**\*PLANNING**

**1-The Aim Of The Project**

The main goal of the software is to meet many needs of Private Atu Hospital and to provide convenience to the user. It is a software to be used in the patient registration department, which can add patients in accordance with hospital requests, make appointments and ensure harmonious work between units.

This software ensures the most effective use of all the resources of the hospital, is managed and monitored by the computer, thus minimizing the loss of time.

**2- Objectives**

- Making appointments

-Registration of inspection

-Patient control procedures

-Doctor and manager control processes

-Doctor and patient list keeping

**3-Assumptions**

-It is assumed that the patient applied to the outpatient clinic

- Doctors are assumed to have basic computer knowledge

-Private Atu Hospital users are assumed to have basic computer knowledge

**4-Impediments**

- In the first registration of the patient, TR Identity Number entry should be mandatory. The field must be 11 digits and numeric.

**\*** **METHODS AND TOOLS**

-**METHODS**

While developing the software, we used the iterative software development process, which is one of the software development processes. Because such development processes are more useful in such projects. This process allows us to go back to the beginning when we need to add or edit new information at every stage of the project. Since it consists of modules in systems such as hospital automation, the Iterative Software Process is the most appropriate in terms of checking its compatibility with another module.

-**TOOLS**

SQLite database was chosen as the database.

As a software development language and tool; Python programming language and Qt Designer were preferred as the design tool. Relational database and diagram were created with Microsoft Sql Server.

GitHub is used as the version control system. Reliable storage of the codes we wrote, following the versions, meeting the needs of the contributors in the development of the code were met.

**-SOURCES LIST**

<https://doc.qt.io/qtforpython/index.html>

https://docs.python.org/3.5/