



TOYS FOR AUTISTIC KIDS





College Name



SRM Institute of Science and Technology



Jadavpur University



Indian Institute of Engineering Science and Technology

PROFESSOR IN CHARGE



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DISCIPLINE Mechanical
engineering



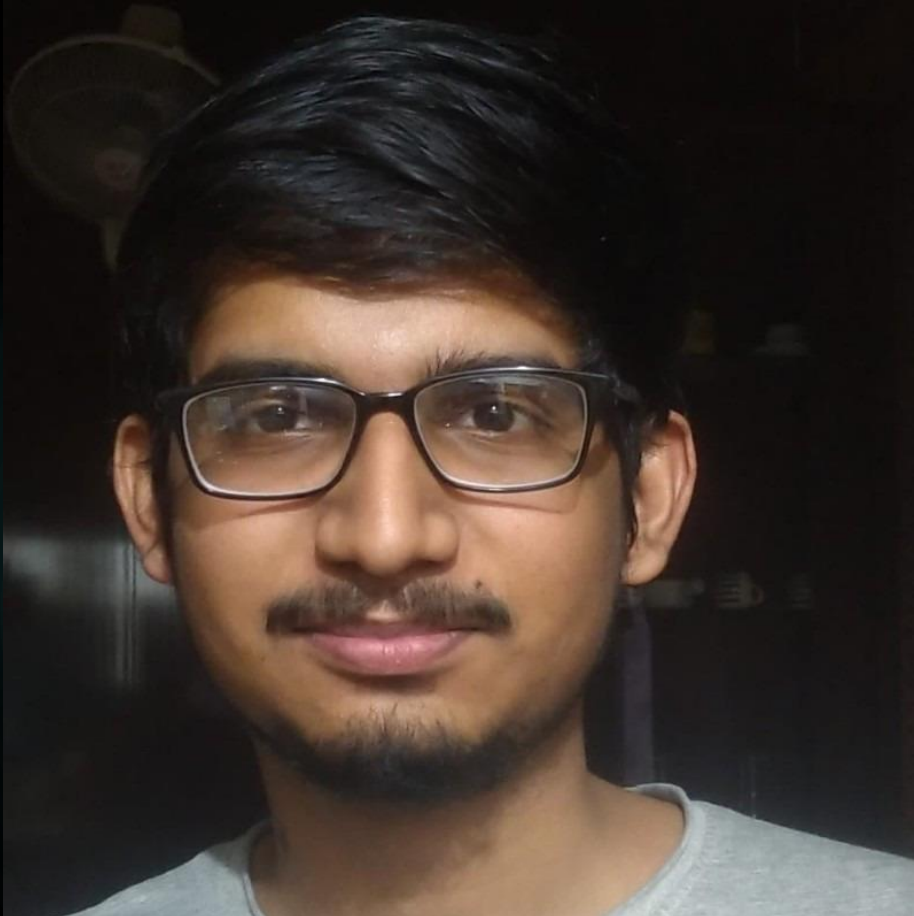
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Team member details



