Welcome to Database Course

Why did you choose this course?

- Fundamentals of Database and Database Management System (DBMS)
- Achieve a Certificate (Upon successful completion)
- Develop a Digital Skill
- Project Based Learning
- Problem Solving Skills
- Data Science with SQL

Course Details

- Course Title: Database (**MySQL**/ Oracle/ SQL Server)
- Durations:
  - 80 hours (25+ Lectures)
  - 10 hours Mentorship session (Industrial Resources)

- Assessment
  - Class attendance: 10%
  - Quiz and assignment: 10%
  - Assignment: 10%
  - Mid-term assessment: 20%
  - Final Evaluation: 25%
  - Project: 25%

- Class Routine
  - Saturday (3.00pm-6.00pm): IOT Lab

Course Completion Criteria

- Attendance: > 80%
- Assessment Marks: >=60%
- Digital Profiling
  - LinkedIn Profile Link
  - GitHub Project Link
  - Freelancing Profile Link (Upwork/ Fiverr/ Freelancer)

Assessment and digital profile information

Attendance (out of 10) *

Midterm assessment marks (out of 20) *

Quiz assessment marks (out of 20) *

Project assessment marks (out of 25) *

Final assessment marks (out of 25) *

LinkedIn Profile *

Link of Projects Repository *

Link of Freelancing Profile *

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Course Contents

- Database Management with MySQL (Manual)
- DBMS with SQL
- Data Science with SQL
- Oracel & SQL Server

- Git and Github
- Project Submitting in Github
- Digital Profiling (LinkedIn, Github, Freelancing [*Upwork, Fiverr, Frelancer*])

Prerequisite to Develop

Basic Computer Operations

Office Excel

Computer Fundamentals

- File and Folder Management
- File Extensions
- Typing
- Editors
- Browsers
- Keyboard shortcuts

Why DBMS

•Development (Frontend, Backend,

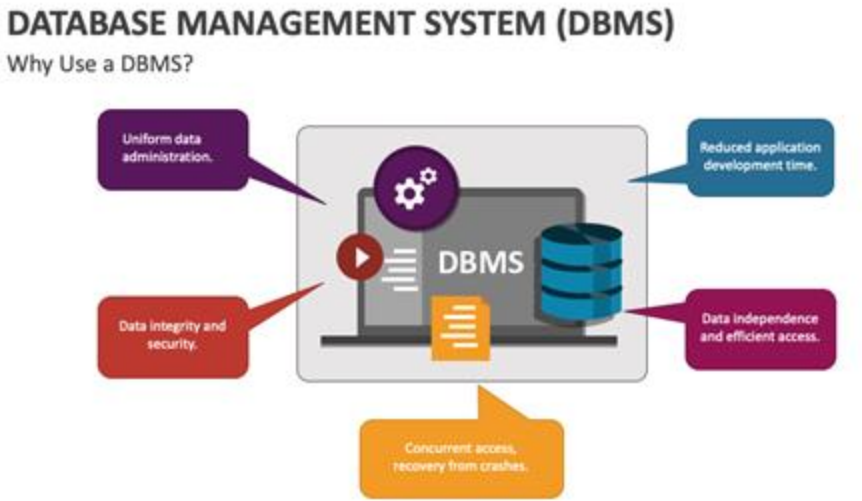
Database)

•Database Administrator

•Data Scientist

•Data Science (Research)

• Freelancing (Data Entry Operator, DB Administrator)



Skills to Achieve

- Understanding of DBMS
- Designing Database
- Implementing Database
- Database Operations
- MySQL
- SQL (Structured Query Language)
- ***Data Science with SQL***

Preparing Environment for MySQL

- Install XAMPP (https://www.apachefriends.org/download.html)
- Notepad++

References

- https://www.w3schools.com/sql/default.asp