

@signify

the meaning of light

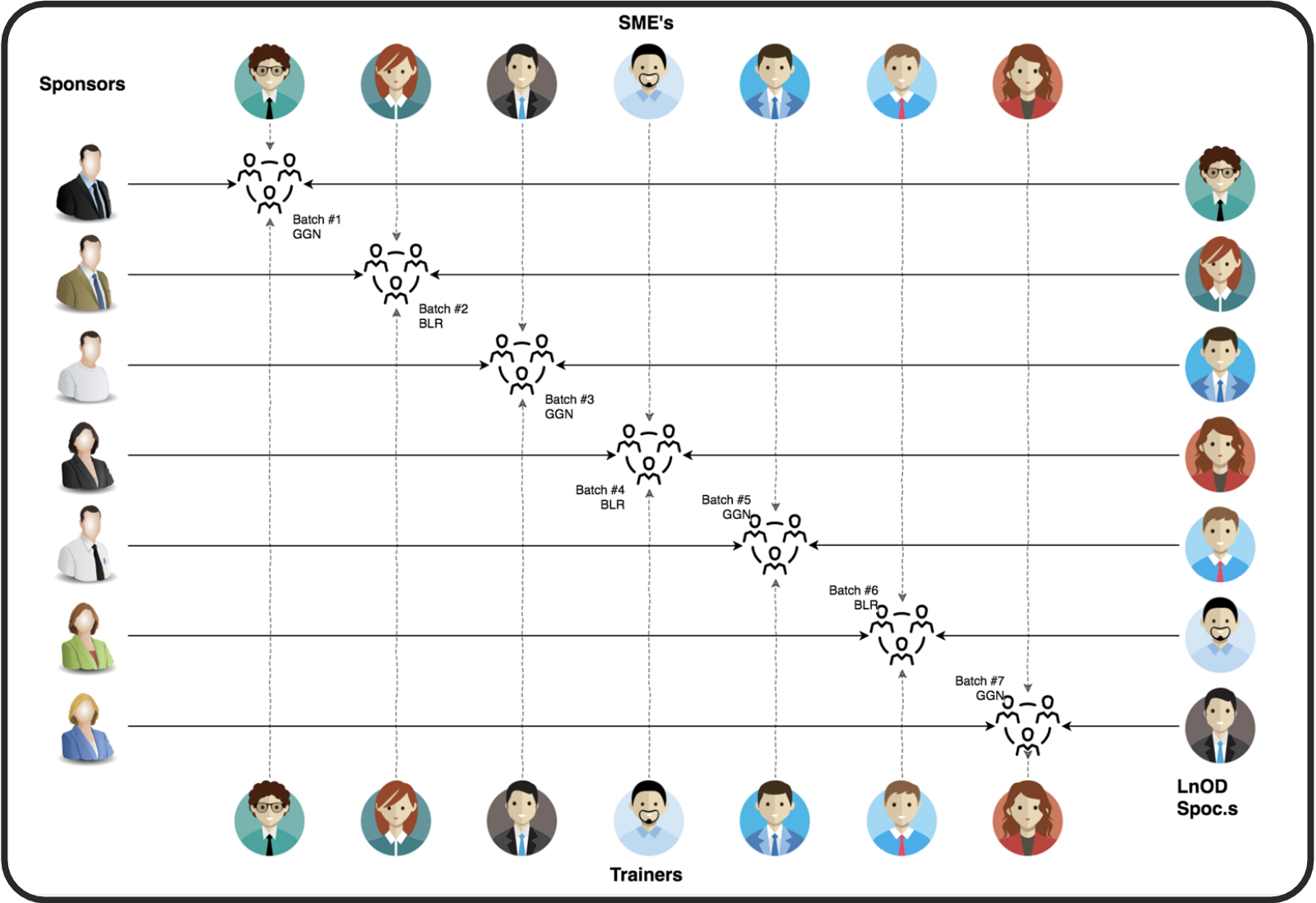
The Ask – Where we started

14 DAYS & THE D DAY

- 3 weeks plan
- Everyday Discussion about topics / Technologies/ doubt clearance .
- Every day with SME/Trainer discussion of Project progress & transformation based on backend Technologies

