**Module – 1**

**What is SDLC ?**

SDLC is Software development life cycle in which is the clint needs, scope, bugs, updates etc , and some of its phases are clearly mentioned below:

**PHASES OF SDLC**

1. **Requirement Gathering & Analysis** – Understanding what the client or market needs
2. **Planning –** future scope – after basic updates in future , deadlines of the project , costing , Team/ resources according costing, IT possibility or not, technology, database and much more
3. **Design –** Create architecture of project

– system architecture -Blue print

**The architecture design the project start to end**

* User – App
* Log in / Log out
* Admin
* In cart
* Available or not

1. **Development –** actual code based on design
2. **Testing -** Bug free
3. **Deployment –** launch the software in market
4. **Maintenance –** maintenance free after one year and bug fixing after deployment

**What is software testing ?**

Software testing is an identifying all the bugs and issues, fixing them properly, delivering better , bug free product and easy to use for the end users.

1. Unit testing
2. Intergration testing
3. System testing
4. UAT (user acceptance testing)

**What is Agile methodology?**

All SDLC phases (req. gathering and analysis, Planning ,design, development, testing, deployment, maintenance ) used on daily bases and cordinated clints with scrum meetings.

**Module - 2**

**What is SQL?**

**SQL is structure queiry language**

* **SQL used to create row and table formet**

**Write SQL commands?**

1. **Create table**
2. **Insert data**
3. **Select data**
4. **Update data**
5. **Delete data**

**Write a query to create the table in Structured Query Language.**

CREATE TABLE employees(empid int primary key, name VARCHAR(100),country varchar (50)

);

**What is RDBMS?**

**Relational database management system**

* **It is database system that store data in table and row**
* **Mysql, oracle,postgrey, sqlite**

**Write a query to insert data into table**

INSERT INTO emp\_ details (empname,empdesignation,empaddress)VALUE(“Drumil”,”ahmd”);

SELECT\*FROM product where pid+=6;

UPDATE productSET pname=”tv” , price=”5000” where pid3;

CREATE VIEW emp\_india AS SELECT empname,empdesignation,empcountry FORM emp\_detail WHERE empcountry+”india

Delete From Where=data