



## CAPSTONE PROJECT 2

CMU-SE-451 / CMU-IS-451 / CMU-CS-451

### SPRINT BACKLOG & BURN DOWN CHART DOCUMENT

Version 2.0

Date: 1 - Mar - 2021

### EXPERT-DRIVEN SMART DASHBOARD APPLICATION

**Submitted by**

Vo Van Hoa  
Pham Van Tin  
Ky Huu Dong  
Tran Thi Thanh Kieu

**Approved by**

**Capstone Project 2 - Mentor:**

Name

Signature

Date

Binh, Thanh Nguyen \_\_\_\_\_

A handwritten signature in blue ink, appearing to read 'Nguyen Binh Thanh', written over a horizontal line.

\_\_\_\_\_ 26 - May - 2020

PROJECT INFORMATION			
<b>Project Acronym</b>	EDSDA		
<b>Project Title</b>	Expert-Driven Smart Dashboard Application		
<b>Project Web URL</b>	<a href="https://sda-research.ml/">https://sda-research.ml/</a>		
<b>Start Date</b>	01 - Mar - 2021		
<b>End Date:</b>	02 - Jun - 2021		
<b>Lead Institution</b>	International School, Duy Tan University		
<b>Project Mentor</b>	Ph.D Binh, Thanh Nguyen		
<b>Scrum Master</b>	Hoa, Vo	hoavo.dng@gmail.com	0935.193.182
<b>Team Members</b>	Tin, Pham Van	tinphamvan123@gmail.com	0932.535.175
	Dong, Ky Huu	kyhuudong@gmail.com	0898.246.980
	Kieu, Tran Thi Thanh	thanhkieuTRAN391@gmail.com	0358.583.251

DOCUMENT INFORMATION			
<b>Document Title</b>	Sprint Backlog & Burn Down Chart		
<b>Author(s)</b>	Team C2SE.06		
<b>Role</b>	[EDSDA] Sprint Backlog & Burn Down Chart v2.1		
<b>Date</b>	01 - Mar - 2021	Filename	[EDSDA] 009 Sprint Backlog & Burn Down Chart
<b>URL</b>	<a href="https://github.com/sdateamdtu2020/SDA-v2.0">https://github.com/sdateamdtu2020/SDA-v2.0</a>		
<b>Access</b>	Project and CMU Program		

## REVISION HISTORY

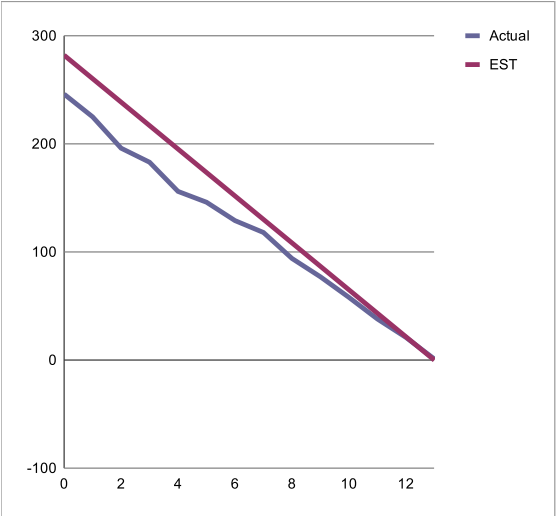
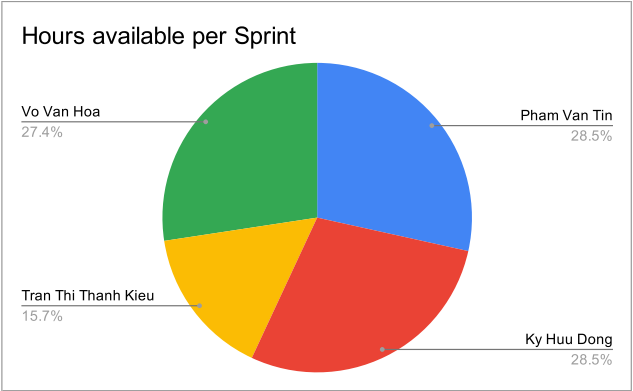
Version	Person(s)	Date	Description	Approval
Draft	Hoa, Vo	01 - Mar - 2021	Initiate document	Draft
2.0	All members	14 - Mar- 2021	Finish content of the document	2.0
2.1	All members	25 - May - 2021	Update content, fix typo	2.1