Stakeholders

1. Sponsors
 - Signify
2. SME's
 - Amit Balyan
3. Coordinators
 - Seema Sandeep
 - Shwetha





Our next starts **NOW**

2 WEEKS OF TRAINING + PROJECT DEMO



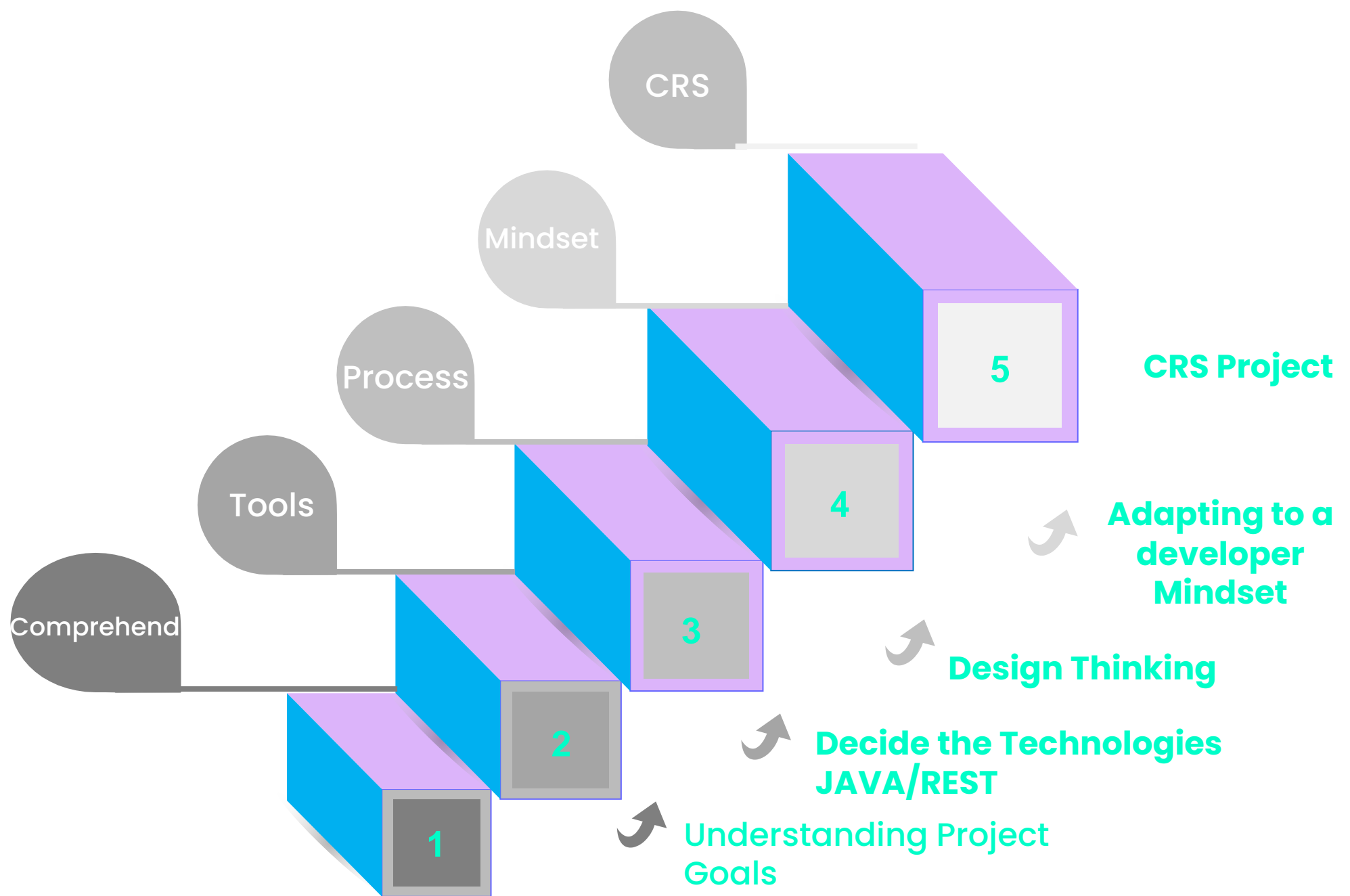
AGENDA

- 01 Our Journey
- 02 Our Team
- 03 Team Structure
- 04 Project Goals
- 05 Engineering Practices
- 06 Tech Stack
- 07 Development
- 08 Challenges & Learnings
- 09 Demo
- 10 Questions