TEAM MEMBER 1



NAME

Aryan N



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DISCIPLINE

CSE Cloud Computing



YEAR

3rd year

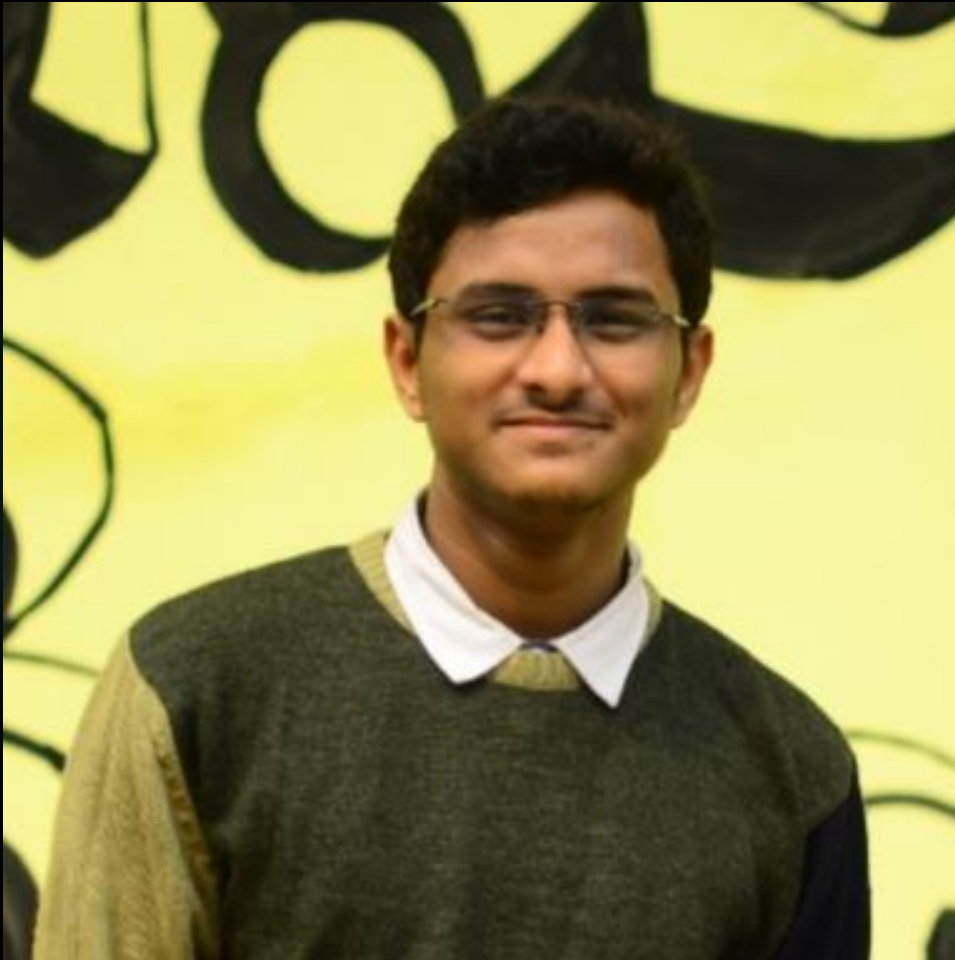


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9978115598



TEAM MEMBER 2



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DISCIPLINE Electronics and
telecommunication engineering



YEAR

3rd year



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TEAM MEMBER 3



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DISCIPLINE

Mechanical Engineering



YEAR

3rd year



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DISCIPLINE Department of Computer
Science and Technology



YEAR

3rd year



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TEAM MEMBER 5



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DISCIPLINE

CSE-SWE



YEAR

3rd year



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TEAM MEMBER 6



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DISCIPLINE
Engineering

Electronics and Communication



YEAR

3rd year



MOBILE

8910497557

TEAM MEMBER 7



NAME Santhosh Kumar. R



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DISCIPLINE Electronics and
Communication Engineering



