

**NUMBER-PLATE RECOGNITION**

**Report 2 – Project Management Plan**

– Hanoi, May 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** | Literature review |  |  |  |  |
| 1.1 | WBS item 1.1 | Simple | 4 |  |  |
| 1.2 | WBS item 1.2 | Medium | 7 |  |  |
| 1.3 | WBS item 1.N | Complex | 10 |  |  |
| **2** | **Data detection and**  **preprocessing data** |  |  |  |  |
| 2.1 | OpenCV | Simple | 1 | **Hai** |  |
| 2.2 | LBP algorithm | Simple | 1 | **Hai** |  |
| 2.3 | Wolf-Jolien method | Simple | 1 | **Phuc** | **3/10** |
| 2.4 | Sauovola method | Simple | 1 | **Phuc** |  |
| 2.5 | Otsu’s binarization | Simple | 1 | **Phuc** |  |
| **3** | **Model** |  |  |  |  |
| 3.1 | SVM | Medium | 3 | **Hai** | **6/10** |
| 3.2 | LTSM | Medium | 3 | **Hai** | **6/10** |
| 3.3 | BPNN | Easy | 1 | **Hai** | **3/10** |
| **4** |  |  |  |  |  |
| 4.1 | Yolo | Complex | 5 |  | **12/10** |
| 4.2 | CNN | Complex | 5 | **Hai** | **7/10** |
| 4.3 | OKM-CNN | Complex | 5 |  | **12/10** |
| 4.4 | SSD | Complex | 5 | **Phuc** | **7/10** |
| 4.5 | NMS | Complex | 5 |  |  |
| ***Total Estimated Effort (man-days)*** | | | ***21*** |  |  |

### 1.2 Project Risks

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Risk Description** | **Impact** | **Possibility** | **Response Plans** |
| 1 |  |  |  |  |

## 2. Document Management

*[Describe how you would manage project documents & their changes/versions]*

## 3. Source Code Management

*[Describe how you would manage project source codes & their changes/versions]*