OUR JOURNEY





OUR TEAM





**Divyansh
Purohit**



**Himanshu
Yadav**



**Samiksha
Upadhyay**



Mridhu Kaura

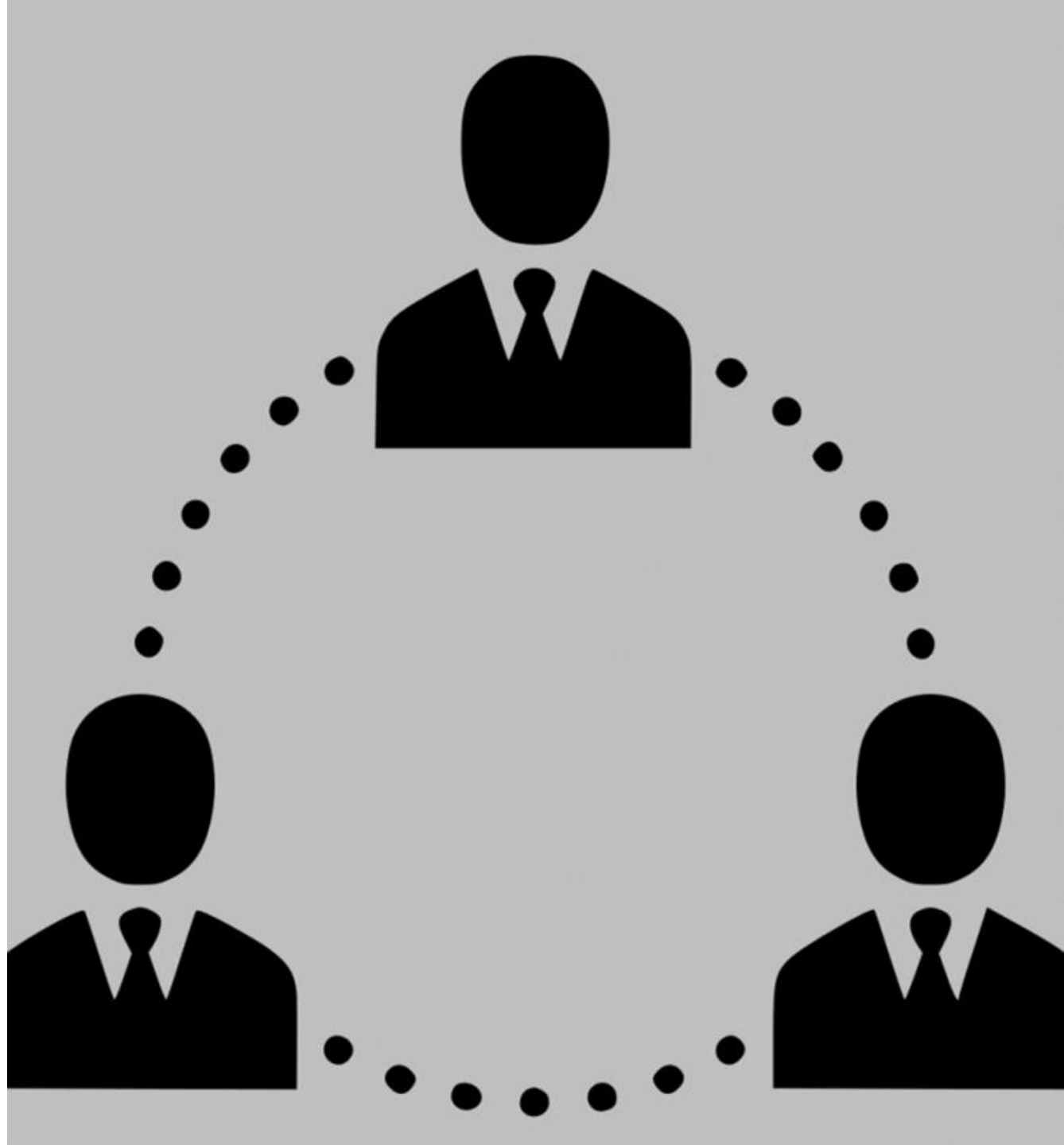


**Priyanka
Kansal**



Srishti Soni

TEAM STRUCTURE



GOAL

- To develop the CRS (Course Registration System) for the ease of academic curriculum.
- In this whole journey, our goal was to learn and implement various tech stack like Java, Angular, STS, Spring Boot, Node JS, SQL, GIT.
- To work collaboratively as a team and execute Agile way of working.



