# **GITHUB Fundamentals**

* A small introduction on the history, features and uses of GitHub was given.
* An account was created in GitHub.
* Tasks such as forking a repository, cloning a repository, committing changes using ‘git commit’ command and pushing the changes using ‘git push’ command was done.
* Basics of Git branch were taught and creating a git branch task given.
* Cloning and Forking difference
* Creation of Pull requests.
* Task completion link :

[https://github.com/KN-Abhishek/knabhishek.git](#_GITHUB_Fundamentals)

# **Agile Methodologies**

* What is Agile method?
* Core values of Agile methodologies
* Principles of Agile methodologies
* How it helps throughout the completion of a project
* Traditional waterfall method
* Agile methods- Kanban and Scrum
* Comparison of Kanban and Scrum

# **Database**

* Basics of Postgre SQL
* Basics of ER diagram
* Basic SQL commands
* Tasks such as creation of ER diagram for a school management system and Create a database for the same is done
* Query selection, insertion, deletion and update commands used

<https://github.com/KN-Abhishek/ER-database-task1.git>

# **HTML, CSS, JavaScript**

* Introduction to frontend
* Essentials skills required for frontend development
* Basic HTML commands and CSS linking were done
* How to make webpages interactive by using javascript
* A personal portfolio webpage is built as a task

-[https://github.com/KN-Abhishek/kn-abhishek.github.io.git](#_GITHUB_Fundamentals)

# **ReactJS**

* What is ReactJS
* Why we use ReactJS
* Structure of ReactJS
* Basic concepts in ReactJS

# **Product Life Cycle**

* Stages of product life cycle – Development, Growth, Maturity, Decline
* Why we use product life cycle management
* How to determine what stage our product is in
* How to use the product life cycle
* Product roadmap process, Product creation process
* Factors that affect product lifecycle – Ease of entry, Advancement in tech, Rate of market acceptances, Economic forces

# **Business Analysis**

* Used to identify and articulate the need for the change in how organizations work, and to facilitate the change
* Identifying customer needs and fulfilling the required
* Scope of development and improvement
* Defining requirements
* Evaluating the progress of the business plan