

# PORTFOLIO

A pictorial review of my past 1.5 years

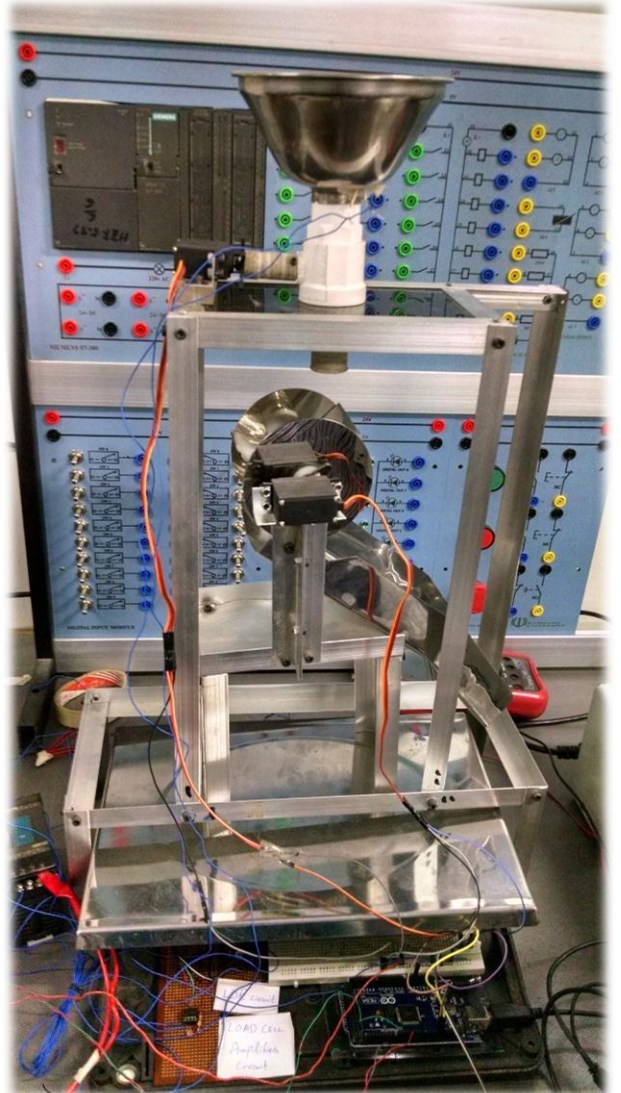
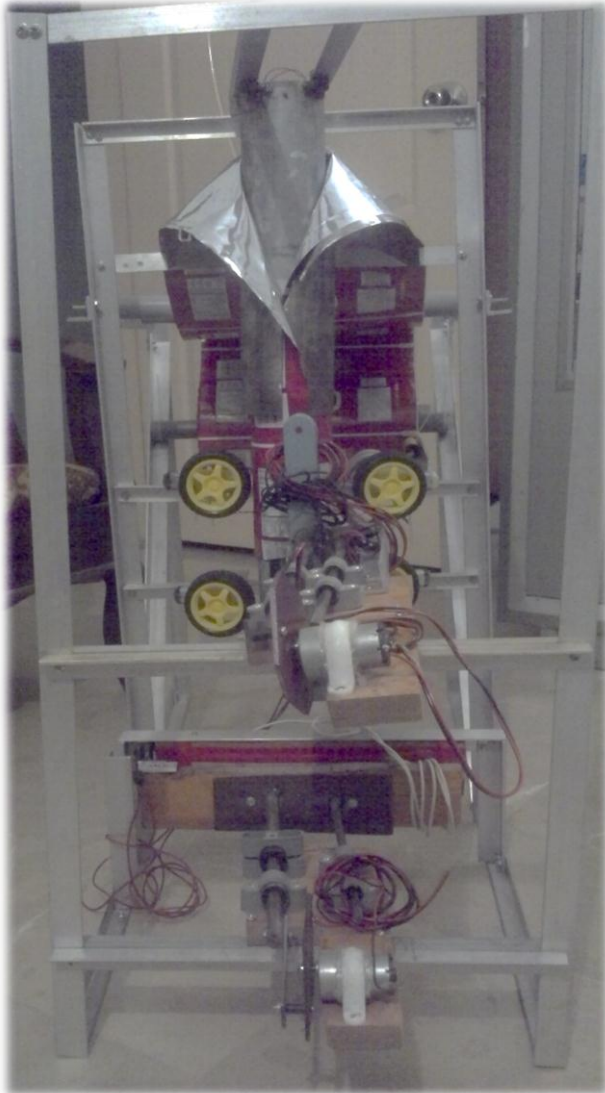
## Noor Ahmed Raza Pirwani

