JAVA FULL STACK DEVELOPMENT SYLLABUS

1. FRONT END
2. MIDDLEWARE
3. BACKEND
4. TESTING
5. DEVEOPS

1.FRONT END

HTML, CSS, JAVASCRIPT, JQUERY, BOOTSTRAP, ANGULAR, REACT

2.MIDDLEWARE (WEB BASED APPLICATION DEVELOPMENT)

JAVA – JDBC, SERVLETS, JSP, HIBERNATE, SPRING, SPRING BOOT WITH MICROSERVICES

.NET – C#, ASP.NET, ADO.NET

PHP IS A WEB BASED APPLICATION

PYTHON – FLASK, DJANGO

NODE.JS/EXPRESS.JS

3.BACKEND

SQL DBS – ORACLE, MYSQL, MSSQLSERVER, HSQLDB (HYPERSONIC), POSTGRESQL, SQLITE

NOSQL DBS – MONGODB

4.TESTING

UNIT TESTING/ JUNIT – FUNCTIONS/METHODS TESTING

SELENIUM – WEB PAGE TESTING

5.DEVEOPS

GIT - SOURCECODE MANAGEMENT (SCM), CENTRAL SOURCECODE REPOSITORY, VERSION CONTROL SYSTEM

MAVEN - BUILD TOOL, COMPILING AND COMPRESSING, compiling source code in to binary code /byte code, and then

compress all the byte/binary code into one compressed extension file called .zip/.jar/.war

Jenkins - CI/CD (CONTINUOUS INTEGRATION/CONTINUOUS DEPLOYMENT)

DOCKER – CONTAINERS (SERVER RUNTIMES)

KUBENETES

Ccleaner