



## Lite arm i2 (ABB robot)

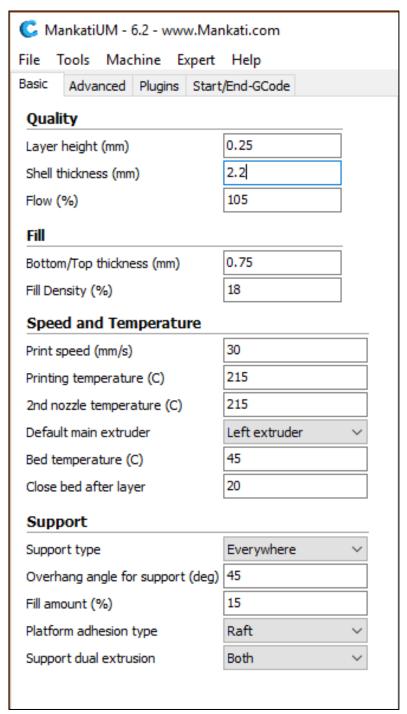
Amir Kabir University of Technology

**Electrical Engineering Department** 

Final Project for Course: Introduction to Robotics

Supervisors: Dr. Talebi, Dr. Sharifi

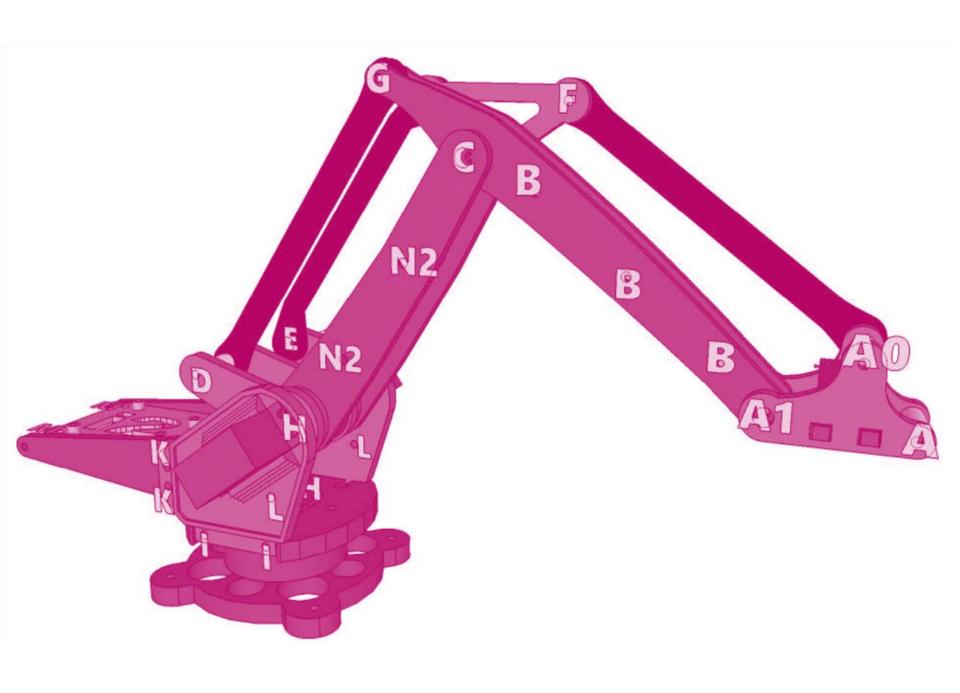
March 2018

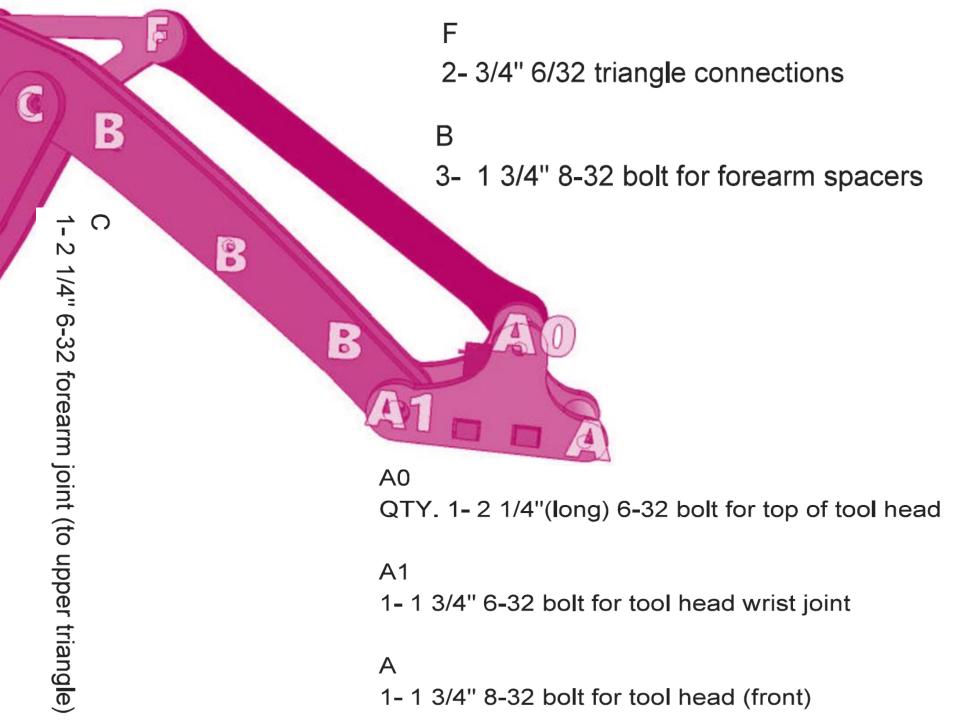


## **3D Printer Setup**

using mankatiUM-6.2







D

1- 2" 6-32 forearm actuator joint

Е

1- 1" 6-32

Head linkage to shoulder

