



# ÇANKAYA UNIVERSITY

*Faculty of Art and Science*

*Department of Mathematics and Computer Science*

## **GENERAL FORMAT FOR THE COMPUTER – BASED GRADUATION PROJECTS DOCUMENTATION (MCS 491, MCS 492)**

***The graduation projects reports contains following parts***

### ***Introduction:***

- ❑ The studied computer-based application / problem should be introduced briefly.
- ❑ The objective / aim should be clearly stated.
- ❑ Programming structure should be described in terms of the selected language, selected OS platform, HW minimum requirement, used data structures, used file structure, used database engine and etc.

### ***Main Chapters: (Include following items)***

- ❑ Introduce to the project / model / problem in details. (Case study)
- ❑ Analyze and design steps. (Top-down / Bottom-up)
- ❑ Data-flow diagram and explanation.
- ❑ Control-flow diagram and explanation.
- ❑ File handling and system security.
- ❑ Networking support. (Single mode, Network, Web-based)
- ❑ Describe the user/s. (Their types and access levels)
- ❑ Describe the modules of the program with their input and output parameters.
- ❑ Show User interfaces, with using print screen of the frames and dialog boxes.
- ❑ Source code explanation. (Important parts only)

### ***Conclusion:***

- ❑ The last facilities of the studied application / problem should be mentioned.
- ❑ Advantages, disadvantages, obtained results, future developments should be clearly stated.
- ❑ Comparisons with the “examples in the literature” should be done.

## *Notifications*

- The reports can be written in any environment like MS-WORD, LATEX, PDF, etc.
- Use Time Roman font with pen size 14 for main texts.
- Reports must have following important pages.
  - ❖ Cover Page (Project Title, Student info, Instructor name, Date)
  - ❖ Content Page (With page numbers)
  - ❖ Acknowledgements
  - ❖ References
- Projects presentation consists of PowerPoint file and projects program running.
- Reports must hold a CD included all source files, data files, libraries, images and any necessary tools or utilities that is used in the project.