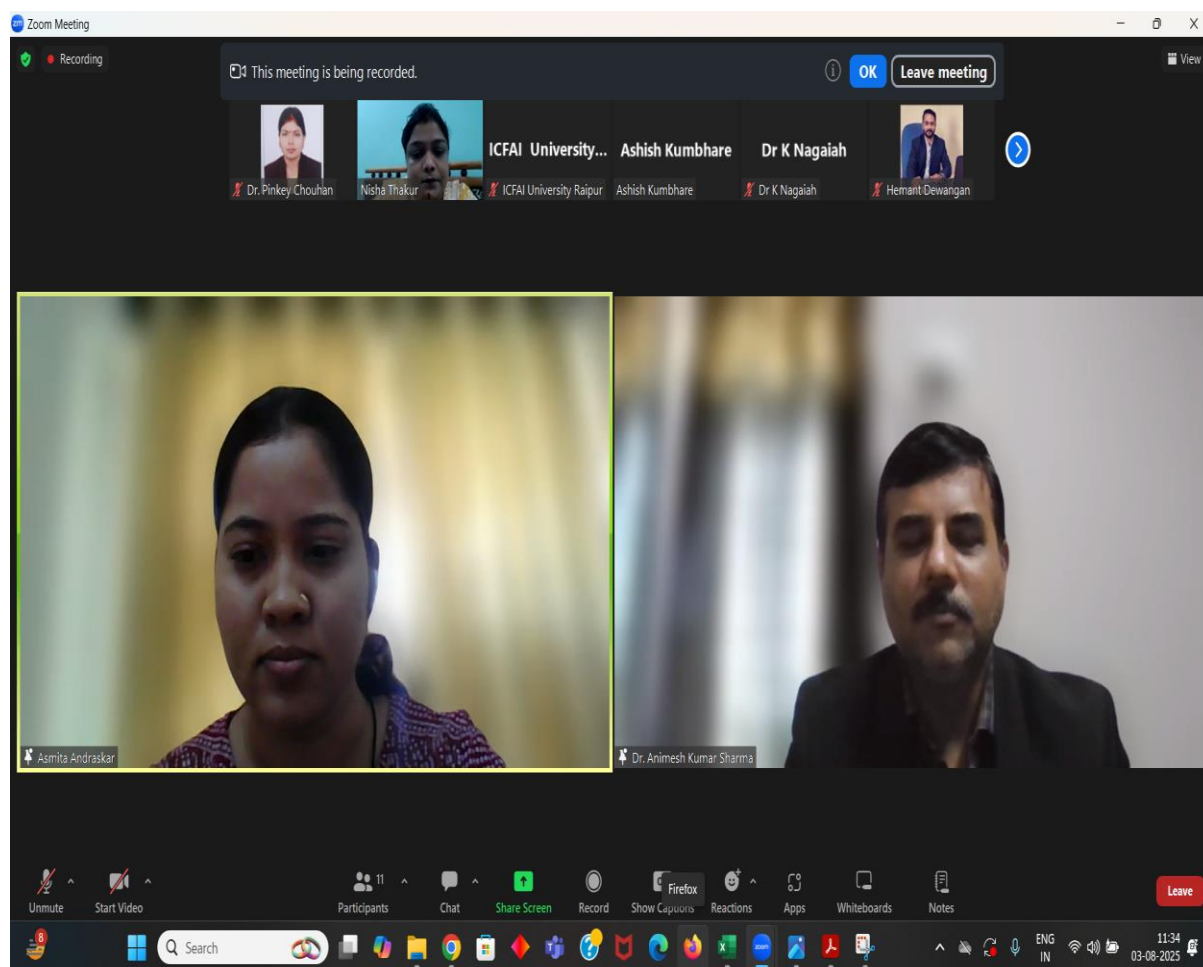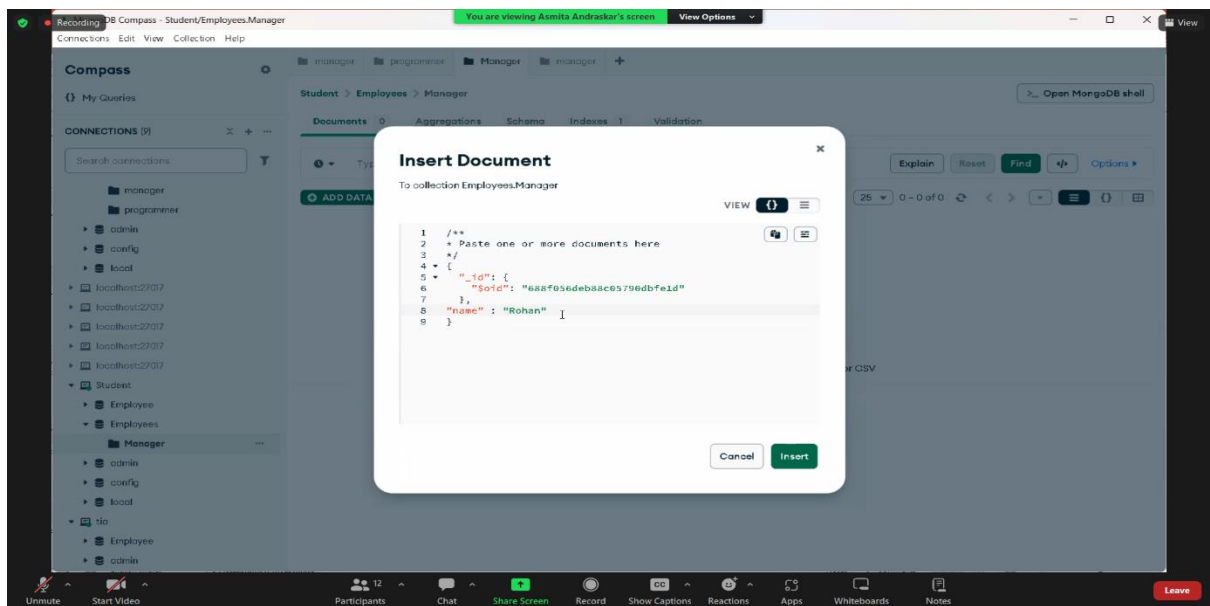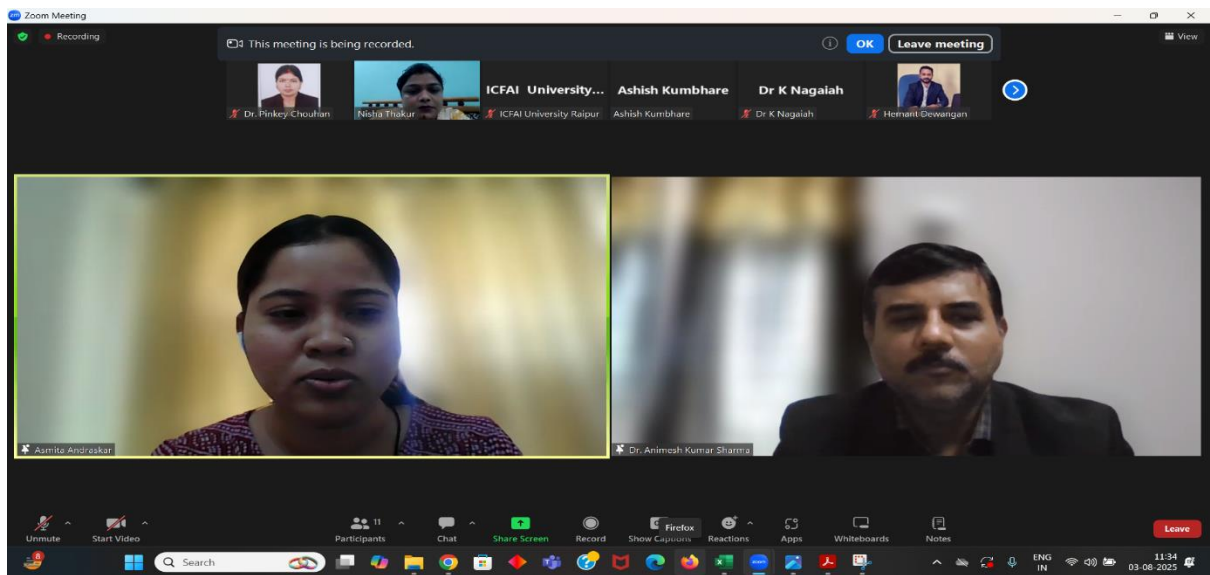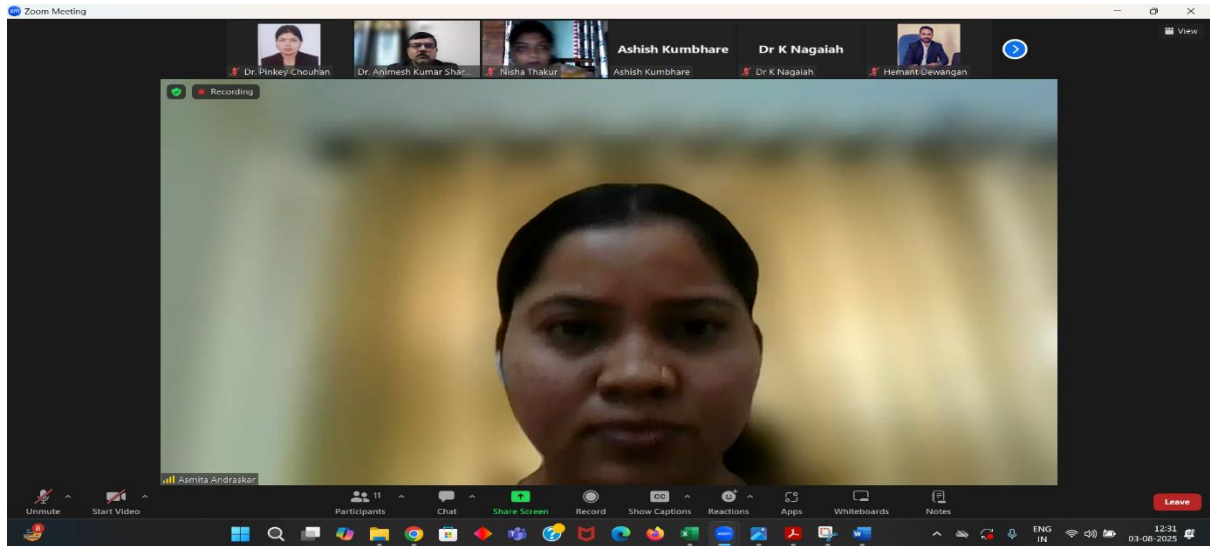# Report on- FDP Session on Data-Driven Applications with MongoDB – Day 4 Recap!!
