

Define your problem statement

Design Intelligent Wirelessly connected smart road signs capable of displaying different speeds for different weather conditions, traffic and route traffic through the quickest and safest possible way.

① 5 minutes

Rain makes brakes inefficient and leads to

accidents

reduces visibility and ases the probability of

School Zone flags slow down traffic even when schools are closed/ operating

PROBLEM

Road quality varies over time but static road signs don't

Traffic diversion require human intervention

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

① 10 minutes

Sayad Pervez B

Using camera to measure visibility	cloud server calculates speed for every point in map	using open weather api to get data on weather
automatic traffic diversions	sign color change based on environmental lighting conditions	

Yuvashree R

Al based image processing to detect rain/wet roads	School and hospital zones dynamically set road signs speed	vehicle based speed ar lane disp

accident displaying ho displaying ho and and diversion Timer displaying ho much time for traffic to clear out

Ulagaraja J

Camera attached to every traffic sign to monitor traffic	Schools timings set to road signs	Camera monitors road quality and speed is assigned based on road quality
Lane mapper so emergency vehicles can easily pass through traffic	Remote view capability to plan route	

Yuvasri M

Yuvasri N		
Al based algorithms to predict weather from images	every sign post measures surrounding traffic	emergency vehicles passage and alerts
Dynamic traffic sign capable of allowing peds to cross the road	Fun things to display during red light traffic	



Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

20 minutes

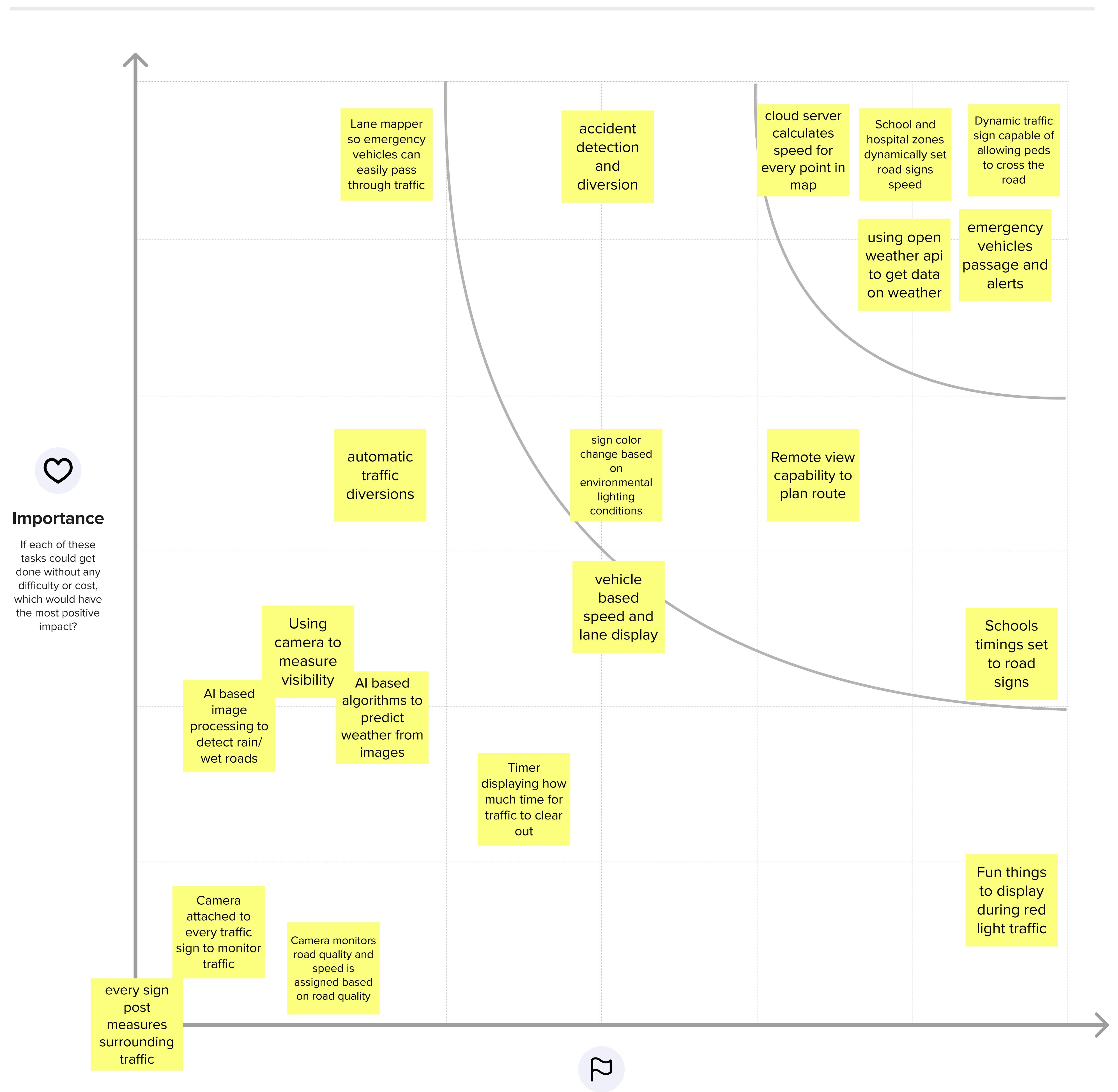




Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

① 20 minutes



Feasibility

Regardless of their importance, which tasks are more fossible than others? (Cost, time, offert, complexity, etc.)