Slovenská technická univerzita v Bratislave Fakulta informatiky a informačných technológií

Ilkovičova 2, 842 16, Bratislava 4

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

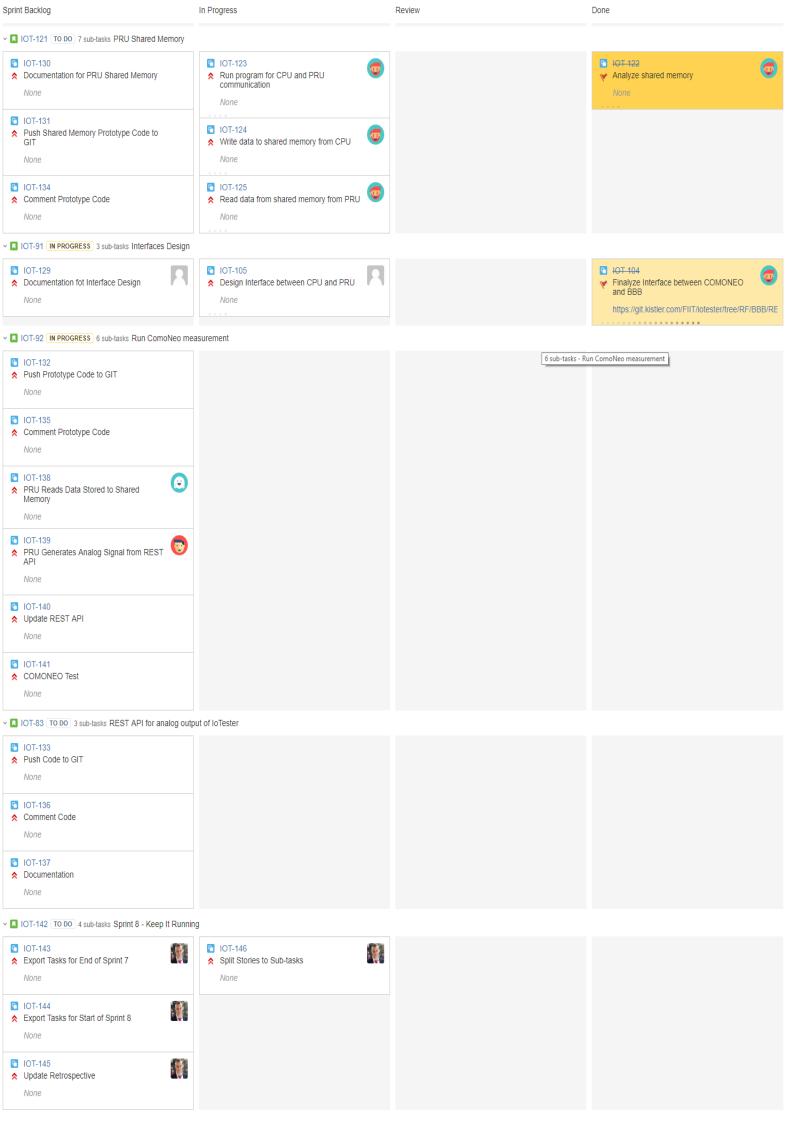
Bc. Miroslav Sabo

Bc. Filip Starý

Bc. Stanislav Širka

Kontakt: fiit.tp.tim15@gmail.com

Akademický rok: 2018/2019



Part	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	Story Points	Task type
Marchane 1968 1968 1968 1969 196	Project goal	IOT-78	Group	Group		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												
Marchane 1988	use IoTester for devices other than	IOT-76	Group	Group														
Company	Design	IOT-74	Group	Group		First prototype of the device is used to test												
Marchane 1975 197	Environment	IOT-71	Group	Group		ComoNeo:Â [Inttps://www.kistler.com/en/applications/industrial-process-control/plastic-process-monitoring/injection-molding-process-control/process-monitoring-with-												
The content	REST API	IOT-75	Group	Group														
Company	Tests	IOT-70	Group	Group														
Company	digital signals																	
Selection of Selection	analog signals	IOT-72	Group	Group		API.												
Companies Comp	various devices					be possible to use the same data model for other												
Part		IOT-64	Group	Group														
Secondary Control Co	into continuous	IOT-60	Group	Group														
Note 19	Implementation	IOT-62	Group	Group														
Matter Name	Housing	IOT-61	Group	Group														
March Common Marc	Hardware	IOT-63	Group	Group		Harware consists of reusable part and device specific part (e.g. ComoNeo connectors).												
Note of the control o		IOT-66	Group	Group														
Part	Robot Framework	IOT-67	Group	Group														
March 1976	Architecture	IOT-68	Group	Group														
Marchane	architecture	IOT-65	Group	Group		PRU, ARM, beaglebone, robot framework and												
Properties 10-55 Comp.	architecture					Architecture of the IoTester software is documented.												
