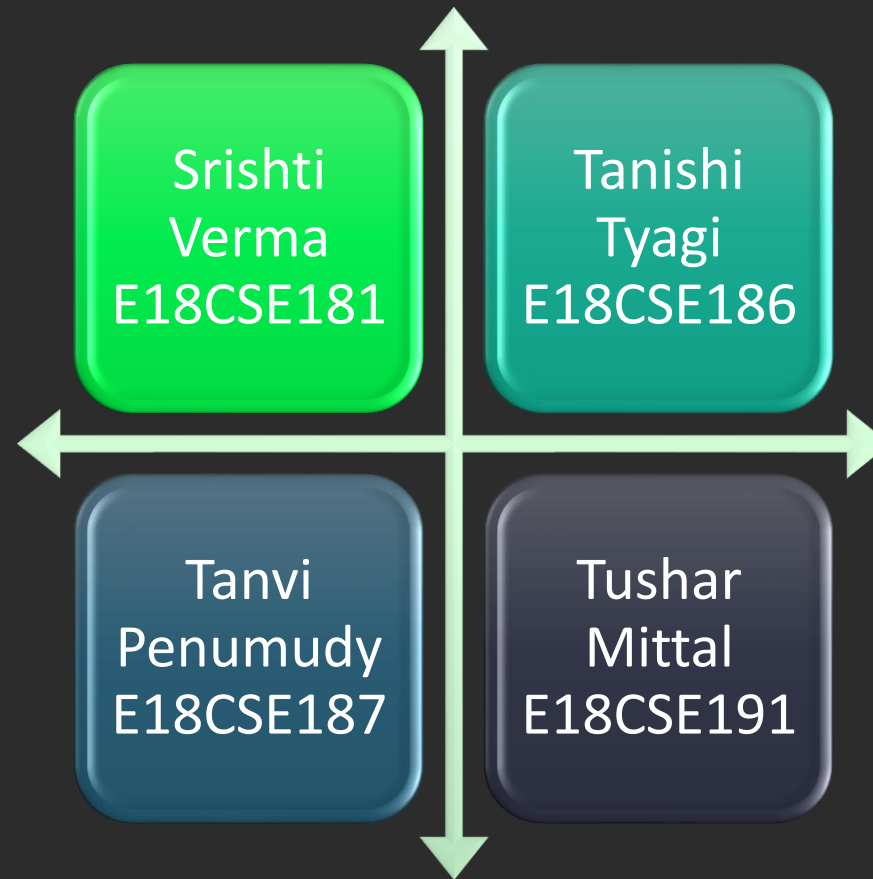


An aerial, high-angle view of a busy city intersection. The image is dark and grainy, with a semi-transparent black overlay. White diagonal stripes mark the crosswalks and lane boundaries. Several cars are visible, including a yellow taxi, a white car, and a red car. Pedestrians are seen crossing the street. The overall atmosphere is one of urban complexity and movement.

Dynamic  
Developers

# INTELLIGENT PARKING SYSTEM

# OUR TEAM





# NEED STATEMENT

Our startup is assigned a contract by Reliance to design an intelligent parking. It will indicate to the driver how many parking slots available, if slots available then auto-gate open/close while entry, auto gate open/close while exit. If there are no slots, the driver will be informed and gates will not open. If someone is parking more than a certain time, it will send sms to the driver.



# PROBLEM STATEMENT

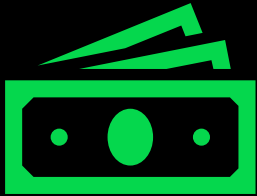
It is very difficult to find a free parking space during the day time in all the streets close to the city center. Worse enough some of the vehicles are parked on a lot for more than the time rule set to be followed prior to parking. Thus we will design an intelligent parking system by using IR sensor that will be able to keep a record of the number of cars parked inside of a parking area. If slots are available the auto gate will open/close. If there are no slots, the driver will be informed and gates will not open. We will use Arduino to link the sensors to the database and thus allow the barricade to open/close. Everything will be done within a budget of INR 3000



