

[WIMNN-8] [Analyze FPT record](#)

Created: 27/Sep/19 Updated: 22/Oct/19

Status:

To Do

Project:

[WIM Neural Network](#)

Component/s:

None

Fix Version/s:

None

Type:

Story

Reporter:

[Bacik Zdenko](#)

Resolution:

Unresolved

Labels:

None

Σ Remaining Estimate:

Not Specified

Σ Time Spent:

Not Specified

Σ Original Estimate:

Not Specified

Priority:

Major

Assignee:

Unassigned

Votes:

0

Remaining Estimate:

Not Specified


Time Spent:

Not Specified

Original Estimate:

Not Specified

Attachments:

 raw-data-record.png

Sub-Tasks:

Key	Summary	Type	Status	Assignee
WIMNN-29	Provide documentation	Sub-task	Closed	Bacik Zdenko
WIMNN-39	Create "how to pull fpt records from ...	Sub-task	Closed	Chreno Martin
WIMNN-44	Analyze meaning of fpt record fields	Sub-task	Closed	Chreno Martin

Business Priority:

Should have

Story Points:

3

Epic Link:

[Collection](#)

Sprint:

WIMNN Sprint 1, WIMNN Sprint 2

Description

As a user of WIM DL device:

- I would like to find the way how to get FTP records from the device (use REST API)
- I would like to find the way how to collect long traffic in FPT records
- I would like to find the way how to isolate one vehicle in the FPT JSON file - JSON can contain more vehicles.

Acceptance criteria:

- A proposal on how to collect FPT record
- A proposal on how to collect and store long traffic
- A proposal on how to isolate one vehicle in FPT records

Note:
[Documentation:](#)

To analyze of FPT records is necessary to see setup layout ([site_setup](#)). Every wheel which goes through the force sensor and creates a force record.

To get FPT record which are assigned exactly to one vehicle we have to see the presence record in the JSON file. Presence record determines when the vehicle enter to the sensor and when the vehicle leave the sensors. Maybe it would be possible to use VDR development record to find which force records are assigned to one vehicle. See picture in attachment how it can looks when vehicle pass the sensors.

Generated at Tue Nov 05 08:13:27 CET 2019 by Scipa Christian using JIRA 7.6.10#76012-sha1:c246fcec781798f6486414163d02aeceec72110.

Analyze FPT record (WIMNN-8)

[WIMNN-29] Provide documentation


Created: 08/Oct/19 Updated: 24/Oct/19 Resolved: 24/Oct/19

Status:	Closed		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Sub-task	Priority:	Major
Reporter:	Bacik Zdenko	Assignee:	Bacik Zdenko
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Analyze FPT record (WIMNN-8)

[WIMNN-39] Create "how to pull fpt records from device"



Created: 15/Oct/19 Updated: 05/Nov/19 Resolved: 05/Nov/19

Status:	Closed		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Sub-task	Priority:	Major
Reporter:	Tonhauzer Martin	Assignee:	Chreno Martin
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Attachments:	<div><div></div>FPT_retrieval.pdf</div>		

Analyze FPT record (WIMNN-8)

[WIMNN-44] Analyze meaning of fpt record fields

Created: 16/Oct/19 Updated: 05/Nov/19 Resolved: 05/Nov/19

Status:	Closed		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Sub-task	Priority:	Major
Reporter:	Tonhauzer Martin	Assignee:	Chreno Martin
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Attachments:	<div><div> FPT.pdf</div><div> FPT-record.json</div></div>		
Task type:	analysis		

[WIMNN-9] [Analyze VehicleData Record](#) Created: 27/Sep/19 Updated: 04/Nov/19 Resolved: 04/Nov/19

Status:	Closed				
Project:	WIM Neural Network				
Component/s:	None				
Fix Version/s:	None				

Type:	Story	Priority:	Major		
Reporter:	Bacik Zdenko	Assignee:	Unassigned		
Resolution:	Done	Votes:	0		
Labels:	None				
Σ Remaining Estimate:	Not Specified	Remaining Estimate:	Not Specified		
Σ Time Spent:	Not Specified	Time Spent:	Not Specified		
Σ Original Estimate:	Not Specified	Original Estimate:	Not Specified		