Decomposition Control	implementation																	
Second				· ·		description how to use the interface for different												
Spirit Stores Sub- Contact Con	IoTester																	
Reformation Total	Split Stories to Sub- tasks	IOT-146	Sub-task	In Progress	G0255											IOT Sprint 8		
Solid Service Solid Servic	Retrospective																	
Seed Spring 10 12 13 15 15 15 15 15 15 15	Start of Sprint 8																	
PNU Generators No.1-19	Sprint 8 - Keep It				00233												3.0	
PRU Beach Data Memory Me	PRU Generates Analog Signal from	IOT-139	Sub-task	To Do	G0257											IOT Sprint 8		
Memory COMONEO Test 07-141 Sub-bask To Do	PRU Reads Data	IOT-138	Sub-task	To Do	G0261											IOT Sprint 8		
Documentation Divide Documentation Divide Divid	Memory COMONEO Test	IOT-141	Sub-task	To Do												IOT Sprint 8		
Comment Prototype Code Comment Prototype Code Comment Code	Documentation	IOT-137	Sub-task	To Do												IOT Sprint 8		
Prototype Code 107-134 Sub-task To Do	Comment																	
Push Golds GGT 10T-131 Sub-task To Do	Comment														IOT Sprint 7			
Memory OT-131 Sub-task To Do Contentation For Port Prototype Code to OT-132 Sub-task To Do Contentation OT-132 Sub-task To Do Commentation OT-132 Sub-task To Do Commentation OT-132 Sub-task To Do OT-132 Sub-task OT-132 Sub-tas	Push Code to GIT	IOT-133	Sub-task	To Do											IOT Sprint 8			
Push Prototype Code to GIT Code to GIT Run ComoNeo measurement IOT-92 Story In Progress As a user of loTester I want to be able to A run measurement on ComoNeo Acceptance refrair "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter "RU application sets measurement start digital input of ComoNeo and sets one v	Memory	IOT-131	Sub-task	To Do											IOT Sprint 7	IOT Sprint 8		
As a user of loTester I want to be able to A run measurement on ComoNeo Maceptance criteria: *PRU application sets measurement starf digital input of ComoNeo and sets one value to the DAC converter *The dac value is possible to set via REST API *Robot Framework test checks if the cycle started and check if the value is as expected **Documentation for PRU Shared Memory **Documentation for PRU Shared M	GIT Push Prototype	IOT-132	Sub-task	To Do												IOT Sprint 8		
Run ComoNeo measurement IOT-92 Story In Progress	Code to GIT	132	task	.000												эргин 8		
for PRU Shared OT-120 Sub-task To Do	measurement	IOT-92	Story	In Progress		measurement on ComoNeo Acceptance criteria: * PRU application sets measurement start digital input of ComoNeo and sets one value to the DAC converter * The dax value is possible to set via REST API * Robot Framework text checks if the cycle started	IOT-36									IOT Sprint 8	8.0	
Documentation for Interface Design 107-129 Sub-task To Do G0259 IOT Sprint 8 IOT Sprint 8 </td <td>for PRU Shared</td> <td>IOT-130</td> <td>Sub-task</td> <td>To Do</td> <td></td> <td>IOT Sprint 7</td> <td>IOT Sprint 8</td> <td></td> <td></td>	for PRU Shared	IOT-130	Sub-task	To Do											IOT Sprint 7	IOT Sprint 8		
Analyze shared 107-129 Sub-task Closed 60054 107 Sprint 7 107 Sprint 8	Documentation fot	IOT-129	Sub-task	To Do	G0259											IOT Sprint 8		
		IOT-122	Sub-task	Closed	G0254										IOT Sprint 7	IOT Sprint 8		

REST API for analog output of IoTester	IOT-83	Story	To Do		As a user of loTester I want to be able to set the analog and digital outputs. Acceptance criteria: Acceptance criteria: IoTester Rest API provides a call which allows to set digital and analog outputs of loTester **	IOT-36							IOT Sprint 8	21.0	
PRU Shared Memory	IOT-121	Story	To Do		{color:#333333}As a developer I want toÅ 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		
Interfaces Design	ЮТ-91	Story	In Progress	G0255	As a developer of loTester I need a design of the communication message between PRU and CPU. Acceptance criteria: "message should be easy to use for PRU (no parsing, no caching in PRU,) "message will support all digital outputs and analog outputs usable on loTester "documentation of the message - will contain reasoning." "the basic idea how to create this message in CPU is described	ЮТ-36						IOT Sprint 7	IOT Sprint 8	13.0	
Send Data to SPI	ЮТ-96	Story	Closed		As a developer of IoTester I need to send a simple message to SPI interface "Acceptance criteria:" "prepare a simple program to work with SPI interface - the program is compilable and possible to load into PRU "enabled SPI and GPIOs which are necessary to control DAC in the device tree "send simply message to SPI interface (possible to measure it by an oscilloscope)	ЮТ-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	IOT-106	Sub-task	Closed								IOT Sprint 6	IOT Sprint 7			
Compile and Run	IOT-98	Sub +	Closed	G0257							IOT Sprint C	IOT Soviet 7			
Simple SPI program	101-98	Sub-task	Closed	G0257							IOT Sprint 6	io i sprint 7			
BBB for All	IOT-118	Sub-task	Closed	G0261	* Actual S0 card image * Code composer * Connect to BBB All informations are in pdf file Added tutorial for updating device tree on sd card						IOT Sprint 6	IOT Sprint 7			
Close sprint 6	IOT-126	Task	Closed	G0255		IOT-36						IOT Sprint 7			
Prepare for End of Sprint 7	IOT-128	Task	Closed	G0255		IOT-36						IOT Sprint 7			
