**Day-01**

**20-02-2025**

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**Python Fullstack**

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Duration: 5 months

The whole course divided into three modules:

Module-1

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 core python

 Database

Module-2:

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 Advanced Python

 UI

Module-3:

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 Frameworks

 Django, FastAPI

 Mini project

 UI Frameworks

 React JS

 Mini Project

 Major Project

 Devops and cloud tools

**Fullstack:**

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-> It is a process

 of web application development.

**Web application:**

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-> Software is collection of programs for achieving the multi-tasking.

-> Same like the software, the application is also the collection of programs.

-> Application can always run on the platforms.

Ex: WhatsApp ==> android/ios (platforms for mobile)

Notepad ==> windows (platform)

-> The software not required any platform to run.

-> The applications can run/use over the internet called as "Web applications"

Ex: IRCTC, Youtube, Amazon etc.

**High-level architecture of Web application:**

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-> This consisting of:

1) Front-end layer is called as "UI (User Interface)"

 Technologies:

 HTML, CSS, JavaScript, Bootstrap, React

2) Backend layer is called as "Application logic layer" or "Business logic layer".

 Technologies:

 C/C++/Java/Python/PHP/C# etc.,

3) Layer-3 is called as "Database layer"

 Technologies:

 Database: Oracle/MySQL/SQL Server/Postgre SQL etc...

 Database Programming Language: SQL