

ACTIVITY-BASED SCHEDULE

Project Name

URStreamSight

Activity

Duration

Start Date

End Date

Initiation

2 weeks

Sept 19, 2020

Oct 4, 2020

Develop Business Case

3 days

Sept 19, 2020

Sept 22, 2020

Develop Project Charter

3 days

Sept 19, 2020

Sept 22, 2020

**Develop Project
Requirements**

3 days

Sept 25, 2020

Sept 28, 2020

Develop Risk Analysis

3 days

Sept 25, 2020

Sept 28, 2020

**Develop additional
Documentation**

6 days

Sept 28, 2020

Oct 4, 2020

Planning

1 month

Oct 4, 2020

Nov 2, 2020

**Perform Planning &
Analysis**

2 weeks

Oct 4, 2020

Oct 7, 2020

Plan Budget

2 days

Oct 4, 2020

Oct 6, 2020

Plan Schedule	2 days	Oct 4, 2020	Oct 6, 2020
Plan Milestones	3 days	Oct 4, 2020	Oct 7, 2020
Research API options	7 days	Oct 7, 2020	Oct 14, 2020
Plan API	7 days	Oct 14, 2020	Oct 21, 2020
Lofi designs	4 days	Oct 21, 2020	Oct 25, 2020
Hifi designs	4 days	Oct 25, 2020	Oct 29, 2020
Plan Project Architecture	5 days	Oct 29, 2020	Nov 2, 2020
Executing	4 months	Nov 2, 2020	Mar 18, 2021
Create API	4 months	Nov 2, 2020	March 4, 2021
Build Prototype system	2 weeks	Nov 2, 2020	Nov 16, 2020
Add preliminary endpoints	3 weeks	Nov 16, 2020	Dec 8, 2020

Integrate with Prairie Robotics	3 weeks	Dec 8, 2020	Jan 21, 2021
Add additional endpoints and RBAC	2 weeks	Jan 21, 2021	Feb 4, 2021
Add Tests to endpoints	4 weeks	Feb 4, 2021	Mar 4, 2021
Deploy to AWS	4 weeks	Feb 25, 2021	March 18, 2021
Create Frontend	4 months	Nov 2, 2020	March 18, 2021
Create Initial Pages	2 weeks	Nov 2, 2020	Nov 16, 2020
Add preliminary endpoints	3 weeks	Nov 16, 2020	Dec 8, 2020
Integrate with Prairie Robotics	3 weeks	Dec 8, 2020	Jan 21, 2021
Tie in Front end with API	4 weeks	Feb 4, 2021	Mar 4, 2021
Add Additional Front end pages	2	Feb 25, 2021	Mar 11, 2021
Deploy to AWS	1 weeks	Mar 11, 2021	March 18, 2021

Machine Learning	4 months	Nov 2, 2020	March 18,2021
Research machine learning pipeline	1 month	Nov 2, 2020	Dec 8, 2020
Implement Bin detection tracking	1 month	Dec 8, 2020	Jan 12, 2021
Annotate Images	3 weeks	Dec 21, 2021	Jan 12, 2021
Train initial machine learning model	1 month	Dec 21, 2021	Jan 21, 2021
Train machine learning model	2 months	Jan 21, 2021	Mar 18, 2021
Deploy machine learning model	1 month	Feb 25, 2021	Mar 18, 2021
Closing	4 months	Mar 18, 2021	April 10, 2021
Finish remaining dev work	2 weeks	Mar 18, 2021	April 1, 2021
Finish Documentation and Report	1 week	April 1, 2021	April 8, 2021
Transfer Project	1 week	April 1, 2021	April 8, 2021

