Slovenská technická univerzita v Bratislave
Fakulta informatiky a informačných technológií
Ilkovičova 2, 842 16, Bratislava 4

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Tímový projekt


# Export úloh z nástroja JIRA

**Vedúci projektu:** doc. Ing. Tibor Krajčovič, PhD.
**Spolupráca**: Ing. Lukáš Ondriga, Kistler Bratislava, s.r.o.
**Názov tímu:** TEST.IOT
**Členovia tímu:** Bc. Tomáš Bujna
Bc. Marián Ján Franko
Bc. Rastislav Kováč
Bc. Igor Labát
Bc. Miroslav Sabo
Bc. Filip Starý
Bc. Stanislav Širka
**Kontakt:** fiit.tp.tim15@gmail.com
**Akademický rok:** 2018/2019

| Summary | Issue key | Issue Type | Status | Assignee | Description | Epic Link | Epic Name | Sprint 1 | Sprint 2 | Sprint 3 | Sprint 4 | Sprint 5 | Sprint 6 | Sprint 7 | Sprint 8 | Sprint 9 | Story Points | Task type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Project goal | IOT-78 | Group | Group | | The goal of the porject is to enable automatic testing of measuring devices. For this purpose it is necessary to develop a device able to generate various analog and digital signals which will simulate sensors and device states. | | | | | | | | | | | | | |
| Robot Framework Tests | IOT-70 | Group | Group | | Examples of robot framework tests demonstrates the functionality of IoTester. | | | | | | | | | | | | | |
| Document how to use IoTester for devices other than ComoNeo | IOT-76 | Group | Group | | | | | | | | | | | | | | | |
| Design | IOT-74 | Group | Group | | | | | | | | | | | | | | | |
| Environment | IOT-71 | Group | Group | | First prototype of the device is used to test ComoNeo;Â<br><br>[https://www.kistler.com/en/applications/industrial-process-control/plastic-process-monitoring/injection-molding-process-control/process-monitoring-with-comoneo/] | | | | | | | | | | | | | |
| Configuration of digital signals | IOT-77 | Group | Group | | It is possible to set digital input signals over REST API. | | | | | | | | | | | | | |
| Configuration of various devices | IOT-73 | Group | Group | | REST API should not be ComoNeo specific. It should be possible to use the same data model for other devices. | | | | | | | | | | | | | |
| REST API | IOT-75 | Group | Group | | On the basis of ComoNeo analysis create a REST API interface. | | | | | | | | | | | | | |
| Configuration of analog signals | IOT-72 | Group | Group | | It is possible to configure analog signals over REST API. | | | | | | | | | | | | | |
| Tests integration into continuous integration system | IOT-60 | Group | Group | | | | | | | | | | | | | | | |
| IoTester architecture | IOT-69 | Group | Group | | Architecture of the IoTester software is documented. | | | | | | | | | | | | | |
| Robot framework integration | IOT-66 | Group | Group | | | | | | | | | | | | | | | |
| High level architecture | IOT-65 | Group | Group | | Architecture document contains high level view on PRU, ARM, beaglebone, robot framework and ComoNeo relations.Â | | | | | | | | | | | | | |
| Document how to use IoTester for ComoNeo | IOT-64 | Group | Group | | | | | | | | | | | | | | | |
| Architecture document | IOT-68 | Group | Group | | | | | | | | | | | | | | | |
| Hardware | IOT-63 | Group | Group | | Harware consists of reusable part and device specific part (e.g. ComoNeo connectors). | | | | | | | | | | | | | |
| Implementation | IOT-62 | Group | Group | | The goal of the implementation is to provide several working automated tests of the ComoNeo device. | | | | | | | | | | | | | |
