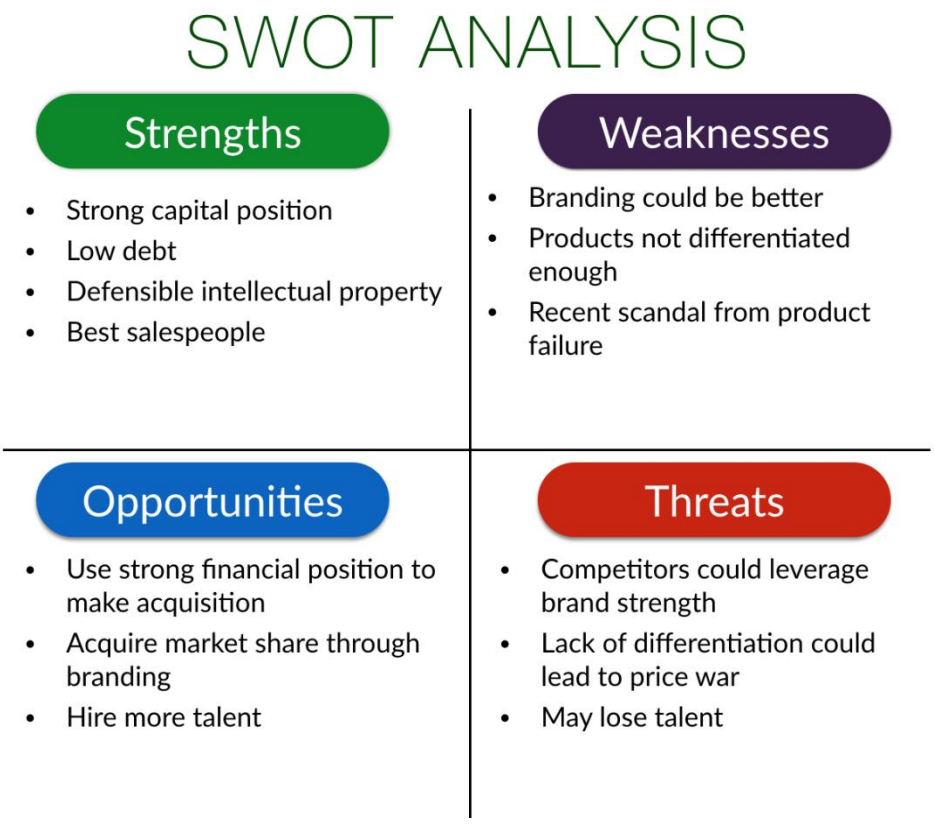
INTRODUCTION

Heated seats are often thought of as a luxury item and are most after include in high-end cars. The actual technology behind heated seats.however.is no different than that used in electric blankets. hair dryers water heater and anything else that electricity to produce heat. Heated seats are powered by a heating element. a long strip material that functions as a resister. A seat heater is a pad or cushion that encompasses an electric heating system which boosts up surface temperature of the automotive seat at the will of the driver. some of the key components of automotive seat heaters include heating element. resister. Relay and thermostat. seat heaters are either available as internally integrated the seat which is also called heated seat or as an external device in the form of pad or cushion

FEATURES

- ATMEGA328 microcontroller
- Temperature senser
- Heat controller
- Button senser
- Display CDD

Swot Analysis



4W & 1H

WHERE:

Seat heater is used in automobile cars

Who

Passengers or drivers in car

When

Depending on the temperature

What

It heats the car seat

How :

1.Button senser will check the passenger is seated or not

2.Temperture senser work as per mentioned

3.Display CDD-CRO will give the temperature value by showing PWM

4.Led actuator shows the driver is seated

5.Heater will check the heater button in ON

REQUIREMENTS

HIGH LEVEL REQUIREMENT

ID	DESCRIPTION	Status
HLR_1	Button senser will check the passenger is seated or not	Implemented
HLR_3	Temperature senser as per mentioned	Implemented
HLR_3	.Display CDD-CRO will give the temperature value by showing PWM	Implemented
HLR_4	Led actuator shows the driver is seated	Implemented

LOW LEVEL REQUIREMENT

ID	HLR	ADC VALUE	TEMP	STATUS
LLR_1	HLR_2	0-200	20 C	Implemented
LLR_2	HLR_2	210-500	25 C	Implemented
LLR_3	HLR_2	510-700	29 C	Implemented
LLR_4	HLR_2	710-1024	30 C	Implemented