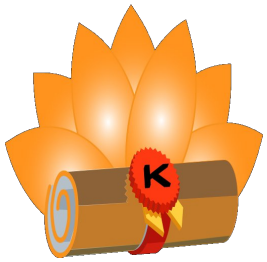
www.kamaldnp.com



KAMALDNP

kamaldnp.com

PDF created by Raj Kamal using AI

DBMS Video Lectures — Topic-wise YouTube Links

Database Management System • BTEUP CSE 3rd Semester • Free companion to the KAMALDNP DBMS Notes & Question Bank

How this list was made: for every topic of the DBMS syllabus, we searched YouTube, then read the COMPLETE transcript (the full spoken content) of each candidate video and kept only the video that actually teaches that topic. Every blue link below is clickable — tap it and the video opens. Watch the video, then read the same topic in your notes — that is the fastest way to prepare.

KAMALDNP

Unit 1 — Introduction

1. Database system concepts and architecture

▶ Lec-3: File System vs DBMS | Disadvantages of File System | DBMS Advantages

Gate Smashers • 13:00 min • Hindi

https://www.youtube.com/watch?v=ZtVw2iuFI2w

▶ Lec-4: 2 tier and 3 tier Architecture with real life examples | Database Management System

Gate Smashers • 12:57 min • Hindi

https://www.youtube.com/watch?v=VyvTabQHevw

2. Components of DBMS

▶ Components and Types of Database | DBMS Basics Explained | DBMS Tutorial for Beginners

Unicode • 10:02 min • Hindi

https://www.youtube.com/watch?v=QrE8hmkxLxw

www.kamaldnp.com

3. Table structure

▶ What is a Relational Database?

IBM Technology • 7:54 min • English

https://www.youtube.com/watch?v=OqjJjpjDRLc

4. Schema definition

▶ Instances and Schemas in DBMS

Neso Academy • 9:33 min • English

https://www.youtube.com/watch?v=cOzq67n2yN4

▶ Lec-5: What is Schema | How to define Schema | Database management system in Hindi

Gate Smashers • 4:34 min • Hindi

https://www.youtube.com/watch?v=pDX4NR4eY3A

5. Three views of data (external, conceptual, internal)

▶ Lec-6: Three Schema Architecture | Three Level of Abstraction | Database Management System

Gate Smashers • 15:25 min • Hindi

https://www.youtube.com/watch?v=[illegible]1dO6B5c

Unit 2 — Data Model and Keys

6. Data model — definition

▶ Introduction to Data Models

Neso Academy • 16:24 min • English

https://www.youtube.com/watch?v=OwQoj3GJfNY

7. Network model

▶ Network Data Model in DBMS in Hindi | Advantages & Disadvantages - Lecture #4

The Crazy Programmer • 9:40 min • Hindi

https://www.youtube.com/watch?v=qehOeSjbxwg

▶ 1.18- Network Database Model In DBMS In Hindi | What Is Network Database Model in dbms

TutorialsSpace- Er. Deepak Garg • 2:40 min • Hindi

https://www.youtube.com/watch?v=kUejo_wFSqI

8. Hierarchical model

▶ Hierarchical Data Model in DBMS in Hindi | Advantages & Disadvantages - Lecture #3

The Crazy Programmer • 8:45 min • Hindi

https://www.youtube.com/watch?v=0-05iqYqYA4

www.kamaldnp.com

▶ 1.17- Hierarchical Data Model In DBMS In Hindi | Types Of Data Models In DBMS In Hindi

TutorialsSpace- Er. Deepak Garg • 4:54 min • Hindi

https://www.youtube.com/watch?v=FXd9jQp2yXg

9. E-R model

▶ Lec-16: Introduction to ER model | ER Model क्या है

Gate Smashers • 8:32 min • Hindi

https://www.youtube.com/watch?v=gbVev8RuZLg

10. Advantages and disadvantages of each data model

▶ Hierarchical Data Model in DBMS in Hindi | Advantages & Disadvantages - Lecture #3

The Crazy Programmer • 8:45 min • Hindi

https://www.youtube.com/watch?v=0-05iqYqYA4

▶ Network Data Model in DBMS in Hindi | Advantages & Disadvantages - Lecture #4

The Crazy Programmer • 9:40 min • Hindi

https://www.youtube.com/watch?v=[illegible]ehOeSjbxwg

▶ What is Hierarchical Database (Advantages and Disadvantages)