| Housing | IOT-61 | Group | Group | | 3D printer housing modelsÂ is designed. | | | | | | | | | | | | | |
| Robot Framework tests | IOT-67 | Group | Group | | | | | | | | | | | | | | | |
| Test examples Implementation | IOT-55 | Group | Group | | | | | | | | | | | | | | | |
| IoTester implementation | IOT-58 | Group | Group | | | | | | | | | | | | | | | |
| Software | IOT-59 | Group | Group | | | | | | | | | | | | | | | |
| Project goal | IOT-57 | Group | Group | | | | | | | | | | | | | | | |
| Documentation | IOT-56 | Group | Group | | REST API is documented. Documentation contains description how to use the interface for different devices (not Lukáš Ondrigav for ComoNeo). | | | | | | | | | | | | | |
| Update REST API | IOT-149 | Sub-task | To Do | | | | | | | | | | | | IOT Sprint 8 | IOT Sprint 9 | | |
| Update REST API | IOT-140 | Sub-task | Closed | Tomáš Bujna | [https://git.kistler.com/FIIT/iotester/blob/master/RTU/Flask/REST%20API%20-%20final.py]<br><br>PlatÃ- konvencia ukladania do Shared Memory ako bolo dohodnutÃ© | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | IOT Sprint 8 | IOT Sprint 9 | | |
| REST API for analog output of IoTester | IOT-83 | Story | To Do | | As a user of IoTester I want to be able to set the analog and digital outputs.<br><br>Acceptance criteria:<br>* IoTester Rest API provides a call which allows to set digital and analog outputs of ioTester<br>* The Rest API handler sends the data as a message to RTU<br><br>HINT:<br><br>The handler can prepare the data in a "RTU friendly" form. | IOT-36 | | | | | | | | | IOT Sprint 8 | IOT Sprint 9 | 13.0 | |
| Run ComoNeo measurement with one curve | IOT-117 | Story | To Do | | As a user I want to test the measured data on ComoNeo.<br><br>Acceptance criteria:<br>* one curve is set from REST API to the PRU<br>* the curve contains 100 points<br>* the curve is displayed on ComoNeo | IOT-36 | | | | | | | | | | IOT Sprint 9 | 21.0 | |
| Run ComoNeo measurement | IOT-92 | Story | In Progress | | As a user of IoTester I want to be able toÂ run measurement on ComoNeo<br><br>Acceptance criteria:<br>* PRU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter<br>* The dac value is possible to set via REST API<br>* Robot Framework test checks if the cycle started and checks if the value is as expected | IOT-36 | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | IOT Sprint 8 | IOT Sprint 9 | 8.0 | |
| PRU Reads Data Stored to Shared Memory | IOT-138 | Sub-task | In Progress | Rastislav Kováč | | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | IOT Sprint 8 | IOT Sprint 9 | | |
| PRU Generates Analog Signal from REST API | IOT-139 | Sub-task | In Progress | Filip Starý | | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | IOT Sprint 8 | IOT Sprint 9 | | |
| Automatic Image Boot from SD Card | IOT-148 | Story | Closed | Rastislav Kováč | As a IoTÃ tester I want to image from SD card boot automatically.<br><br>Ã Acceptacne criteria:<br>* image from SD card is booted on BBB startup | IOT-89 | | | | | | | | | IOT Sprint 8 | | 8.0 | |
| COMONEO Test | IOT-141 | Sub-task | In Progress | Marián Ján Franko | | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | IOT Sprint 8 | IOT Sprint 9 | | |
| Deployment | IOT-89 | Epic | To Do | | | | Deployment | | | | | | | | | | | |
| PRU Shared Memory | IOT-121 | Story | Closed | | {color:#333333}As a developer I want toÂ write/read data into/from shared memory of PRU so that we can store data for signal generation.{color} | IOT-36 | | | | | | | | IOT Sprint 7 | IOT Sprint 8 | | 13.0 | |
