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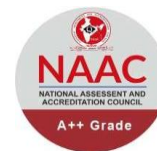
Green Fields, Guntur District, A.P., India – 522502

**Department of Electronics and Communication**

**Engineering**

(DST - FIST Sponsored Department)

**Active Learning Method**



Program: B. Tech

Academic Year / Yr-Sem : 2024 - 25 / II - II Sem

Course Title & Code: **DBMS & 23AD2102R**

Date: 05.04.2025

Time:

Venue:

CO#	4
Topics	Nosql
Type of ALM	One minute paper
Learning Approach	Participatory Learning

**Activity: NOSQL DATABASE**

**Task:**

1. Design a NoSQL database using **MongoDB** to store product information for an online store. The product information needs to include the following attributes: **Product Name, Product Description, Product Price, Stock Quantity.**

```
{
  "product_name": "Wireless Mouse",

  "product_description": "A smooth, ergonomic wireless mouse with adjustable
  DPI.",

  "product_price": 899.99,

  "stock_quantity": 150,
}
```

## 2. Describe the CRUD operations in nosql database.

### 1. Create – Add new data

js

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```
db.collection.insertOne({ key: "value" });
```

### 2. Read – Retrieve data

js

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```
db.collection.find({ key: "value" });
```

### 3. Update – Modify existing data

js

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```
db.collection.updateOne({ key: "value" }, { $set: { key: "newValue" } });
```

### 4. Delete – Remove data

js

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```
db.collection.deleteOne({ key: "value" });
```