

ABSTRACT

The master's dissertation consists of a list of abbreviations, an introduction, four chapters, conclusions of the bibliography and appendices. The project contains 52 pages, 26 figures, 12 sources and 33 tables.

The aim of the master's dissertation was to design an automated air quality control system. During the writing of the dissertation, a review of existing devices and methods of air quality control was conducted.

The design section described the main components of the system, calculated the concentration of dust in the air and humidity, calculated the gas sensor, made a block diagram of the device.

Key words: Smart Life, air, automation, quality, dust, gas, humidity.