Our Vision

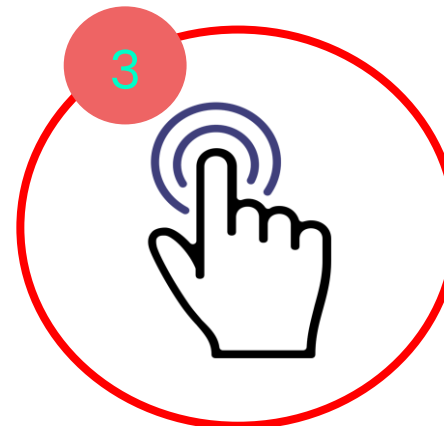
To create a **Course Registration System** using full stack development tools and technologies, where a student can access their academic curriculum with ease and the professor has access to their course and the respective students enrolled in it. The admin handles and manages all the operations.



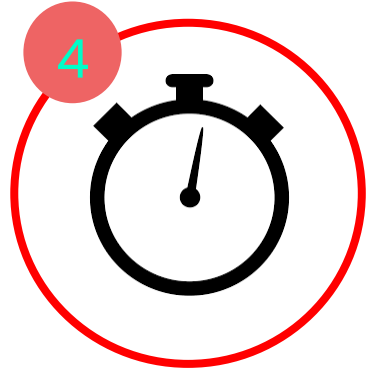
Quality



Security



Interactivity

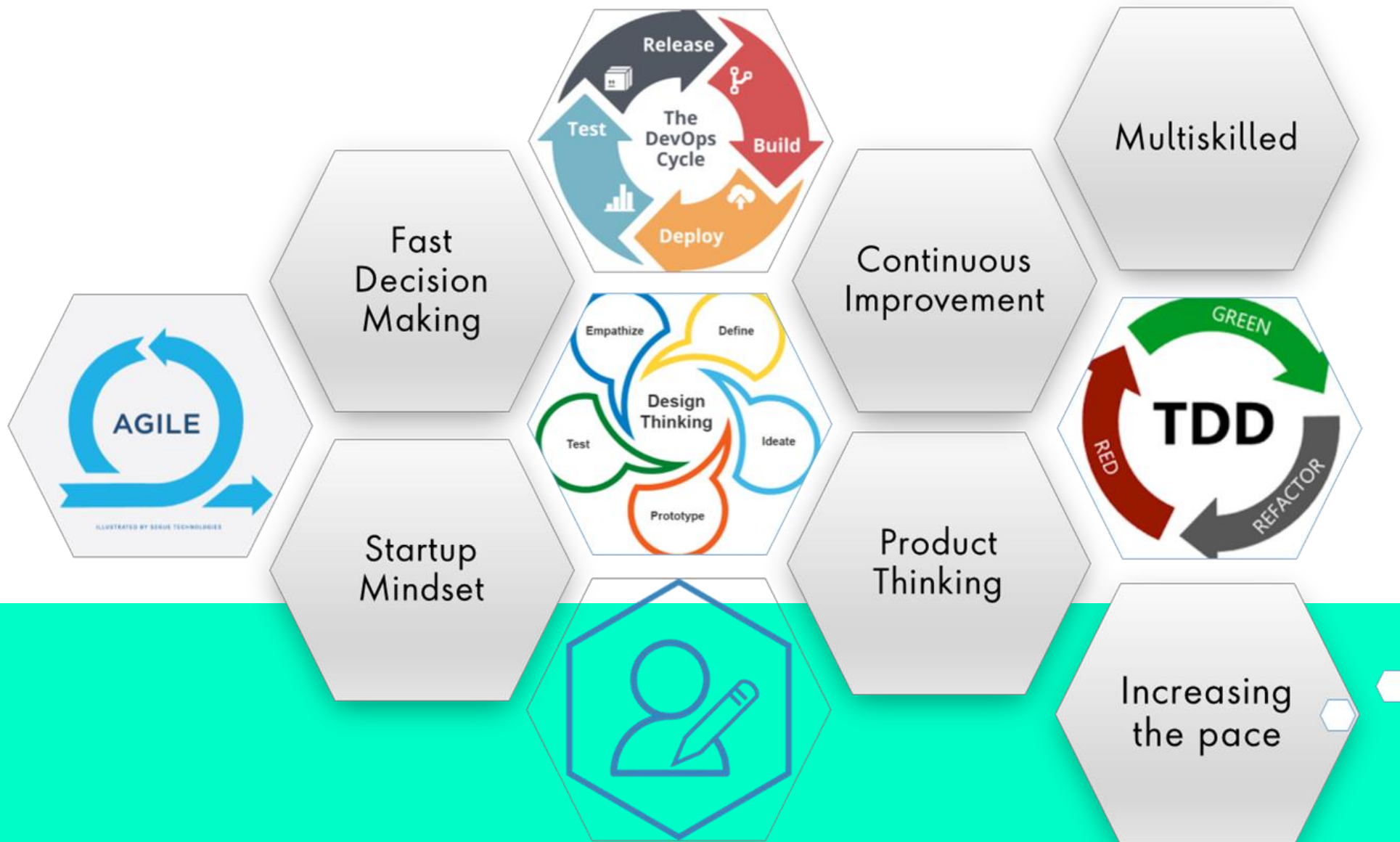


Speed

ENGINEERING PRACTICES

- **Singleton Pattern**-It is a Creational pattern, whose objective is to create only one instance of a class and to provide only one global access point to that object.
- **Decorator Design Pattern**- It falls into the structural category, that deals with the actual structure of a class, whether is by inheritance, composition or both. The goal of this design is to modify an objects' functionality at runtime.
- **Command Design Pattern**- It focuses on how classes and objects communicate with each other. The main focus of the command pattern is to inculcate a higher degree of loose coupling between involved parties





