

# Progress Presentation-I

e-Yantra Summer Internship-2017  
GrowBox Makeover

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Ajit

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Rucmenya

IIT Bombay

June 5, 2017

# Overview of Project

Progress  
Presentation-I

Abhishek  
Kumar  
Verma

Mentors:  
Vish-  
wanathan  
Ajit  
Lohit  
Rucmenya

Overview of  
Project

Overview of Task

Task  
Accomplished

Task  
Accomplished

Task  
Accomplished

Task

- Project: **GrowBox Makeover**
- Objective: Modelling, Designing and Building of Growbox
- Deliverables: 1)3D Printing the game console case and testing assembly  
2) Fabrication of GrowBox.

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Task No.	Task	Deadline
1.	Setting up Fusion 360, understanding the different tools	2 days
2.	Design of Game console casing	3 days
3.	3D printing the game console	1 day
4.	Making note of all different elements of existing GrowBox	2 days
5.	Listing the various designs required for the growbox	2 days
6.	Making rough sketch of the design by hand with proper measurement	2 days

# Task Accomplished

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- Task 1- Installed fusion 360 and understood different tools in it.
- Task 2-
  - 1 Measuring dimension of game console PCB.
  - 2 Making rough sketch of game console case.
  - 3 Designing of game console in Fusion 360.
  - 4 3D Printing of game console in progress.
- Task 3- Understanding different elements of growbox .
- Task 4- Rough sketch of growbox.

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## Overview of Project

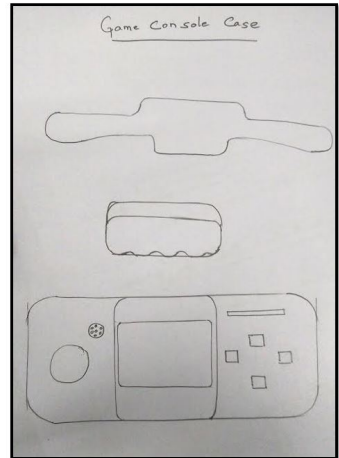
## Overview of Task

Task Accomplished

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Task Accomplished

## Task

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# Task Accomplished

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## Game Console Case RFinal Design



The 3D model is ready. Click 3D MODEL

# Task Accomplished

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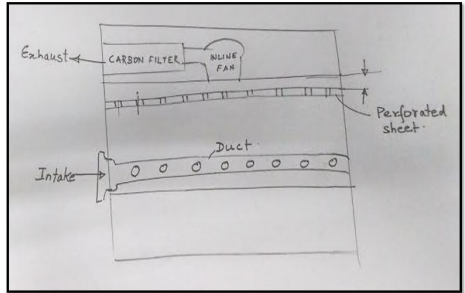
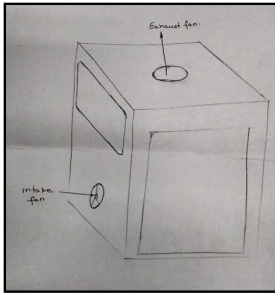
Task  
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Task

## GrowBox V1 Rough Sketches



The Rough 3D model is ready. Click 3D MODEL

# Challenges Faced

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Task  
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Task

- 1 Understanding tools of Fusion360 compared to SolidWorks .
- 2 3D Model of game console case locking mechanism.
- 3 3D printing of case.
- 4 Understanding Growbox ventilation and lighting system.



# Future Plans

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Task  
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Task

- 3D Printing and testing assembly of game console case.
- Finalizing the design of growbox V1.
- Finalising measurement of growbox.
- Designing of V1 in fusion 360.

# Thank You

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## THANK YOU !!!