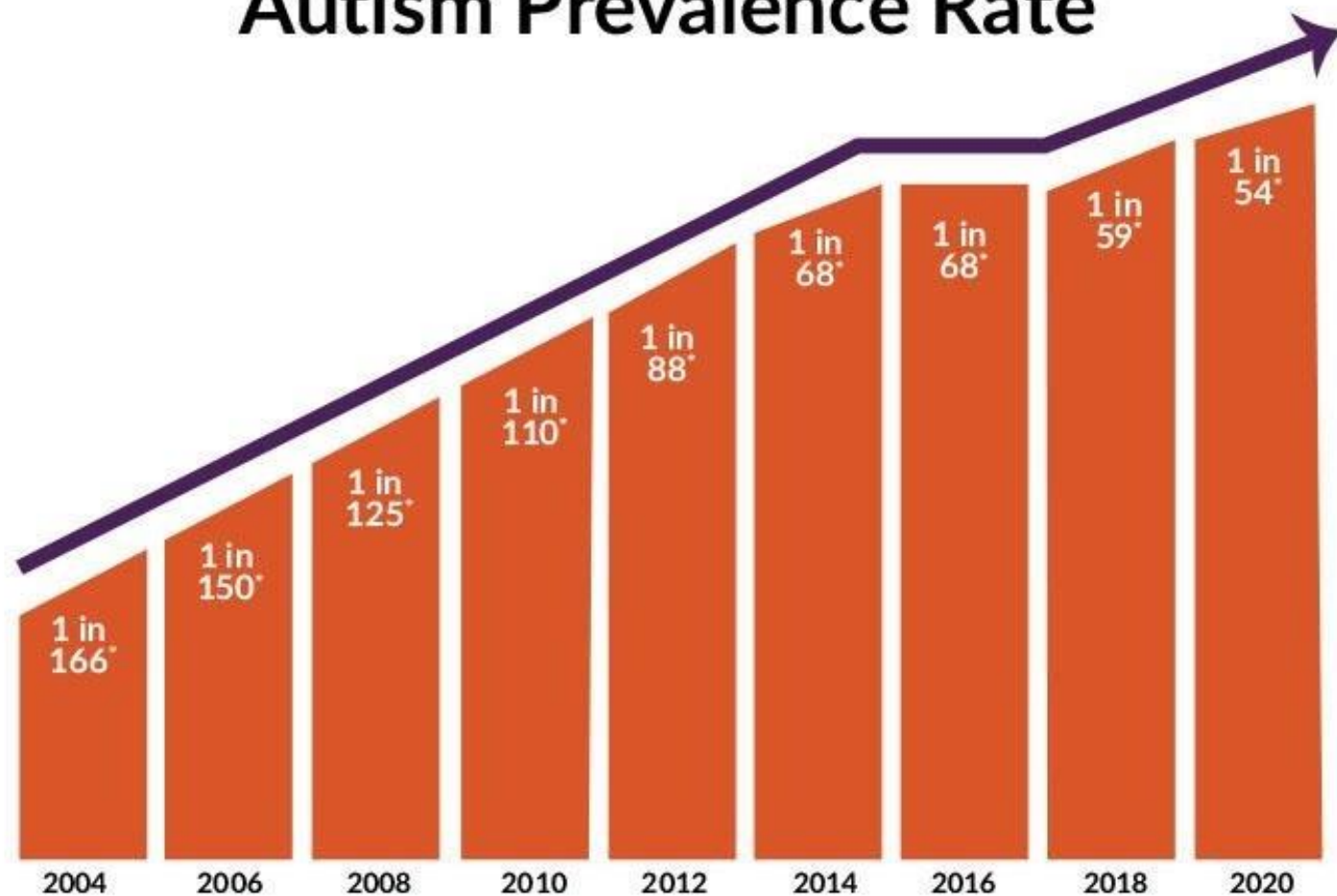
YEAR 3rd year



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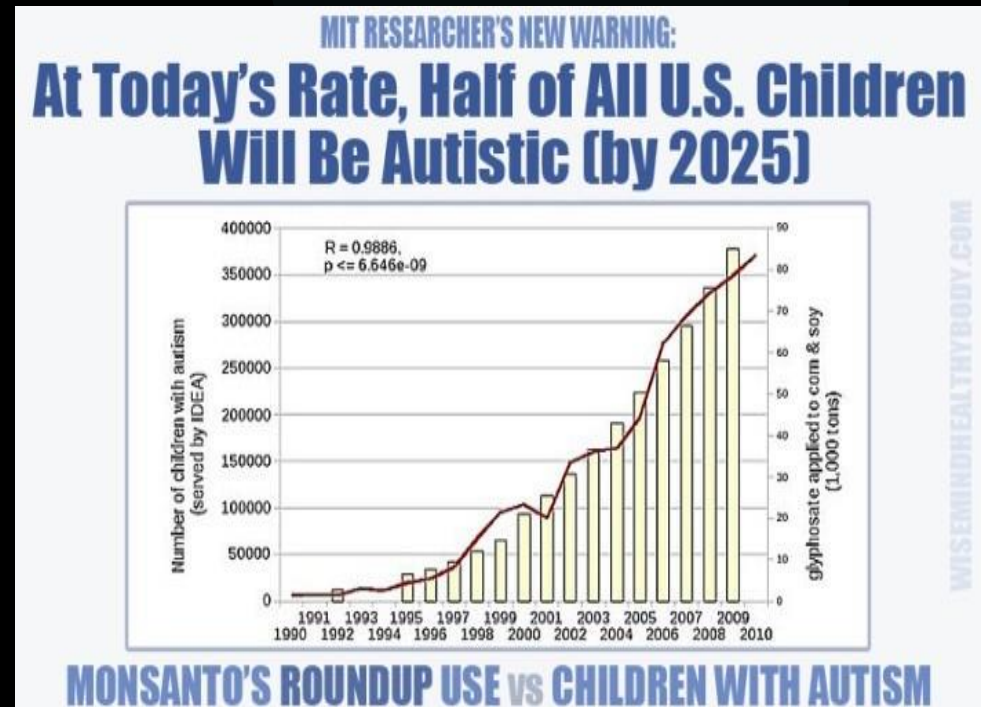
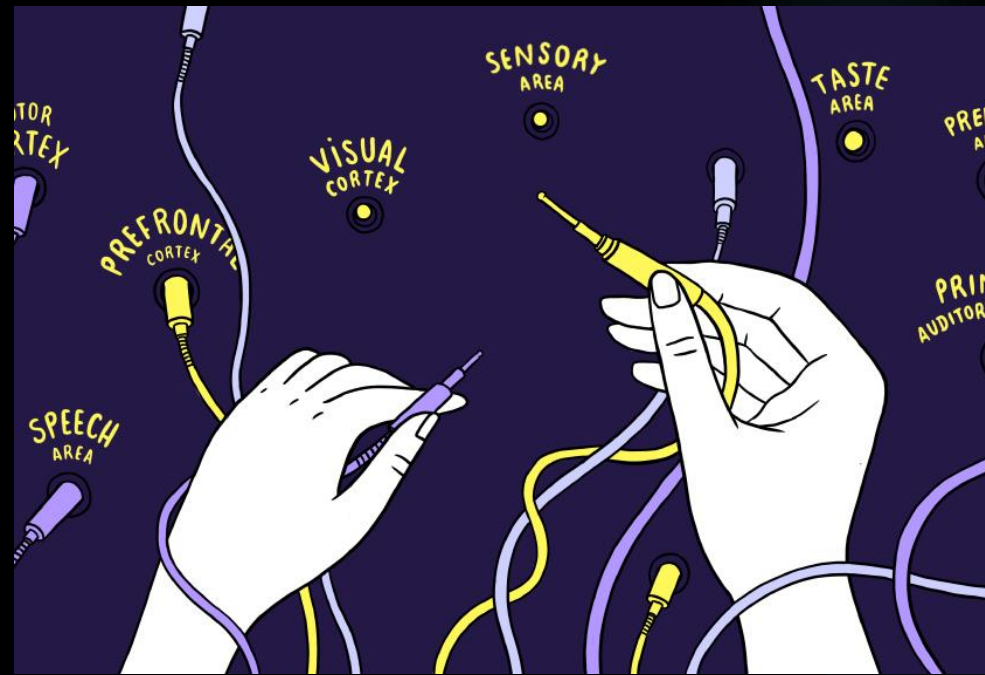
Through the Years: Autism Prevalence Rate