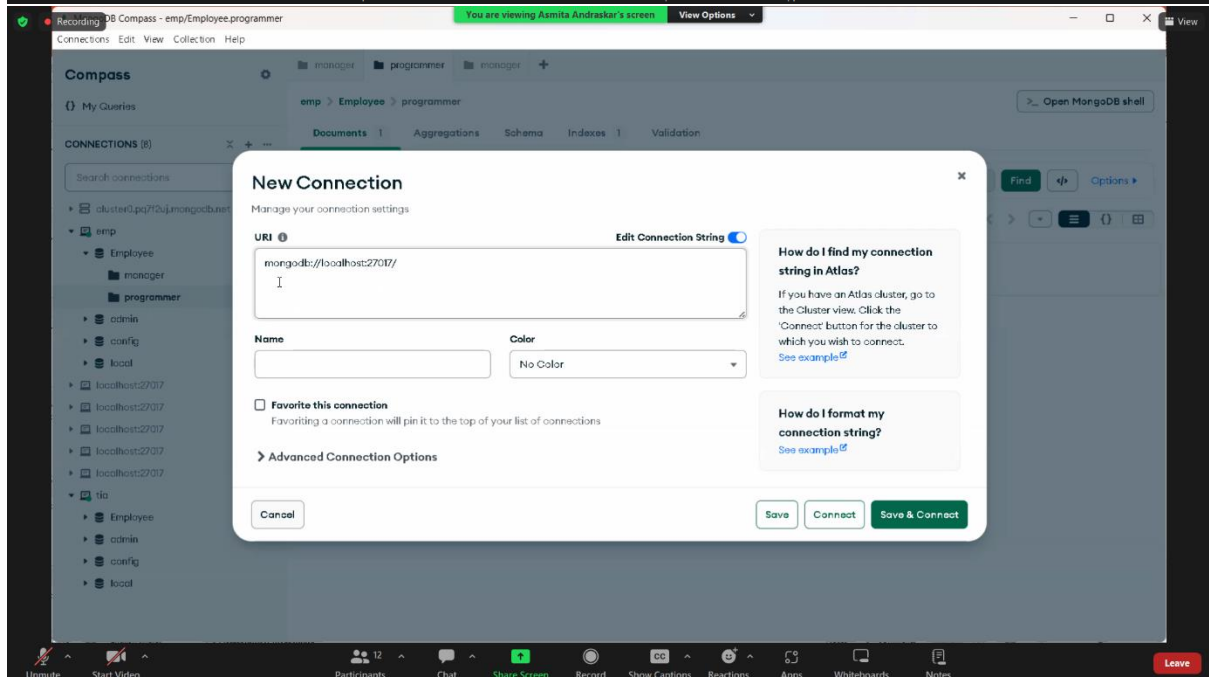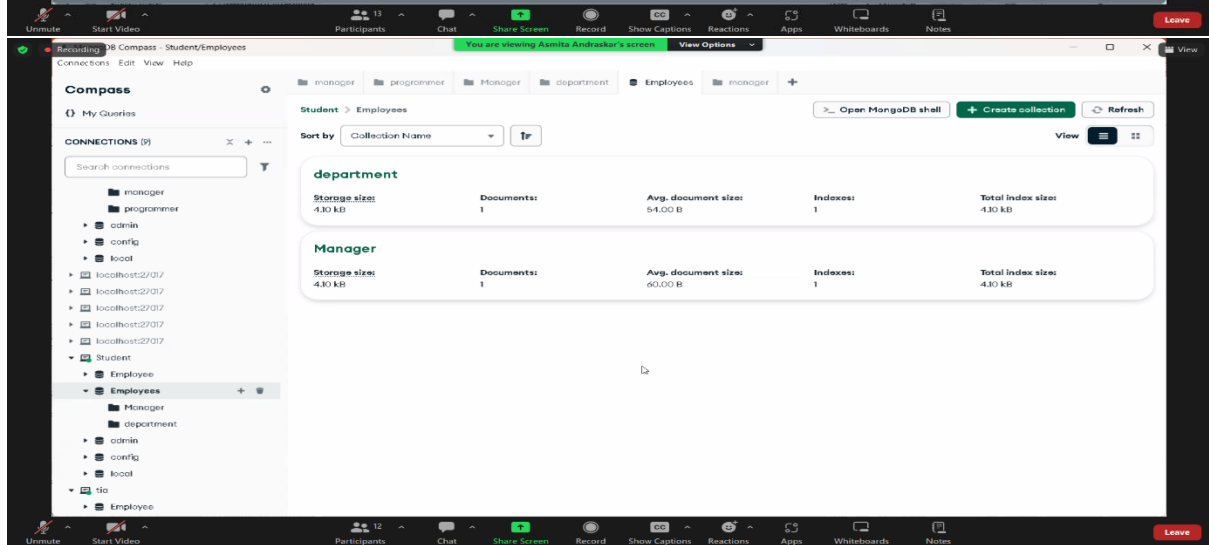
The **fourth session** of the **Faculty Development Program (FDP)** on *"Empowering Data-Driven Applications with MongoDB"* was successfully conducted on **August 3, 2025**, by **Ms. Asmita Andraskar**. The session focused on essential topics including an overview of **MongoDB**, its **advantages**, the **environment setup**, **data modelling techniques**, and practical demonstrations on how to **create**, **drop**, and **manage databases and collections** in MongoDB. The session was informative and interactive, providing participants with hands-on knowledge of working with MongoDB, a leading NoSQL database widely used in modern applications.