TECH STACK



Frontend

Framework



Backend

Core Language



Framework



Data

SQL Database



Tools

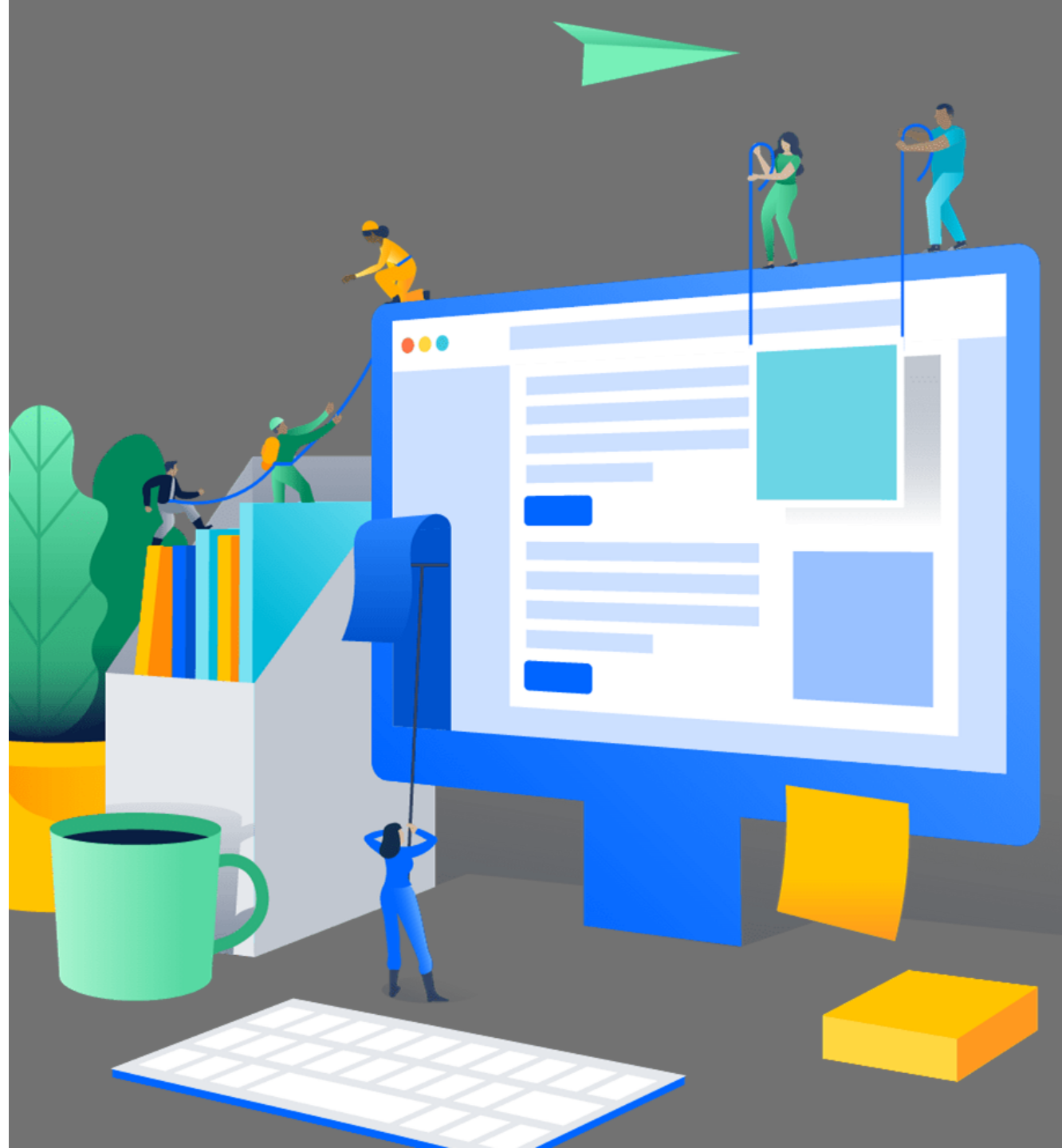


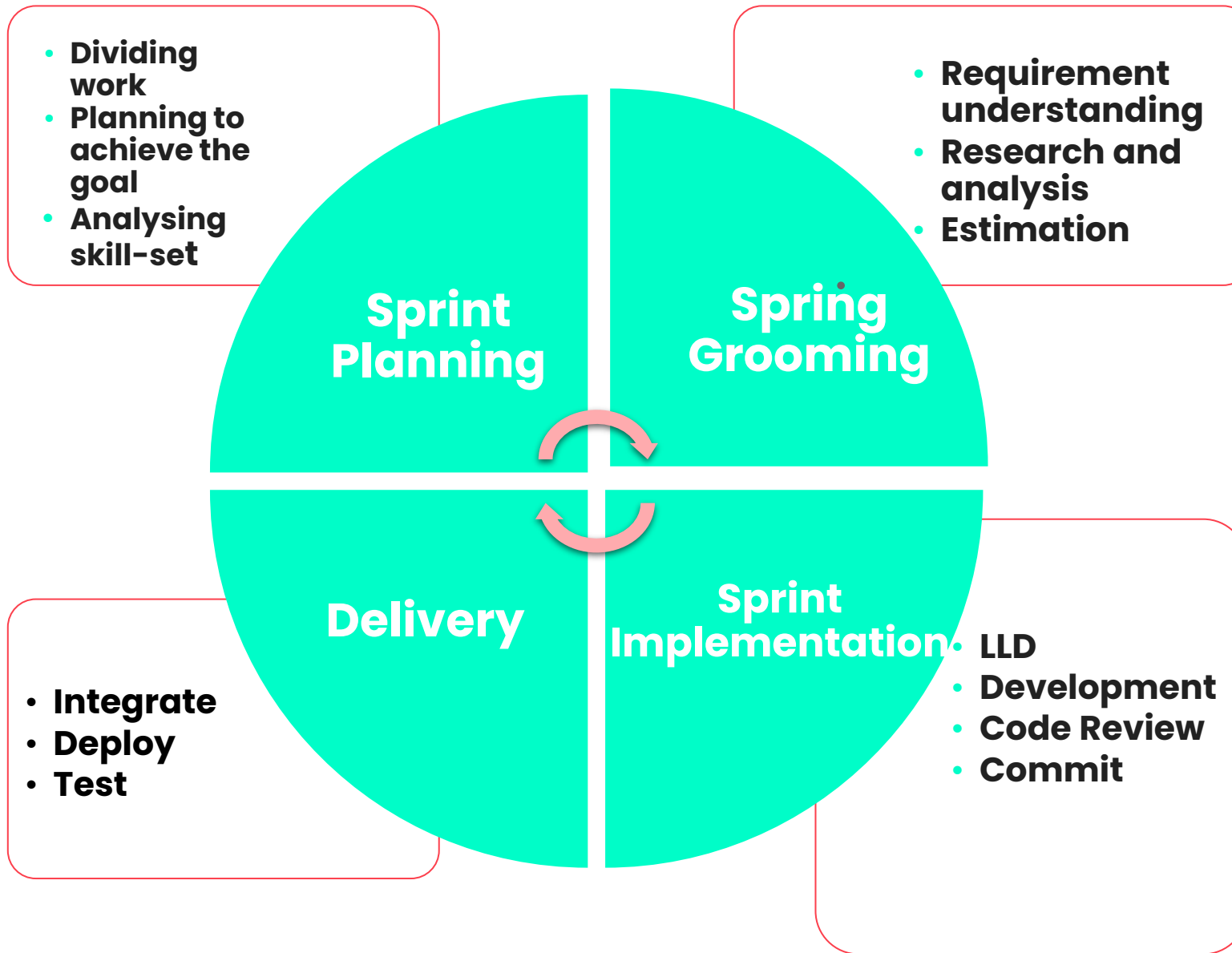