Effective Retrospective	IOT-127	Task	Closed	G0255		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 loTester to be able to test analog input of ComoNeo. Acceptance criteria: *test in robot framework: **configures loTester to send an analog signal ** checks if the signal was measured by ComoNeo		ComoNeo Analog Inputs								
Finalyze Interface between COMONEO and BBB	IOT-104	Sub-task	Closed	G0254	https://git.kistler.com/FIIT/iotester/tree/RF/BBB/RE STAPI				IOT Sprint 4	IOT Sprint 5	IOT Sprint 6	IOT Sprint 7	IOT Sprint 8		
Setup Device Tree	IOT-97	Sub-task	Closed	G0261	Time: 8h Setup Device Tree Set pins 190/194/198/19c to mode 0x03 [Result https://files.slack.com/files-pri/TCZR1HLDT-F6K3ZH075/pins.png] Å						IOT Sprint 6	IOT Sprint 7			
				_	https://git.kistler.com/FIIT/iotester/tree/IOT-										
Measure PRU message size limit	IOT-107	Sub-task	Closed	G0254	107/IOT- 107%20%5BMeasure%20PRU%20message%20size% 20limit%5D						IOT Sprint 6	IOT Sprint 7			
message size limit Run program for CPU and PRU		Sub-task Sub-task		G0254	107%20%5BMeasure%20PRU%20message%20size%						IOT Sprint 6		IOT Sprint 8		
Run program for CPU and PRU communication Design Interface between CPU and		Sub-task			107%20%5BMeasure%20PRU%20message%20size%				IOT Sprint 4	IOT Sprint 5					
message size limit Run program for CPU and PRU communication Design Interface between CPU and PRU Calculate if we are able to write the whole curve to	IOT-123	Sub-task	In Progress	G0254	107%20%5BMeasure%20PRU%20message%20size%				IOT Sprint 4	IOT Sprint 5	IOT Sprint 6	IOT Sprint 7			
message size limit Run program for CPU and PRU communication Design Interface between CPU and PRU Calculate if we are able to write the	IOT-123	Sub-task Sub-task Sub-task	In Progress	G0254 G0259	107%20%5BMeasure%20PRU%20message%20size%	IOT-36			IOT Sprint 4	IOT Sprint 5	IOT Sprint 6	IOT Sprint 7 IOT Sprint 7 IOT Sprint 7		5.0	
message size limit Run program for CPU and PRU communication Design interface between CPU and PRU RIU Calculate if we are able to write the whole curve to PRU Analyze Memory Limit of PRU	IOT-123 IOT-105 IOT-119	Sub-task Sub-task Sub-task	In Progress In Progress Closed	G0254 G0259	107%20%5BMeasure%20PRU%20message%20size%20limit%5D As a developer of loTester I need to measure the size limit of pRIU message system Acceptance PRIU message size limit * measure PRU mes are size limit * measure relimit ear and the size limit ear	IOT-36			IOT Sprint 4	IOT Sprint 5	IOT Sprint 6	IOT Sprint 7 IOT Sprint 7 IOT Sprint 7		5.0	
message size limit Run program for CPU and PRU communication Design interface between CPU and PRU Calculate if we are able to diverse to PRU Analyze Memory Limit of PRU Read data from shared memory from PRU Write data to Shared memory	IOT-123 IOT-105 IOT-119	Sub-task Sub-task Story Sub-task	In Progress In Progress Closed	G0254 G0259 G0254	107%20%5BMeasure%20PRU%20message%20size%20limit%5D As a developer of loTester I need to measure the size limit of pRIU message system Acceptance PRIU message size limit * measure PRU mes are size limit * measure relimit ear and the size limit ear	ЮТ-36			IOT Sprint 4	IOT Sprint 5	IOT Sprint 6	IOT Sprint 7 IOT Sprint 7 IOT Sprint 7	IOT Sprint 8	5.0	
message size limit Run program for CPU and PRU communication Design interface between CPU and PRU Calculate if we are able to write the whole curve to PRU Analyze Memory Limit of PRU Read data from shared memory from PRU Write data to Write data to	IOT-123 IOT-105 IOT-119 IOT-103	Sub-task Sub-task Story Sub-task	In Progress In Progress Closed Closed In Progress	G0254 G0259 G0254	107%20%5BMeasure%20PRU%20message%20size%20limit%5D As a developer of loTester I need to measure the size limit of pRIU message system Acceptance PRIU message size limit * measure PRU mes are size limit * measure relimit ear and the size limit ear	IOT-36			IOT Sprint 4	IOT Sprint 5	IOT Sprint 6	IOT Sprint 7	IOT Sprint 8	5.0	

Analyze Analog Output of DAC	ют-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 * analyze how the DAC chip is connected to the board (SPI, GPI0s) - which BBB pins are used to control DAC-as an output prepare a simple sketch of PIN description * analyze how to use DACSÂ http://www.ti.com/lit/ds/symlink/dac8734.pdf] # what data should be sent via SPI interface to get desired analog value. * analyze how to use the analog output * team understands the concept of daisy-chain [https://www.maximintegrated.com/en/app-notes/index.myp/id/33447]	IOT-36					IOT Sprint 6		5.0	
Create a test for ComoNeo analog input	IOT-82	Story	To Do	Fmn	As I user I want to generate analog output on IoTester and test the behaviour of ComoNeo firmware. "Test sets the measurement start of the ComoNeo to a pin connected to IoTester (e.g., in Io Seconds A sets 10 different values) "Test set the analog output values to the IoTester (e.g., in Io Seconds A sets 10 different values) "Test starts the measurement with digital output of IoTester (e.g., in Io Seconds A sets 10 different values) "Test charts the measurement with digital output of IoTester (e.g., in Io Seconds A sets 10 different values) "Test checks the values using cursor in ComoNeo web application (see the attachment)	ЮТ-36						IOT Sprint 7		