Sprint 1																										
C2SE-06 Team																										
#	Hours available per Sprint	Member Name																								
1	80	Pham Van Tin	Start date	Mar 1, 2021																						
2	80	Ky Huu Dong	End date	Mar 14, 2021																						
3	44	Tran Thi Thanh Kieu																								
4	77	Vo Van Hoa																								
No.	BACKLOG ID	Task Description	Responsible	Status	Initial Est.	Comp.	Day 14 01/03/202	Day 13 02/03/202	Day 12 03/03/202	Day 11 04/03/202	Day 10 05/03/202	Day 9 06/03/202	Day 8 07/03/202	Day 7 08/03/202	Day 6 09/03/202	Day 5 10/03/202	Day 4 11/03/202	Day 3 12/03/202	Day 2 13/03/202	Day 1 14/03/202	Hoa	Tin	Dong	Kieu		
					282	1	246	225	196	183	156	146	129	118	94	77	58	38	21	1						
1	Sprint Detail Plan		All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1	
2	Sprint Backlog		All member	Completed	4	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1	
3	Pre-sprint	Planning meeting	All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1	
4		Proposal Document	All member	Completed	4	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1	
5		Project Plan Document	All member	Completed	4	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1	
6		Product Backlog Document	All member	Completed	4	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1	
7		Design Wireframe UI	All member	Completed	16	0	16	16	12	8	4	4	0	0	0	0	0	0	0	0	x	x	x	x	4	
8	Data Modeling	Initiate RML process	Hoa Vo	Completed	24	0	24	21	17	14	11	6	3	0	0	0	0	0	0	0	x				24	
9		Initiate MIRROR	Hoa Vo	Completed	23	0	23	23	23	23	23	23	22	17	15	9	4	0	0	x				23		
10		Initiate GraphDB Database	Hoa Vo	Completed	20	0	15	13	10	5	0	0	0	0	0	0	0	0	0	0	x				20	
11	Data Warehouse Designing	Overview Database Design	Dong Ky	Completed	5	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0			x		5	
12		Turn information items into columns	Dong Ky	Completed	5	0	5	5	4	4	0	0	0	0	0	0	0	0	0	0			x		5	
13		Specify primary, foreign keys	Dong Ky	Completed	5	0	5	5	5	4	4	0	0	0	0	0	0	0	0	0			x		5	
14		Specify dimensions, measure, staging area tables	Dong Ky	Completed	10	0	5	5	5	5	4	4	0	0	0	0	0	0	0	0			x		10	
15		Relation all the tables	Dong Ky	Completed	5	0	5	5	5	5	5	4	4	0	0	0	0	0	0	0			x		5	
16	Set up database	Design database OOP for generating database	Dong Ky	Completed	10	0	5	5	5	5	5	5	4	4	0	0	0	0	0	0			x		10	
17		Create python script for OOP database	Dong Ky	Completed	15	0	5	5	5	5	5	5	5	4	4	2	2	0	0	0			x		15	
18		Database dimensions, facts, staging area generator query	Dong Ky	Completed	15	0	5	5	5	5	5	5	5	5	5	5	5	5	5	0			x		15	
19	Design	Brand Identity	Tin Pham	Completed	20	0	20	15	15	15	5	5	0	0	0	0	0	0	0	0		x			20	
20		Default screen	Tin Pham	Completed	5	0	5	5	5	5	5	5	5	5	0	0	0	0	0	0		x			5	
21		Introduction screen	Tin Pham	Completed	5	0	5	5	5	5	5	5	5	5	5	0	0	0	0	0		x			5	
22		Example screen	Tin Pham	Completed	20	0	20	20	20	20	20	20	20	20	17	14	6	0	0	0		x			20	
23		Toolbox screne	Tin Pham	Completed	15	0	15	15	15	15	15	15	15	15	15	15	15	15	13	5	0		x			15

Sprint 1																										
C2SE-06 Team																										
#	Hours available per Sprint	Member Name																								
1	80	Pham Van Tin	Start date	Mar 1, 2021																						
2	80	Ky Huu Dong	End date	Mar 14, 2021																						
3	44	Tran Thi Thanh Kieu																								
4	77	Vo Van Hoa																								
No.	BACKLOG ID	Task Description	Responsible	Status	Initial Est.	Comp.	Day 14 01/03/202	Day 13 02/03/202	Day 12 03/03/202	Day 11 04/03/202	Day 10 05/03/202	Day 9 06/03/202	Day 8 07/03/202	Day 7 08/03/202	Day 6 09/03/202	Day 5 10/03/202	Day 4 11/03/202	Day 3 12/03/202	Day 2 13/03/202	Day 1 14/03/202	Hoa	Tin	Dong	Kieu		
24	Testing	About modal	Tin Pham	Completed	5	0	5	5	5	5	5	5	5	5	5	5	5	5	5	0		x			5	
25		Test Plan document	Kieu Tran	Completed	4	0	4	4	4	4	4	4	4	2	0	0	0	0	0	0				x	4	
26		Write Test Case document	Kieu Tran	In Progress	31	1	31	31	31	31	31	31	31	31	31	26	21	16	11	6	1				x	30

Working hours per day
21.7

Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13
EST	282	260	239	217	195	174	152	130	108	87	65	43	22	0
Actual	246	225	196	183	156	146	129	118	94	77	58	38	21	1

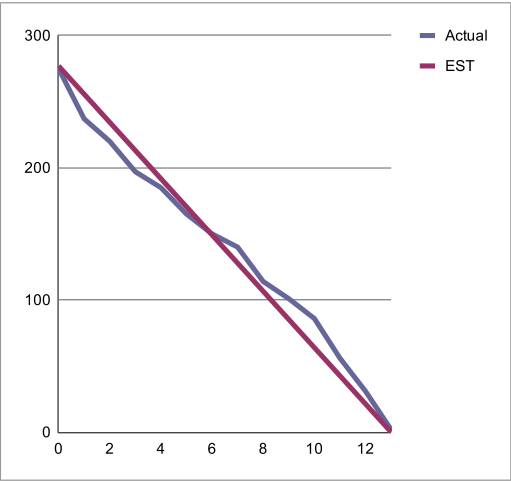
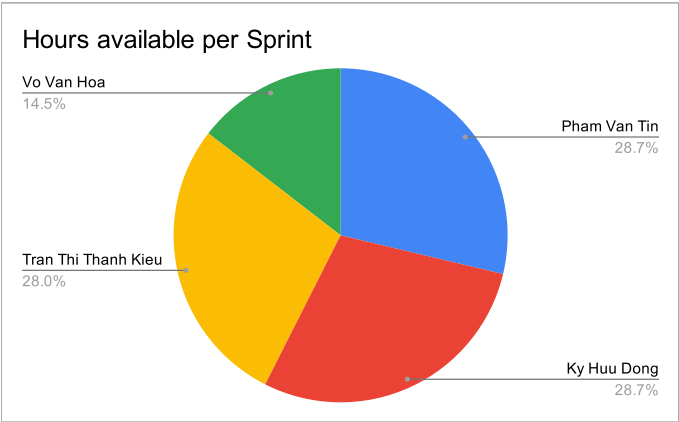


