# Project 3

Mircea-Ionuț Meche

Teodora Opriș

Vlad-Ștefan Moreanu

441G

*Faculty of Electronics, Telecommunications and Information Technology*

*UNSTPB*

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# 1 Project description

Transmission of a message from a smartphone to an Ardunino UNO board via Bluetooth and displaying the message on an LCD.

Using MIT App Inventor (or something similar) an Android application will be created which will connect through Bluetooth to the Arduino board. The message will be recieved as a string and displayed on the LCD. If said string contains a keyword (e.g. ETTI) an LED will be lit for a few seconds.

Hardware: Arduino UNO, Bluetooth module, LCD;

Software: C/C++, App Inventor;

## 1.1 Hello!

SoftwareSerial library[1], LiquidCrystal library[2].

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# Bibliography

[1]  ***. *SoftwareSerial - Arduino Reference*. URL: https://docs.arduino.cc/learn/built-in-libraries/software-serial (visited on 11/10/2023).

[2]  ***. *LiquidCrystal - Arduino Reference*. URL: https://www.arduino.cc/reference/en/libraries/liquidcrystal/ (visited on 11/07/2023).