A small robotic arm model

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Preface

This was my first practical project on a breadboard in university in 1st year. This was the usual academic project of a friend of mine doing Mtech in mechanical engineering in Thapar university. He took my help because he didn’t have any experience in electronics.

This was a great experience for me as this was the first time I applied my theoretical knowledge on an actual breadboard and made it work. Also as the mechanical part was a bit tiresome so we did it together in workshop all from scrap that was lying there. I got good experience about what should be kept in mind while making thing mechanical. For example I learnt how to keep the centre of mass of the things (motors in this case) in the centre and as low as possible for stable design.

Introduction

Electronics

Code

Final look

Conclusion