

## WEEKLY STATUS REPORT

To: Mrs. Srishti Srivastava  
From: Aakash  
Subject: Weekly Status Report  
Period Ending: Week 5/12 – 10/12

### ACTIVITIES COMPLETED THIS WEEK

- Understanding of the task allotted through round of discussions with Sristhi Mam and Prof. Rajan.
- Develop Basic understanding of .dxf files.
- Installation of ezdxf python library .
- Writing code to extract lines from the .dxf file.

### ACTIVITIES IN PROCESS

➤ Study of computational geometry algorithms that can be used in the project. Algorithms include Convex Hull construction , Line sweep.

### NEXT ACTION

➤ Construction algorithm that can optimally connect lines to form polygons.

### ACTIVITIES TO BE DONE IN NEXT WEEK

- Completion of construction algorithm that can optimally connect lines to form polygons.
- Ensuring the correctness of the algorithm and handling of edge cases.
- Implementation details of the above algorithm.

### ISSUES FOR IMMEDIATE ATTENTION

➤ --None--

### KEY TEAM INTERDEPENDENCIES

➤ --None--