**MIT 3104 ADVANCED DATABASE SYSTEMS AND MANAGEMENT**

**ASSIGNMENTS**

1. Do a comparative review of the various approaches for securing DBMS applications that are deployed on the web. [20 Marks]

2. Discuss the theoretical and technological challenges and opportunities presented by NoSQL database systems. [20 Marks]

3. Discuss the Functionality and Issues associated with mobile DBMS. [20 Marks]

**introduction**

A database-management system (DBMS) is a collection of interrelated data and a set of programs to access those data. The collection of data, usually referred to as the database, contains information relevant to an enterprise. The primary goal of a DBMS is to provide a way to store and retrieve database information that is both convenient and efficient.

In choosing a DBMS from the variety of concepts and vendors, one of the consideration before making a decision is the security which ranges from data security, data protection, multi access and integration.

**Dbms vulnerabilities**

Databases often contain extremely sensitive information that must be protected from security vulnerabilities and exploits.