A brief overview of the things I have learned, worked on and made in the past year, my final university project, my published project from the university and my time with EjaadTech and as Space Manager at Tajurbagah.

# Solar Panel Cleaning Kit



# PLC Based Packaging Machine



# Haythum

A Raspberry Pi Zero based camera which takes a GIF, a picture and 8 sec short video just on 1 click. With rechargeable battery and charger all built-in to a very small portable plastic box.



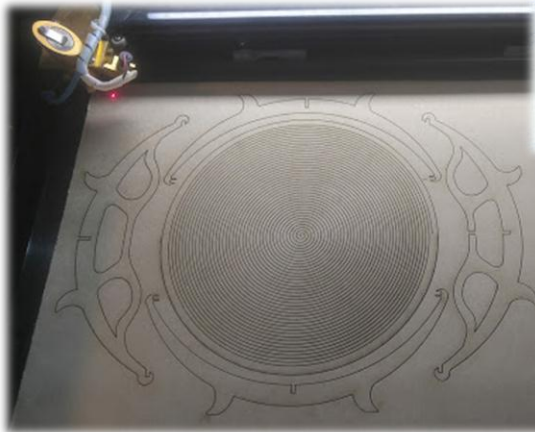
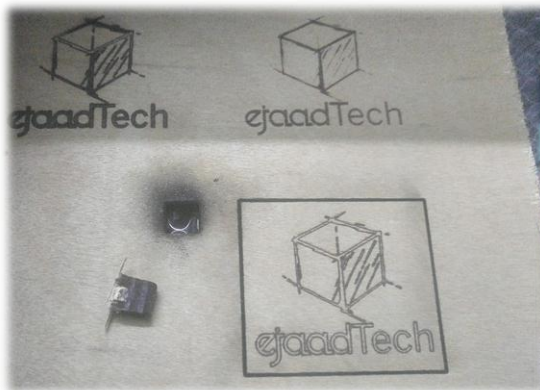
# Hydraulic Robot Arm

A simple Robot Arm which works on the principle of basic hydraulics, using simple materials, cardboard and syringes and we are making this into a KIT for schools at EjaadTech