Sub-Tasks:	Key	Summary	Type	Status	Assignee
	WIMNN-30	Provide documentation	Sub-task	Closed	Bacik Zdenko
	WIMNN-41	Explore listening for data on websocket	Sub-task	Closed	Snincak Marek
	WIMNN-45	Analyze meaning of VDR record fields	Sub-task	Closed	Benova Lenka
	WIMNN-54	Document VDR retrieval	Sub-task	Closed	Benova Lenka
Business Priority:	Should have				
Story Points:	3				
Epic Link:	Collection				
Sprint:	WIMNN Sprint 1, WIMNN Sprint 2				

Description

As a user of WIM DL device:

- I would like to find the way how to get VDR records from the device (use REST API or EDS events)
- I would like to find the way how to collect long traffic in VDR records

Acceptance criteria:

- A proposal on how to collect VDR record
- A proposal on how to collect long traffic

Note:

Generated at Tue Nov 05 08:15:42 CET 2019 by Scipa Christian using JIRA 7.6.10#76012-sha1:c246fcec781798f6486414163d02aeceec72110.

Analyze VehicleData Record (WIMNN-9)

[WIMNN-30]

Provide documentation

Created: 08/Oct/19 Updated: 04/Nov/19 Resolved: 04/Nov/19

Status:	Closed		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Sub-task	Priority:	Major
Reporter:	Bacik Zdenko	Assignee:	Bacik Zdenko
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Analyze VehicleData Record (WIMNN-9)

[WIMNN-41] Explore listening for data on websocket

Created: 15/Oct/19 Updated: 22/Oct/19 Resolved: 22/Oct/19


Status:	Closed		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Sub-task	Priority:	Major
Reporter:	Tonhauzer Martin	Assignee:	Snincak Marek
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Task type:	analysis		
Description			
refer to the http://192.168.192.207/ui/device/data-output "ethernet stream" section for opening websocket			

Analyze VehicleData Record (WIMNN-9)			
<div><div><div></div></div><div>[WIMNN-45] Analyze meaning of VDR record fields</div><div>Created: 16/Oct/19 Updated: 23/Oct/19 Resolved: 23/Oct/19</div></div>			
Status:	Closed		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Sub-task	Priority:	Major
Reporter:	Tonhauzer Martin	Assignee:	Benova Lenka
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Task type:	analysis		

Analyze VehicleData Record (WIMNN-9)

[WIMNN-54] Document VDR retrieval

Created: 20/Oct/19 Updated: 23/Oct/19 Resolved: 23/Oct/19

Status:	Closed		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Sub-task	Priority:	Major
Reporter:	Benova Lenka	Assignee:	Benova Lenka
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Attachments:	 VDR documentation.pdf		
Task type:	documentation		

[WIMNN-12] [Implement VDR collecting](#)

Created: 27/Sep/19 Updated: 02/Nov/19 Resolved: 02/Nov/19

Status:

Closed

Project:

[WIM Neural Network](#)

Component/s:

None

Fix Version/s:

None

Type:

Story

Reporter:

[Bacik Zdenko](#)

Resolution:

Done

Labels:

None

Σ Remaining Estimate:

Not Specified

Σ Time Spent:

Not Specified

Σ Original Estimate:

Not Specified

Priority:

Major

Assignee:

[Snincak Marek](#)

Votes:

0

Remaining Estimate:

Not Specified

Time Spent:

Not Specified

Original Estimate:

Not Specified

Sub-Tasks:

Key	Summary	Type	Status	Assignee
WIMNN-61	Implement	Sub-task	Closed	Snincak Marek

Business Priority:

Should have

Story Points:

5

Epic Link:

[Collection](#)

Sprint:

WIMNN Sprint 2

Description

As a user of WIM DL device base on analyzes [WIMNN-9](#), I would like to implement VDR collector which is able to collect data from WIM DL in continuous traffic.

Acceptance criteria:

Implemented VDR collector which is able to connect to the device and collect the VDR record.

Generated at Tue Nov 05 08:18:02 CET 2019 by Scipa Christian using JIRA 7.6.10#76012-sha1:c246fcec781798f6486414163d02aeceeeac72110.