POSTMAN

Documentation

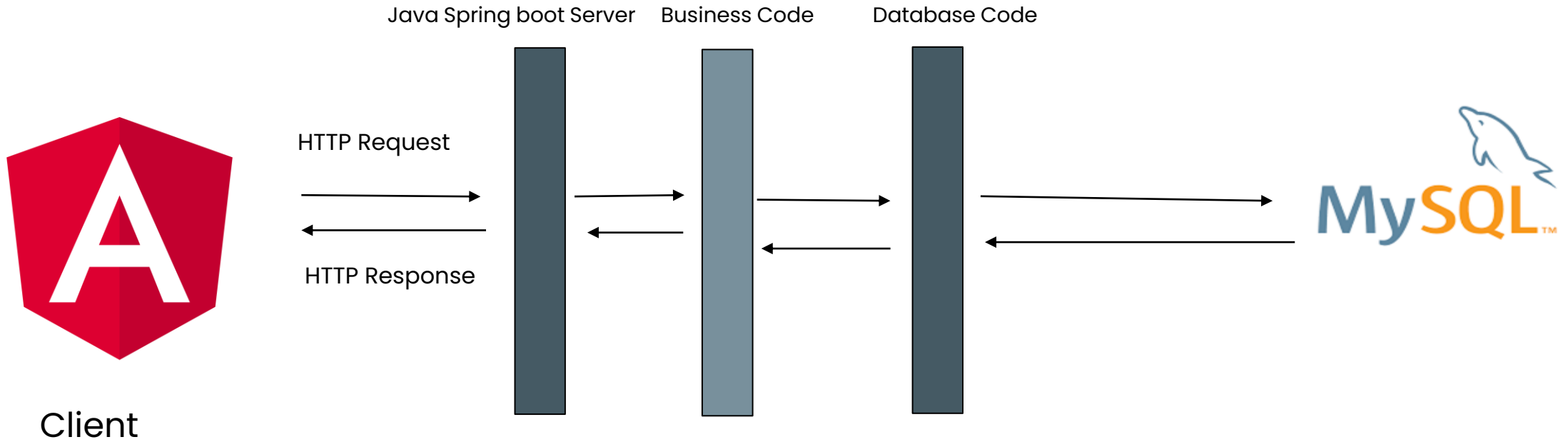


DEVELOPMENT





ARCHITECTURE DIAGRAM



CHALLENGES & LEARNINGS

Getting Comfortable with java ecosystems was difficult was very difficult.

Working in a team using git version control is game changer.

Also learning a framework Angular in just 2 days was very challenging



DEMO



QUESTIONS





Thank you