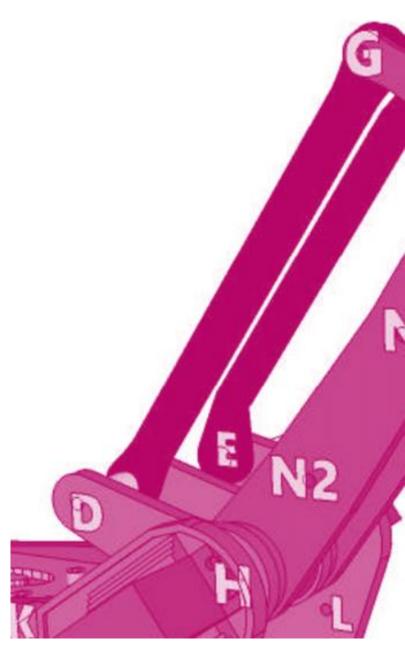
13 to 17

G

1 1/4" 6-32 elbow 15 to 20

Η

12- 1/2" 8-32 for servo mounts



- 4- M3x15mm for base (6b to 7b&8b)
- 4- M3 nuts

J

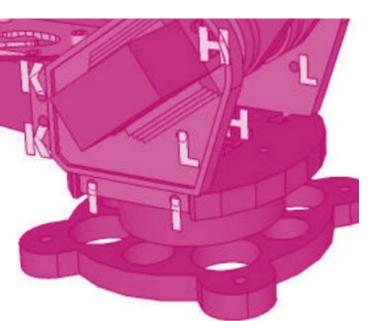
3- 1 1/4" 8-32 for 5b to 6b connection

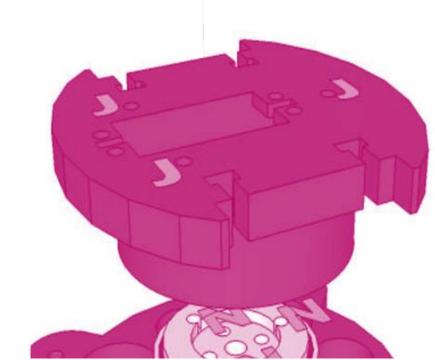
K

4- 3/4" 8-32 connects Arduino board supports (7b 8b 9b 10b)

L

1- 3 3/4" 8-32 breast connection







M 4- 5/8" 8-32 for Arduino plate (i2)



## **All Parts Printed**



## **All Parts Assembled**