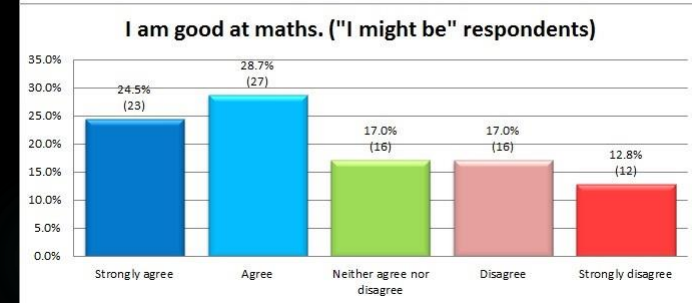
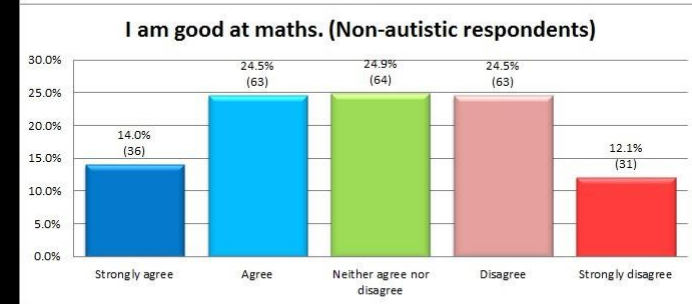
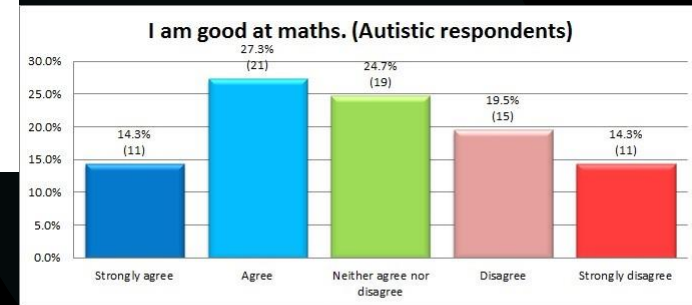
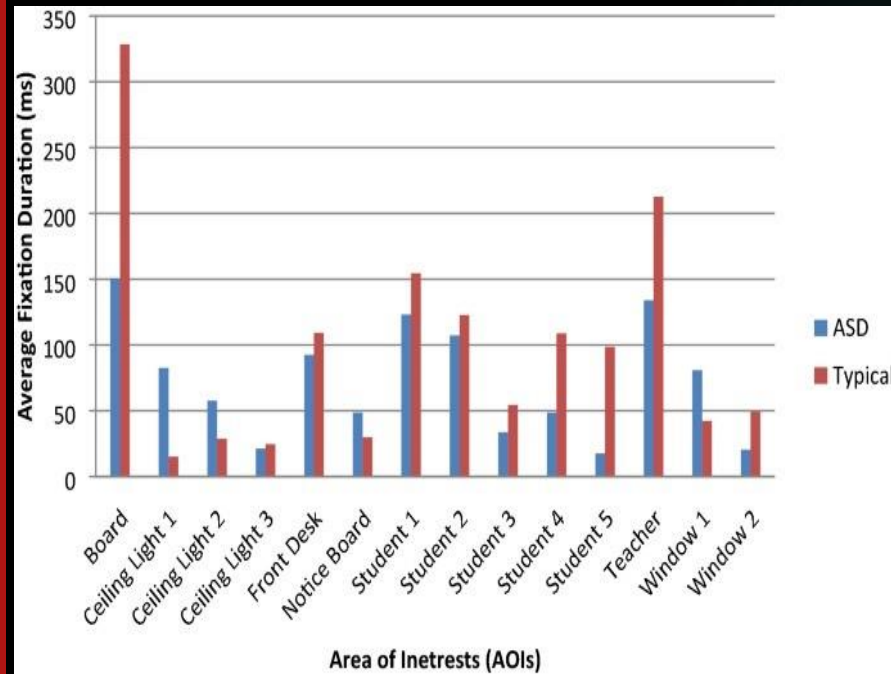
*Centers for Disease Control (CDC) prevalence estimates are for 4 years prior to the report data. i.e 2020 figures are from 2016.

PROBLEM

STATEMENT



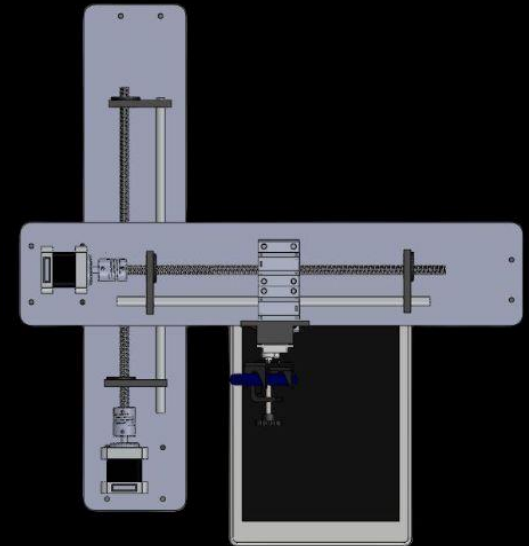
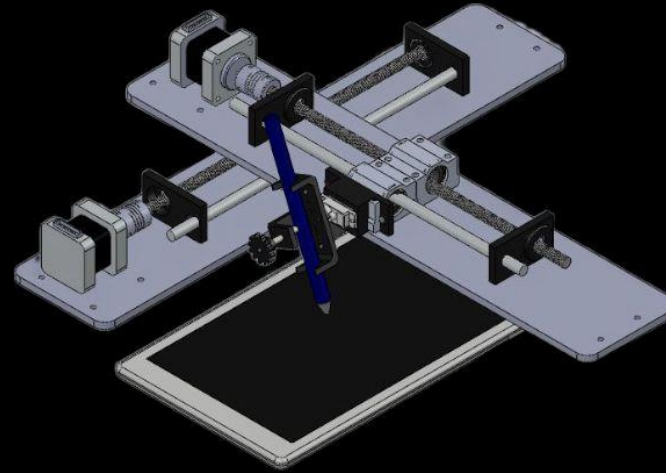
SOLUTION

