## 

| **International School**  CAPSTONE PROJECT 1  **CMU-SE-450 / CMU-IS-450 / CMU-CS-450**  MENTOR MEETING DOCUMENT  SMART DASHBOARD APPLICATION  Submitted by  Vo Van Hoa  Pham Van Tin  Ky Huu Dong  Tran Thanh Kieu  **Approved by**  **Capstone Project 1 - Mentor:**  Name Signature Date  Binh, Thanh Nguyen \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_14 - Dec- 2020    Name Signature Date  Huy, Truong Dinh \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| --- |

| **PROJECT INFORMATION** | | | |
| --- | --- | --- | --- |
| **Project Acronym** | SDA | | |
| **Project Title** | Smart Dashboard Application | | |
| **Project Web URL** | <https://sda-research.ml/> | | |
| **Start Date** | 12 - Aug - 2020 | | |
| **End Date:** | 15 - Dec - 2020 | | |
| **Lead Institution** | International School, Duy Tan University | | |
| **Project Mentor** | PhD Binh, Nguyen Thanh; MSc Huy, Truong Dinh | | |
| **Scrum Master** | Hoa, Vo | hoavo.dng@gmail.com | 0935.193.182 |
| **Team Members** | Tin, Pham Van | tinphamvan123@gmail.com | 0932.535.175 |
| Dong, Ky Huu | kyhuudong@gmail.com | 0898.246.980 |
| Kieu, Tran Thanh | thanhkieutran391@gmail.com | 0358.583.251 |

| **DOCUMENT INFORMATION** | | | |
| --- | --- | --- | --- |
| **Document Title** | Mentor Meeting Document | | |
| **Author(s)** | Team C1SE.06 | | |
| **Role** | [SDA] Mentor Meeting Document | | |
| **Date** | 14 - Dec - 2020 | File name | Mentor Meeting Document |
| **URL** | <https://github.com/sdateamdtu2020/sda-documents> | | |
| **Access** | Project and CMU Program | | |

#### 17 - Aug - 2020

# SMART DASHBOARD APPLICATION

## MENTOR MEETING

Meeting Date: 17 - Aug - 2020

Meeting Location: Online meeting

Approval: 17 - Aug - 2020

Recorded By: Kieu

## ATTENDANCE

| **Name** | **Title** | **Acronym** | **Present** |
| --- | --- | --- | --- |
| Hoa, Vo | Leader | VH | Yes |
| Tin, Pham Van | Member | VT | Yes |
| Dong, Ky Huu | Member | KD | Yes |
| Kieu, Tran Thanh | Secretary | TK | Yes |

## MEETING LOCATION

* Online meeting: Skype
* Meeting with mentor : Binh ,Nguyen Thanh

## MEETING START

* Meeting Schedule start: 15:00
* Meeting Actual start: 15:00
* Meeting note taker: Kieu

## AGENDA

* Design data warehouse discussion
* ETL discussion
* RDF data cubes discussion

## POST MEETING ACTION ITEMS

| **Action** | **Assigned To** | **Deadline** |
| --- | --- | --- |
| Craw data | Dong | 2 - Sep - 2020 |
| Data warehouse schema | Hoa | 2 - Sep - 2020 |
| Get data from open data cubes | Dong | 2 - Sep - 2020 |
| Design Layout Dashboard | Tin | 2 - Sep - 2020 |
| Design Layout Homepage | Tin | 2 - Sep - 2020 |

## MEETING END

* Meeting Schedule end: 16:00
* Meeting Actual end: 16:00

**Secretary**

Kieu, Tran Thanh

#### 

#### 18 - Aug - 2020

# SMART DASHBOARD APPLICATION

## MENTOR MEETING

Meeting Date: 18 - Aug - 2020

Meeting Location: Online meeting

Approval: 18 - Aug - 2020

Recorded By: Kieu

## ATTENDANCE

| **Name** | **Title** | **Acronym** | **Present** |
| --- | --- | --- | --- |
| Hoa, Vo | Leader | VH | Yes |
| Tin, Pham Van | Member | VT | Yes |
| Dong, Ky Huu | Member | KD | Yes |
| Kieu, Tran Thanh | Secretary | TK | Yes |

## MEETING LOCATION

* Online meeting: Zoom
* Meeting with mentor : Huy ,Truong Dinh

## MEETING START

* Meeting Schedule start: 15:30
* Meeting Actual start: 15:30
* Meeting note taker: Kieu

