## PAINTING STATION

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The title of my project is Painting station. The painting of circular steel pipe in industry with paint brush or spray may time consuming and cause hand fatigue to the worker moreover it is not good to worker health. This project is with the aim at developing and making simple automatic painting station for use especially in circular steel pipe painting. The circular steel pipe may autonomously pass through a painting station with the help of material handling equipment.

The painting device in the station will perform the painting on surface of the circular steel pipe. Companies can use this mechanism replaced to reduces laborers and save cost. The painting station will be much more user friendly and convenient compared to the worker spray the pipe which is very harmful to health. Painting station will enhance the efficiency. This painting station here will be a large number reduce on laborers such, due to the efficiency of the output. Not much strength and energy is required so a certain person can easily increase the total achievement in a certain day. This project will demonstrate the feasibility studies by applying mechanical engineering concept and electrical technology. The designing process involves the use of CAD 3D software for the model of painting station, the necessary theory and calculation for torque and the selection motors, material selection and fabrication of prototype. Finally test should be conducted to verify the cost and efficient of the prototype.