| Documentation for PRU Shared Memory | IOT-130 | Sub-task | Closed | Stanislav Šírka | | | | | | | | | | IOT Sprint 7 | IOT Sprint 8 | | | |
| Interfaces Design | IOT-91 | Story | Closed | | As a developer of IoTester I need a design of the communication message between PRU and CPU.<br><br>Acceptance criteria:<br>* message should be easy to use for PRU (no parsing, no caching in PRU, ...)<br>* message will support all digital outputs and analog outputs usable on IoTester<br>* documentation of the message - will contain reasoningÂ<br>* the basic idea how to create this message in CPU is described | IOT-36 | | | | | IOT Sprint 4 | IOT Sprint 5 | IOT Sprint 6 | IOT Sprint 7 | IOT Sprint 8 | | 13.0 | |
| Documentation fot Interface Design | IOT-129 | Sub-task | Closed | Igor Labát | | | | | | | IOT Sprint 4 | IOT Sprint 5 | IOT Sprint 6 | IOT Sprint 7 | IOT Sprint 8 | | | |
| Design Interface between CPU and PRU | IOT-105 | Sub-task | Closed | Igor Labát | | | | | | | IOT Sprint 4 | IOT Sprint 5 | IOT Sprint 6 | IOT Sprint 7 | IOT Sprint 8 | | | |
| Sprint 8 - Keep It Running | IOT-142 | Story | Closed | Stanislav Šírka | | | | | | | | | | | IOT Sprint 8 | | 3.0 | |
| Update Retrospective | IOT-145 | Sub-task | Closed | Stanislav Šírka | | | | | | | | | | | IOT Sprint 8 | | | |
| Presentation for End of Sprint 8 | IOT-147 | Sub-task | Closed | Stanislav Šírka | | | | | | | | | | | IOT Sprint 8 | | | |
| Split Stories to Sub-tasks | IOT-146 | Sub-task | Closed | Stanislav Šírka | | | | | | | | | | | IOT Sprint 8 | | | |
| Read data from shared memory from PRU | IOT-125 | Sub-task | Closed | Tomáš Bujna | | | | | | | | | | IOT Sprint 7 | IOT Sprint 8 | | | |
| Write data to shared memory from CPU | IOT-124 | Sub-task | Closed | Tomáš Bujna | | | | | | | | | | IOT Sprint 7 | IOT Sprint 8 | | | |
| Run program for CPU and PRU communication | IOT-123 | Sub-task | Closed | Tomáš Bujna | | | | | | | | | | IOT Sprint 7 | IOT Sprint 8 | | | |
| Export Tasks for Start of Sprint 8 | IOT-144 | Sub-task | Closed | Stanislav Šírka | | | | | | | | | | | IOT Sprint 8 | | | |
| Export Tasks for End of Sprint 7 | IOT-143 | Sub-task | Closed | Stanislav Šírka | | | | | | | | | | | IOT Sprint 8 | | | |
| Documentation | IOT-137 | Sub-task | To Do | | | | | | | | | | | | IOT Sprint 8 | IOT Sprint 9 | | |
| Comment Code | IOT-136 | Sub-task | To Do | | | | | | | | | | | | IOT Sprint 8 | IOT Sprint 9 | | |
| Comment Prototype Code | IOT-135 | Sub-task | To Do | | | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | IOT Sprint 8 | IOT Sprint 9 | | |
| Push Code to GIT | IOT-133 | Sub-task | To Do | | | | | | | | | | | | IOT Sprint 8 | IOT Sprint 9 | | |
| Push Prototype Code to GIT | IOT-132 | Sub-task | To Do | | | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | IOT Sprint 8 | IOT Sprint 9 | | |

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| Analyze shared memory | IOT-122 | Sub-task | Closed | Tomáš Bujna | | | | | | | | | | IOT Sprint 7 | IOT Sprint 8 | | | |
| Send Data to SPI | IOT-96 | Story | Closed | | As a developer of IoTester I need to send a simple message to SPI interface<br><br>*Acceptance criteria:*<br><br>* prepare a simple program to work with SPI interface - the program is compilable and possible to load into PRU<br>* enabled SPI and GPIOs which are necessary to control DAC in the device tree<br>* send simply message to SPI interface (possible to measure it by an oscilloscope) | IOT-36 | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | | | 13.0 | |