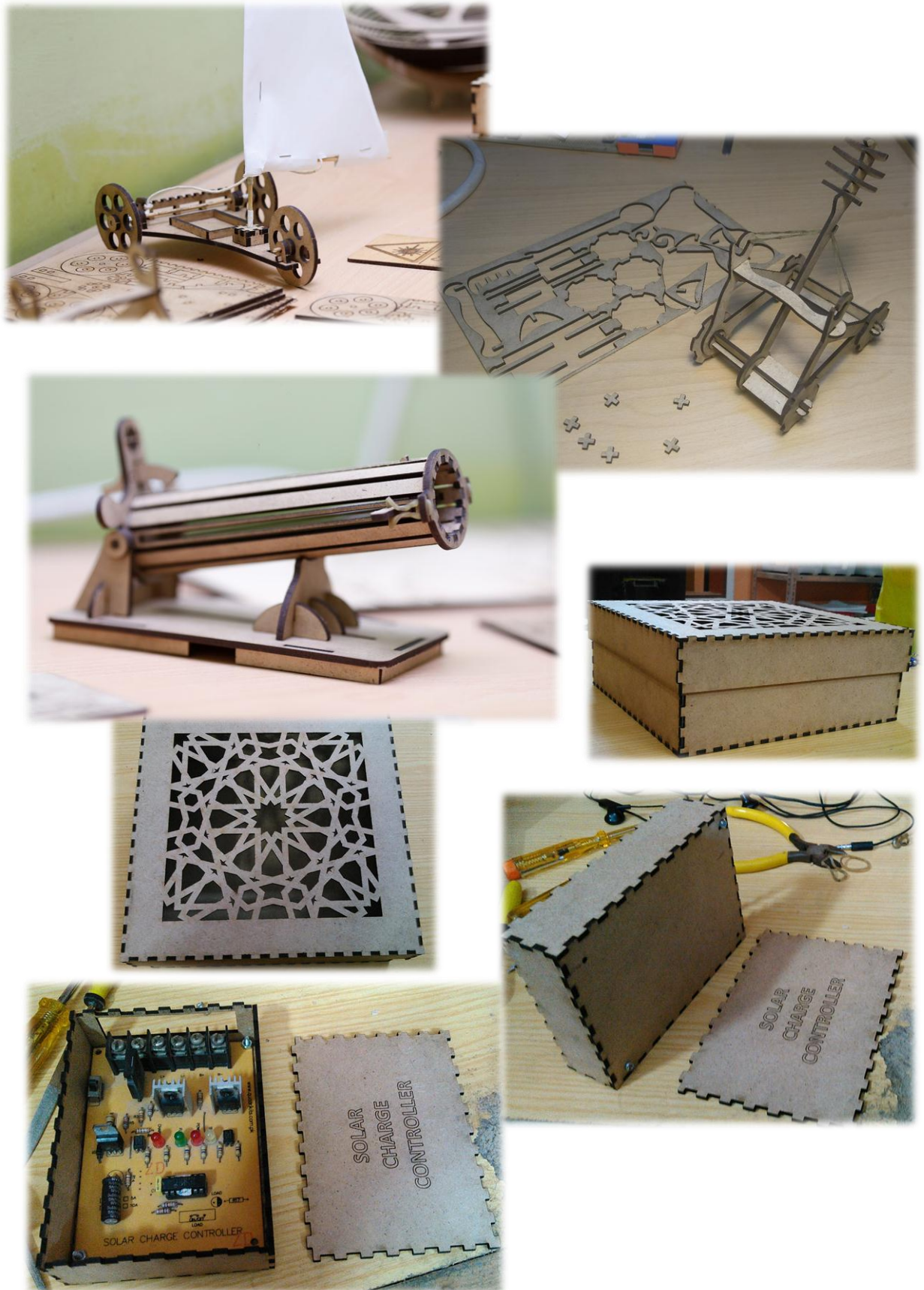
# Recent LASER CUTTING Experience

Setting Up LASER Cutter at Tajurbagah, testing it, calibrating it and first cuts on wood pieces.

