**StudBud Placement Preparation Drive**

**Database Management System**

**Theory:**

Geeks for Geeks: <https://www.geeksforgeeks.org/dbms/>

There are many topics given in Geeks for Geeks, just go through the topics mentioned below, if time permits go through the remaining topics.

**Videos:**

Sanchit Jain: <https://youtube.com/playlist?list=PLmXKhU9FNesR1rSES7oLdJaNFgmuj0SYV>

Gate Smashers: <https://youtube.com/playlist?list=PLxCzCOWd7aiFAN6I8CuViBuCdJgiOkT2Y>

We have mentioned the video numbers for each topic mentioned below. Quickly go through the videos at 1.5x-2x.

**P.S.:** Do take notes while going through the theory and notes, you’ll won’t be having much time to watch the videos again before every placement activity.

**Topics**

1. Introduction: Gate Smashers (Lecture 2)

2. DBMS vs File System: Gate Smashers (Lecture 3)

3. 3 Tier Architecture: Gate Smashers (Lecture 4)

4. ER Diagram: Sanchit Jain (Lecture 2.1, 2.2, 2.3, 2.4, 2.5, 2.6)

5. Finding Closure: Sanchit Jain (Lecture 3.5)

6. Types of Keys: Sanchit Jain (Lecture 3.10, 3.11, 3.12, 3.12)

7. Normalization: Sanchit Jain (Lecture 4.1 – 4.17)

8. Transaction: Gate Smashers (Lecture 69, 70, 71)

9. Serializability: Sanchit Jain (Lecture 6.11, 6.12, 6.13, 6.15, 6.16)

10. Concurrency Control Techniques: Sanchit Jain (Lecture 6.20, 6.21, 6.22, 6.25, 6.26)

11. Indexing: Sanchit Jain (Lecture 5.3- 5.10)