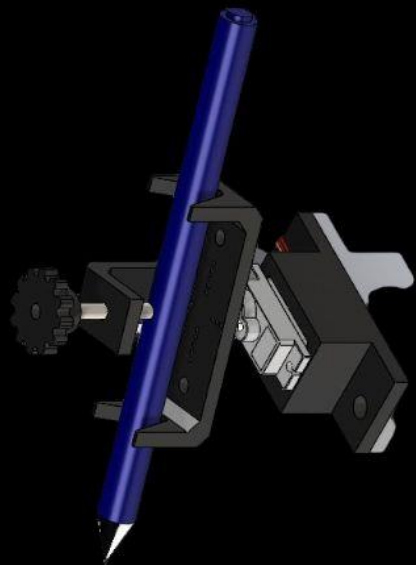




HARDWARE

WORKING MODEL

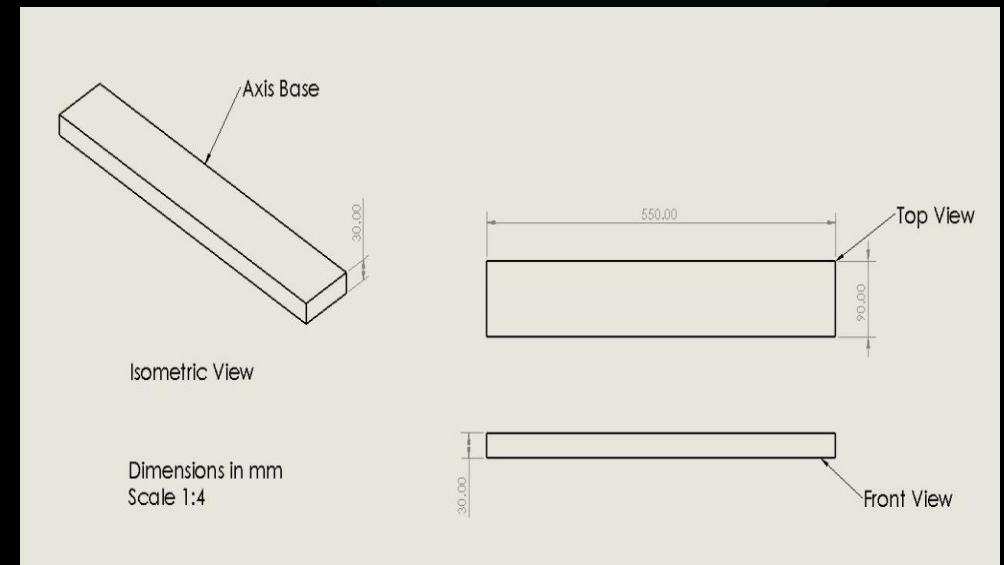
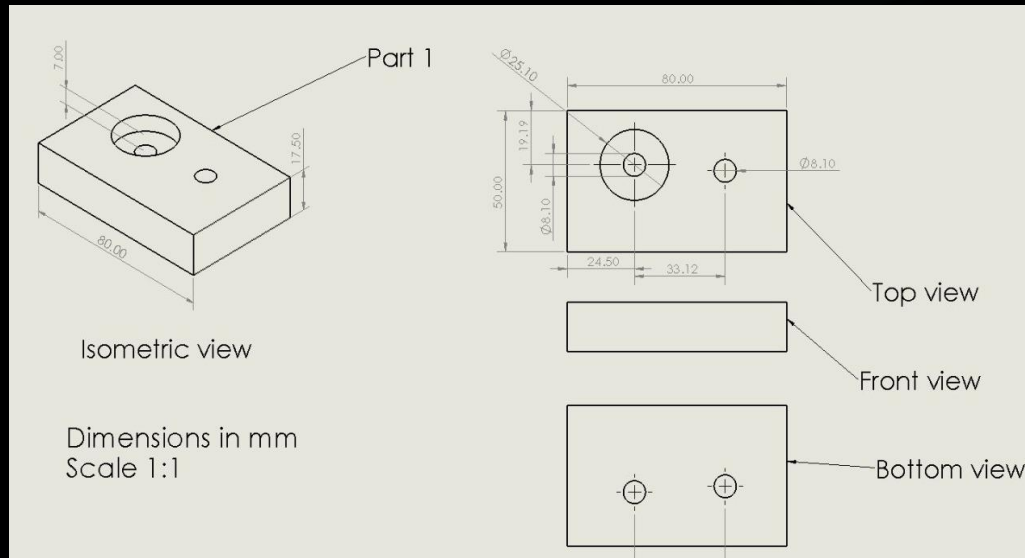