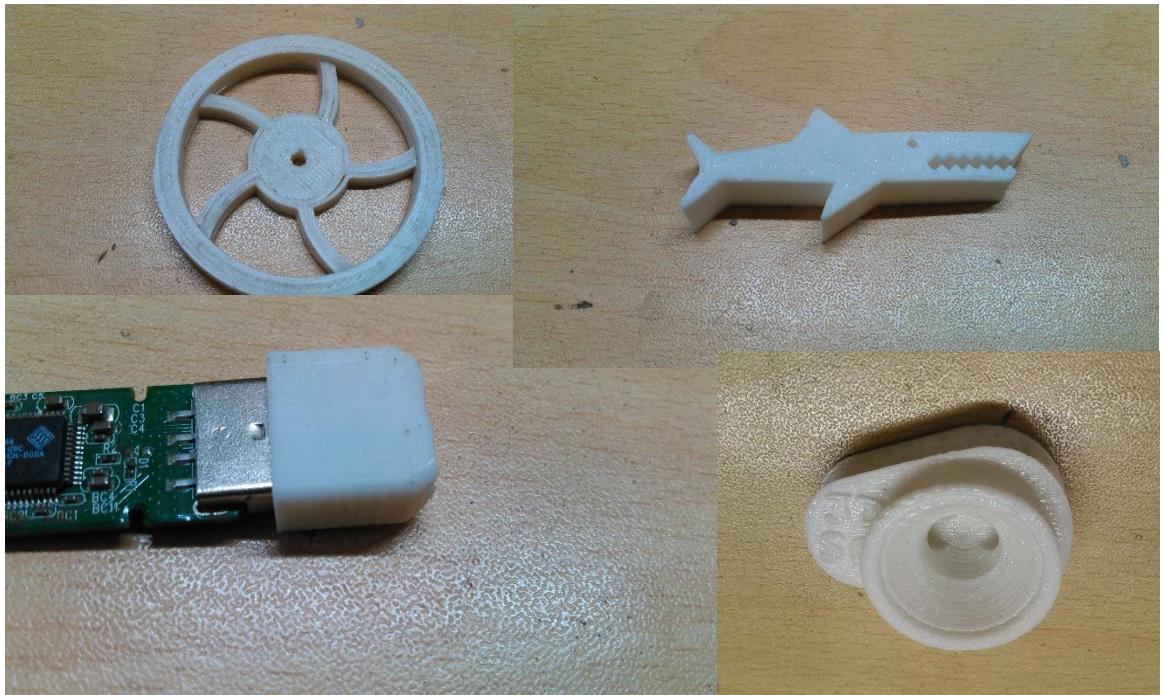


# Recent LASER CUTTING Experience

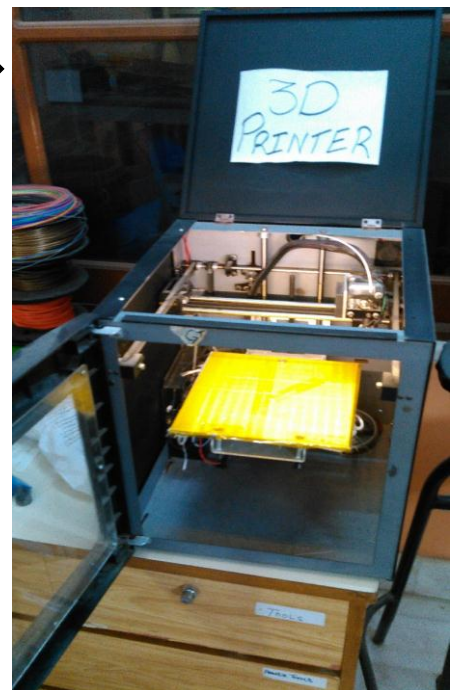
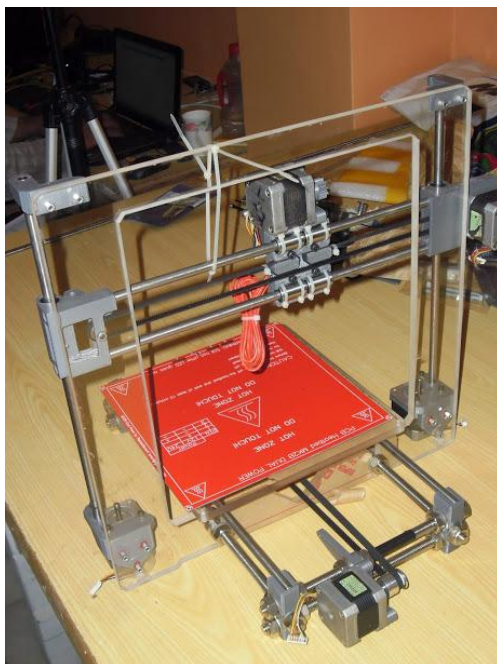
Different Kits form the internet, modified to work with our software and especially modified the design files to the correct size of the wood board that we have at Tajurbagah.



# 3D PRINTING



SOLIDOODLE 4 @ Tajurbagah →



← Prusa i3 Clone  
KARIGAR @ Tajurbagah

# HACKING and MAKING

Abandoned Wireless Bluetooth Keyboard to Useable wearing keyboard



Ainol Novo 7 Aurora II Tablet repairing and made it usable



USB Cable Microscope FIXED and REVIVED



3D Printer Heat bed issue solved with EXTERNAL MOSFET Driver circuit





# TAJURBAGAH – where I am the Space Manager



# ACTIVITIES / WORKSHOPS / EXHIBITS

Celebrating the MAKER Culture and spreading the MAKER Spark in kids, teaching them about SOLAR, Robots, Programming, Arduino, Electronics and much more – as part of EjaadTech, I have learned a lot and have done my best to teach others what I have learned.