| Test SPI without PRU | IOT-120 | Sub-task | Closed | | | | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | | | |
| Send constant data to SPI interface | IOT-106 | Sub-task | Closed | | | | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | | | |
| Compile and Run Simple SPI program | IOT-98 | Sub-task | Closed | Filip Starý | | | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | | | |
| BBB for All | IOT-118 | Sub-task | Closed | Rastislav Kováč | * Actual SD card image<br>* Code composer<br>* Connect to BBB<br><br>All informations are in pdf file<br><br>Added tutorial for updating device tree on sd card | | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | | | |
| Close sprint 6 | IOT-126 | Task | Closed | Stanislav Šírka | | IOT-36 | | | | | | | | | IOT Sprint 7 | | | |
| Prepare for End of Sprint 7 | IOT-128 | Task | Closed | Stanislav Šírka | | IOT-36 | | | | | | | | | IOT Sprint 7 | | | |
| Effective Retrospective | IOT-127 | Task | Closed | Stanislav Šírka | | IOT-36 | | | | | | | | | IOT Sprint 7 | | | |
| Test analog inputs on ComoNeo | IOT-36 | Epic | To Do | | As a user I want to be able to test an analog output on IoTester to be able to test analog input of ComoNeo.<br><br>Acceptance criteria:<br>* test in robot framework:<br>** configures IoTester to send an analog signal<br>** checks if the signal was measured by ComoNeo | | ComoNeo Analog Inputs | | | | | | | | | | | |
| Finalyze interface between COMONEO and BBB | IOT-104 | Sub-task | Closed | Tomáš Bujna | https://git.kistler.com/FIIT/iotester/tree/RF/BBB/RESTAPI | | | | | | IOT Sprint 4 | IOT Sprint 5 | IOT Sprint 6 | IOT Sprint 7 | IOT Sprint 8 | | | |
| Setup Device Tree | IOT-97 | Sub-task | Closed | Rastislav Kováč | Time: 8h<br><br>Setup Device Tree<br><br>Set pins 190/194/198/19c to mode 0x03<br><br>[Result|https://files.slack.com/files-pri/TCZR1HLDT-FGK3ZH075/pins.png]<br><br>Ã | | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | | | |
| Measure PRU message size limit | IOT-107 | Sub-task | Closed | Tomáš Bujna | https://git.kistler.com/FIIT/iotester/tree/IOT-107/IOT-107%20%5BMeasure%20PRU%20message%20size%20limit%5D | | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | | | |
| Calculate if we are able to write the whole curve to PRU | IOT-119 | Sub-task | Closed | Tomáš Bujna | | | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | | | |
| Analyze Memory Limit of PRU | IOT-103 | Story | Closed | | As a developer of IoTester I need to measure the size limit of PRU message system<br><br>Acceptance criteria:<br><br>* measure PRU message size limit<br>* measure if we are able to write the whole curve to PRU | IOT-36 | | | | | | | | IOT Sprint 6 | IOT Sprint 7 | | | 5.0 | |
| Decide on Our Guidelines | IOT-29 | Task | Closed | | | | | | | | | | | | | | | |
| Analyze Analog Output of DAC | IOT-99 | Story | Closed | | As a developer of IoTester I need to have a basic understanding of how to communicate with DAC, how to setup DAC to get desire analog value<br><br>* analyze how the DAC chip is connected to the board (SPI, GPIOs) - which BBB pins are used to control DAC - as an output prepare a simple sketch of PIN description<br><br>* analyze how to use DACsÃ [http://www.ti.com/lit/ds/symlink/dac8734.pdf]<br># what data should be sent via SPI interface to get desired analog value.<br># how to command DAC to set the analog output<br><br>* team understands the concept of daisy-chain Ã [https://www.maximintegrated.com/en/app-notes/index.mvp/id/3947] | IOT-36 | | | | | | | | IOT Sprint 6 | | | | 5.0 | |