WORKING
MODEL

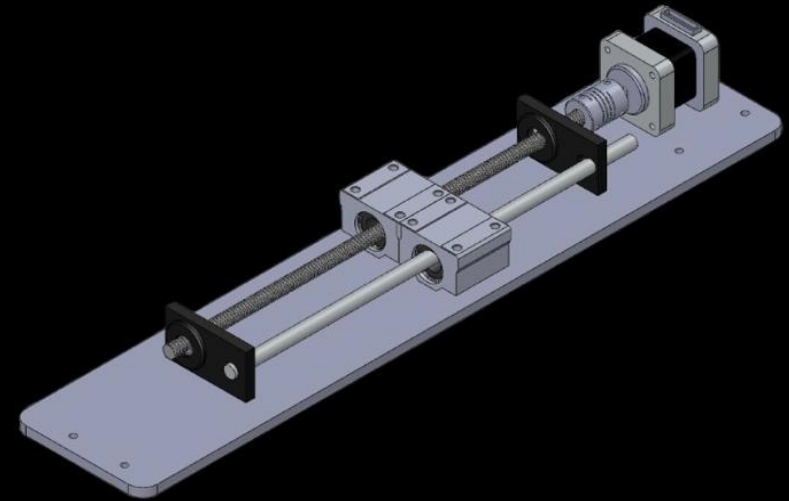
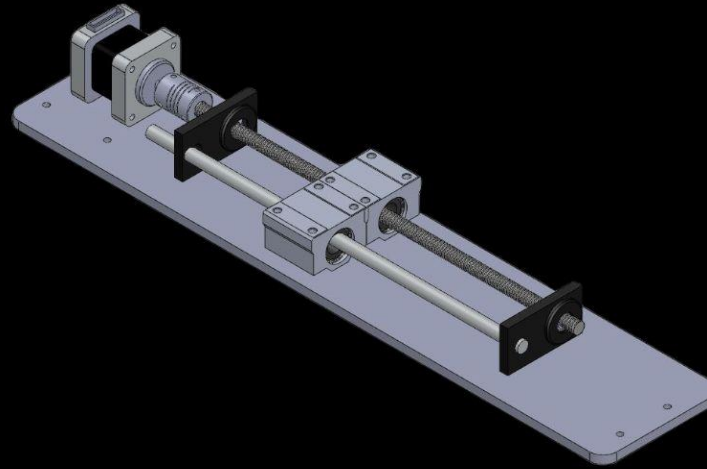


