

Life Cycle of Database: SQL Server

1. Design
2. Implementation
3. Maintenance

Module1: Design

4. Basics (DBMS,RDBMS)
5. SQL Server Environment(SSMS)
6. Creating a Database
7. Constructing tables
8. Data Types
9. Data Integrity[Where all the constraints will be covered]
10. Relationships(One - One, One – Many, Many - Many)
11. Normalization & Normal Forms
12. DDL-Data Definition Language
13. DML-Data Manipulation Language
14. DCL-Data Control Language

Module2: Implementation

15. SQL Programming Concepts (Operators, Built-in Functions, Clauses)
16. Joins and Sub Queries
17. Views
18. Indexes
19. Stored Procedures
20. User Defined Functions
21. Transactions and Locks
22. Cursors

23. Triggers

24. XML Integration

Module3: Administration or Maintenance

25. Security

26. Database Maintenance(DBCC Commands, Backup & Restore)

27. Replication

28. SQL Server Agent

29. Performance Monitoring & Tuning

30. Introduction To SSIS-SQL Server Integration Services

31. Introduction To SSRS-SQL Server Reporting Services

32. Introduction To SSAS-SQL Server Analysis Services