Sprint 2 C2SE-06 Team			EXPERT-DRIVEN SMART DASHBOARD APPLICATION																											
#	Hours available per Sprint	Member Name																												
1	79	Pham Van Tin	Start date	Mar 15, 2021																										
2	79	Ky Huu Dong	End date	Mar 28, 2021																										
3	77	Tran Thi Thanh Kieu																												
4	40	Vo Van Hoa																												
No.	BACKLOG ID	Task Description	Responsible	Status	Initial Est.	Comp.	Day 14 15/03/202	Day 13 16/03/202	Day 12 17/03/202	Day 11 18/03/202	Day 10 19/03/202	Day 9 20/03/202	Day 8 21/03/202	Day 7 22/03/202	Day 6 23/03/202	Day 5 24/03/202	Day 4 25/03/202	Day 3 26/03/202	Day 2 27/03/202	Day 1 28/03/202	Vo Van Hoa	Tin Pham	Dong Ky	Kieu Tran						
					277	2	275	237	220	197	185	165	150	140	114	101	86	56	31	2										
1	Sprint Detail Plan		All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1					
2	Sprint Backlog		All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1					
3	Pre-sprint	Planning meeting	All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1					
4		Sprint Retrospective	All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1					
5	Data processing	Define common mapping for RML & MIRROR	Hoa Vo	Completed	16	0	14	14	14	11	9	9	9	9	3	0	0	0	0	0	x				16					
6		Implement API for importing data, getting data from GraphDB	Hoa Vo	Completed	20	0	20	18	16	16	16	16	16	16	16	16	16	10	5	0	x				20					
7		Design edsda-etl folder structure	Dong Ky	Completed	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0			x		5					
8		Design clean engine for raw data source 1 with bonobo	Dong Ky	Completed	10	0	10	5	5	0	0	0	0	0	0	0	0	0	0	0			x		10					
9		Create clean engine, and data pipeline for raw data source 1 with bonobo	Dong Ky	Completed	15	0	15	15	10	5	5	0	0	0	0	0	0	0	0	0			x		15					
10		Perform clean engine for raw data source 1	Dong Ky	Completed	15	0	15	15	15	15	15	10	5	5	0	0	0	0	0	0			x		15					
11		Design clean engine for raw data source 2 with bonobo	Dong Ky	Completed	10	0	10	10	10	10	10	10	10	10	10	5	5	0	0	0	0			x		10				
12		Create clean engine, and data pipeline for raw data source 2 with bonobo	Dong Ky	Completed	10	0	10	10	10	10	10	10	10	10	10	10	10	10	2	0	0			x		10				
13		Perform clean engine for raw data source 2	Dong Ky	Completed	10	0	10	10	10	10	10	10	10	10	10	10	10	10	10	8	0			x		10				
14		Build UI	Initial React Project	Tin Pham	Completed	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0		x			5				
15	Setup enviroment for Dev & Test		Tin Pham	Completed	10	0	10	10	5	0	0	0	0	0	0	0	0	0	0	0		x			10					
16	Implement common components		Tin Pham	Completed	20	0	20	20	20	20	15	10	5	0	0	0	0	0	0	0		x			20					
17	Navigation bar component		Tin Pham	Completed	10	0	10	10	10	10	10	10	10	10	5	0	0	0	0	0		x			10					
18	Setup basic Information component		Tin Pham	Completed	20	0	20	20	20	20	20	20	20	20	20	20	20	15	10	5	0		x		20					
19	Setup basic Editor Paner component		Tin Pham	Completed	10	0	10	10	10	10	10	10	10	10	10	10	10	10	7	4	0		x			10				
20	Testing	Write Test case for all features in Base UI	Kieu Tran	Completed	35	0	35	30	25	20	15	10	5	0	0	0	0	0	0	0				x	35					
21		Test the feature in Base UI	Kieu Tran	In Progress	40	2	40	40	40	40	40	40	40	40	40	35	30	25	17	9	2				x	38				

Sprint 2										EXPERT-DRIVEN SMART DASHBOARD APPLICATION																		
C2SE-06 Team																												
#	Hours available per Sprint	Member Name																										
1	79	Pham Van Tin			Start date	Mar 15, 2021																						
2	79	Ky Huu Dong			End date	Mar 28, 2021																						
3	77	Tran Thi Thanh Kieu																										
4	40	Vo Van Hoa																										
No.	BACKLOG ID	Task Description			Responsible	Status	Initial Est.	Comp.	Day 14 15/03/202	Day 13 16/03/202	Day 12 16/03/202	Day 11 17/03/202	Day 10 18/03/202	Day 9 19/03/202	Day 8 20/03/202	Day 7 21/03/202	Day 6 22/03/202	Day 5 23/03/202	Day 4 24/03/202	Day 3 25/03/202	Day 2 26/03/202	Day 1 27/03/202	Day 1 28/03/202	1 Hoa	Tin	Dong	Kieu	

Working hours per day
21.3

Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13
EST	277	256	234	213	192	171	149	128	107	85	64	43	21	0
Actual	275	237	220	197	185	165	150	140	114	101	86	56	31	2



