

VISION SYSTEM (SF)

Designing Minimum Viable Product (dMVP) for Vision Systems

Workshop Assessment

Outline

- 1. Prep Before Class Session**
- 2. Pre-reading List**
- 3. Class Session**
- 4. Workshop Assessment**
- 5. MVP workshop Submission Scope**

GOOD GOVERNANCE CRITICAL



Engineers tend to ask 'Can it be done?', while entrepreneurs and venture capitalists ask 'Can it make money?'. We now have to ask two more questions: 'Should it be done?' and 'How should it be done?'

DEPUTY PRIME MINISTER HENG SWEE KEAT, on the need for good governance.

”

**“People should be at the heart of how Singapore uses technology.
Need to ensure good governance in use of emerging tech.”**



<https://www.straitstimes.com/tech/people-should-be-at-the-heart-of-how-singapore-uses-technology-heng>

1. Prep before Class Session

1. All participants are to prepare for Day 5 morning class by doing the pre-reading listed (see next slide).
2. Identify an organisation that you like to develop a computer vision product for.
[Hint: read the case study document for inspiration]
3. Describe the product features and how this proposed product benefit their selected organization.
4. Develop the draft Minimum Viable Product (MVP) for the product.
5. Describe in detail how the product will work.
6. *Optional*
 1. *Identify & quantify the benefits identified.*
 2. *Identify & quantify the investment required to develop the proposed product.*

2. Pre-reading List

Case Reading:

1. “Day5 Vision system case studies v3.0.pdf” @ luminus.nus.edu.sg \ Files \ VSE \ Day 5 folder

Read & view below before the class session, and be familiar with what a MVP is.

1. How to Set Up a Minimum Viable Product (MVP) [7m]
<https://medium.com/ideachain/from-a-problem-to-a-well-defined-mvp-in-8-steps-88efa12c1345>
2. Making sense of MVP (Minimum Viable Product) [10m]
<https://blog.crisp.se/2016/01/25/henrikkniberg/making-sense-of-mvp>
3. Validate your business idea: THE LEAN STARTUP by Eric Ries [8:48m]
<https://www.youtube.com/watch?v=QaoVWtLX038>

Additional Readings (optional)

4. Business Case Contents [5m]
<https://www.productfocus.com/product-management-resources/infographics/business-case-contents/>

3. Class Session

9 am	Introduction & setup
9:15	Form <u>Teams</u> , <u>4-6 members</u> each
9:30	Each team select an organisation & generate ideas, and formulate an MVP
10:30	break
10:45	Each team will pitch their idea/MVP <i>[5 minutes each]</i> - <i>justify why this is important to their organisation</i> - <i>all other teams to give comments & feedback</i>
11:15	Each team work on - <i>MVP details, customer/market/competitor analysis</i> - <i>optional: release plan, investment plan</i>
12:30 pm	lunch
1:30	Each team will present <i>[10 + 5 minutes Q&A each]</i>
3:30	end of dMVP segment

4. Workshop Assessment

1. All teams shall present & submit their MVP slides (using the template provided) covering the following for assessment:

- Product idea/solution
- Detailed description of MVP
- Details description of User/customer/market/competitor analysis
- Optional : Release plan
- Optional : Investment plan

**** *submissions must be detailed and specific to the selected organisation context***

2. Based on the feedback during the class session, all teams will submit their revised MVP slides no later than **5pm on the last day of class** at **Files \ Day 5 \ Day 5 dMVP Assessment Submission** folder.

Name your files **<Team N> Submission.pptx**

3. ***Late submission shall be subjected to penalty***

4. Please **list all members** in the team clearly in the slides submission for grading purpose

5. dMVP Submission Scope

1. Product Idea/Solution

2. MVP Details

- value proposition: we offer product/service that does what that will give who the benefits
- what organisational challenge/issue/problem is being addressed by the solution?
- describe the solution ***in detail***: what will it do, how to do it

3. User/Customer/Market/Competitor Analysis

- who and how many will benefit from this solution?
- how many in which location will benefit from this solution?
- who else is offering this solution? why is ours better *or what differentiates our solutions from our others??*

4. *optional: Release Plan*

- describe the features in MVP (release 1) and next 2 releases
- state the schedule for these releases from time of approval

5. *optional: Investment Plan*

- what is the quantifiable benefits (e.g. revenue, cost or time savings)?
- what are the costs of hardware, software, people resources needed to deliver the solution in the release plan

6. ***dMVP Workshop Team submission template provided***

END