Technical courses that we learnt are GIT SQL AND OOPS.these basics courses are same to all domains.

In GIT sessions we learnt all basic to advance concept of git with practicle demos.this includes what is git and why it is require

Git is version control system which is a distributed system.that means This means that the code is not just stored in a central server, but the full copy of the code is present in all the developers’ computers.

Git is used to track the development of project. Real life projects in any company generally have multiple developers working in parallel. So a version control system like Git is needed to ensure there are no code conflicts between the developers.Sometimes the developer develops a new version of a project if that version of project ha a bug and the project crashes then if then don’t saved the previous version then the developers are not able to revert the changes and go back to the previous version.So here version control system play important role it allows developers to revert and go back to an older version of the code.

There are different version control system available that are git ,svn

We learnt about git .How to intialise git local repository for a project .add and commit changes and Then how to create remote repository on github and then how to resolve conflict while merging branches in a master brach.

SQL

In these sessions we learnt basics which includes creating table,altering the structure of table and other ddl,dml,dcl,tcl grant and revoke commands. And other advanced topics includes creating index on table to increase speed of retrival ,creating view on a table view is virtual table used to view a table with different dimensions and to optimise performance.then we learnt how to create function in database.

OOPS:

We learn what is object oriented programming dividing the application into object and classes

We learnt only about modelling concept.Why it is require .It reduces focus on implementation language,expensive design at flaws at early stage,all designing aspects without programming ,only abstacts concept

In these sessions we learnt basic oo foundational princliple which includes

Abstraction

Abstraction is data/information hiding ,ignore inessential details

-inheritance - Use of inheritance to reuse code and increase efficiency

Polymorphism- Same operation different implementation

* This includes method overloading ,method overloading ect

encapsulation - Encapsulation

mechanism of wrapping the data (variables) and code acting on the data (methods) together as a single unit

We learnt about UMLet tool which is used to draw UML diagrams like class diagram ,state diagrams,interaction model ect.Also we trained on best practices to follow while creating UML diagram which includes

Class name start with UpperCaseFollowedByCamelCase ​

e.g. BankEmployee​

Attribute/ method name lowercaseFollowedByCamelCase​

e.g. localAddress, addNotification()​