# CRITERIA



# CONSTRAINTS



Budget confined within  
INR 3000



All technical expertise  
should be covered

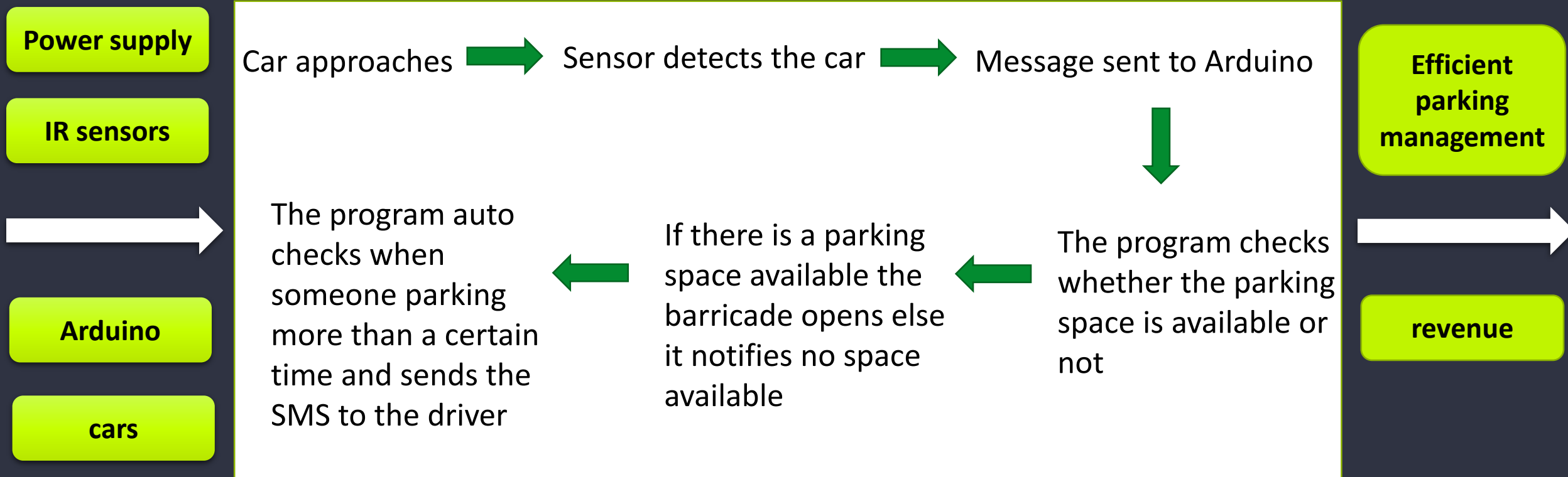


Completing it within the  
stipulated time

# BLACK BOX



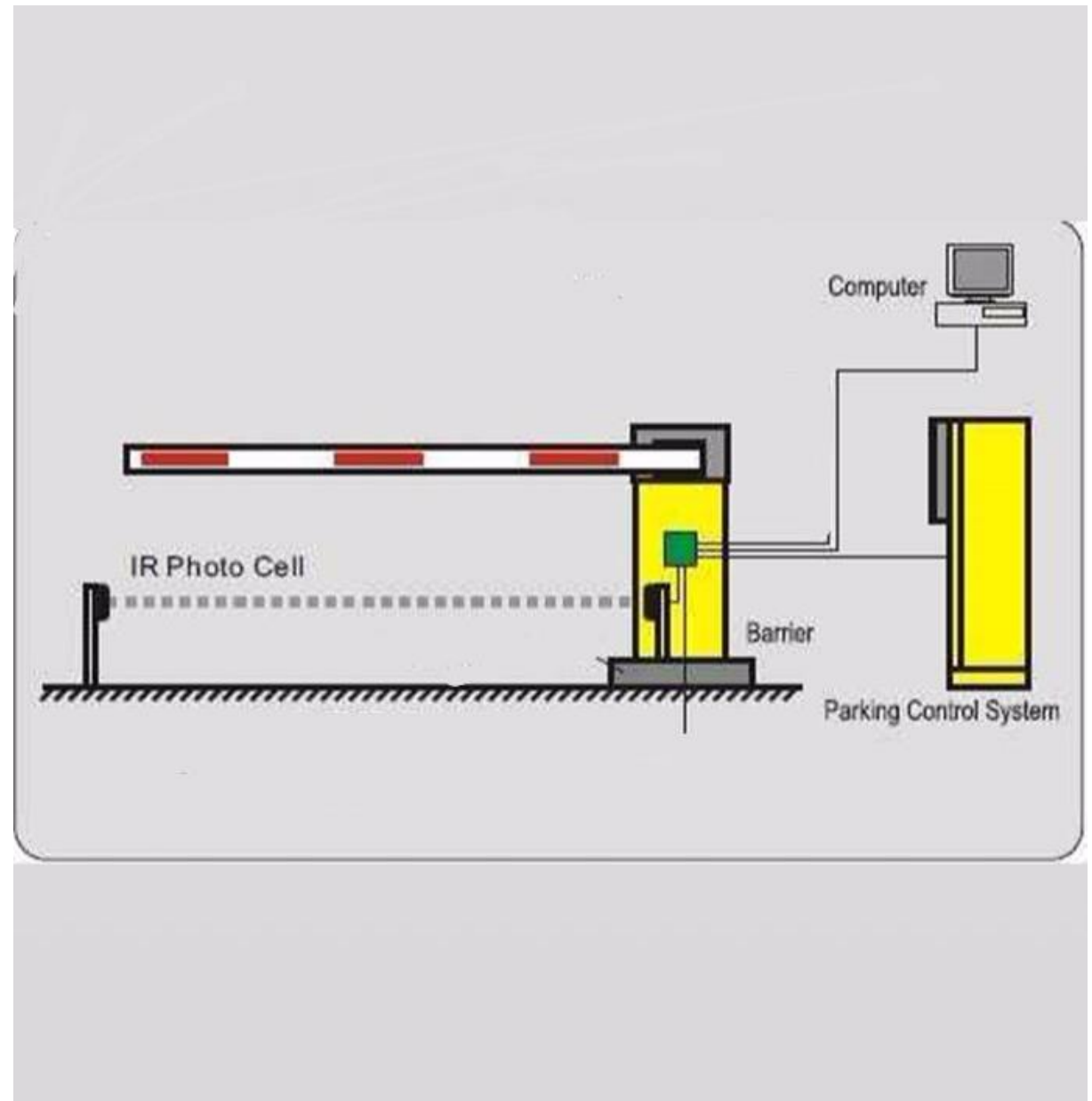
