

**GIT Department of Computer Engineering**  
**CSE 222/505**  
**Spring 2013**  
**Homework 06**

**Huffman Trees**  
**Due date: April 29<sup>th</sup> 2013 17:00**

In this homework, you will not write any code or submit any printed results.

- Take a Turkish text of 80- words from a newspaper article or from web.
- Make a letter frequency table for the text such as in Table 8.8 of your textbook(2005 edition).
- Trace the Huffman Tree algorithm described in section 8.6 of the textbook for your text an table. Show each step clearly
- Make a table for the final Huffman Code table such as in Table 8.9
- Calculate how many bits you would save by coding the original text with this code.

Everything submitted in this homework should be handwritten. The submission will not be online, you should deliver your homework yourself to the TA.