WORKING MODEL





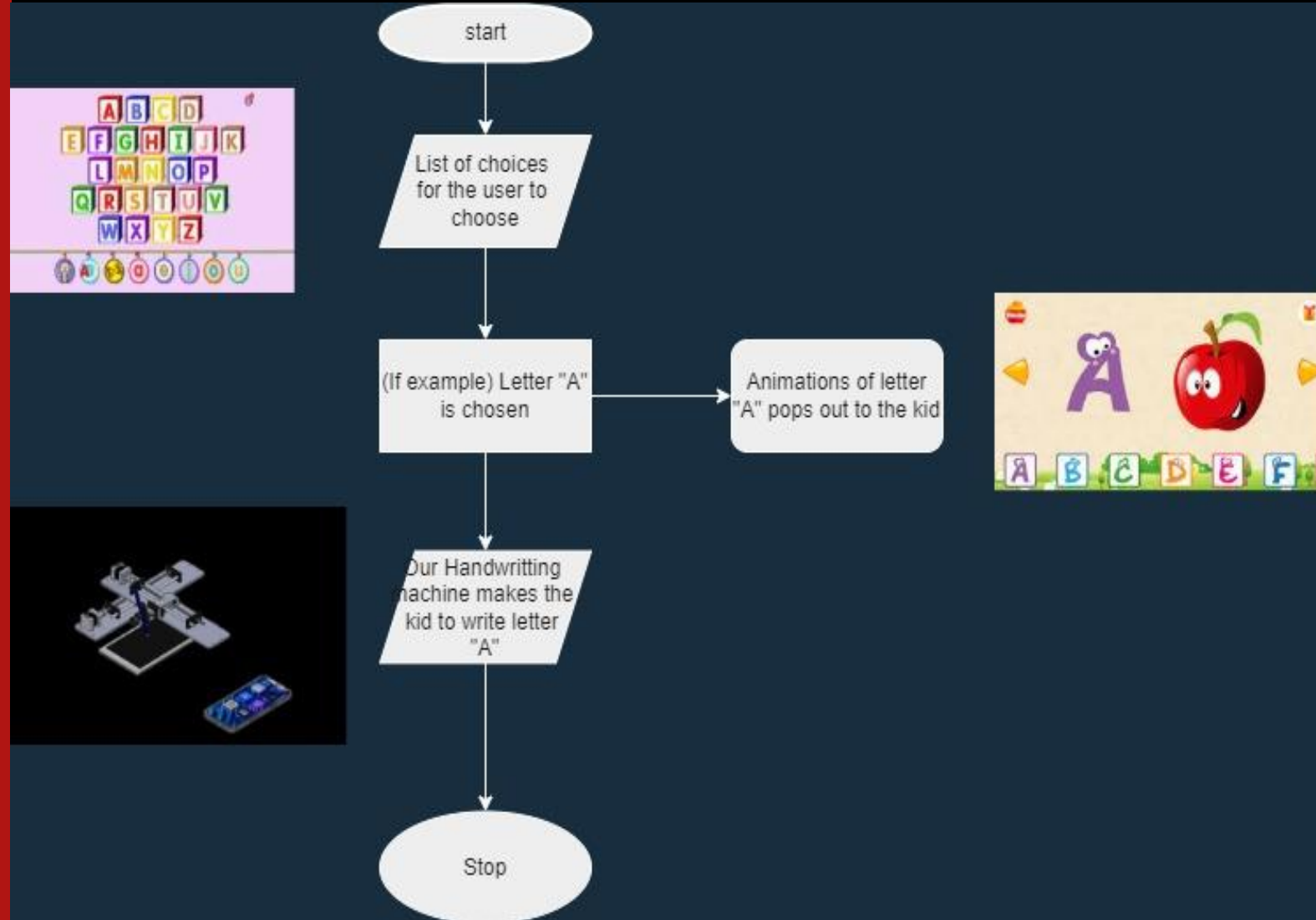
SYSTEM DIAGRAM

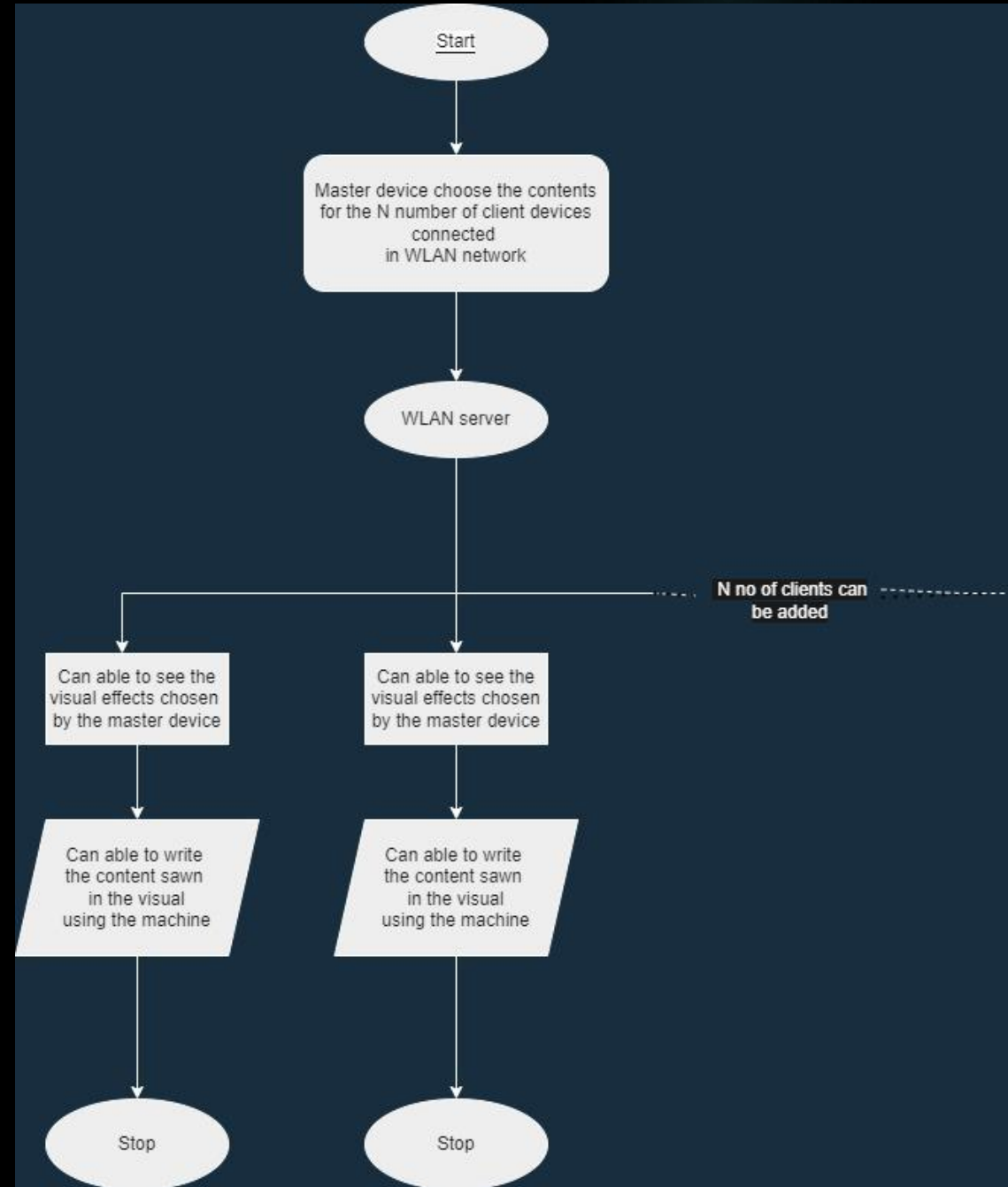


WORKING
MODEL

SOFTWARE



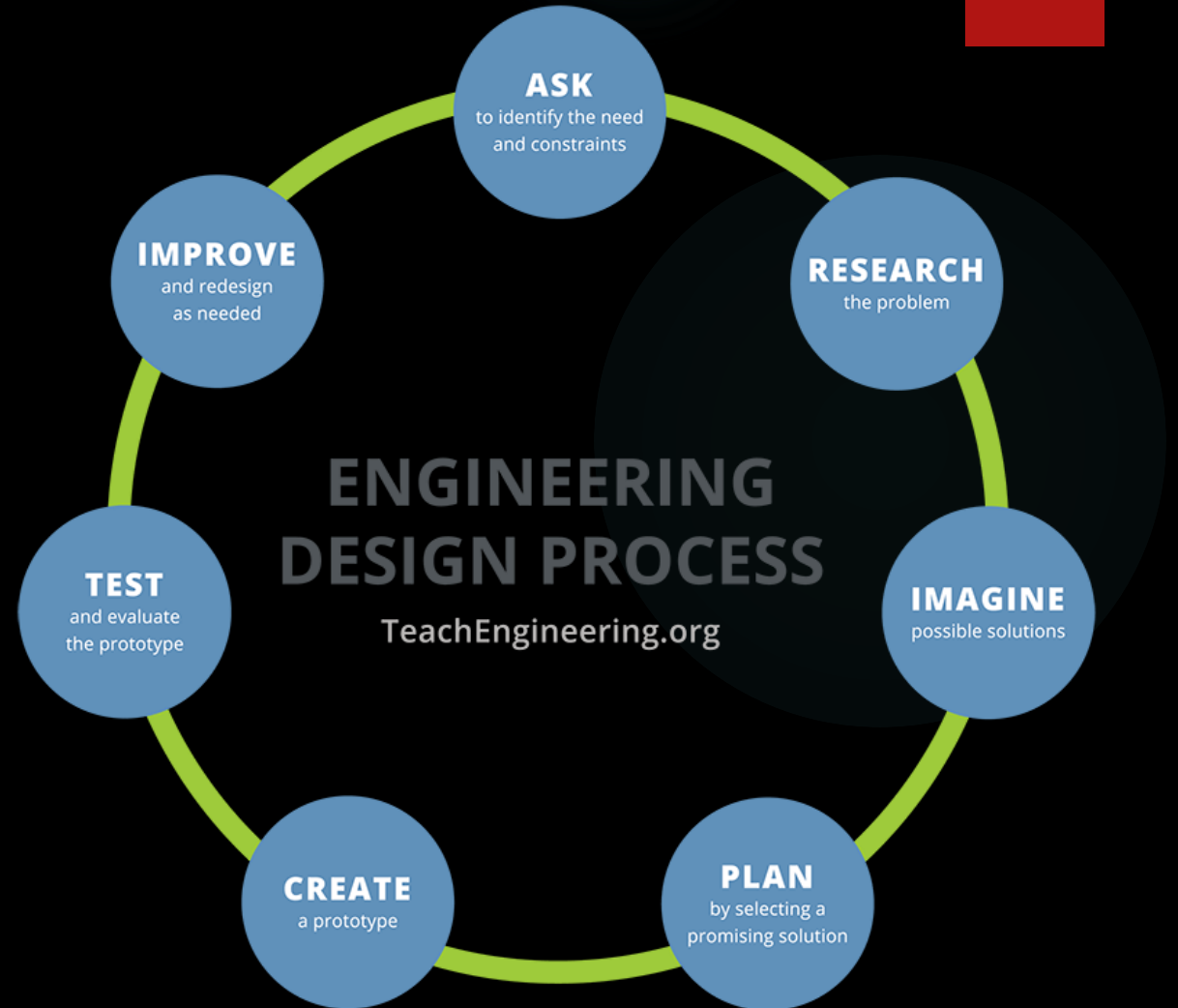






DESIGN

CONSTRAINTS





COST

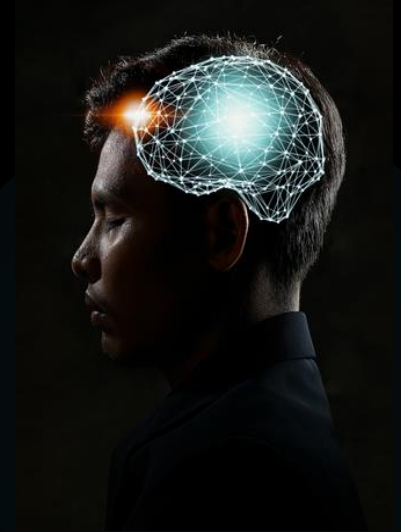
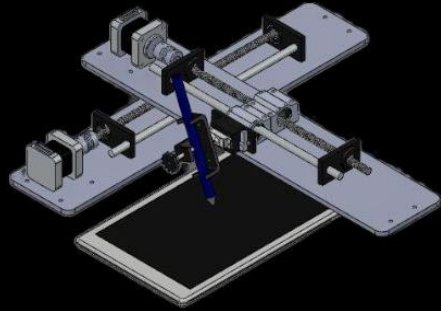
ESTIMATION

PRODUCT NO	PRODUCT NAME	PRODUCTION COST (in Rs)	RESEARCH COST (in Rs)
1	<u>Servo motor</u>	50-100	220-400
2	<u>Stepper motor</u>	150-300	500-600
3	<u>HC-05 Bluetooth Module</u>	100-150	400-500
4	<u>L239 CNC shield for Arduino</u>	100	300
5	<u>Arduino UNO R3</u>	200-300	500-800
6	<u>Radial bearings</u>	150-200	400-500
7	<u>Smooth rods</u>	100-250	400-600

PRODUCT NO	PRODUCT NAME	PRODUCTION COST (in Rs)	RESEARCH COST (in Rs)
1	<u>Thread rods</u>	250-400	1000
2	<u>Linear motion ball bearing</u>	300	600-700
3	<u>Coupling</u>	100-150	329
4	<u>Jumper wires</u>	50	100-150
6	<u>Power switch</u>	100	150
7	<u>Power source</u>	500	1400



ANALYSIS





Predicted model

UOZUJUS-UZ