This session was organized by the **Faculty of Science & Technology (FST)**, **The ICFAI University, Raipur**, under the esteemed guidance of **Prof. (Dr.) S. D. Pandey**, Hon'ble **Vice Chancellor**; **Dr. Manish Upadhyay**, **Registrar**; **Dr. K. Kishore Kumar**, **Dean**, Faculty of Science & Technology; and **Dr. Animesh Kumar Sharma**, **Head of Department** (FST).

The session was smoothly hosted by **Dr. Nisha Thakur**, who welcomed the speaker and participants, ensuring effective coordination throughout. A formal **vote of thanks** was delivered by **Dr. Ashish Kumbhare**, appreciating the resource person and attendees for their active participation and enthusiasm.

Connections Edit View Collection Help

Compass ⚙

{} My Queries

CONNECTIONS (9)   ✕ + ···

Search connections ⏷

📁 manager
📁 programmer
▶ 🍃 admin
▶ 🍃 config
▶ 🍃 local
▶ 🖥 localhost:27017
▶ 🖥 localhost:27017
▶ 🖥 localhost:27017
▶ 🖥 localhost:27017
▼ 🖥 Student
  ▶ 🍃 Employee
  ▼ 🍃 Employees
    📁 Manager
    📁 department   ···
  ▶ 🍃 admin
  ▶ 🍃 config
  ▶ 🍃 local
▼ 🖥 tio
  ▶ 🍃 Employee

📁 manager   📁 programmer   📁 Manager   📁 department   📁 manager   +

Student > Employees > department   >_ Open MongoDB shell

Documents

Insert Document   ✕

To collection Employees.department

VIEW {} ☰

```
1   /**
2    * Paste one or more documents here
3    */
4 ▾ {
5 ▾   "_id": {
6       "$oid": "688f0658eb88c65790dbfe1f"
7     },
8     "n"
9   }
```

⚠ Insert not permitted while document contains errors.

Cancel   Insert

Explain Reset Find ⟨/⟩ Options ▸
25 ⌄ 0 - 0 of 0 ↻ ‹ › ☰ {} ▦

Connections Edit View Help

Compass ⚙

{} My Queries

CONNECTIONS (9)   ✕ + ···

Search connections ⏷

📁 manager
📁 programmer
▶ 🍃 admin
▶ 🍃 config
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▶ 🖥 localhost:27017
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▼ 🖥 Student
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  ▼ 🍃 Employees   + 🗑
    📁 Manager
    📁 department
  ▶ 🍃 admin
  ▶ 🍃 config
  ▶ 🍃 local
▼ 🖥 tio
  ▶ 🍃 Employee

📁 manager   📁 programmer   📁 Manager   📁 department   🍃 Employees   📁 manager   +

Student > Employees   >_ Open MongoDB shell   + Create collection   ↻ Refresh

Sort by Collection Name ⌄ ⇅   View ☰ ▦

department
Storage size:	Documents:	Avg. document size:	Indexes:	Total index size:
4.10 kB	1	54.00 B	1	4.10 kB

Manager
Storage size:	Documents:	Avg. document size:	Indexes:	Total index size:
4.10 kB	1	60.00 B	1	4.10 kB

Connections Edit View Collection Help

Compass ⚙

{} My Queries

CONNECTIONS (8)   ✕ + ···

Search connections

▶ 🖥 cluster0.pq7f2uj.mongodb.net
▼ 🖥 emp
  ▼ 🍃 Employee
    📁 manager
    📁 programmer
  ▶ 🍃 admin
  ▶ 🍃 config
  ▶ 🍃 local
▶ 🖥 localhost:27017
▶ 🖥 localhost:27017
▶ 🖥 localhost:27017
▶ 🖥 localhost:27017
▼ 🖥 tio
  ▶ 🍃 Employee
  ▶ 🍃 admin
  ▶ 🍃 config
  ▶ 🍃 local

📁 manager   📁 programmer   📁 manager   +

emp > Employee > programmer   >_ Open MongoDB shell

Documents 1   Aggregations   Schema   Indexes 1   Validation

New Connection   ✕

Manage your connection settings

URI ⓘ   Edit Connection String 🔵

```
mongodb://localhost:27017/
```

Name
[   ]

Color
No Color ⌄

☐ Favorite this connection
Favoriting a connection will pin it to the top of your list of connections

❯ Advanced Connection Options

How do I find my connection string in Atlas?

If you have an Atlas cluster, go to the Cluster view. Click the 'Connect' button for the cluster to which you wish to connect.

See example ⧉

How do I format my connection string?

See example ⧉

Cancel   Save   Connect   Save & Connect

Find ⟨/⟩ Options ▸
☰ {} ▦