**LIST OF SYMBOLS**

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| --- | --- | --- |
| **SYMBOL NAME** | **NOTATION** | **DESCRIPTION** |
| Class | |  | | --- | | Class name | | Visibility attribute Type=initial value | | Visibility operation (arglist):return type | | Class represents a collection of similar entities grouped together |
| Association |  | Association represents a static relationship between classes. |
| Use case |  | A use case is an interaction between the system and other external examination. |
| Relational |  | It is used for Additional Process Communication |
| Control flow |  | It represents the control flow between the state |
| Data process/State |  | A circle in DFD represent the vertical dimension the object communication |
| Object lifeline |  | An object lifeline represents the vertical dimension then object  Communication. |

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| **SYMBOL NAME** | **NOTATION** | **DESCRIPTION** |
| Message |  | It represents the Message exchanged |
| Actor |  | Actors are the user of the system and other external entity that react with the system |

**LIST OF FIGURES**

|  |  |  |
| --- | --- | --- |
| **FIGURE NO** | **FIGURE TITLE** | **PAGE NO** |
| 4.1  4.2  5.1  5.2  5.3  7.1  7.2  7.3  7.4  7.5  7.6  7.7  7.8  7.9  8.1  8.2  8.3  8.4  8.5  9.1  9.2 | NVIDIA Jetson Nano  Spraying system  System Architecture  Data Flow diagram  Use Case Diagram  Drone Frame  Brush Less DC Motor  Electronic Speed Controllers  Lithium Polymer (Lipo) Batteries  Propellers  Transmitter & receiver  Classification of Drone Based on Arrangement of Rotors  APM2.8 Flight Controller with In-Built Compass for  Pixhawk 32-bit ARM controller  Set Up Python Virtual Environment  Creating Virtual Environment For py3cv4  Installing the Protobuf Compiler  Installing TensorFlow/Kera’s And Their Dependencies  Installing OpenCV Directory On NVIDIA  Sample Input  Sample Output | 11  12  14  14  15  21  22  22  23  23  24  24  25  26  30  31  32  34  35  43  43 |

**LIST OF ABBREVIATIONS**

* **Q&A-** Question and Answer
* **NLP-** Natural Language Processing
* **CNN-** Convolutional Neural Networks
* **ML-** Machine Learning
* **SMM-** Semantic Matching Model
* **DL-** Deep Learning
* **LSTM**- Long Short-Term Memory
* **SVM**- Support vector Machine
* **SSD-** Single Shot Multibox Detector
* **YOLO-** You Only Look Once
* **TF IDF**- Term Frequency-Inverse Document Frequency
* **API**- Application Programming Interface
* **UI-** User Interface
* **NN-** Neural Network
* **CV**- Open Computer Vision
* **QR-** Question Retrieval