Implement VDR collecting

(WIMNN-12)

[WIMNN-61]

Implement

Created: 29/Oct/19

Updated: 02/Nov/19

Resolved: 02/Nov/19

Status:

Closed

Project:

WIM Neural Network

Component/s:

None

Fix Version/s:

None

Type:

Sub-task

Priority:

Major

Reporter:

Tonhauzer Martin

Assignee:

Snincak Marek

Resolution:

Done

Votes:

0

Labels:

None

Remaining Estimate:

Not Specified

Time Spent:

Not Specified

Original Estimate:

Not Specified

Task type:

implementation

Description

Requirements:

• configurable parameters

• log progress and errors

• implement setting configuration

• can be left running unattended

• create readme

Comments

Comment by Snincak Marek [01/Nov/19]

Takes command line params as described in readme file.

Logs progress and errors to console.

Automatically sets device parameters.

Usage is described in readme file.

Comment by Valastin Viktor [01/Nov/19]


Could be added:

Default values for params - you can ideally create .env file <https://medium.com/the-node-js-collection/making-your-node-js-work-everywhere-with-environment-variables-2da8cdf6e786>

Log also time in debugging logs

Generated at Tue Nov 05 08:18:18 CET 2019 by Scipa Christian using JIRA 7.6.10#76012-sha1:c246fcec781798f6486414163d02aeceeeac72110.

[WIMNN-31] Generic tasks container Created: 08/Oct/19 Updated: 22/Oct/19

Status:	To Do				
Project:	WIM Neural Network				
Component/s:	None				
Fix Version/s:	None				
Type:	Story	Priority:	Major		
Reporter:	Bacik Zdenko	Assignee:	Unassigned		
Resolution:	Unresolved	Votes:	0		
Labels:	None				
Σ Remaining Estimate:	Not Specified	Remaining Estimate:	Not Specified		
Σ Time Spent:	Not Specified	Time Spent:	Not Specified		
Σ Original Estimate:	Not Specified	Original Estimate:	Not Specified		
Attachments:	 zapisnica1.pdf				
Sub-Tasks:	Key	Summary	Type	Status	Assignee
	WIMNN-32	Notes from second meetup	Sub-task	Closed	Scipa Christian
	WIMNN-40	Submit TP cup registration	Sub-task	Closed	Valastin Viktor
	WIMNN-46	Create template for meetup documentat...	Sub-task	Closed	Scipa Christian
	WIMNN-47	Find a way to export jira board	Sub-task	Closed	Scipa Christian
	WIMNN-48	Notes from third meetup	Sub-task	Closed	Scipa Christian
	WIMNN-49	Create methodology for document manag...	Sub-task	Closed	Valastin Viktor
	WIMNN-56	request more space at VPS	Sub-task	Closed	Tonhauzer Martin
	WIMNN-58	create group at gitlab	Sub-task	Closed	Bacik Zdenko
	WIMNN-65	Create methodology for tasks export	Sub-task	Closed	Scipa Christian
	WIMNN-66	Create methodology for meeting notes ...	Sub-task	Closed	Scipa Christian
	WIMNN-67	Create methodology for communication	Sub-task	Closed	Scipa Christian
Business Priority:	Should have				
Sprint:	WIMNN Sprint 1, WIMNN Sprint 2				

Generic tasks container

(WIMNN-31)

[WIMNN-46]

Create template for meetup documentation

Created: 16/Oct/19 Updated: 23/Oct/19 Resolved: 23/Oct/19

Status:

Closed

Project:

WIM Neural Network

Component/s:

None

Fix Version/s:

None

Type:

Sub-task

Priority:

Major

Reporter:

Tonhauzer Martin

Assignee:

Scipa Christian

Resolution:

Done

Votes:

0

Labels:

None

Remaining Estimate:

Not Specified

Time Spent:

Not Specified

Original Estimate:

Not Specified

Description

refer to <http://www2.fiit.stuba.sk/~bielik/courses/tp-slov/tp-main.html#metodiky>

Generated at Tue Nov 05 08:19:58 CET 2019 by Scipa Christian using JIRA 7.6.10#76012-sha1:c246fcec781798f6486414163d02aeceeeac72110.