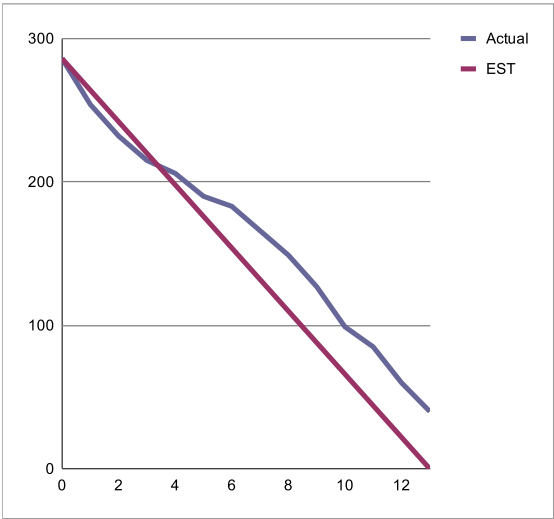
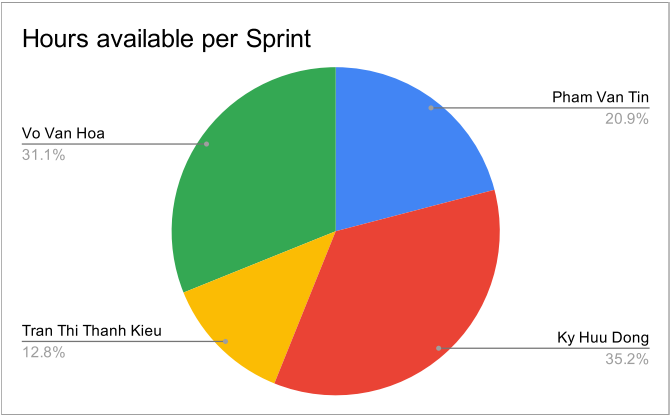
Sprint 3 C2SE-06 Team					EXPERT-DRIVEN SMART DASHBOARD APPLICATION																				
#	Hours available per Sprint	Member Name																							
1	51.5	Pham Van Tin	Start date	Mar 29, 2021																					
2	86.5	Ky Huu Dong	End date	Apr 11, 2021																					
3	31.5	Tran Thi Thanh Kieu																							
4	76.5	Vo Van Hoa																							
No.	BACKLOG ID	Task Description (User Story/Use Case Broken Down)	Responsible	Status(Not Started In Progress Completed)	Initial Est.	Comp.	Day 14 29/03/2021	Day 13 30/03/2021	Day 12 31/03/2021	Day 11 01/04/2021	Day 10 02/04/2021	Day 9 03/04/2021	Day 8 04/04/2021	Day 7 05/04/2021	Day 6 06/04/2021	Day 5 07/04/2021	Day 4 08/04/2021	Day 3 09/04/2021	Day 2 10/04/2021	Day 1 11/04/2021	Hoa	Tin	Dong	Kieu	
					286	40	286	254	232	215	206	190	183	166	149	127	99	85	60	40					
1	Sprint Detail Plan		All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1
2	Sprint Backlog		All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1
3	Pre-sprint	Planning meeting	All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1
4		Sprint Retrospective	All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1
5	Data processing	Describe common schema for RDF Data Cubes	Hoa Vo	Completed	30	0	30	27	23	20	16	13	13	10	6	2	0	0	0	0	x				30
6		Run RML & MIRROR with sample data	Hoa Vo	Completed	35	0	35	35	35	35	35	35	35	30	24	20	14	10	5	0	x				35
7		Create clean engine, and data pipeline for raw data source 3 with bonobo	Dong Ky	Completed	10	0	10	5	0	0	0	0	0	0	0	0	0	0	0	0			x		10
8		Perform clean engine for raw data source 3	Dong Ky	Completed	10	0	10	10	5	0	0	0	0	0	0	0	0	0	0	0			x		10
9		Design clean engine for raw data source 3 with bonobo	Dong Ky	Completed	10	0	10	10	10	5	5	0	0	0	0	0	0	0	0	0			x		10
10		Create clean engine, and data pipeline for raw data source 3 with bonobo	Dong Ky	Completed	15	0	15	15	15	15	15	12	10	6	4	0	0	0	0	0			x		15
11		Perform clean engine for raw data source 3	Dong Ky	Completed	15	0	15	15	15	15	15	15	15	15	15	10	5	5	0	0			x		15
12	Dashboard UI	Build function drag & drop item from sidebar to main	Tin Pham	Completed	20	0	20	12	4	0	0	0	0	0	0	0	0	0	0	0		x			20
13		Restructure UI	Tin Pham	Completed	20	0	20	20	20	20	15	10	5	0	0	0	0	0	0	0		x			20
14	Desgin	Design new format of UI	All member	In Progress	40	10	40	40	40	40	40	40	40	40	35	30	25	20	15	10	X	x	X	X	7.5
15	Testing	Testing the data pipeline for raw data sources	Dong Ky	Completed	15	0	15	15	15	15	15	15	15	15	15	15	10	10	5	0			x		15
16		Write test cases for new UI	Kieu Tran	In Progress	50	30	50	50	50	50	50	50	50	50	50	50	45	40	35	30				X	20



Sprint 3						EXPERT-DRIVEN SMART DASHBOARD APPLICATION																			
C2SE-06 Team																									
#	Hours available per Sprint	Member Name																							
1	51.5	Pham Van Tin	Start date	Mar 29, 2021																					
2	86.5	Ky Huu Dong	End date	Apr 11, 2021																					
3	31.5	Tran Thi Thanh Kieu																							
4	76.5	Vo Van Hoa																							
No.	BACKLOG ID	Task Description (User Story/Use Case Broken Down)	Responsible	Status(Not Started In Progress Completed)	Initial Est.	Comp.	Day 14 29/03/2021	Day 13 30/03/2021	Day 12 31/03/2021	Day 11 01/04/2021	Day 10 02/04/2021	Day 9 03/04/2021	Day 8 04/04/2021	Day 7 05/04/2021	Day 6 06/04/2021	Day 5 07/04/2021	Day 4 08/04/2021	Day 3 09/04/2021	Day 2 10/04/2021	Day 1 11/04/2021	Hoa	Tin	Dong	Kieu	

Working hours per day
22

Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13
EST	286	264	242	220	198	176	154	132	110	88	66	44	22	0
Actual	286	254	232	215	206	190	183	166	149	127	99	85	60	40