Design REST API	107-42	Story	То Do		As a user of lolfester I need the documentation of REST API to be able to use this interface. **REST API to be able to use this interface. **REST API is not ComoNeo specific **Documentation of REST APIÄ Å Hint: **Analyse the data used in ComoNeo software simulator: https://git.kistler.com/comong/comong-software/tree/master/Core/lib/Fpga/Simulator Various configurations of software simulator are available here in ApplicationFiles/Simulator folders: https://git.kistler.com/comong/comong-software/tree/master/Testing/RestApi-Roboto-Situage https://git.kistler.com/comong/comong-software/tree/master/Testing/RestApi-Roboto-Situage A	IOT-40								
Run ComoNeo measurement with one curve	IOT-117	Story	To Do		As a user I want to test the measured data on ComoNeo. Acceptance criteria: * one curve is set from REST API to the PRU * the curve contains 100 points * the curve contains 100 points	IOT-36								
Enable multiple digital and analog outputs	IOT-86	Story	To Do		As a user I want to use all analog and digital outputs of lofiseter to be able to control ComoNeo. Acceptance criteria: **Rest API is acceptance criteria: *** Rest API is added as of that it allows configuration of all digital and analog outputs **** ATI U executes the configuration according defined timing	IOT-40								
ComoNeo simulator data conversion	IOT-85	Story	To Do		As a ComoNeo setser I want to be able to take the data for ComoNeo simulator and configure with the loTester Acceptance criteria: *Robot framework keyword which will load configuration from ComoNeo lipga simulator and configures of Tester via Rest API ComoNeo Simulator input data description: [https://git.kistler.com/comong/comong-software/tree/master/Core/lib/Fpga/Simulator] ComoNeo Simulator input data examples: [https://git.kistler.com/comong/comong-software/tree/release-3.0/Testing/RestApi-Robots/Setups/Zmolds/ApplicationFiles/Simulator] [https://git.kistler.com/comong/comong-software/tree/master/Testing/RestApi-Robots/Setups/RestApi-Robots/	IOT-40								
Prepare Document for Board Design	IOT-49	Story	In Progress		As a hardware engineer, IĀ want to create document for board design, so that we can use it as a guideline for creating final design of our new board Ā	IOT-1		IOT Sprint 3					8.0	
Kistler VPN Access Deployment	IOT-28	Task Epic	Closed To Do	Onl			Deployment	IOT Sprint 1	IOT Sprint 2					
Start webserver automaticaly	IOT-116	Story	To Do		As a user I want to have access to the loTester REST API after boot. Acceptance criteria: * loTester python webserver is added to Yocto build * REST API is available after IoTester boot.	ЮТ-89	proprodit							
Load PRU exe automaticaly	IOT-115	Story	To Do		As a user I want to have the PRU software loaded automatically after boot. Acceptance criteria: *PRU application is added to Yocto build * after the boot of generated image the PRU application is started	IOT-89								

					1											
					As a user of loTester I want my device to be											
Configure device					configured automaticaly with the correct device tree. Acceptance criteria:											
tree for SD card image generation	IOT-114	Story	To Do		* device tree configuration added to Yocto layer * generated image can boot and device tree is	IOT-89										
					configured in correct way (e.g. spi bits have correct mode)											
					mode)											
					As a developer of IoTester I need SD card image which contains flusk to be able to develop IoTester											
Add flusk into SD					application.											
card image generation	IOT-113	Story	To Do		Acceptance criteria: * new layer added to yocto configuration	IOT-89										
					* image configuration including flusk added * generated image can be load to the sd card and the											
					flusk is installed											
					As a developer I need to be able to generate new SD card image.											
					Acceptance criteria:											
SD card image generation	IOT-81	Story	To Do		* Script for building SD card image from existing yocto configuration for TI Processors SDK is created	IOT-89										
					* Script is available in Git repository * It is possible to load generated image to the SD											
Update					card and run it on BBB											
	IOT-111	Task	Closed	G0255									IOT Sprint 6			
Prepare Presentation for	IOT-110	Task	Closed	G0255									IOT Sprint 6			
Sprint 6 Refactoring HW																
for better compactness	IOT-1	Epic	To Do				IoTester Refactoring									
New Informations in JIRA Tasks	IOT-112	Task	Closed	G0255									IOT Sprint 6			
Export JIRA Tasks	107.17		Cl	600									IOTS			
for Sprint 6 Start	IOT-109	Task	Closed	G0255									IOT Sprint 6			
Understands daisy- chain concept	IOT-102	Sub-task	In Progress	G0259									IOT Sprint 6			
Basic	IOT-100	Sub-task	Blocked	G0259									IOT Sprint 6			
DAC	101 100	Sub tusk	Dioched	00233									TO 1 Sprint 0			
Understand how the DAC chip is connected to the	IOT-101	Sub-task	Blocked	G0256									IOT Sprint 6			
board (SPI, GPIOs)																
Create Project Documentation	IOT-95	Story	Closed	G0255								IOT Sprint 5			8.0	
for ZS Digital Input Test	IOT-90	Story	Closed	G0255		IOT-2					IOT Sprint 4	IOT Sprint 5			13.0	
Integration Model Architecture for	IOT-80	Task	Closed	G0255						IOT Sprint 3	IOT Sprint 4					documentation
Project	101 00	Tusk	Ciosca	00233						тот эргих э	101 Sprint 4					documentation
					As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input.											