## AGENDA

* Topic discussion
* Proposal discussion
* Research benefits discussion
* Document requirements

## POST MEETING ACTION ITEMS

| **Action** | **Assigned To** | **Deadline** |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## MEETING END

* Meeting Schedule end: 17:00
* Meeting Actual end: 17:00

**Secretary**

Kieu, Tran Thanh

## 

#### 04 - Sep - 2020

# SMART DASHBOARD APPLICATION

## MENTOR MEETING

Meeting Date: 04 - Sep - 2020

Meeting Location: Online meeting

Approval: 04 - Sep - 2020

Recorded By: Kieu

## ATTENDANCE

| **Name** | **Title** | **Acronym** | **Present** |
| --- | --- | --- | --- |
| Hoa, Vo | Leader | VH | Yes |
| Tin, Pham Van | Member | VT | Yes |
| Dong, Ky Huu | Member | KD | Yes |
| Kieu, Tran Thanh | Secretary | TK | Yes |

## MEETING LOCATION

* Online meeting: Skype
* Meeting with mentor : Binh, Nguyen Thanh

## MEETING START

* Meeting Schedule start: 16:30
* Meeting Actual start: 16:30
* Meeting note taker: Kieu

## AGENDA

* Discuss about data sources
* Discuss about how to load data from CSV to staging area
* Discuss about DW Schema, mapping language

## POST MEETING ACTION ITEMS

| **Action** | **Assigned To** | **Deadline** |
| --- | --- | --- |
| Specification in Data Source, ETL | Dong | 11 - Sep - 2020 |
| Specification in RDF Data Cubes, Linked RDF Data Cubes | Hoa | 11 - Sep - 2020 |
| Highlight province with highcharts & draw diagrams | Tin | 11 - Sep - 2020 |
| Update project plan, product backlog | Kieu | 11 - Sep - 2020 |

## MEETING END

* Meeting Schedule end: 17:30
* Meeting Actual end: 17:30

**Secretary**

Kieu, Tran Thanh

## 

#### 11 - Sep - 2020

# SMART DASHBOARD APPLICATION

## MENTOR MEETING

Meeting Date: 11 - Sep - 2020

Meeting Location: Online meeting

Approval: 11 - Sep - 2020

Recorded By: Kieu

## ATTENDANCE

| **Name** | **Title** | **Acronym** | **Present** |
| --- | --- | --- | --- |
| Hoa, Vo | Leader | VH | Yes |
| Tin, Pham Van | Member | VT | Yes |
| Dong, Ky Huu | Member | KD | Yes |
| Kieu, Tran Thanh | Secretary | TK | Yes |

## MEETING LOCATION

* Online meeting: Skype
* Meeting with mentor : Binh, Nguyen Thanh

## MEETING START

* Meeting Schedule start: 16:30
* Meeting Actual start: 16:30
* Meeting note taker: Kieu

## AGENDA

* Specification of RDF data cubes & linked RDF data cube
* Specification of data source & ETL
* Lorem ipsum

## POST MEETING ACTION ITEMS

| **Action** | **Assigned To** | **Deadline** |
| --- | --- | --- |
| Specification about Dashboard of linked data cubes | Hoa | 17 - Sep - 2020 |
| Specification about step of ETL | Dong | 17 - Sep - 2020 |
|  |  |  |
|  |  |  |

## MEETING END

* Meeting Schedule end: 17:30
* Meeting Actual end: 17:30

**Secretary**

Kieu, Tran Thanh

#### 18 - Sep - 2020

# SMART DASHBOARD APPLICATION

## MENTOR MEETING

Meeting Date: 18 - Sep - 2020

Meeting Location: Online meeting

Approval: 18 - Sep - 2020

Recorded By: Kieu

## ATTENDANCE

| **Name** | **Title** | **Acronym** | **Present** |
| --- | --- | --- | --- |
| Hoa, Vo | Leader | VH | Yes |
| Tin, Pham Van | Member | VT | Yes |
| Dong, Ky Huu | Member | KD | Yes |
| Kieu, Tran Thanh | Secretary | TK | Yes |

## MEETING LOCATION

* Online meeting: Skype
* Meeting with mentor : Binh, Nguyen Thanh

## MEETING START

* Meeting Schedule start: 16:30
* Meeting Actual start: 16:30
* Meeting note taker: Kieu

## AGENDA

* Update Specification ETL Process
* Update Specification RDF Data Cube

## POST MEETING ACTION ITEMS

| **Action** | **Assigned To** | **Deadline** |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## MEETING END