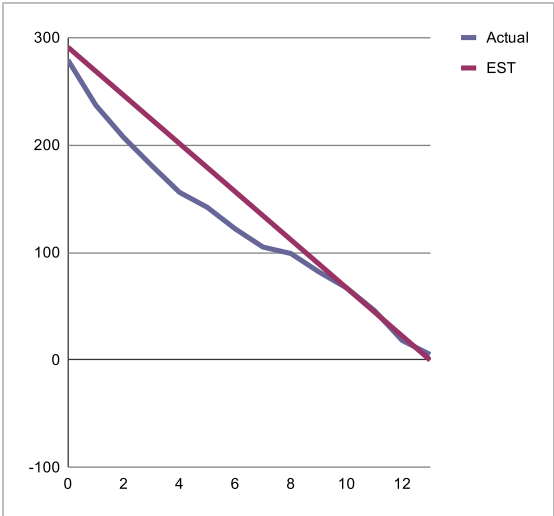
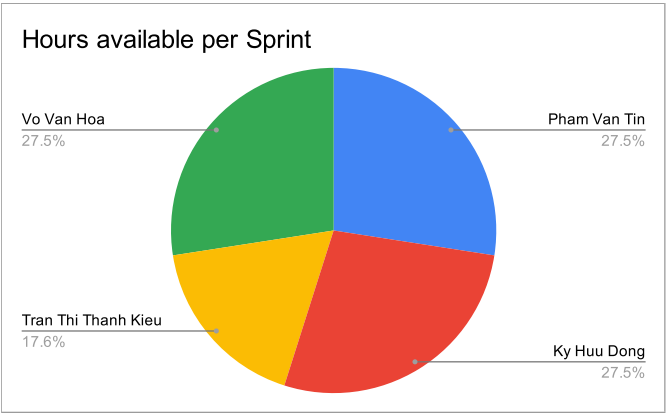


Sprint 4			EXPERT-DRIVEN SMART DASHBOARD APPLICATION																									
C2SE-06 Team																												
#	Hours available per Sprint	Member Name																										
1	84	Pham Van Tin	Start date	Apr 19, 2021																								
2	84	Ky Huu Dong	End date	May 2, 2021																								
3	54	Tran Thi Thanh Kieu																										
4	84	Vo Van Hoa																										
No.	BACKLOG ID	Task Description (User Story/Use Case Broken Down)	Responsible	Status(Not Started In Progress Completed)	Initial Est.	Comp.	Day 14 19/04/2021	Day 13 20/04/2021	Day 12 21/04/2021	Day 11 22/04/2021	Day 10 23/04/2021	Day 9 24/04/2021	Day 8 25/04/2021	Day 7 26/04/2021	Day 6 27/04/2021	Day 5 28/04/2021	Day 4 29/04/2021	Day 3 30/04/2021	Day 2 01/05/2021	Day 1 02/05/2021	Hoa	Tin	Dong	Kieu				
					291	5	279	237	207	181	156	142	122	105	99	82	67	46	18	5								
1	Sprint Detail Plan		All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1			
2	Sprint Backlog		All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1			
3	Pre-sprint	Planning meeting	All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1			
4		Sprint Retrospective	All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1			
5	Data processing	Customize RML & MIRROR	Hoa Vo	Completed	40	0	38	32	27	21	16	12	12	7	7	7	7	7	3	0	x				40			
6		Implement pipeline for automating RDF Data Cube generation	Hoa Vo	Completed	30	0	20	20	20	20	20	20	20	16	12	8	8	8	2	0	x				30			
7		Implement insert, update method	Dong Ky	Completed	10	0	10	5	0	0	0	0	0	0	0	0	0	0	0	0			X		10			
8		Implement ETL to perform data to Data warehouse	Dong Ky	Completed	15	0	15	10	5	0	0	0	0	0	0	0	0	0	0	0			X		15			
9		Design base workflow for Data warehouse	Dong Ky	Completed	10	0	10	10	10	5	0	0	0	0	0	0	0	0	0	0			X		10			
10		Perform base workflow for Data warehouse	Dong Ky	Completed	15	0	15	15	15	15	10	5	5	0	0	0	0	0	0	0			X		15			
11	ETL Process Validating	Perform ETL with bonobo	Dong Ky	In Progress	15	0	15	15	15	15	15	15	15	12	10	5	3	0	0	0			X		15			
12		Implement enrich data engine	Dong Ky	In Progress	15	0	15	15	15	15	15	15	15	15	15	15	10	5	0	0			X		15			
13	Dashboard UI	Setup the basic common component on new UI	Tin Pham	Completed	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0		x			5			
14		Create Default Screen	Tin Pham	Completed	10	0	10	10	5	0	0	0	0	0	0	0	0	0	0	0		x			10			
15		Create introduction screen	Tin Pham	Completed	10	0	10	10	10	10	5	0	0	0	0	0	0	0	0	0		x			10			
16		create about screen	Tin Pham	Completed	5	0	5	5	5	5	5	5	0	0	0	0	0	0	0	0		x			5			
17		create Toolbox screen	Tin Pham	In Progress	15	5	15	15	15	15	15	15	15	5	5	5	5	5	5	5		x			10			
18		create Show Example screen	Tin Pham	Completed	40	0	40	40	40	40	40	40	40	40	40	40	32	24	16	8	0		x			40		
19		Test RML process	Hoa Vo	Completed	10	0	10	10	10	10	10	10	10	10	10	10	10	5	0	0	x				10			
20		Test DW ETL process	Kieu Tran	Completed	10	0	10	5	0	0	0	0	0	0	0	0	0	0	0	0				x	10			
21		Test workflow for DW	Kieu Tran	Completed	10	0	10	10	5	0	0	0	0	0	0	0	0	0	0	0				x	10			

Sprint 4			EXPERT-DRIVEN SMART DASHBOARD APPLICATION																							
C2SE-06 Team																										
#	Hours available per Sprint	Member Name																								
1	84	Pham Van Tin	Start date	Apr 19, 2021																						
2	84	Ky Huu Dong	End date	May 2, 2021																						
3	54	Tran Thi Thanh Kieu																								
4	84	Vo Van Hoa																								
No.	BACKLOG ID	Task Description (User Story/Use Case Broken Down)	Responsible	Status(Not Started In Progress Completed)	Initial Est.	Comp.	Day 14 19/04/2021	Day 13 20/04/2021	Day 12 21/04/2021	Day 11 22/04/2021	Day 10 23/04/2021	Day 9 24/04/2021	Day 8 25/04/2021	Day 7 26/04/2021	Day 6 27/04/2021	Day 5 28/04/2021	Day 4 29/04/2021	Day 3 30/04/2021	Day 2 01/05/2021	Day 1 02/05/2021	Hoa	Tin	Dong	Kieu		
22	Testing	Test default Screen	Kieu Tran	Completed	5	0	5	5	5	5	0	0	0	0	0	0	0	0	0				x	5		
23		Test introduction screen	Kieu Tran	Completed	5	0	5	5	5	5	5	5	0	0	0	0	0	0	0				x	5		
24		Test about screen	Kieu Tran	Completed	5	0	5	5	5	5	5	5	5	0	0	0	0	0	0				x	5		
25		Test Toolbox screen	Kieu Tran	In Progress	10	5	10	10	10	10	10	10	10	10	5	5	5	5	5				x	5		
26		Test Show Example screen: widget on Editor Pane component	Kieu Tran	In Progress	35	25	35	35	35	35	35	35	35	35	35	35	35	30	25	25				x	10	