DatabaseTown • 2:44 min • English

https://www.youtube.com/watch?v=YX4dZ[illegible]sTV[illegible]

11. Concept of keys (primary, candidate, super, foreign)

▶ Lec-15: Super key in DBMS in HINDI | ये Question Competition Exams में अक्सर पूछा गया है

Gate Smashers • 9:42 min • Hindi

https://www.youtube.com/watch?v=QQqGfScdlzA

▶ Lec-9: What is CANDIDATE KEY and PRIMARY key | Full Concept | Most suitable examples | DBMS

Gate Smashers • 5:12 min • Hindi

https://www.youtube.com/watch?v=mMxjKFiIKxs

▶ Lec-11: Foreign Key in DBMS | Full Concept with examples | DBMS in Hindi

Gate Smashers • 8:43 min • Hindi

https://www.youtube.com/watch?v=UyqpQ3D2yCw

12. Constraints

▶ L3.3 Integrity Constraints | Domain, Entity Integrity, Referential Integrity & Key Constraints |DBMS

Shanu Kuttan CSE Classes • 15:58 min • Hindi

https://www.youtube.com/watch?v=rXaxmKFvfmY

www.kamaldnp.com

▶ **Lec-8: Integrity Constraints in Database with Examples**

Gate Smashers • 7:14 min • Hindi

https://www.youtube.com/watch?v=YTJdBA9wZro

▶ **Lec-66: Constraints in SQL in Hindi | DBMS**

Gate Smashers • 12:01 min • Hindi

https://www.youtube.com/watch?v=PcMr6xoundk

13. Strong entity set and weak entity set

▶ **Introduction to Weak Entity Set with Example | Database Management System**

Gate Smashers • 11:47 min • Hindi

https://www.youtube.com/watch?v=QP1w30bgcH0

▶ **Strong and Weak Entity Sets in DBMS [Hindi] | Classification of Entity Sets | Computer Science**

Computer Science Plus • 14:28 min • Hindi

https://www.youtube.com/watch?v=FEJXyU5QrEM

Unit 3 — Relational Model

14. The relational data model and relational database constraints

▶ **U2 P1 Relational Data Model | DBMS Unit 2 | One Shot Lecture BCS501**

Unique Series - Civil Mantraa • 34:40 min • English

https://www.youtube.com/watch?v=ZngkeLd7xJw

▶ **What is a Relational Database?**

IBM Technology • 7:54 min • English

https://www.youtube.com/watch?v=OqjJjpjDRLc

15. ER/EER to relational model mapping

▶ **L2.7 Converting ER Diagrams to Tables | 6 Rules | Examples | ER Model | DBMS | Shanu Kuttan**

Shanu Kuttan CSE Classes • 26:48 min • Hindi

https://www.youtube.com/watch?v=GiLpCYekYmw

16. Relational algebra and relational calculus

▶ **Lec-50: Introduction to Relational Algebra | Database Management System**

Gate Smashers • 4:24 min • Hindi

https://www.youtube.com/watch?v=4YilEjkNPrQ

▶ **Lec-58: Tuple Calculus in DBMS with examples**

Gate Smashers • 16:09 min • Hindi

https://www.youtube.com/watch?v=SnsrohgiPo0

КАМАЛДНП

www.kamaldnp.com

17. Basic operations (union, intersection, difference, Cartesian product)

▶ Relational Algebra Operations - Set Theory

Neso Academy • 11:49 min • English

https://www.youtube.com/watch?v=r6OsT9Zi4Cg

▶ Lec-55: Union Operation in Relational Algebra | Database Management System

Gate Smashers • 7:20 min • Hindi

https://www.youtube.com/watch?v=b0zitqncxP8

▶ Lec-53: Cross/Cartesian Product in Relational Algebra | Database Management System

