**PROJECT PLAN DOCUMENT**

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| Project number | 3 |
| Project Title | Generalized Web Dashboard for Image preprocessing |
| Document | Project Plan |
| Creation date | 30th January 2024 |
| Created By | Sanchit Jalan , Karan Nijhawan , Manda Vaishnavi Reddy , Sreeja Palle |
| Client | Cyrrup Solutions Pvt Limited (Mr. Gaurav Kumar) |

# **Brief problem statement**

The primary objective of our project is to develop a robust model that would help in data preprocessing and splitting the data into training and test dataset. This involves creating a versatile and efficient framework capable of effectively supporting tasks such as data labeling, annotation, and splitting into training and test sets into ratio as provided by user. By focusing on model versatility, accuracy, and ease of integration, we aim to provide a valuable tool that enhances the overall efficiency and effectiveness of deep learning and machine learning workflows, catering to diverse applications and user needs within the AI domain. The data sets thus generated by our application is used for training the deep learning model. One GitHub repository of Label-studio (an open source project) is provided to us and we are constantly upgrading and updating the repository to fit the client needs .

# **Team Members**

The tentative proposition of work distribution is as follows:-

1. Sanchit Jalan and Karan Nijhawan - Designing the Annotation Procedure . Storing the annotated products in the Local Storage . Exporting the Annotated images in the desired format . Implement an input feature that allows the user to upload a 360 degree image in form of a panoramic image. Login and Signup Backend , storing data in django database and making api calls from frontend to backend
2. Vaishnavi Manda Reddy and Sreeja Palle - . Implementing the filter that is used for filtering of annotated images according to classes. Whole front-end of the software

# **Team Communication**

The Team shall meet once a week to discuss their progress. The day has been decided to be Monday. Besides that, for remote discussions we have a Whatsapp Group.

# **Development Environment**

Reference Platforms – Label Studio

Languages – ReactJS, Django

Databases – SQ3lite using Django interface

# **Milestone Schedule**

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| **Milestone** | **Due Date** | **Release** | **Deliverable?** |
| Create Project Synopsis | 25/01/24 | R1 | No |
| Requirements Elicitation | 30/01/24 | R1 | Yes |
| Design the User Interface | 1/03/24 | R1 | No |
| Making the login and signup functionality | NA | R1 | Yes |
| Storing pictures Locally in folder system | 20-03-24 | R1 | Yes |
| Designing the exporting and importing features | 1/03/24 | R1 | No |
| Creating a 3d user experience | 1-03-24 | R1 | Yes |
| Creating different task for an user | 05-03-24 | R1 | Yes |
| Deciding the timeline for further implementations | 7/02/24 | R1 | No |
| Implementing Designed Features and Test Them | Not Decided | R2 | Yes |
| Adding the Labels | 1-04-24 | R2 | Yes |
| Making Annotations | 20-04-24 | R2 | Yes |
| Exporting in YOLO format | 20-04-24 | R2 | Yes |