Working hours per day
22.4

Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13
EST	291	269	246	224	201	179	157	134	112	89	67	45	22	0
Actual	279	237	207	181	156	142	122	105	99	82	67	46	18	5

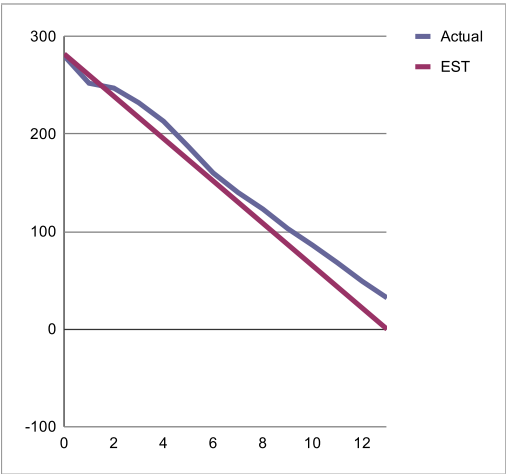
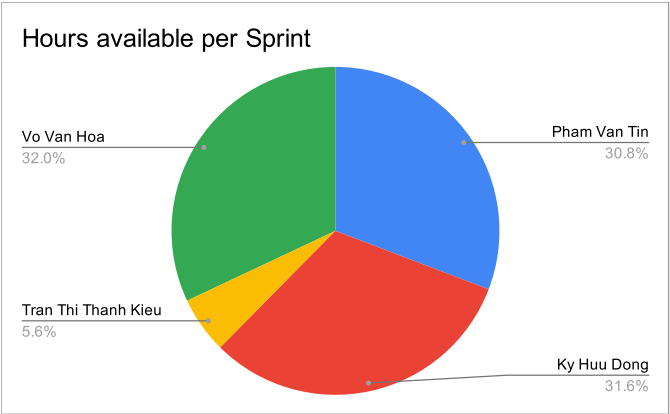


Sprint 5		EXPERT-DRIVEN SMART DASHBOARD APPLICATION																									
C2SE-06 Team																											
#	Hours available per Sprint	Member Name																									
1	77	Pham Van Tin		Start date	May 3, 2021																						
2	79	Ky Huu Dong		End date	May 16, 2021																						
3	14	Tran Thi Thanh Kieu																									
4	80	Vo Van Hoa																									
No.	BACKLOG ID	Task Description (User Story/Use Case Broken Down)		Responsible	Status(Not Started In Progress Completed)	Initial Est.	Comp.	Day 14 03/05/2021	Day 13 04/05/2021	Day 12 05/05/2021	Day 11 06/05/2021	Day 10 07/05/2021	Day 9 08/05/2021	Day 8 09/05/2021	Day 7 10/05/2021	Day 6 11/05/2021	Day 5 12/05/2021	Day 4 13/05/2021	Day 3 14/05/2021	Day 2 15/05/2021	Day 1 16/05/2021	Hoa	Tin	Dong	Kieu		
						282	32	280	252	247	232	213	187	160	140	123	103	86	68	49	32						
1	Sprint Detail Plan			Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1	
2	Sprint Backlog			Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1	
3	Pre-sprint	Planning meeting		Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1	
4		Sprint Retrospective		Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1	
5	Data processing	Integrate automate ETL & RDF generation	Hoa Vo	Completed	34	0	32	30	30	25	21	16	12	10	10	10	8	4	4	0	x				34		
6		Automating detect dimension & measure	Hoa Vo	Completed	32	0	32	32	32	32	32	26	21	16	12	10	8	8	4	0	x				32		
7	Import data source	Build basic UI for import interface	Dong Ky	Completed	10	0	10	10	10	5	0	0	0	0	0	0	0	0	0	0				x		10	
8		Implement logic for import UI	Dong Ky	Completed	15	0	15	15	15	15	10	5	0	0	0	0	0	0	0	0				x		15	
9		Implement server for handling import data	Dong Ky	In Progress	20	0	20	20	20	20	20	20	15	10	5	0	0	0	0	0				x		20	
10		Implement import engine	Dong Ky	In Progress	20	0	20	20	20	20	20	20	20	20	20	15	10	5	0	0				x		20	
11	ETL Process Validating	Perform ETL with bonobo	Dong Ky	Completed	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0				x		5	
12		Implement enrich data engine	Dong Ky	Completed	5	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0				x		5	
13	Dashboard UI	continue create Toolbox	Tin Pham	Completed	5	0	5	5	5	0	0	0	0	0	0	0	0	0	0	0			x			5	
14		create import widget	Tin Pham	Completed	5	0	5	5	5	5	0	0	0	0	0	0	0	0	0	0			x			5	
15		create import function	Tin Pham	In Progress	35	22	35	35	35	35	35	30	22	22	22	22	22	22	22	22	22			x		13	
16		create function to view the EDSDA's data source on widget	Tin Pham	Completed	25	0	25	25	25	25	25	25	25	17	9	1	0	0	0	0			x			25	
17		create function to merge multi widget	Tin Pham	Completed	10	0	10	10	10	10	10	10	10	10	10	10	3	0	0	0			x			10	
18		visualization data on Charts	Tin Pham	Completed	15	0	15	15	15	15	15	15	15	15	15	15	15	9	4	0			x			15	
19		Test RDF generator & ETL pipeline	Hoa Vo	Completed	5	0	5	5	5	5	5	5	5	5	5	5	5	5	5	0	x				5		
20		Test dim & measure detector	Kieu Tran	Completed	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0				x	5		
21		Test automatic processing	Hoa Vo	Completed	5	0	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	x				5	

