Reporting No: 1 Week No: 1 From : 24/06/25 To : 30/06/25
Project ID:
Project Title: AutoMarkAI – Smart Image Annotation Tool

WEEKLY REPORT

Work done in last week (Attach supporting Documents):

1. Finalized the problem statement idea with the team: auto-annotation tool for images.
2. Searched online for similar projects and platforms (Roboflow, MakeSense.ai, etc).
3. Explored possible project titles and themes related to YOLO-based annotation.
4. Had discussion with teammates about tech feasibility.
5. Shortlisted basic tech stack options: React, FastAPI, YOLOv8.

Reason for incomplete work (If pending):

1. Project idea was still under discussion, so no development started.
2. Still unclear about backend integration approach.
3. Needed more time to understand tools and requirements.

Plans for next week:

1. Confirm the tech stack with internal guide.
2. Start searching for open-source annotation tools or YOLO libraries.
3. Begin collecting basic reading material and resources on object detection.

Signature of External Guide **Signature of Internal Guide**

Student Id: D24AIML085, D24AIML082
Student Name: Shah Harsh, Chauhan Kunj

Reporting No: 2 Week No: 2 From : 1/07/25 To : 7/07/25
Project ID:
Project Title: AutoMarkAI – Smart Image Annotation Tool

WEEKLY REPORT

Work done in last week (Attach supporting Documents):

1. Watched tutorials and read basic articles about YOLO object detection.
2. Tried to understand how YOLO predicts bounding boxes and labels.
3. Explored GitHub repositories of YOLOv5 and YOLOv8.
4. Found resources on how annotation formats (like YOLO format) work.
5. Started making a document of key concepts.

Reason for incomplete work (If pending):

1. Team had limited knowledge of AI/ML tools; needed time to understand basics.
2. No clarity on how to link model inference with image upload.
3. Time was spent mostly learning, not implementing.

Plans for next week:

1. Try to set up a test YOLOv8 environment locally.
2. Understand how to use Python to read images and annotate them.
3. Look into how to build a basic UI in React for image upload.

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Student Id: D24AIML085, D24AIML082
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Reporting No: 3 Week No: 3 From : 8/07/25 To : 14/07/25
Project ID:
Project Title: AutoMarkAI – Smart Image Annotation Tool

WEEKLY REPORT

Work done in last week (Attach supporting Documents):

1. Downloaded YOLOv8 using Ultralytics and tested on sample images.
2. Learned about bounding box coordinates and label formatting.
3. Tried running a pretrained YOLO model to detect basic objects (e.g. person, car).
4. Researched how ZIP files can be handled in Python for batch processing.
5. Started rough UI design on paper for upload and preview layout.

Reason for incomplete work (If pending):

1. Some errors while installing YOLO dependencies on personal laptops.
2. Still learning React basics, so frontend work is pending.
3. Focused more on model-side logic first.

Plans for next week:

1. Finalize how the label file (YOLO format) will be generated.
2. Try automating image input → object detection → output text file.
3. Begin frontend coding for file upload and object label input.

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Student Id: D24AIML085, D24AIML082
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Reporting No: 4 Week No: 4 From : 15/07/25 To : 21/07/25
Project ID:
Project Title: AutoMarkAI – Smart Image Annotation Tool

WEEKLY REPORT

Work done in last week (Attach supporting Documents):

1. Created a dummy script to process multiple images in a folder.
2. Wrote Python code to save predicted bounding boxes in YOLO format.
3. Started testing with our own image dataset.
4. Finalized label format and folder structure for output ZIP.
5. Decided to initially support only 5 fixed object classes (e.g., person, car, ball, bottle, dog) for testing and performance tuning.

Reason for incomplete work (If pending):

1. React frontend still under learning; no UI progress yet.
2. Team faced internet/setup issues during group sessions.
3. Model sometimes detects irrelevant objects; needs filtering by user label.

Plans for next week:

1. Build basic React page for uploading images or ZIP file.
2. Set up FastAPI backend route to accept input and return labels.
3. Connect frontend and backend for annotation testing.

Signature of External Guide **Signature of Internal Guide**

Student Id: D24AIML085, D24AIML082
Student Name: Shah Harsh, Chauhan Kunj