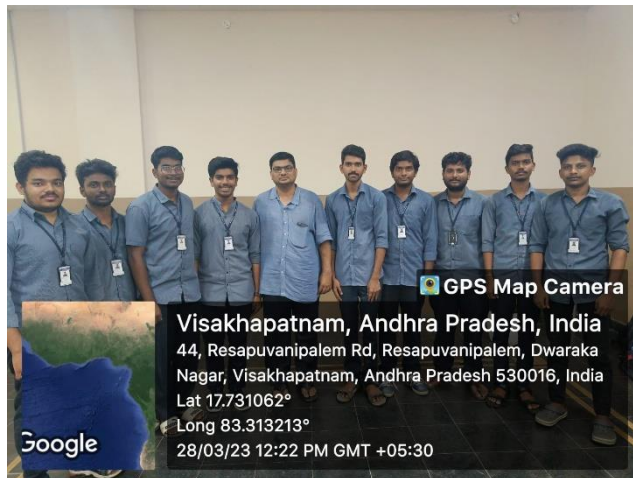


ROBOTIC ARM USING ROS

ABOUT



PROJECT TEAM

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OBJECTIVE

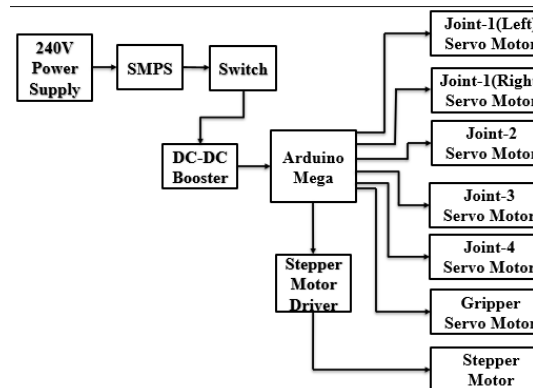
To design and implement a Robotic Arm using ROS. It is used to carry out a particular object and keep it in a required position.

DESIGN REQUIREMENTS

- A4988 Stepper Motor Driver
- Stepper motor

- MG996 Servo Motor
- Arduino Mega 2560
- PCB Board
- SMPS
- DB-Connector
- Push Button Switch
- DC-Dc Boost Converter
- Ball bearings

DESIGN CONCEPT

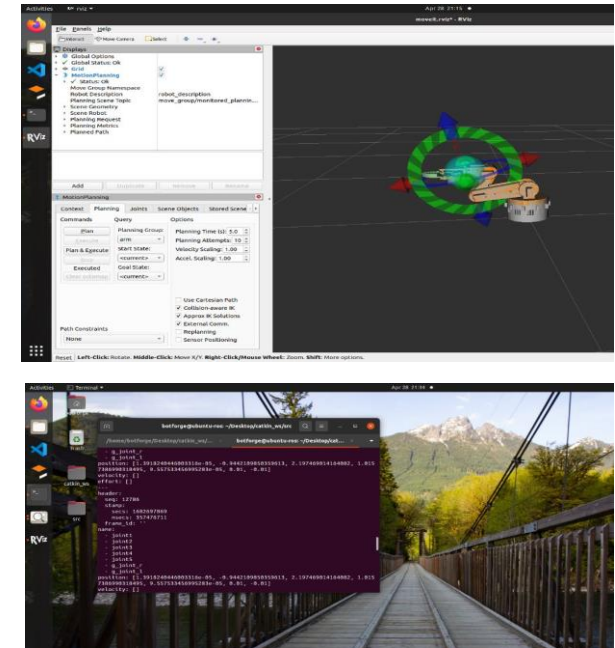


IMPLEMENTED DESIGN



Prototype and design of Robotic Arm

EXPERIMENT /ANALYSIS



CONCLUSION

The objective of project has been achieved which was developing the hardware and software for a controlled robotic arm. The main aim of our project is to build a robotic arm that can be pick things. The applications of robotic arm are restricted to the industries and primarily used in manufacturing units for increasing productivity. These arms are very sophisticated and can manage to make extremely precise movements. The robotic arm-controlled method is accepted to overcome the problem such as placing or picking object that away from the user, pick and place object in very fast and easy manner.



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