Sprint 5			EXPERT-DRIVEN SMART DASHBOARD APPLICATION																								
C2SE-06 Team																											
#	Hours available per Sprint	Member Name																									
1	77	Pham Van Tin	Start date	May 3, 2021																							
2	79	Ky Huu Dong	End date	May 16, 2021																							
3	14	Tran Thi Thanh Kieu																									
4	80	Vo Van Hoa																									
No.	BACKLOG ID	Task Description (User Story/Use Case Broken Down)	Responsible	Status(Not Started In Progress Completed)	Initial Est.	Comp.	Day 14 03/05/2021	Day 13 04/05/2021	Day 12 05/05/2021	Day 11 06/05/2021	Day 10 07/05/2021	Day 9 08/05/2021	Day 8 09/05/2021	Day 7 10/05/2021	Day 6 11/05/2021	Day 5 12/05/2021	Day 4 13/05/2021	Day 3 14/05/2021	Day 2 15/05/2021	Day 1 16/05/2021	Hoa	Tin	Dong	Kieu			
22	Testing	Test the import widget	Kieu Tran	Completed	5	0	5	5	5	5	5	0	0	0	0	0	0	0	0	0				x	5		
23		Test the logic of import function	Kieu Tran	Completed	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				x	0		
24		Test the Tree View of ESDA data source on widget	Kieu Tran	Completed	5	0	5	5	5	5	5	5	5	5	5	5	0	0	0				x	5			
25		Test the data in Information component	Kieu Tran	Completed	20	0	20	20	20	20	20	20	17	10	7	5	2	0	0	0				x	20		
26		Test Toolbox UI	Kieu Tran	Completed	15	0	15	15	15	15	15	15	15	15	15	15	12	8	3	0				x	15		
27		Write test for visualization on Charts	Kieu Tran	Completed	5	0	5	5	5	5	5	5	5	5	5	5	5	5	5	0				x	5		
28		Continue Test the Show Example screen	Kieu Tran	Completed	25	0	25	25	20	15	10	5	0	0	0	0	0	0	0	0				x	25		

Working hours per day
21.7

Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13
EST	282	260	239	217	195	174	152	130	108	87	65	43	22	0
Actual	280	252	247	232	213	187	160	140	123	103	86	68	49	32



Sprint 6 C2SE-06 Team					EXPERT-DRIVEN SMART DASHBOARD APPLICATION																									
#	Hours available per Sprint	Member Name																												
1	127	Pham Van Tin	Start date	May 17, 2021																										
2	108	Ky Huu Dong	End date	May 30, 2021																										
3	120	Tran Thi Thanh Kieu																												
4	77	Vo Van Hoa																												
No.	BACKLOG ID	Task Description (User Story/Use Case Broken Down)	Responsible	Status(Not Started In Progress Completed)	Initial Est.	Comp.	Day 14 17/05/2021	Day 13 18/05/2021	Day 12 19/05/2021	Day 11 20/05/2021	Day 10 21/05/2021	Day 9 22/05/2021	Day 8 23/05/2021	Day 7 24/05/2021	Day 6 25/05/2021	Day 5 26/05/2021	Day 4 27/05/2021	Day 3 28/05/2021	Day 2 29/05/2021	Day 1 30/05/2021	Hoa	Tin	Dong	Kieu						
					432	0	429	386	348	311	282	257	232	183	156	102	81	45	20	0										
1	Sprint Detail Plan		All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1					
2	Sprint Backlog		All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1					
3	Pre-sprint	Planning meeting	All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1					
4		Sprint Retrospective	All member	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	x	x	x	x	1					
5	Documents	Reworking Proposal	All member	Completed	4	0	4	4	4	4	4	4	4	0	0	0	0	0	0	0	x	x	x	x	1					
6		Reworking Project Plan	All member	Completed	4	0	4	4	4	4	4	4	4	0	0	0	0	0	0	0	x	x	x	x	1					
7		Architecture Document	All member	Completed	4	0	4	4	4	4	4	4	4	0	0	0	0	0	0	0	x	x	x	x	1					
8		Interface Desgin	All member	Completed	4	0	4	4	4	4	4	4	4	0	0	0	0	0	0	0	x	x	x	x	1					
9		Database Design	All member	Completed	4	0	4	4	4	4	4	4	4	0	0	0	0	0	0	0	x	x	x	x	1					
10		Test Plan	All member	Completed	4	0	4	4	4	4	4	4	4	0	0	0	0	0	0	0	x	x	x	x	1					
11		Test Case	All member	Completed	4	0	4	4	4	4	4	4	4	4	4	0	0	0	0	0	x	x	x	x	1					
12		Acceptance Criteria	All member	Completed	4	0	4	4	4	4	4	4	4	4	4	0	0	0	0	0	x	x	x	x	1					
13		Technologies Stack	All member	Completed	4	0	4	4	4	4	4	4	4	4	4	0	0	0	0	0	x	x	x	x	1					
14		Team Reflection	All member	Completed	4	0	4	4	4	4	4	4	4	4	4	0	0	0	0	0	x	x	x	x	1					
15		Team meeting document	All member	Completed	4	0	4	4	4	4	4	4	4	4	4	0	0	0	0	0	x	x	x	x	1					
16		Mentor meeting document	All member	Completed	4	0	4	4	4	4	4	4	4	4	4	0	0	0	0	0	x	x	x	x	1					
17	Server Setup	Set up VPS for deploying	Hoa Vo	Completed	26	0	26	22	16	12	6	4	2	0	0	0	0	0	0	0	x				26					
18		Migrate GraphDB to VPS	Hoa Vo	Completed	24	0	24	20	15	10	10	10	10	10	5	0	0	0	0	0	x				24					
19	Import data source	Implement server for handling import data	Dong Ky	Completed	10	0	10	5	0	0	0	0	0	0	0	0	0	0	0	0			X		10					
20		Implement import engine	Dong Ky	Completed	10	0	10	10	5	0	0	0	0	0	0	0	0	0	0	0			X		10					
21		Running Apache Airflow web server and scheduler	Dong Ky	Completed	10	0	10	10	10	5	0	0	0	0	0	0	0	0	0	0			X		10					

