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| FACULTY: | Faculty of Electronics and Computer Science |
| FIELD OF STUDY: | Electronics and Telecommunications |
| ERASMUS COORDINATOR OF THE FACULTY: | Marcin Walczak, PhD |
| E-MAIL ADDRESS OF THE COORDINATOR: | marcin.walczak@tu.koszalin.pl |
| COURSE TITLE: | Computer Systems for Multimedia, Buildings and Vehicles - project |
| LECTURER’S NAME: | Paweł Poczekajło, PhD |
| E-MAIL ADDRESS OF THE LECTURER: | pawel.poczekajlo@tu.koszalin.pl |
| ECTS POINTS FOR THE COURSE: | 3 |
| ACADEMIC YEAR: | 2021/2022 |
| SEMESTER:  (W – winter, S – summer) | S |
| HOURS IN SEMESTER: | 30 |
| LEVEL OF THE COURSE:  (1st cycle, 2nd cycle, 3rd cycle) | 1st cycle |
| TEACHING METHOD:  (lecture, laboratory, group tutorials, seminar, other-what type?) | project |
| LANGUAGE OF INSTRUCTION: | English |
| ASSESSMENT METHOD:  (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?) | project work and written reports |
| COURSE CONTENT: | Realisation of a project with elements:  - Selected microcontroller (i.e. AVR, ARM, FPGA),  - Human-Machine Interface (control/display devices),  - Sensor devices,  - Working devices (i.e. relays, DC or stepper motors),  - IoT systems,  - Data interfacing and they analise,  - Wireless communication (i.e. WiFi, Bluetooth, IR),  - Multimedia devices (camera, audio, LCD).  - Network services and functions in cloud in control systems |
| ADDITIONAL INFORMATION: |  |

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