Program for RTUexe	IOT-9	Story	Closed	G0257	Acceptance criteria:	IOT-2									8.0	
											IOT Sprint 4				8.0	
Configuration	1013	,			Running RTU program which sets the digital output						IOT Sprint 4				8.0	
	10.13	,									IOT Sprint 4				8.0	
Create First Document for	ЮТ-93	Story	Closed	G0255	Running RTU program which sets the digital output						IOT Sprint 4				8.0	
Create First Document for Project Close Sprint 3					Running RTU program which sets the digital output											
Create First Document for Project	IOT-93	Story	Closed	G0255	Running RTU program which sets the digital output		ComoNeo Digital Inputs				IOT Sprint 4					
Create First Document for Project Close Sprint 3 Testing digital inputs on	IOT-93	Story	Closed	G0255	Running RTU program which sets the digital output		ComoNeo Digital Inputs				IOT Sprint 4					documentation
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on	IOT-93 IOT-94 IOT-2	Story Task Epic	Closed Closed To Do	G0255	Running RTU program which sets the digital output		ComoNeo Digital Inputs				IOT Sprint 4					documentation
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on Continuous Server Call Program on	IOT-93 IOT-94 IOT-2 IOT-26	Story Task Epic Task Task	Closed Closed To Do Closed Closed	G0255	Running RTU program which sets the digital output		ComoNeo Digital Inputs				IOT Sprint 4					
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on Continuous Server Call Program on RTU from CPU Analyze	IOT-93 IOT-94 IOT-2	Story Task Epic Task	Closed Closed To Do Closed	G0255	Running RTU program which sets the digital output	IOT-2	ComoNeo Digital Inputs				IOT Sprint 4					documentation
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on Continuous Server Call Program on RTU from CPU Analyze Communication	IOT-93 IOT-94 IOT-2 IOT-26	Story Task Epic Task Task	Closed Closed To Do Closed Closed	G0255	Running RTU program which sets the digital output		ComoNeo Digital Inputs				IOT Sprint 4					
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on Continuous Server Call Program on RTU from CPU Analyze Communication Entwen RTU and CPU Analyze RTU Analyze RTU	IOT-93 IOT-94 IOT-2 IOT-26 IOT-22 IOT-19 IOT-18	Story Task Epic Task Task Task Task Task	Closed Closed To Do Closed Closed Closed Closed Closed	G0255	Running RTU program which sets the digital output	IOT-2 IOT-2	ComoNeo Digital Inputs				IOT Sprint 4					implementation
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on Continuous Server Call Program on RTU from CPU Analyze Communication Between RTU and CPU	IOT-93 IOT-94 IOT-2 IOT-26 IOT-22 IOT-19	Story Task Epic Task Task Task Task	Closed Closed To Do Closed Closed Closed Closed	G0255	Running RTU program which sets the digital output	IOT-2	ComoNeo Digital Inputs				IOT Sprint 4					implementation analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on RTU from CPU Analyze Communication Between RTU and CPU Analyze RTU Choose Simple RTU and Web Server RTU RTU and Web Server	IOT-93 IOT-94 IOT-2 IOT-26 IOT-22 IOT-19 IOT-18	Story Task Epic Task Task Task Task Task	Closed Closed To Do Closed Closed Closed Closed Closed	G0255	Running RTU program which sets the digital output	IOT-2 IOT-2	ComoNeo Digital Inputs				IOT Sprint 4					implementation analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on Continuous Server Call Program on RTU from CPU Analyze Communication Between RTU and CPU Analyze RTU RTU and WEU RTU and W	IOT-93 IOT-94 IOT-2 IOT-26 IOT-22 IOT-19 IOT-18 IOT-13	Story Task Epic Task Task Task Task Task Task	Closed Closed To Do Closed Closed Closed Closed Closed Closed Closed	G0255	Running RTU program which sets the digital output of IOTester according configuration from CPU.	IOT-2 IOT-2 IOT-2	ComoNeo Digital Inputs				IOT Sprint 4					implementation analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on Continuous Server Call Program on RTU from CPU Analyze RTU Analyze RTU Choose Simple Program for RTU RTU and Web Server Companication	IOT-93 IOT-94 IOT-2 IOT-22 IOT-19 IOT-18 IOT-18 IOT-16 IOT-14	Story Task Epic Task Task Task Task Task Task	Closed Closed To Do Closed Closed Closed Closed Closed Closed Closed	G0255	Running RTU program which sets the digital output	10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs				IOT Sprint 4					implementation analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on RTU from CPU Analyze Communication Between RTU and CPU Analyze RTU Choose Simple RTU and Web Server RTU RTU and Web Server	IOT-93 IOT-94 IOT-2 IOT-26 IOT-22 IOT-19 IOT-18 IOT-13	Story Task Epic Task Task Task Task Task Task	Closed Closed To Do Closed Closed Closed Closed Closed Closed Closed	G0255	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria:	IOT-2 IOT-2 IOT-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2	IOT Sprint 3	IOT Sprint 4					implementation analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on RTU from CPU Analyze Communication Entween RTU and CPU Analyze RTU Choose Simple Program for RTU RTU and Web Server Compatibility Load Program to	IOT-93 IOT-94 IOT-2 IOT-22 IOT-19 IOT-18 IOT-18 IOT-16 IOT-14	Story Task Epic Task Task Task Task Task Task Task	Closed Closed To Do Closed Closed Closed Closed Closed Closed Closed Closed Closed	G0255	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input.	