Sprint 6 C2SE-06 Team					EXPERT-DRIVEN SMART DASHBOARD APPLICATION																										
#	Hours available per Sprint	Member Name																													
1	127	Pham Van Tin	Start date	May 17, 2021																											
2	108	Ky Huu Dong	End date	May 30, 2021																											
3	120	Tran Thi Thanh Kieu																													
4	77	Vo Van Hoa																													
No.	BACKLOG ID	Task Description (User Story/Use Case Broken Down)	Responsible	Status(Not Started In Progress Completed)	Initial Est.	Comp.	Day 14 17/05/2021	Day 13 18/05/2021	Day 12 19/05/2021	Day 11 20/05/2021	Day 10 21/05/2021	Day 9 22/05/2021	Day 8 23/05/2021	Day 7 24/05/2021	Day 6 25/05/2021	Day 5 26/05/2021	Day 4 27/05/2021	Day 3 28/05/2021	Day 2 29/05/2021	Day 1 30/05/2021	Hoa	Tin	Dong	Kieu							
22	Create workflow for automation ETL	Create base workflow with Apache airflow	Dong Ky	Completed	15	0	15	15	15	15	10	5	0	0	0	0	0	0	0	0			X		15						
23		Create work flow for scheduling craw data source	Dong Ky	Completed	20	0	20	20	20	20	20	20	15	10	5	0	0	0	0	0			X		20						
24		Create work flow for scheduling perform ETL data to data warehouse	Dong Ky	Completed	20	0	20	20	20	20	20	20	20	20	20	15	10	5	0	0			X		20						
25	Dashboard UI	Continue create import function	Tin Pham	Completed	22	0	22	18	10	2	0	0	0	0	0	0	0	0	0	0		X			22						
26		Visualization data on Maps & Table	Tin Pham	Completed	25	0	25	25	25	25	19	11	3	0	0	0	0	0	0	0		X			25						
27		Implement import function with server API	Tin Pham	Completed	40	0	40	40	40	40	40	40	40	35	27	19	10	1	0	0		X			40						
28		Deployment	Tin Pham	Completed	15	0	15	15	15	15	15	15	15	15	15	15	15	8	0	0		X			15						
29	Testing	Test data of visualization on Charts	Kieu Tran	Completed	12	0	12	8	4	0	0	0	0	0	0	0	0	0	0	0				X	12						
30		Test UI of Charts	Kieu Tran	Completed	5	0	5	5	4	0	0	0	0	0	0	0	0	0	0	0				X	5						
31		Test the Tree View of data source on widget	Kieu Tran	Completed	5	0	5	5	5	5	0	0	0	0	0	0	0	0	0	0				X	5						
32		Test Connector and port of widgets	Kieu Tran	Completed	5	0	5	5	5	5	5	0	0	0	0	0	0	0	0	0				X	5						
33		Write Test for visualization on Maps & Table	Kieu Tran	Completed	10	0	10	10	10	10	10	10	5	0	0	0	0	0	0	0				X	10						
34		Write test for Import function	Kieu Tran	Completed	5	0	5	5	5	5	5	5	5	0	0	0	0	0	0	0				X	5						
35		Test function of import	Kieu Tran	Completed	7	0	7	7	7	7	7	2	2	2	0	0	0	0	0	0				X	7						
36		Test the UI on domain: sda-research.surge.sh	Kieu Tran	Completed	40	0	40	40	40	40	40	40	40	40	40	33	26	19	12	5	0				X	40					
37		Import data from UI	Kieu Tran	Completed	2	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0				X	2						
38		Test RDF format	Kieu Tran	Completed	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0				X	2						
39		Test workflows, data pipelines	Hoa Vo	Completed	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	X				4						
40		Test consistency of RDF and DW	Kieu Tran	Completed	4	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0				X	4						
41		Public User Acceptance Test	All member	Completed	8	0	8	8	8	8	8	8	8	8	8	8	8	8	8	4	0	X	X	X	X	2					
42	Presentation	All member			16	0	16	16	16	16	16	16	16	16	16	16	16	8	8	0	X	X	X	X	4						
43	Print Document	Tin Pham	Completed	2	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0		X			2						

Sprint 6					EXPERT-DRIVEN SMART DASHBOARD APPLICATION																							
C2SE-06 Team																												
#	Hours available per Sprint	Member Name																										
1	127	Pham Van Tin			Start date	May 17, 2021																						
2	108	Ky Huu Dong			End date	May 30, 2021																						
3	120	Tran Thi Thanh Kieu																										
4	77	Vo Van Hoa																										
No.	BACKLOG ID	Task Description (User Story/Use Case Broken Down)			Responsible	Status(Not Started In Progress Completed)	Initial Est.	Comp.	Day 14 17/05/2021	Day 13 18/05/2021	Day 12 19/05/2021	Day 11 20/05/2021	Day 10 21/05/2021	Day 9 22/05/2021	Day 8 23/05/2021	Day 7 24/05/2021	Day 6 25/05/2021	Day 5 26/05/2021	Day 4 27/05/2021	Day 3 28/05/2021	Day 2 29/05/2021	Day 1 30/05/2021	Hoa	Tin	Dong	Kieu		
44	Deployment & Release			All member	Completed	4	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	X	X	X	X	1		

Working hours per day
33.2

Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13
EST	432	399	366	332	299	266	233	200	166	133	100	67	34	0
Actual	429	386	348	311	282	257	232	183	156	102	81	45	20	0

