



# myant

next thing

INTERNET OF THINGS (I.O.T)  
SEPTEMBER 21- OCTOBER 6  
WEEKENDS ONLY  
2 PM - 4:30 PM  
VELMENNI LABS, OKHLA

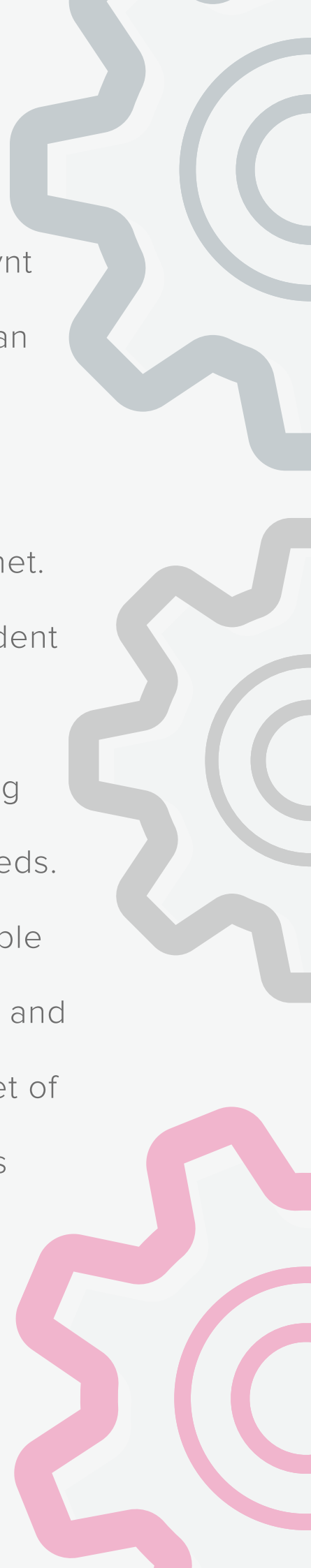
FACILITATOR : DEEPAK SOLANKI  
CAPSULE OVERVIEW

# CAPSULE OVERVIEW

The I.o.T capsule designed and delivered by Mynt aims to provide the student with an insight into an exciting landscape where everyday objects and physical devices are connected and can be remotely monitored and controlled via the internet.

The curriculum is designed to introduce the student to the key aspects of the technology, technical aspects and the processes involved with building smart devices and programming them to our needs.

The expected outcome of this capsule is to enable the student to develop and build a smart device and gain an insight into the vast world of the "Internet of Things" and make better-informed key decisions regarding further exploration in the field .



# FACILITATOR AND MENTOR



DEEPAK SOLANKI,  
Inventor, LIFI  
Founder, VelmenniLabs

Deepak is a dynamic young engineer and researcher having experience of building electronics products in past. He has participated in various projects from academic institutions like IIT - Hyderabad & Sine IIT - Bombay while alongside publishing multiple research reports on mobile robotics & consumer electronics. Today, he's conquering the ever-evolving start-up culture while constructing LiFi & disclosing its application in exciting new verticals.

# CAPSULE CONTENTS

## Class 1: Introduction

### Who are we?

Introduction about the facilitator, the who, why and what basis of his/her journey in I.o.T.

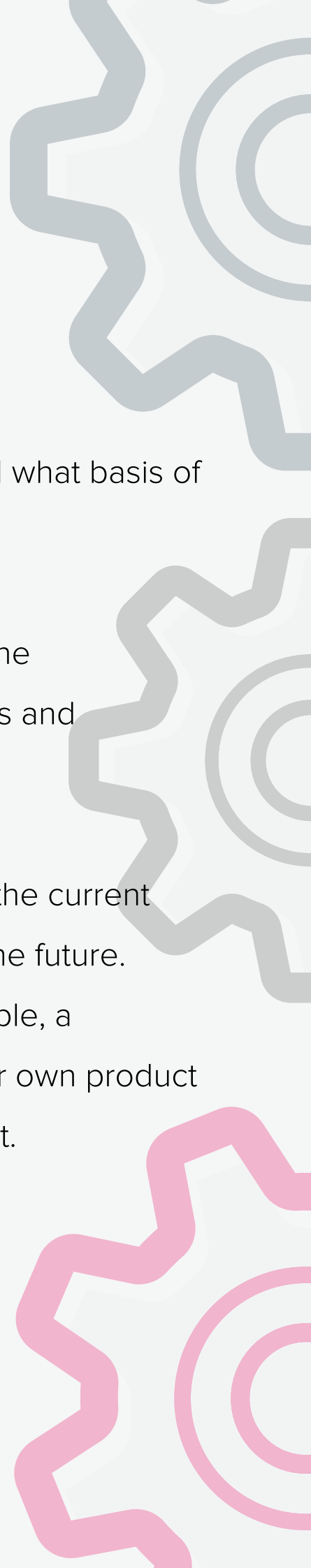
### What is I.o.T?

A discussion about the meaning of I.o.T, what are the stereotypes associated with this and the challenges and opportunities in this sector.