10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2	IOT Sprint 3	IOT Sprint 4					implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on RTU from CPU Analyze Communication Entween RTU and CPU Analyze RTU Choose Simple Program for RTU RTU and Web Server Compatibility Load Program to	IOT-93 IOT-94 IOT-2 IOT-22 IOT-19 IOT-18 IOT-18 IOT-16 IOT-14	Story Task Epic Task Task Task Task Task Task Task	Closed Closed To Do Closed Closed Closed Closed Closed Closed Closed Closed Closed	G0255	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for:	10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2	IOT Sprint 3	IOT Sprint 4					implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on RTU from CPU Analyze Communication Entween RTU and CPU Analyze RTU Choose Simple Program for RTU RTU and Web Server Compatibility Load Program to	IOT-93 IOT-94 IOT-2 IOT-22 IOT-19 IOT-18 IOT-18 IOT-16 IOT-14	Story Task Epic Task Task Task Task Task Task Task	Closed Closed To Do Closed Closed Closed Closed Closed Closed Closed Closed Closed	G0255	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Acceptance criteria: Create methodic for: * Meeting Documentation * Tasks management - done	10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs			IOT Sprint 3	IOT Sprint 4					implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on Continuous Server Call Program on RTU from CPU Analyze RTU Choose Simple Program for RTU RTU and Web Server Compatibility Load Program to RTU	107-93 107-94 107-2 107-2 107-2 107-18 107-18 107-14	Story Task Epic Task Task Task Task Task Task Task	Closed Closed To Do Closed	G0255 G0255	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for: **Meeting Documentation** **Tasks managment - done **Methodics - done **Code versioning - done **Web- done **Code versioning - done **Web- done	10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs				IOT Sprint 4				8.0	implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on Continuous Server Call Program on RTU from CPU Analyze RTU Choose Simple Program for RTU RTU and Web Server Compatibility Load Program to RTU	107-93 107-94 107-2 107-2 107-2 107-18 107-18 107-14	Story Task Epic Task Task Task Task Task Task Task	Closed Closed To Do Closed	G0255 G0255	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for: **Meeting Documentation** **Tasks managment - done **Methodics - done	10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs				IOT Sprint 4				8.0	implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on RTU from CPU Analyze Communication RTU from CPU Analyze RTU Choose Simple Program for RTU RTU and Web Server Compatibility Load Program to RTU Methodics	107-93 107-94 107-2 107-2 107-2 107-18 107-18 107-14	Story Task Epic Task Task Task Task Task Task Task	Closed Closed To Do Closed	G0255 G0255 G0259	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for: * Meeting Documentation * Tasks mangent - done * Web- done * Code versioning - done * Web- done * As a user I need to configure real time simulation to	10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2		IOT Sprint 4				8.0	implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital Inputs on ComoNeo Create Team Poster Decide on Continuous Server Call Program on RTU from CPU Analyze Communication Between RTU and CPU Analyze RTU Analyze Companion RTU Methodics	IOT-93 IOT-94 IOT-2 IOT-10 IOT-10 IOT-11 IOT-14 IOT-14 IOT-17	Story Task Epic Task Task Task Task Task Task Story	Closed Closed To Do Closed	G0255 G0255 G0259	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for: *Weeting Documentation *Tasks managment - done *Web- done *As a user I want to be able to set digital output of IOTester according configuration from CPU. Create methodic for: *Web-done *As a user I want to be able to set digital output from CPU. Create methodic for: *Web-done *As a user I want to be able to set digital output from CPU. Acceptance of the complex of the comp	10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2	IOT Sprint 3	IOT Sprint 4				3.0	implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on RTU from CPU Analyze Communication RTU from CPU Analyze RTU Choose Simple Program for RTU RTU and Web Server Compatibility Load Program to RTU Methodics	IOT-93 IOT-94 IOT-2 IOT-10 IOT-10 IOT-11 IOT-14 IOT-14 IOT-17	Story Task Epic Task Task Task Task Task Task Story	Closed Closed To Do Closed	G0255 G0255 G0259	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for: **Reweting Documentation** **Tasks managment - done **Meeting Documentation** **Tasks managment - done **Meeting Documentation** **Tasks managment - done **Code versioning - done **Ace versioning - done **Acceptance criteria: **RTU and CPU prototype is running on Beaglebone Linux console.	10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2	IOT Sprint 3	IOT Sprint 4				3.0	implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on RTU from CPU Analyze Communication RTU from CPU Analyze RTU Choose Simple Program for RTU RTU and Web Server Compatibility Load Program to RTU Methodics	IOT-93 IOT-94 IOT-26 IOT-10 IOT-10 IOT-11 IOT-14 IOT-14 IOT-17	Story Task Epic Task Task Task Task Task Task Story	Closed Closed To Do Closed	G0255 G0255 G0259	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for: *Weeting Documentation *Tasks managment - done *Web- done *As a user I want to be able to set digital output of IOTester according configuration from CPU. Create methodic for: *Web-done *As a user I want to be able to set digital output from CPU. Create methodic for: *Web-done *As a user I want to be able to set digital output from CPU. Acceptance of the complex of the comp	10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2	IOT Sprint 3	IOT Sprint 4				3.0	implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on RTU from CPU Analyze Communication RTU from CPU Analyze RTU Choose Simple Program for RTU RTU and Web Server Compatibility Load Program to RTU Methodics	IOT-93 IOT-94 IOT-26 IOT-10 