

**3-Months**

Track Covered	Class	Content
<b>Design Thinking</b>	Class 1	Introduction & DT process
	Class 2	DT Examples & Activity
<b>Product Design</b>	Class 3	Affordance
	Class 4	Signifiers
	Class 5	Conceptual Model
<b>English Class</b>	Class 6	Listening strategies
<b>Product Design</b>	Class 7	System Image
	Class 8	System Image
	Class 9	Gulfs of Evaluation
	Class 10	Gulfs of Execution
	Class 11	Apply affordance and signifiers in design Use low-fidelity paper-based prototyping Explore multiple solutions to a problem Evolve your design by evaluating with users
<b>English Class</b>	Class 12	Reading
<b>Prototyping</b>	Class 13	Getting started with Arduino
	Class 14	Connect and Interface Arduino Practical session - "Hello World" your first example, basic examples
	Class 15	Using Logics and Decision Making
	Class 16	Getting started with Arduino Programming Kit
		Practical session - if statement , While loop , switch cases and Using maths and Creating Functions
	Class 17	Interfacing Sensors
	<b>English Class</b>	Class 18
<b>Prototyping</b>	Class 19	Interfacing Peripherals & Interfacing Shield
	Class 20	Practical session - "Switch" cases
	Class 21	Practical session - Using Maths and Creating Functions
	Project	Gulfs of Evaluation & Execution
<b>Python</b>	Class 22	Indentation Keywords
	Class 23	Identifiers Variables Constants Literals
	Class 24	Data Types
	Class 25	Control Flow - If, elif, else
	Class 26	Control Flow - for, while
	<b>English Class</b>	Class 27
<b>Python</b>	Class 28	Functions
	Class 29	Object oriented programming - Class, Objects, Methods
	Class 30	Object oriented programming - Encapsulation, Polymorphism, Inheritance
<b>Raspberry Pi</b>	Class 31	Getting started with Raspberry Pi
	Class 32	Connect and Interface Raspberry Pi
	Class 33	Practical session - "Hello World" your first example, basic examples
	Class 34	Using Logics and Decision Making
	Class 35	Getting started with Raspberry Pi Programming kit
	Class 36	Practical session - if statement , While loop , switch cases and Using maths and Creating Functions
	Class 37	Interfacing sensors
	Class 38	Interfacing sensors - IR sensor,LDR,Flame sensor
	Class 39	Interfacing sensors - Moisture sensor, LM35 Temperature sensor,Pressure sensor
	Class 40	Rain detector,PIR sensor,Ultrasonic sensor
	Class 41	Raspberry pi projects in ThingWorx Platform.
<b>Project Presentation</b>	Class 42	Project Title Choosing & Presentation - Should submit your own Ideas and Titles for Product Track - Presentaion
	Class 43	