### What is the Scope of I.o.T?

Discussion about the importance of IoT in society, the current components of typical IoT devices and trends for the future.

Students also learn how an idea can become a viable, a workable IoT product and be able to generate their own product ideas and design and/or support their development.



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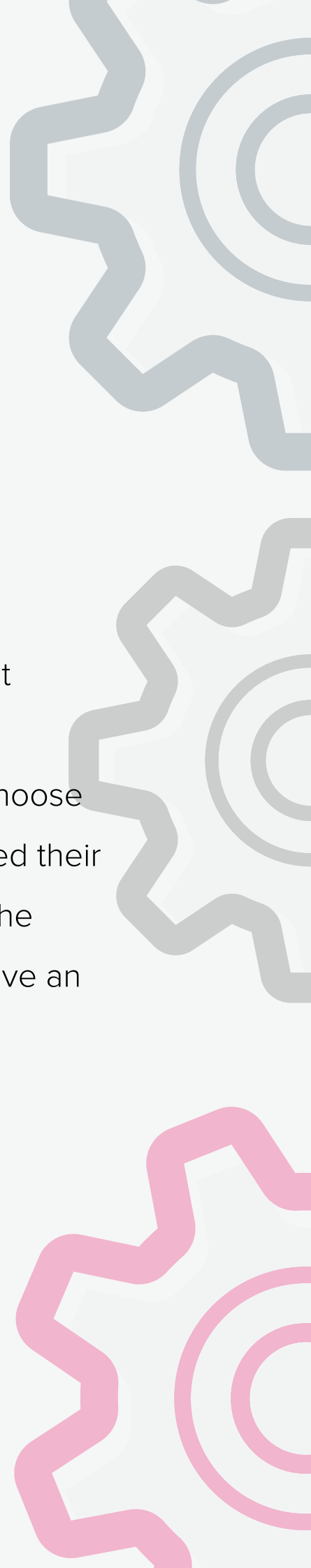
Class 2: How to Start?/ Project Ideas

Basics of Electronics / Hardware

Basics of Software / Programming

Introduction to different IOT platforms / Embedded Platforms

In this class, students will be introduced to the different products they can build in the duration of our I.o.T capsule. Students will be given an opportunity to choose any one project. Once all the students have selected their preferred project, groups of 3 or 4 (depending on the class strength) will be made and each group will have an assistant facilitator. In the second half of the class, students and the assistant facilitator will decide the strategy, goals, approach and responsibility for the project.



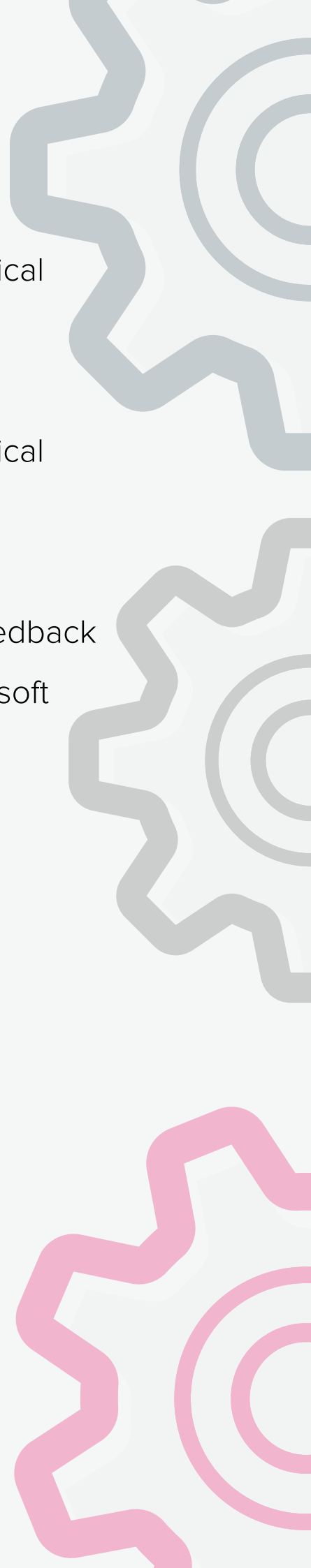
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Class 3: Hands On learning integrated with theoretical knowledge (project specific)

Class 4: Hands On learning integrated with theoretical knowledge (project specific)

Class 5: Testing of the final product followed by feedback for improvements. Students will also be trained on soft skills for the presentation.

Class 6: Final Pitch Day & Demo



# FAQ'S

Q. What are the kind of I.o.T products that we will make in the duration of this capsule?

A. We currently offer the following options for you to experience the process of making an I.o.T product :

- Smart Home – Controlling things from Alexa
- Sub Project (Mood Lighting / Smart Air-conditioning)

Q. Are there any prerequisites to this capsule?

A. There are no prerequisites for this course. Anyone and everyone who's inclined towards learning about IoT can pursue it.

Q. How long is each session?

A. Each session is approximately 2 and a half hours long.

Q. Do I need to get any equipment for the capsule?

A. No, everything will be provided for by Project Mynt.