

**ARTIFICIAL INTELLIGENCE PROGRAMMING PROJECT**

**Report 2 – Project Management Plan**

– Hanoi, October 2021 –

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# II. Project Management Plan

## 1. Overview

### 1.1 WBS & Estimation

*[Create/Provide the project WBS & Estimation following the table template as below. In which, we categorize the WBS items into three levels of complexity (Simple, Medium, Complex) and estimate the total effort to complete each item in man-day]*

| **#** | **WBS Item** | **Complexity** | **Est. Effort** | **Person** | **Date (finish)** |
| --- | --- | --- | --- | --- | --- |
| ***1*** | ***Data description and preprocessing*** |  |  |  |  |
| 1.1 | Data collecting | Simple | 2 | 1 | 1/10 |
| 1.2 | Data processing | Medium | 4 | 1 | 2/10 |
| 1.3 | Description and visualise | Simple | 2 | 1 | 6/10 |
| 1.4 | Report 3 | Simple | 1 | 1 | 7/10 |
| ***2*** | ***Analyse models*** |  |  |  |  |
| 2.1 | Convolutional network |  |  |  |  |
| 2.1.1 | Learn the algorithm | Complex | 4 | 2 | 11/10 |
| 2.1.2 | Implement the algorithm | Complex | 4 | 2 | 15/10 |
| 2.2 | Inception model |  |  |  |  |
| 2.2.1 | Learn the algorithm | Complex | 4 | 2 | 19/10 |
| 2.2.2 | Implement the algorithm | Complex | 4 | 2 | 23/10 |
| 2.3 | Report 4 | Medium | 1 | 2 | 24/10 |
| ***3*** | ***Evaluating and fitting models*** | Complex | 4 | 2 | 28/10 |
| ***4*** | ***Comparison models*** | Medium | 7 | 2 | 5/11 |
| 4.1 | Report 5 | Medium | 1 | 2 | 6/11 |
| **5** | **Conclusion** |  |  |  |  |
| 5.1 | Report 6 | Medium | 3 | 2 | 9/11 |
| ***Total Estimated Effort (man-days)*** | | | ***40 days*** |  |  |

### 1.2 Project Risks

*[List out the details on project risks in the table below]*

| **#** | **Risk Description** | **Impact** | **Possibility** | **Response Plans** |
| --- | --- | --- | --- | --- |
| 1 | Lack of data | High | High | Using augmentation to rotate, alter the brightness, shifting and add noise to the dataset to create more data |
| 2 | Algorithm hard to implement | High | Low | Study and experiment in more research |
| 3 | Mathematics algorithm in models are not clearly explained | High | Low | Study and experiment in more research |

## 2. Document Management

*Using google drive history*

[*https://drive.google.com/drive/folders/1kt4MYhCS6f8k3yjozgIWn-E5pE20N9Gh?usp=sharing*](https://drive.google.com/drive/folders/1kt4MYhCS6f8k3yjozgIWn-E5pE20N9Gh?usp=sharing)

## 3. Source Code Management

[*https://drive.google.com/drive/folders/1dsxl37QihQ2iJp8BYD6We3kDXqHtnGSr?usp=sharing*](https://drive.google.com/drive/folders/1dsxl37QihQ2iJp8BYD6We3kDXqHtnGSr?usp=sharing)