* Meeting Schedule end: 17:30
* Meeting Actual end: 17:30

**Secretary**

Kieu, Tran Thanh

#### 05 - Oct - 2020

# SMART DASHBOARD APPLICATION

## MENTOR MEETING

Meeting Date: 05 - Oct - 2020

Meeting Location: K50/78B Trung Nu Vuong Street

Approval: 05 - Oct - 2020

Recorded By: Kieu

## ATTENDANCE

| **Name** | **Title** | **Acronym** | **Present** |
| --- | --- | --- | --- |
| Hoa, Vo | Leader | VH | Yes |
| Tin, Pham Van | Member | VT | Yes |
| Dong, Ky Huu | Member | KD | Yes |
| Kieu, Tran Thanh | Secretary | TK | Yes |

## MEETING LOCATION

* Building: K50/78B Trung Nu Vuong Street
* Meeting with mentor : Huy, Truong Dinh

## MEETING START

* Meeting Schedule start:14:00
* Meeting Actual start: 14:00
* Meeting note taker: Kieu

## AGENDA

* Project topic discussion
* Web of Data Technology discussion
* Project current status discussion
* Technologies will use in the future
* Documents requirements, the research goals and benefits

## POST MEETING ACTION ITEMS

| **Action** | **Assigned To** | **Deadline** |
| --- | --- | --- |
| Require proposal | All member | 15 - Aug -2020 |
| OWL Content | VH, KD |  |
| RDF Content | VH, KD |  |
| Find the others resources | VH, KD |  |
| React | VT |  |
| GUI | VT |  |
| React and JS library for RDF | All members |  |
| Documents | All members |  |

## MEETING END

* Meeting Schedule end: 15:00
* Meeting Actual end: 15:30

**Secretary**

Kieu, Tran Thanh

#### 21 - Oct - 2020

# SMART DASHBOARD APPLICATION

## MENTOR MEETING

Meeting Date: 21 - Oct - 2020

Meeting Location: Online meeting

Approval: 21 - Oct - 2020

Recorded By: Kieu

## ATTENDANCE

| **Name** | **Title** | **Acronym** | **Present** |
| --- | --- | --- | --- |
| Hoa, Vo | Leader | VH | Yes |
| Tin, Pham Van | Member | VT | Yes |
| Dong, Ky Huu | Member | KD | Yes |
| Kieu, Tran Thanh | Secretary | TK | Yes |

## MEETING LOCATION

* Online meeting: Skype
* Meeting with mentor : Binh, Nguyen Thanh

## MEETING START

* Meeting Schedule start: 16:30
* Meeting Actual start: 16:30
* Meeting note taker: Kieu

## AGENDA

* Export data from DW to RDF Data Cubes
* Load data industry to maps

## POST MEETING ACTION ITEMS

| **Action** | **Assigned To** | **Deadline** |
| --- | --- | --- |
| Data Structure of Data Cubes | Hoa | 1 - Nov - 2020 |
| Update maps data | Tin | 1 - Nov - 2020 |
|  |  |  |
|  |  |  |

## MEETING END

* Meeting Schedule end: 17:30
* Meeting Actual end: 17:30

**Secretary**

Kieu, Tran Thanh

#### 02 - Nov - 2020

# SMART DASHBOARD APPLICATION

## MENTOR MEETING

Meeting Date: 02 - Nov - 2020

Meeting Location: Online meeting

Approval: 02 - Nov - 2020

Recorded By: Kieu

## ATTENDANCE

| **Name** | **Title** | **Acronym** | **Present** |
| --- | --- | --- | --- |
| Hoa, Vo | Leader | VH | Yes |
| Tin, Pham Van | Member | VT | Yes |
| Dong, Ky Huu | Member | KD | Yes |
| Kieu, Tran Thanh | Secretary | TK | Yes |

## MEETING LOCATION

* Online meeting: Skype
* Meeting with mentor : Binh, Nguyen Thanh

## MEETING START

* Meeting Schedule start: 9:00
* Meeting Actual start: 9:00
* Meeting note taker: Kieu

## AGENDA

* Finish Data Structure of Data Cubes
* Merge climate data cubes & forest data cubes
* Export data cubes to JSON-LD
* Highlight data industry in maps

## POST MEETING ACTION ITEMS

| **Action** | **Assigned To** | **Deadline** |
| --- | --- | --- |
| Export Data cubes to json | Hoa | 11 - Nov - 2020 |
| Fetch data from json to maps | Tin | 11 - Nov - 2020 |
|  |  |  |
|  |  |  |