| Create a test for ComoNeo analog input | IOT-82 | Story | To Do | Marián Ján Franko | As I user I want to generate analog output on IoTester and test the behaviour of ComoNeo firmware.<br><br>Acceptance criteria:<br>* Test sets the measurement start of the ComoNeo to a pin connected to IoTester<br>* Test sets the analog output values to the IoTester (e.g. in 10 secondsÃ sets 10 different values)<br>* Test starts the measurement with digital output of IoTester<br>* Test checks the values using cursor in ComoNeo web application (see the attachment) | IOT-36 | | | | | | | | | IOT Sprint 7 | | | | |
| Design REST API | IOT-42 | Story | To Do | | As a user of IoTester I need the documentation of REST API to be able to use this interface.<br><br>Acceptance criteria:<br>* REST API is not ComoNeo specific<br>* REST API enables to set digital and analog outputs of IoTester<br>* Documentation of REST APIÃ<br><br>Ã<br><br>Hint:<br><br>Analyse the data used in ComoNeo software simulator:<br><br>[https://git.kistler.com/comong/comong-software/tree/master/Core/lib/Fpga/Simulator]<br><br>Various configurations of software simulator are available here in ApplicationFiles/Simulator folders:<br><br>[https://git.kistler.com/comong/comong-software/tree/master/Testing/RestApi-Robot/Setups]<br><br>Ã | IOT-40 | | | | | | | | | | | | | |
| Enable multiple digital and analog outputs | IOT-86 | Story | To Do | | As a user I want to use all analog and digital outputs of IoTester to be able to control ComoNeo.<br><br>Acceptance criteria:<br>* Rest API is extended so that it allows configuration of all digital and analog outputs<br>* RTU executes the configuration according defined timing | IOT-40 | | | | | | | | | | | | | |

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| ComoNeo simulator data conversion | IOT-85 | Story | To Do | | As a ComoNeo tester I want to be able to take the data for ComoNeo simulator and configure with the IoTester<br><br>Acceptance criteria:<br>* Robot framework keyword which will load configuration from ComoNeo fpga simulator and configures IoTester via Rest API<br><br>ComoNeo Simulator input data description:<br><br>[https://git.kistler.com/comong/comong-software/tree/master/Core/lib/Fpga/Simulator]<br><br>ComoNeo Simulator input data examples:<br><br>[https://git.kistler.com/comong/comong-software/tree/release-3.0/Testing/RestApi-Robot/Setups/2molds/ApplicationFiles/Simulator]<br><br>[https://git.kistler.com/comong/comong-software/tree/master/Testing/RestApi-Robot/Setups/8c1p/ApplicationFiles/Simulator]<br><br>Â<br><br>Â | IOT-40 | | | | | | | | | | | | | |
| Prepare Document for Board Design | IOT-49 | Story | In Progress | Miroslav Sabo | As a hardware engineer, IÂ want to create document for board design, so that we can use it as a guideline for creating final design of our new board.Â | IOT-1 | | | | IOT Sprint 3 | | | | | | | 8.0 | |
| Kistler VPN Access | IOT-28 | Task | Closed | Lukáš Ondriga | | | | IOT Sprint 1 | IOT Sprint 2 | | | | | | | | | |
| Start webserver automaticaly | IOT-116 | Story | To Do | | As a user I want to have access to the IoTester REST API after boot.<br><br>Acceptance criteria:<br>* IoTester python webserver is added to Yocto build<br>* REST API is available after IoTester boot. | IOT-89 | | | | | | | | | | | | |
