

ADANA ALPARSLAN TURKES SCIENCE AND TECHNOLOGY UNIVERSITY
MANAGEMENT INFORMATION SYSTEMS
MIS 301 SOFTWARE ENGINEERING

Student Dormitory Automation

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Student Dormitory Automation

We have developed a turnstile access control tracking automation that works with a fingerprint device specially prepared for private and public student dormitories. Automation helps to easily follow the student turnstile entry and exit procedures. With the dormitory student attendance tracking program, especially student information, permission information, room status information and all related reports are available.

It is very important to monitor the continuity of the students in the dormitories and at what time they enter or leave the dormitory. this system must be done online with software and device. The online dormitory tracking automation program, which will be installed on the computer with the fingerprint reader on the turnstiles installed at the points where students enter and exit, works integrated.

As soon as the student scans her finger and gets approval from the device, her name, surname and photo will be transferred to the software instantly online.

With this system, a security audit control system is formed in the dormitory.

Which reports can be obtained with dormitory tracking automation?

Student Details List

Student Cell Phone List

Student Address List

List Of Incoming Students

Student Check-In List

List Of Absent Students

Student Daily Attendance List

Student Weekly Attendance List

With the update to our dormitory tracking automation software, all accounting transactions and personnel table of the dormitory will be added.

We wrote the automation software in c# language. The software was developed in visual studio environment. The software will be installed on the computer in the form of a program.

The administrative staff of the dormitory will be able to log in to the automation by registering.

The interface of our automation is as follows:

The screenshot displays the Microsoft SQL Server Management Studio interface. The background shows a table with columns: ogrId, ogrAdi, ogrSoyadi, ogrTc, ogrTelefon, ogrDogum, ogrOdano, ogrBolum, ogrMail, ogrVeliAdi, ogrVeliTelefon, and ogrVeliAdres. The foreground features a data entry form with the following fields and values:

Field	Value
Öğrenci Ad:	Muhammed Sefa
Öğrenci Soyad:	ÇİLO
TC:	12345678900
Telefon Numarası:	(+23) 456-7890
Öğrencinin doğum tarihi:	11.11.1997
Bölümü:	Yönetim Bilişim Sistemleri
Mail:	sefacilo8@gmail.com
Oda No:	304
Veli Adsoyad:	ali
Veli Telefon Numarası:	(+23) 456-4789
Öğrenci Adres:	Kahramanmaraş

A "Kaydet" (Save) button is located at the bottom right of the form.