# TRANSPARENT BOX

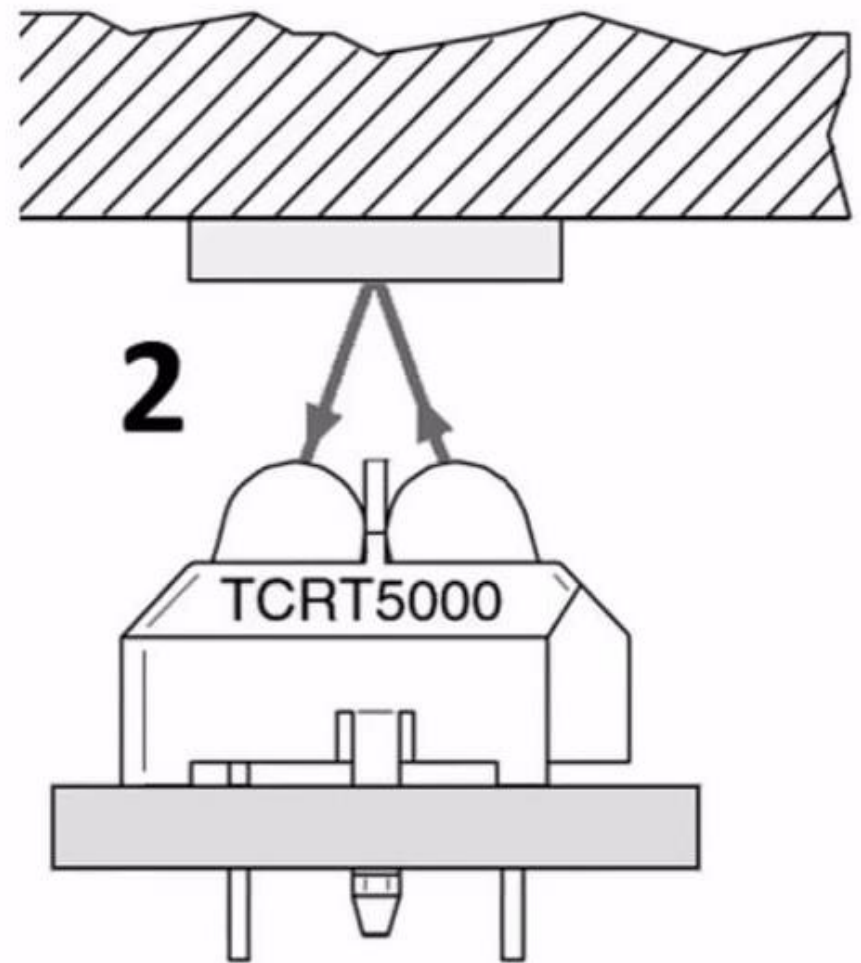
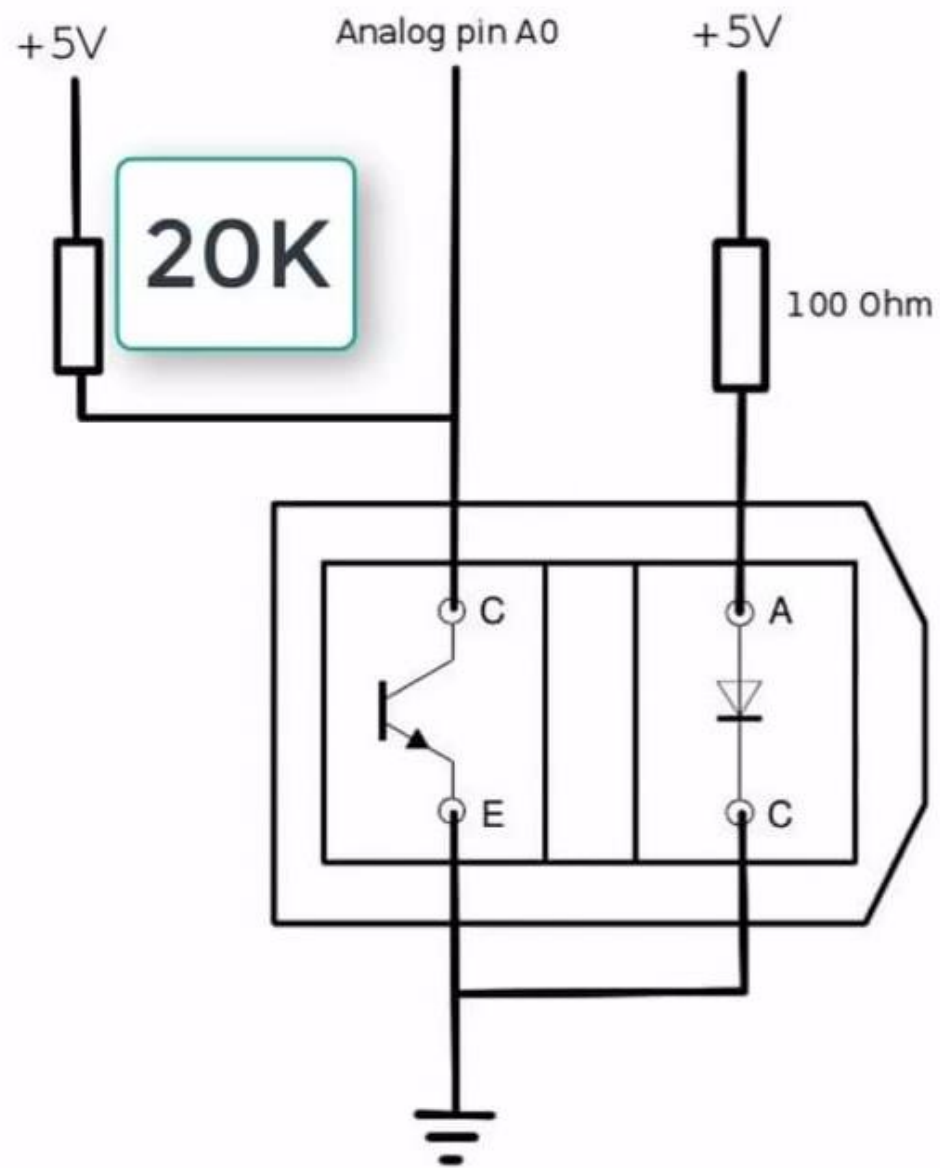




# MECHANISM

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An aerial photograph of a parking lot with several rows of empty spaces marked by white lines. Green trees are planted along the edges of the lot. In the bottom right corner, a blue directional sign with a white arrow and a white 'P' is visible. The text 'THANK YOU' is centered in the image in a large, white, sans-serif font. A thin white vertical line is positioned to the left of the text.

# THANK YOU