| Load PRU exe automaticaly | IOT-115 | Story | To Do | | As a user I want to have the PRU software loaded automaticaly after boot.<br><br>Acceptance criteria:<br>* PRU application is added to Yocto build<br>* after the boot of generated image the PRU application is started | IOT-89 | | | | | | | | | | | | |
| Configure device tree for SD card image generation | IOT-114 | Story | To Do | | As a user of IoTester I want my device to be configured automaticaly with the correct device tree.<br><br>Acceptance criteria:<br>* device tree configuration added to Yocto layer<br>* generated image can boot and device tree is configured in correct way (e.g. spi bits have correct mode) | IOT-89 | | | | | | | | | | | | |
| Add flusk into SD card image generation | IOT-113 | Story | To Do | | As a developer of IoTester I need SD card image which contains flusk to be able to develop IoTester application.<br><br>Acceptance criteria:<br>* new layer added to yocto configuration<br>* image configuration including flusk added<br>* generated image can be load to the sd card and the flusk is installed | IOT-89 | | | | | | | | | | | | |
| SD card image generation | IOT-81 | Story | To Do | | As a developer I need to be able to generate new SD card image.<br><br>Acceptance criteria:<br>* Script for building SD card image from existing yocto configuration for TI Processors SDK is created<br>* Script is available in Git repository<br>* It is possible to load generated image to the SD card and run it on BBB | IOT-89 | | | | | | | | | | | | |
| Update Retrospective in Trello | IOT-111 | Task | Closed | Stanislav Šírka | | | | | | | | | IOT Sprint 6 | | | | | |
| Prepare Presentation for Sprint 6 | IOT-110 | Task | Closed | Stanislav Šírka | | | | | | | | | IOT Sprint 6 | | | | | |
| Refactoring HW for better compactness | IOT-1 | Epic | To Do | | | | IoTester Refactoring | | | | | | | | | | | |
| New informations in JIRA Tasks | IOT-112 | Task | Closed | Stanislav Šírka | | | | | | | | | IOT Sprint 6 | | | | | |
| Export JIRA Tasks for Sprint 6 Start | IOT-109 | Task | Closed | Stanislav Šírka | | | | | | | | | IOT Sprint 6 | | | | | |
| Understands daisy-chain concept | IOT-102 | Sub-task | In Progress | Igor Labát | | | | | | | | | IOT Sprint 6 | | | | | |
| Basic understanding of DAC | IOT-100 | Sub-task | Blocked | Igor Labát | | | | | | | | | IOT Sprint 6 | | | | | |
| Understand how the DAC chip is connected to the board (SPI, GPIOs) | IOT-101 | Sub-task | Blocked | Miroslav Sabo | | | | | | | | | IOT Sprint 6 | | | | | |
| Create Project Documentation for ZS | IOT-95 | Story | Closed | Stanislav Šírka | | | | | | | | IOT Sprint 5 | | | | | 8.0 | |
| Digital Input Test Integration | IOT-90 | Story | Closed | Stanislav Šírka | | IOT-2 | | | | | IOT Sprint 4 | IOT Sprint 5 | | | | | 13.0 | |
| Model Architecture for Project | IOT-80 | Task | Closed | Stanislav Šírka | | | | | | IOT Sprint 3 | IOT Sprint 4 | | | | | | | documentation |
| Program for RTUexe Configuration | IOT-9 | Story | Closed | Filip Starý | As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input.<br><br>Acceptance criteria:<br><br>Running RTU program which sets the digital output of IOTester according configuration from CPU. | IOT-2 | | | | | IOT Sprint 4 | | | | | | 8.0 | |
| Create First Document for Project | IOT-93 | Story | Closed | Stanislav Šírka | | | | | | | IOT Sprint 4 | | | | | | 8.0 | |
| Close Sprint 3 | IOT-94 | Task | Closed | Stanislav Šírka | | | | | | | IOT Sprint 4 | | | | | | | |
| Testing digital inputs on ComoNeo | IOT-2 | Epic | To Do | | | | ComoNeo Digital Inputs | | | | | | | | | | | |
