FACULTY OF ENGINEERING

Course title: **MOBILE PROGRAMMING ENGINEERING I**

Practical work 1: Introduction

1. Become familiar with the Android Studio environment - online resources:
   * Setting up Android Studio (<https://developer.android.com/studio/install>)
   * Using Android Studio (<https://developer.android.com/studio/intro>)
   * Android Emulator (<https://developer.android.com/studio/run/emulator>)
   * Connecting device (<https://developer.android.com/studio/run/device>)
2. Develop the first application:
   * Each member of a group develops an application “Hello world”
     + The application must display the following text:
       - “This is the first application from Group <group number>:
         * <name surname 1>
         * <name surname 2>
         * <name surname 3>
       - And the application was developed by < name surname x>”
   * The final result of the practical assignment is a Word document includes:
     + List of resources the application contains;
     + Content of MainActivity.java (or .kt), main.xml, strings.xml, AndroidManifest.xml
     + Result: an app screenshot
3. Submitting the practical assignment:
   * use the MS WORD template available in the course materials (\_mpi2020\_group00\_pw0\_document\_example.docx). Rename the document accordingly; include the correct group number and the number of the practical assignment;
   * The submitted file submitted must include a **description** of the developed application. **Screenshots** and **important source code** sections have to be placed in the file attachment (**additionally**: the source code has to be stored on an online repository – Github, Bitbucket, Gitlab or any alternative; and the document has to contain the address to the repository). The **title page**, **footer**, **content** has to be updated. The sections "**Document changelog**” and “**Contacts**” have to contain valid information. If there are no **attachments,** the section can be removed. The end result is ONE repository with as many branches as there are group members. Each group member adds his branch to the repository (remember that the history does exist and it is possible to see who pushed files).
   * **Email’s subject: MPI-1 2020 G00 PA-1**