IOT-10 IOT-11 IOT-14 IOT-14 IOT-17	Story Task Epic Task Task Task Task Task Task Story	Closed Closed To Do Closed	G0255 G0255 G0255 G0257	As a user I want to be able to set digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for: * Meeting Documentation * Tasks managemt - done * Methodics - done * Code versioning - done * Web - done * As a user I need to configure real time simulation to run various simulations. Acceptance criteria: RTU and CPU prototype is running on Beaglebone Linux console. As a user I need to do a real time simulation to be	10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2	IOT Sprint 3	IOT Sprint 4				3.0	implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on Comolyon Comolyon Poster Decide on Continuous Server Decide on RTU from CPU Analyze Communication Between RTU and Analyze Thoose Simple Program for RTU RTU and Web Server Compatibility Load Program to RTU Methodics Methodics	IOT-93 IOT-94 IOT-26 IOT-10 IOT-11 IOT-13 IOT-14 IOT-17 IOT-14 IOT-17	Story Task Epic Task Task Task Task Task Task Story Story	Closed Closed To Do Closed	G0255 G0255 G0255 G0257	As a user I want to be able to set digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for: * Meeting Documentation * Tasks managemet - done * Methodics - done * Code versioning - done * Web - done * As a user I need to configure real time simulation to run various simulations. Acceptance criteria: RTU and CPU prototype is running on Beaglebone Linux console. As a user I need to do a real time simulation to be able to simulate sensor measurements.	10T-2 10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2	IOT Sprint 3	IOT Sprint 4				3.0	implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on Comolyon Comolyon Poster Decide on Continuous Server Decide on RTU from CPU Analyze Communication Between RTU and Analyze Thoose Simple Program for RTU RTU and Web Server Compatibility Load Program to RTU Methodics Methodics	IOT-93 IOT-94 IOT-26 IOT-10 IOT-11 IOT-13 IOT-14 IOT-17 IOT-14 IOT-17	Story Task Epic Task Task Task Task Task Task Story Story	Closed Closed To Do Closed	G0255 G0255 G0255 G0257	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for: * Meeting Documentation * Tasks managemet - done * Methodics - done * Code versioning - done * With - done * As a user I need to of a real time simulation to run various simulations. Acceptance criteria: RTU and CPU prototype is running on Beaglebone Uniox console. * As a user I need to do a real time simulation to be able to simulate sensor measurements. Acceptance criteria: Loading of the program to the real time unit will be shown on Linux console.	10T-2 10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2	IOT Sprint 3	IOT Sprint 4				3.0	implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Decide on Continuous Server Call Program on RTU from CPU Analyze Communication Between RTU and CPU Analyze RTU Analyze Communication Load RTU Load R	IOT-93 IOT-94 IOT-26 IOT-10 IOT-11 IOT-13 IOT-14 IOT-17 IOT-14 IOT-17	Story Task Epic Task Task Task Task Task Task Story Story	Closed Closed To Do Closed	G0255 G0255 G0255 G0257	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test Comolveo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for: **Weeting Documentation** **Tasks managment - done **Code versioning - done **Code versioning - done **Ace as a user I need to configure real time simulation to run various simulations. Acceptance criteria: RTU and CPU prototype is running on Beaglebone Linux console. As a user I need to do a real time simulation to be able to simulate sensor measurements. Acceptance criteria: Acceptance criteria: Loading of the program to the real time unit will be	10T-2 10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2	IOT Sprint 3	IOT Sprint 4				3.0	implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Decide on Continuous Server Decide on Continuous Server Call Program on RTU from CPU Analyze Communication Between RTU and Communication Between RTU and Communication RTU and Web Server Compatibility Load Program to RTU Methodics RTU and CPU Communication RTU and CPU Communication RTU Methodics	IOT-93 IOT-94 IOT-26 IOT-10 IOT-11 IOT-13 IOT-14 IOT-17 IOT-14 IOT-17	Story Task Epic Task Task Task Task Task Task Story Story	Closed Closed To Do Closed	G0255 G0255 G0255 G0257	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for: * Meeting Documentation * Tasks managemet - done * Methodics - done * Code versioning done * Web - done * Act a user I need to do a real time simulation to run various simulations. Acceptance criteria: RTU and CPU prototype is running on Beaglebone Uniux console. As a user I need to do a real time simulation to be able to simulate sensor measurements. Acceptance criteria: Loading of the program to the real time unit will be shown on Inux console. As a user I want try the latest changes of the IoTester firmware. Acceptance criteria:	10T-2 10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2	IOT Sprint 3	IOT Sprint 4				3.0	implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Poster Decide on RTU From CPU Analyze Communication RTU and Web Server Compatibility Load Program to RTU RTU and Web Server Compatibility Methodics RTU and CPU Communication RTU RTU and Web Server Compatibility Load Program to RTU Methodics	10T-93 10T-94 10T-26 10T-26 10T-19 10T-18 10T-18 10T-14 10T-17 10T-17	Story Task Epic Task Task Task Task Task Task Story Story	Closed	G0255 G0255 G0255 G0257	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for: **Meeting Documentation** **Tasks managment - done **Meeting Documentation** **Tasks managment - done **Web- done **Code versioning - done **Web- done **As a user I need to configure real time simulation to run various simulations. Acceptance criteria: RTU and CPU prototype is running on Beaglebone Linux console. As a user I need to do a real time simulation to be able to simulate sensor measurements. Acceptance criteria: Loading of the program to the real time unit will be shown on Linux console. As a user I want try the latest changes of the IoTester firmware.	10T-2 10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2	IOT Sprint 3	IOT Sprint 4				3.0	implementation analysis analysis analysis analysis