| Create Team Poster | IOT-26 | Task | Closed | | | | | | | | | | | | | | | documentation |
| Decide on Continuous Server | IOT-22 | Task | Closed | | | | | | | | | | | | | | | |
| Call Program on RTU from CPU | IOT-19 | Task | Closed | | | IOT-2 | | | | | | | | | | | | implementation |
| Analyze Communication Between RTU and CPU | IOT-18 | Task | Closed | | | IOT-2 | | | | | | | | | | | | analysis |
| Analyze RTU | IOT-13 | Task | Closed | | | IOT-2 | | | | | | | | | | | | analysis |
| Choose Simple Program for RTU | IOT-16 | Task | Closed | | | IOT-2 | | | | | | | | | | | | analysis |
| RTU and Web Server Compatibility | IOT-14 | Task | Closed | | | IOT-2 | | | | | | | | | | | | analysis |
| Load Program to RTU | IOT-17 | Task | Closed | Igor Labát | As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input.<br><br>Acceptance criteria:<br><br>Running RTU program which sets the digital output of IOTester according configuration from CPU. | IOT-2 | | IOT Sprint 1 | IOT Sprint 2 | IOT Sprint 3 | | | | | | | | implementation |
| Methodics | IOT-44 | Story | Closed | Stanislav Šírka | Create methodic for:<br>* Meeting Documentation<br>* Tasks managment - done<br>* Methodics - done<br>* Code versioning - done<br>* Web - done | | | IOT Sprint 1 | IOT Sprint 2 | IOT Sprint 3 | | | | | | | 3.0 | |
| RTU and CPU Communication | IOT-8 | Story | Closed | Filip Starý | As a user I need to configure real time simulation to run various simulations.<br><br>Acceptance criteria:<br><br>RTU and CPU prototype is running on Beaglebone Linux console. | IOT-2 | | IOT Sprint 1 | IOT Sprint 2 | IOT Sprint 3 | | | | | | | 5.0 | |
| Load RTUexe | IOT-7 | Story | Closed | Igor Labát | As a user I need to do a real time simulation to be able to simulate sensor measurements.<br><br>Acceptance criteria:<br><br>Loading of the program to the real time unit will be shown on Linux console. | IOT-2 | | IOT Sprint 1 | IOT Sprint 2 | IOT Sprint 3 | | | | | | | 13.0 | |

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| Jenkins pipeline for installation image | IOT-88 | Story | To Do | | As a user I want try the latest changes of the IoTester firmware.<br><br>Acceptance criteria:<br>* Jenkins pipeline which will be trigerred by the change in a glit branch and will compose the IoTester firmware | IOT-89 | | | | | | | | | | | | |
| Create Project Specification | IOT-25 | Task | Closed | Lukáš Ondriga | | | | | | | | | | | | | | documentation |
| Analyze, design, implement REST API | IOT-40 | Epic | To Do | | | | REST API | | | | | | | | | | | |
| Manage Kistler resources for PCB design | IOT-53 | Task | Closed | Lukáš Ondriga | | | | | | IOT Sprint 3 | | | | | | | | |
| Create Document for Tasks Managment | IOT-52 | Task | Closed | Stanislav Šírka | | | | | | IOT Sprint 3 | | | | | | | | documentation |
| Presentation for Sprint 3 End | IOT-79 | Task | Closed | Stanislav Šírka | | | | | | IOT Sprint 3 | | | | | | | | |
| Close Sprint 2 | IOT-50 | Task | Closed | Stanislav Šírka | | | | | | IOT Sprint 3 | | | | | | | | |
| Create Document for Jira Changes | IOT-51 | Task | Closed | Stanislav Šírka | | | | | | IOT Sprint 3 | | | | | | | | documentation |
| REST API Prototype | IOT-10 | Story | Closed | Tomáš Bujna | As a user of IOTester I want to have interface to set the Como digital input to be able to configure IOTester.<br><br>Acceptance criteria:<br>* working webserver on beagleboard<br>* implemented simple post request with value of digital input (0 or 1)<br>* post request execution is logged to the console | IOT-2 | | | | IOT Sprint 3 | | | | | | | 3.0 | |