## MEETING END

* Meeting Schedule end: 10:00
* Meeting Actual end: 10:00

**Secretary**

Kieu, Tran Thanh

#### 30 - Nov - 2020

# SMART DASHBOARD APPLICATION

## MENTOR MEETING

Meeting Date: 30 - Nov - 2020

Meeting Location: Online meeting

Approval: 30 - Nov - 2020

Recorded By: Kieu

## ATTENDANCE

| **Name** | **Title** | **Acronym** | **Present** |
| --- | --- | --- | --- |
| Hoa, Vo | Leader | VH | Yes |
| Tin, Pham Van | Member | VT | Yes |
| Dong, Ky Huu | Member | KD | Yes |
| Kieu, Tran Thanh | Secretary | TK | Yes |

## MEETING LOCATION

* Online meeting: Skype
* Meeting with mentor : Binh, Nguyen Thanh

## MEETING START

* Meeting Schedule start: 17:00
* Meeting Actual start: 17:40
* Meeting note taker: Kieu

## AGENDA

* Demo UI
* Discuss in data source
* Mapping structure from data source to data cube
* Data retrieval

## POST MEETING ACTION ITEMS

| **Action** | **Assigned To** | **Deadline** |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## MEETING END

* Meeting Schedule end: 19:00
* Meeting Actual end: 19:00

**Secretary**

Kieu, Tran Thanh

#### 08 - Dec - 2020

# SMART DASHBOARD APPLICATION

## MENTOR MEETING

Meeting Date: 08 - Dec - 2020

Meeting Location: Online meeting

Approval: 08 - Dec - 2020

Recorded By: Kieu

## ATTENDANCE

| **Name** | **Title** | **Acronym** | **Present** |
| --- | --- | --- | --- |
| Hoa, Vo | Leader | VH | Yes |
| Tin, Pham Van | Member | VT | Yes |
| Dong, Ky Huu | Member | KD | Yes |
| Kieu, Tran Thanh | Secretary | TK | Yes |

## MEETING LOCATION

* Online meeting: Skype
* Meeting with mentor : Binh, Nguyen Thanh

## MEETING START

* Meeting Schedule start: 17:00
* Meeting Actual start: 17:30
* Meeting note taker: Kieu

## AGENDA

* Demo UI
* Discuss about presentation
* Discuss about architecture documents
* Demo UI
* Discuss about presentation
* Discuss about scope and database design
* Discuss about link 2 dimension of DataCube

## POST MEETING ACTION ITEMS

| **Action** | **Assigned To** | **Deadline** |
| --- | --- | --- |
| Framework, technology | Hoa | 14 - Nov - 2020 |
| Update Scope & Database design | Hoa, Dong | 14 - Nov - 2020 |
| Update UI: link 2 dimension of DataCube | Tin | 14 - Nov - 2020 |
| Update Presentation | All members | 14 - Nov - 2020 |
| Update Test case document | All members | 14 - Nov - 2020 |
| Update last version of all documents | All members | 14 - Nov - 2020 |

## MEETING END

* Meeting Schedule end: 18:00
* Meeting Actual end: 19:00

**Secretary**

Kieu, Tran Thanh

#### 14 - Dec - 2020

# SMART DASHBOARD APPLICATION

## MENTOR MEETING

Meeting Date: 14 - Dec - 2020

Meeting Location: Online meeting

Approval: 14 - Dec - 2020

Recorded By: Kieu

## ATTENDANCE

| **Name** | **Title** | **Acronym** | **Present** |
| --- | --- | --- | --- |
| Hoa, Vo | Leader | VH | Yes |
| Tin, Pham Van | Member | VT | Yes |
| Dong, Ky Huu | Member | KD | Yes |
| Kieu, Tran Thanh | Secretary | TK | Yes |

## MEETING LOCATION

* Online meeting: Skype
* Meeting with mentor : Binh, Nguyen Thanh

## MEETING START

* Meeting Schedule start: 22:00
* Meeting Actual start: 23:10
* Meeting note taker: Kieu

## AGENDA

* Review Documents

## POST MEETING ACTION ITEMS

| **Action** | **Assigned To** | **Deadline** |
| --- | --- | --- |
| Prepare Presentation in English | All members | 21 - Dec - 2020 |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## MEETING END

* Meeting Schedule end: 00:00
* Meeting Actual end: 23:30

**Secretary**

Kieu, Tran Thanh