Generic tasks container (WIMNN-31)

[WIMNN-49] Create methodology for document management


Created: 16/Oct/19 Updated: 04/Nov/19 Resolved: 04/Nov/19

Status:	Closed		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Sub-task	Priority:	Major
Reporter:	Tonhauzer Martin	Assignee:	Valastin Viktor
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Task type:	analysis		

Generic tasks container (WIMNN-31)

[WIMNN-65] Create methodology for tasks export


Created: 29/Oct/19 Updated: 03/Nov/19 Resolved: 03/Nov/19

Status:	Closed		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Sub-task	Priority:	Major
Reporter:	Scipa Christian	Assignee:	Scipa Christian
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Attachments:	 metodika-exporthy.pdf		

Generic tasks container (WIMNN-31)

[WIMNN-66] Create methodology for meeting notes and sprint retrospective


Created: 29/Oct/19 Updated: 03/Nov/19 Resolved: 03/Nov/19

Status:	Closed		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Sub-task	Priority:	Major
Reporter:	Scipa Christian	Assignee:	Scipa Christian
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Attachments:	<div><div></div><div>metodika-zapisy-retrospektivy.pdf</div></div>		

Generic tasks container (WIMNN-31)

[WIMNN-67] Create methodology for communication

Created: 30/Oct/19 Updated: 03/Nov/19 Resolved: 03/Nov/19

Status:	Closed		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Sub-task	Priority:	Major
Reporter:	Scipa Christian	Assignee:	Scipa Christian
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Attachments:	<div><div></div>metodika-komunikacia.pdf</div>		

[WIMNN-50] [Extend VDR development record to have ID in force record section](#)

Created: 18/Oct/19 Updated: 29/Oct/19

Status:

To Do

Project:

[WIM Neural Network](#)

Component/s:

None

Fix Version/s:

None

Type:

Story

Priority:

Major

Reporter:

[Bacik Zdenko](#)

Assignee:

Unassigned

Resolution:

Unresolved

Votes:

0

Labels:

None

Σ Remaining Estimate:

Not Specified

Remaining Estimate:

Not Specified

Σ Time Spent:

Not Specified

Time Spent:

Not Specified

Σ Original Estimate:

Not Specified

Original Estimate:

Not Specified

Sub-Tasks:

Key

Summary

Type

Status

Assignee

[WIMNN-62](#)

[Implement](#)

Sub-task

In Progress

Benova Lenka

Business Priority:

Should have

Story Points:

3

Epic Link:

[Collection](#)

Sprint:

WIMNN Sprint 2

Description

As a user of WIM DL device:

- I would like to extend the VDR development record to have an ID of force record.

Acceptance criteria:

- When Development VDR record is exported - the record contains force record with ID.

Generated at Tue Nov 05 08:16:46 CET 2019 by Scipa Christian using JIRA 7.6.10#76012-sha1:c246fcec781798f6486414163d02aeceeeac72110.

Extend VDR development record to have ID in force record section

(WIMNN-50)

[WIMNN-62]

Implement

Created: 29/Oct/19

Updated: 02/Nov/19

Status:	In Progress		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		

Type:	Sub-task	Priority:	Major
Reporter:	Tonhauzer Martin	Assignee:	Benova Lenka
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Task type:	implementation
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Description

Rozsirenje VDR.development recordu o Force ID by ste mali zacet tuna: <https://git.kistler.com/wimnn-tp/wim-sw/blob/master/software/WimDataLogger/src/DatabaseServer/CrossingRecordFromVDR.cpp#L75>

[WIMNN-52] [Implement FTP record stream](#) Created: 18/Oct/19 Updated: 29/Oct/19

Status:

To Do

Project:

[WIM Neural Network](#)

Component/s:

None

Fix Version/s:

None

Type:

Story

Priority:

Major

Reporter:

[Bacik Zdenko](#)

Assignee:

[Benova Lenka](#)

Resolution:

Unresolved

Votes:

0

Labels:

None

Σ Remaining Estimate:

Not Specified

Remaining Estimate:

Not Specified

Σ Time Spent:

Not Specified

Time Spent:

Not Specified

Σ Original Estimate:

Not Specified

Original Estimate:

Not Specified

Sub-Tasks:

Key	Summary	Type	Status	Assignee
WIMNN-63	Implement	Sub-task	To Do	Lazovy Stefan

Business Priority:

Should have

Story Points:

8

Epic Link:

[Collection](#)

Sprint:

WIMNN Sprint 2

Description

As a user of WIM DL device:
I would like to extend the FTP functionality to be able to stream FTP records via WebSocket

Acceptance criteria:

Implement FTP record stream

(WIMNN-52)

[WIMNN-63]

Implement

Created: 29/Oct/19

Updated: 02/Nov/19

Status:	To Do		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Sub-task	Priority:	Major
Reporter:	Tonhauzer Martin	Assignee:	Lazovy Stefan
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Task type:	implementation		

Description

Extend FTP to stream using websockets.