Gate Smashers • 6:18 min • Hindi

https://www.youtube.com/watch?v=F6MBz_h3Uj8

18. Additional operations (projection, selection, division, rename, join)

▶ Lec-50: Introduction to Relational Algebra | Database Management System

Gate Smashers • 4:24 min • Hindi

https://www.youtube.com/watch?v=4YilEjkNPrQ

Unit 4 — Relational Database Design

19. Functional dependencies and normalisation

▶ Learn Database Normalization 1NF, 2NF, 3NF, 4NF, 5NF

Decomplexify • 28:34 min • English

https://www.youtube.com/watch?v=GFQaEYEc8_8

▶ Lec-27: Functional Dependency & its properties in DBMS in HINDI

Gate Smashers • 17:09 min • Hindi

https://www.youtube.com/watch?v=qn5neFBpU40

20. Types of normalisation — 1NF, 2NF, 3NF

▶ Lec-33: All Normal Forms with Real life examples | 1NF 2NF 3NF BCNF 4NF 5NF | All in One

Gate Smashers • 11:15 min • Hindi

https://www.youtube.com/watch?v=EGEwkad_IlA

21. Multivalued dependencies and BCNF

▶ 07-04-multivalued-dependencies.mp4

Stanford Dbclass • 23:42 min • English

https://www.youtube.com/watch?v=698GsCsmXIk

▶ Lec-30: Boyce Codd Normal Form #BCNF #DBMS #Normalization with best examples

Gate Smashers • 6:48 min • Hindi

https://www.youtube.com/watch?v=mf_PbWPo7VM

KAMALDNP

www.kamaldnp.com

22. Fourth normal form (4NF)

▶ Learn Database Normalization - 1NF, 2NF, 3NF, 4NF, 5NF

Decomplexify • 28:34 min • English

https://www.youtube.com/watch?v=GFQaEYEc8_8

23. Fifth normal form (5NF)

▶ 5th Normal Form (5NF) | Join Dependency | Database Normalization

Studytonight with Abhishek • 8:09 min • Hindi

https://www.youtube.com/watch?v=mbj3HSK28Kk

▶ Learn Database Normalization - 1NF, 2NF, 3NF, 4NF, 5NF

Decomplexify • 28:34 min • English

https://www.youtube.com/watch?v=GFQaEYEc8_8

Unit 5 — SQL / MySQL

24. MySQL data types

▶ DATATYPES IN SQL | SQL DATATYPES || INTEGER || NUMBER || VARCHAR || DATETIME || DBMS || SQL

Sundeep Saradhi Kanthety • 16:0[illegible] • English

https://www.youtube.com/watch?v=CG7[illegible]jM

25. Data definition commands (DDL)

▶ Lec-60: All Types of SQL Commands with Example | DDL, DML, DCL, TCL and CONSTRAINTS | DBMS

Gate Smashers • 10:32 min • Hindi

https://www.youtube.com/watch?v=vUj-kUEC_oA

▶ Data Definition Language (DDL)

Neso Academy • 6:00 min • English

https://www.youtube.com/watch?v=CSX0OlOYWps

26. Data manipulation commands (DML)

▶ DML Commands - INSERT and UPDATE

Neso Academy • 11:25 min • English

https://www.youtube.com/watch?v=w27gAgDQr_w

▶ DML Commands - DELETE and SELECT

Neso Academy • 10:55 min • English

https://www.youtube.com/watch?v=9lTuR0RfKz8

27. Data retrieval commands (SELECT)

▶ SQL - SELECT DISTINCT Statement - W3Schools.com

w3schools.com • 1:45 min • English

https://www.youtube.com/watch?v=yuYKEx6VDPE

KAMALDNP

www.kamaldnp.com

▶ SQL: SELECT DISTINCT | with Example | DBMS Lecture-46 | Shanu Kuttan | Hindi

Shanu Kuttan CSE Classes • 7:21 min • Hindi

https://www.youtube.com/watch?v=sLJDBZqw6F8

28. Types of operators — arithmetic, comparison and logical

▶ SQL: Arithmetic, Relational, Concatenation and Logical Operators | Oracle Database

Learn Coding • 11:21 min • Hindi

https://www.youtube.com/watch?v=vswFkZZzz9Q

KAMALDNP • kamaldnp.com • support@kamaldnp.com
All videos belong to their respective YouTube channels; links are shared for study purposes only. Prepared by KAMALDNP from the official BTEUP 2026-27 syllabus.

