL ENG. - GEOMATICS ENGINEERING

## “GEO433E- URBAN INFORMATION SYSTEMS” TERM HOMEWORK



**SUBJECT:** Evaluation of the general performance of the urban/geographic information system works used by the Metropolitan Municipalities in their current services, with SWOT.

**THE AIM:** By examining the websites of *at least five (5) great-metropolitan municipalities* that provide urban/geographic information system services over the internet in our country, search and examination will be made about Urban Information System (UIS) services in the context of current electronic/smart municipality.

In this context, with a SWOT analysis, a general view on the use of UIS/GIS by metropolitan municipalities is made by examining the basic performance criteria to be determined by you (for example: *data up-to-date, data quality, content richness, data standards, accessibility, and management structure, etc.*) will be created.

Thus, after evaluating the works of each municipality individually with SWOT analysis, then a general SWOT analysis table will be prepared in which all municipalities are considered and evaluated as a whole.

As a result, with the SWOT analysis, first, the “Strengths, Weaknesses, Opportunities and Threats (SWOT)” of the urban information system applications in each municipality will be presented in the necessary tables. Then, as a result of this table information, the use of UIS in Turkey will be evaluated with a holistic SWOT analysis representing the whole country.

**REQUESTED:** For this purpose;

- The study will be held with a group of 1 or max.2 students. It will be sufficient for the group teams to indicate their names in the report they will submit. In addition, they do not need to declare the group name beforehand.

**Reminder..!** *Submission of the homework is a prerequisite for the final exam (Visa).*

- Explanation of the examination criteria to be selected to evaluate the UIS structure of metropolitan municipalities and the reasons for choosing these criteria,
- Separate SWOT analysis tables of each metropolitan municipality,
- The report that examines and interprets the situation that emerged as a result of the SWOT analyzes of the selected municipalities in general terms (**See the Appendix for the content of the REPORT**)

**SUBMIT TIME:** Information about homework submission is announced on the ninova system.

**FORMAT:** *Homework Report with A4 page size, 12 Times font size, 1.15 line spacing, left-right-top-bottom 2.5 cm spacing; It should be supported with the text part, tables, references, graphic and map examples. The report should be prepared “depending on the student's registered course code (Turkish or English)” and delivered in (.pdf) file format via the “ninova-on-line” link for the course within the specified time.*

**References that can be used within the scope of the assignment.**

- Websites of municipalities, [https://www.tbb.gov.tr/Tr/icerik\\_belediyeler\\_225](https://www.tbb.gov.tr/Tr/icerik_belediyeler_225)
- For SWOT analysis <http://sbpturkiye.com/swot-analizi.html> - <http://swotanalizi.com>
- [Reference article 3 in the](#) list of course resources .

**Good luck,**

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**APPENDIX: REPORT CONTENT – MAIN TITLES**

**COVER**

**CONTENTS**

**1. INTRODUCTION**

*(Presenting information about the purpose, introduction, development and conclusion of the report)*

**2. DETERMINATION OF PERFORMANCE MEASUREMENT CRITERIA**

*(In this section, the basic performance criteria that will be the basis for the evaluation and why they were selected should be presented together with their justifications)*

**3. SWOT ANALYSIS FOR METROPOLITAN MUNICIPALITIES**

3.1 Brief information about metropolitan municipality no. 1 and SWOT analysis table

3.2 Brief information about metropolitan municipality no. 2 and SWOT analysis table

3.3 Brief information about metropolitan municipality no. 3 and SWOT analysis table

3.4 Brief information about metropolitan municipality no. 4 and SWOT analysis table

3.5 Brief information about metropolitan municipality no. 5 and SWOT analysis table

**4. EVALUATION OF UIS/GIS SERVICES**

*(In this section, the results of the analyzes of the administrations analyzed above will be evaluated comparatively, and the positive and negative aspects of these municipal services will be discussed...)*

**5. UIS/GIS SWOT ANALYSIS FOR TURKEY**

*(In this section, the use of UIS/GIS across the country will be summarized with a SWOT table, this time with a generalization approach, and the table will be interpreted, with reference to the above SWOT analyzes...)*

**6. CONCLUSION AND RECOMMENDATIONS**

*(After presenting a summary of the study in this section, your requirements, and suggestions for the effective use of UIS/ GIS at the level of local governments should be briefly stated with a general assessment...)*

**7. REFERENCES**

**8. APPENDIX**