| Robot Framework LIB | IOT-11 | Story | Closed | Marián Ján Franko | As a test developer I want to have a library to use IOTester<br><br>Acceptance criteria:<br>* python module<br>* keywords to set Como digital inputs are implemented<br><br>HINT:Â implementation of the keywords are POST requests to the IOTester<br><br>POST request is implemented inÂ http://jira.kistler.com/browse/IOT-10 | IOT-2 | | | | IOT Sprint 3 | | | | | | | 5.0 | |
| Port IoTester specification to Jira | IOT-54 | Task | Closed | Lukáš Ondriga | | | | | | IOT Sprint 3 | | | | | | | | |
| Create a Test | IOT-12 | Story | Closed | Marián Ján Franko | As a user I want to test the ComoNeo digital input.<br><br>Acceptance criteria:<br><br>Test configures IoTester (library for IoTester configuration will be implemented in different user story)<br><br>Test checks the ComoNeo web application if the digital input was set.<br><br>Â | IOT-2 | | IOT Sprint 1 | IOT Sprint 2 | IOT Sprint 3 | | | | | | | 13.0 | |
| Analyze Board | IOT-3 | Story | Closed | Miroslav Sabo | As a hardware engineer I need to analyse the current board to be able to make the final design.<br><br>Acceptance criteria:<br><br>Document the current design of the board. | IOT-1 | | IOT Sprint 1 | IOT Sprint 2 | | | | | | | | 8.0 | |
| Close Sprint 1 | IOT-48 | Task | Closed | Stanislav Šírka | Close sprint 1.<br>Create sprint 2.<br>Export tasks from Jira. | | | | IOT Sprint 2 | | | | | | | | | |
| Create Team Website | IOT-30 | Story | Closed | Tomáš Bujna | | | | IOT Sprint 1 | | | | | | | | | 8.0 | |
| Print User Stories | IOT-47 | Task | Closed | Stanislav Šírka | | | | IOT Sprint 1 | | | | | | | | | | |
| Choose Web Server Technology | IOT-15 | Task | Closed | Rastislav Kováč | | IOT-2 | | IOT Sprint 1 | | | | | | | | | | |
| Technology for Linux (Web Server) | IOT-6 | Story | Closed | Rastislav Kováč | As a developer I want to select frameworks/technologies to be able to write REST API for BeagleBone Black real time unit configurations.<br><br>Acceptance criteria:<br><br>Document 3 alternatives with pros and cons. | IOT-2 | | IOT Sprint 1 | | | | | | | | | 5.0 | |
| Create Methodic for Methodics Document | IOT-45 | Task | Closed | Stanislav Šírka | | | | IOT Sprint 1 | | | | | | | | | | documentation |
| Export Data From Jira - Sprint 1 Start | IOT-46 | Task | Closed | Stanislav Šírka | | | | IOT Sprint 1 | | | | | | | | | | |
| Add Tasks to Jira | IOT-20 | Task | Closed | Stanislav Šírka | Subtasks left:<br>* Create Sprint - done<br>* Add tasks to Sprint - done<br>* Add task owners - done | | | IOT Sprint 1 | | | | | | | | | | |
| Share Google Drive | IOT-24 | Task | Closed | | | | | | | | | | | | | | | |
| Write TP1 Requirements | IOT-32 | Task | Closed | Stanislav Šírka | | | | | | | | | | | | | | |
| Study SCRUM | IOT-33 | Task | Closed | Stanislav Šírka | | | | | | | | | | | | | | |
| Create Team Chat | IOT-23 | Task | Closed | | | | | | | | | | | | | | | |
| Update Trello | IOT-31 | Task | Closed | Stanislav Šírka | | | | | | | | | | | | | | |
| Decleration Documents | IOT-27 | Task | Closed | | | | | | | | | | | | | | | documentation |
| Study Poker Cards | IOT-34 | Task | Closed | Stanislav Šírka | | | | | | | | | | | | | | |
| Study Story Points | IOT-35 | Task | Closed | Stanislav Šírka | | | | | | | | | | | | | | |
| Create Team GIT | IOT-21 | Task | Closed | | | | | | | | | | | | | | | |