Create First Document for Project Close Sprint 3 Testing digital inputs on ComoNeo Create Team Decide on Continuous Server Decide on Continuous Server Call Program on RTU from CPU Analyze Communication Between RTU and Communication Between RTU and Communication RTU and Web Server Compatibility Load Program to RTU Methodics RTU and CPU Communication RTU and CPU Communication RTU Methodics	10T-93 10T-94 10T-26 10T-26 10T-19 10T-18 10T-18 10T-14 10T-17 10T-17	Story Task Epic Task Task Task Task Task Task Story Story	Closed	G0255 G0255 G0255 G0257	Running RTU program which sets the digital output of IOTester according configuration from CPU. As a user I want to be able to set digital output from RTU to be able to test ComoNeo digital input. Acceptance criteria: Running RTU program which sets the digital output of IOTester according configuration from CPU. Create methodic for: * Meeting Documentation * Tasks managemet - done * Methodics - done * Code versioning done * Web - done * Act a user I need to done * Tasks a user I need to configure real time simulation to run various simulations. Acceptance criteria: RTU and CPU prototype is running on Beaglebone Uniux console. As a user I need to do a real time simulation to be able to simulate sensor measurements. Acceptance criteria: Loading of the program to the real time unit will be shown on I mux console. As a user I want try the latest changes of the IoTester firmware. Acceptance criteria: * Jenkins pipeline which will be trigerred by the change in a gibt branch and will compose the IoTester firmware.	10T-2 10T-2 10T-2 10T-2 10T-2	ComoNeo Digital Inputs	IOT Sprint 1	IOT Sprint 2	IOT Sprint 3	IOT Sprint 4				3.0	implementation analysis analysis analysis analysis

Analyze, design, implement REST	IOT-40	Epic	To Do				REST API							
API Manage Kistler resources for PCB	IOT-53	Task	Closed	Onl						IOT Sprint 3				
design Create Document for Tasks	IOT-52	Task	Closed	G0255						IOT Sprint 3				documentation
Managment Presentation for	IOT-79	Task	Closed	G0255						IOT Sprint 3				
Sprint 3 End Close Sprint 2	IOT-50	Task	Closed	G0255						IOT Sprint 3				
Create Document for Jira Changes	IOT-51	Task	Closed	G0255						IOT Sprint 3				documentation
REST API Prototype	IOT-10	Story	Closed		As a use of IOTester I want to have interface to set the Como digital input to be able to configure IOTester. Acceptance criteria: * working webserver on beagleboard *implemented simple post request with value of digital input (0 or 1) *post request seaccution is logged to the console	IOT-2				IOT Sprint 3			3.0	
Robot Framework LIB	IOT-11	Story	Closed	G0260	As a test developer I want to have a library to use I/OTester Acceptance criteria: * python module * keywords to set Como digital inputs are implemented HINT-Å implementation of the keywords are POST request to the I/OTester POST request is implemented inĀ http://jira.kistler.com/browse/I/OT-10	IOT-2				IOT Sprint 3			5.0	
Port IoTester specification to Jira	IOT-54	Task	Closed	Onl						IOT Sprint 3				
Create a Test	IOT-12	Story	Closed	G0260	As a user I want to test the ComoNeo digital input. Acceptance criteria: Test configures loTester (library for loTester configuration will be implemented in different user story) Test checks the ComoNeo web application if the digital input was set. Å	IOT-2		IOT Sprint 1	IOT Sprint 2	IOT Sprint 3			13.0	
Analyze Board	IOT-3	Story	Closed	G0256	As a hardware engineer I need to analyse the current board to be able to make the final design. Acceptance criteria: Document the current design of the board.	IOT-1		IOT Sprint 1	IOT Sprint 2				8.0	
Close Sprint 1	IOT-48	Task	Closed	G0255	Close sprint 1. Create sprint 2. Export tasks from Jira.				IOT Sprint 2					
Create Team Website	IOT-30	Story	Closed	G0254	Export tasks from an a.			IOT Sprint 1					8.0	
Print User Stories	IOT-47	Task	Closed	G0255				IOT Sprint 1						
Choose Web Server Technology	IOT-15	Task	Closed	G0261		IOT-2		IOT Sprint 1						
Technology for Linux (Web Server)	IOT-6	Story	Closed	G0261	As a developer I want to select frameworks/technologies to be able to write REST API for BeagleSone Black real time unit configurations. Acceptance criteria: Document 3 alternatives with pros and cons.	IOT-2		IOT Sprint 1					5.0	
Create Methodic for Methodics Document	IOT-45	Task	Closed	G0255				IOT Sprint 1						documentation
Export Data From Jira - Sprint 1 Start	IOT-46	Task	Closed	G0255				IOT Sprint 1						
Add Tasks to Jira	IOT-20	Task	Closed	G0255	Subtasks left: * Create Sprint - done * Add tasks to Sprint - done * Add task owners - done			IOT Sprint 1						
Share Google Drive	IOT-24	Task	Closed											
Write TP1 Requirements	IOT-32	Task	Closed	G0255										
Study SCRUM Create Team Chat	IOT-33	Task Task	Closed	G0255										
Update Trello	IOT-31	Task	Closed	G0255										
Decleration Documents	IOT-27	Task	Closed											documentation
Study Poker Cards	IOT-34	Task	Closed	G0255										
Study Story Points	IOT-35	Task	Closed	G0255										
Create Team GIT	IOT-21	Task	Closed											