1. Implementacia websocket streamu: <https://git.kistler.com/wimnn-tp/wim-sw/blob/master/software/WimDataLogger/src/Hardware/WebSocketServer.h>

2. Inicializacia: <https://git.kistler.com/wimnn-tp/wim-sw/blob/master/software/WimDataLogger/src/DatabaseServer/CrossingConsumer.cpp#L52>

3. Pouzitie: <https://git.kistler.com/wimnn-tp/wim-sw/blob/master/software/WimDataLogger/src/DatabaseServer/CrossingConsumer.cpp#L52>

[WIMNN-60] [Analyze if current FPT record is suitable for neural netowrk](#)

Created: 24/Oct/19 Updated: 29/Oct/19

Status:

To Do

Project:

[WIM Neural Network](#)

Component/s:

None

Fix Version/s:

None

Type:

Story

Priority:

Major

Reporter:

[Bacik Zdenko](#)

Assignee:

Unassigned

Resolution:

Unresolved

Votes:

0

Labels:

None

Σ Remaining Estimate:

Not Specified

Remaining Estimate:

Not Specified

Σ Time Spent:

Not Specified

Time Spent:

Not Specified

Σ Original Estimate:

Not Specified

Original Estimate:

Not Specified

Sub-Tasks:

Key

Summary

Type

Status

Assignee

[WIMNN-64](#)

[Analyze](#)

Sub-task

In Progress

Chreno Martin

Business Priority:

Should have

Story Points:

5

Sprint:

WIMNN Sprint 2

Description

As a user of WIM DL, I would like to know if the current FPT record is suitable for Neural Network input.

Acceptance criteria:

The proposal if the current solution of FPT record is possible to use for NN network simulation or we have to extend FPT records.

Generated at Tue Nov 05 08:18:39 CET 2019 by Scipa Christian using JIRA 7.6.10#76012-sha1:c246fcec781798f6486414163d02aeceec72110.

Analyze if current FPT record is suitable for neural netowrk (WIMNN-60)

[WIMNN-64]

Analyze

Created: 29/Oct/19 Updated: 04/Nov/19

Status:	In Progress		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Sub-task	Priority:	Major
Reporter:	Tonhauzer Martin	Assignee:	Chreno Martin
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Task type:	analysis		

[WIMNN-57] Prepare enviroment for development <small>Created: 22/Oct/19 Updated: 05/Nov/19</small>			
Status:	In Progress		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Story	Priority:	Major
Reporter:	Tonhauzer Martin	Assignee:	Lazovy Stefan
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Business Priority:	Should have		
Story Points:	3		
Sprint:	WIMNN Sprint 2		
Description			
create "how to" steps to get ready enviroment for changes in source codes			
Comments			
Comment by Tonhauzer Martin [05/Nov/19]			
ive created rough step-by-step for windows users to run remote IDE			

[WIMNN-59] Follow TP Webpage requirements Created: 22/Oct/19 Updated: 01/Nov/19 Resolved: 01/Nov/19			
Status:	Closed		
Project:	WIM Neural Network		
Component/s:	None		
Fix Version/s:	None		
Type:	Story	Priority:	Major
Reporter:	Tonhauzer Martin	Assignee:	Valastin Viktor
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Business Priority:	Should have		
Story Points:	3		
Sprint:	WIMNN Sprint 2		

Description
<p>Visit TP info page of prof Bielikova and find out all the new and necessary documents she needs from us.</p>
<div></div> <div><ul style="list-style-type: none">• názov témy• plán projektu (na semester)• aktuálny stav plnenia plánu (t.j., úlohy, ktoré vyplynuli zo stretnutí, ich plnenie a vzťah k plánu)• roly jednotlivých členov tímu (aj dočasné)• odkazy na doteraz vypracovanú dokumentáciu vrátane záznamov zo stretnutí (záznamy zo stretnutí budú priamo čitateľné na webe, t.j. najlepšie vo formáte pdf, prípadne HTML)• všetko zaujímavé v súvislosti s projektom a postupom prác na projekte, napr. odkazy na iné zdroje súvisiace s témou projektu• Webové sídlo bude obsahovať viditeľne pre človeka na prvej stránke mailový kontakt na tím.</div>

Comments
Comment by Valastin Viktor [01/Nov/19]
Added fancy links