

1) Problem Statement

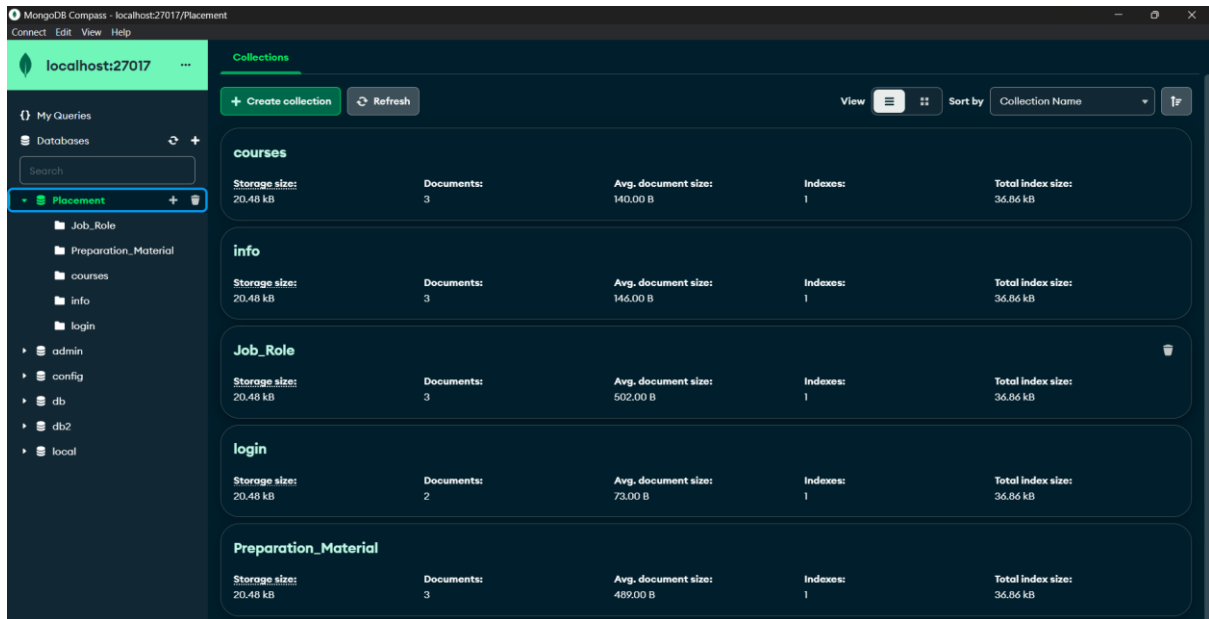
Placement Preparation is hectic. Many B.Tech and M.Tech students does not have the right paved path for their preparation. Everyone says different paths. They also don't have the right materials and guidance to start their preparation.

Create a database in which roadmap for different types of roles offered is present there (like SDE, Data Analyst, Data Scientist, Sales, Marketing etc.). Materials and courses can also be provided.

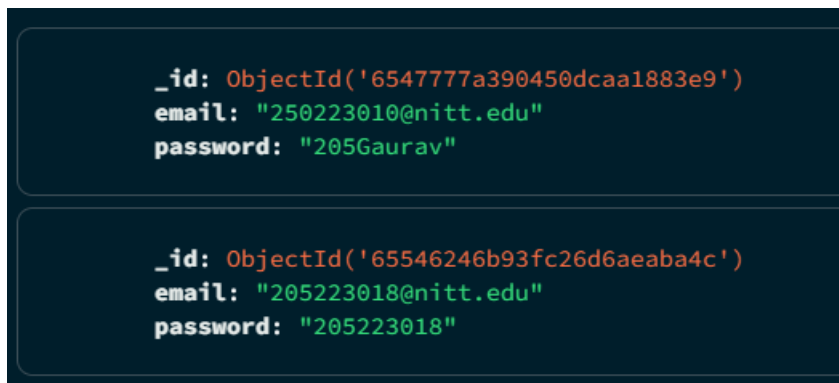
Seniors or alumni can also conduct courses approved by NITT required for their placement during the Summer Vacation. The attendees can also get certificate from NITT.

Seniors who are placed & alumni who has experience in their fields can give advice, their experience for their upcoming campus placement.

2) Database



Login Information-



Student's Information-

```
_id: ObjectId('654775af390450dcaa1883e5')  
Name: "Gaurav Patel"  
Rollno: 205223010  
Speciliazation: "Data Analytics"  
Semester: "1st"  
Interested_Roles: "Data Analyst"
```

```
_id: ObjectId('6556d9f6aa387ff913e8f924')  
Name: "Mukesh Jha"  
Rollno: 205223018  
Speciliazation: "Data Analytics"  
Semester: "1st"  
Interested_Roles: "SDE"
```

```
_id: ObjectId('6556da1baa387ff913e8f925')  
Name: "Chirag Harvani"  
Rollno: 205223005  
Speciliazation: "Data Analytics"  
Semester: "1st"  
Interested_Roles: "Data Scientist"
```

Placement Material-

```
_id: ObjectId('6548ed3b47a1f382b72aaf5c')  
Description: "A data analyst analyses data sets to find ways to solve problems  
rela..."  
Job_Role: "Data Analyst"  
Material_Type: "Vidoes,Books"  
Skills_Required: "Python,SQL,Power Bi,Execl"  
Link: "https://drive.google.com/drive/folders/1UNX957erUgu-5tq-h-8m6CKQkZwLLp..."
```

```
_id: ObjectId('654d1a1617fb8613b9b8d635')  
Description: "A Data Scientist is a professional who collects large amounts of data ..."  
Job_Role: "Data Scientist"  
Material_Type: "Vidoes,Books"  
Skills_Required: "Python or R, SQL, Machine Learning, Deep Leaning, Tableau, Power Bi"  
Link: "https://drive.google.com/drive/folders/1TK-m2IPJoGoDIQxEFc_DuzyVELomM4..."
```

```
_id: ObjectId('654d1a8417fb8613b9b8d636')  
Description: "Software developers design, program, build, deploy and maintain softwa..."  
Job_Role: "Software Developer"  
Material_Type: "Vidoes,Books"  
Skills_Required: "C++ or Java, Git, SQL, DSA"  
Link: "https://drive.google.com/drive/folders/1UxJujztG83NMK2ZE_wSUPijqHkHkG6..."
```


Courses-

```
_id: ObjectId('654d255ab6ac8e0b54357bd6')  
Course_Name: "Full Stack Web Development"  
Trainer: "Akash Sharma"  
Topics_Covered: "HTML, CSS, JavaScript, MERN"
```

```
_id: ObjectId('654d25c3b6ac8e0b54357bd7')  
Course_Name: "Data Science"  
Trainer: "Abishai patel"  
Topics_Covered: "Statistics, SQL, Machine Learning, Deep Learning"
```

```
_id: ObjectId('654d25e8b6ac8e0b54357bd8')  
Course_Name: "Data Analytics"  
Trainer: "Rajat Verma"  
Topics_Covered: "Power BI, Data Mining, Statistics"
```

Job Role-

```
 _id: ObjectId('654d2450b6ac8e0b54357bd2')  
Job_Title: "Data Analyst"  
Description: "A data analyst analyses data sets to find ways to solve problems relat..."  
Skills_Required: "Python or R, SQL, Excel, VBA, Jupyter Nootbooks, Tableau, Power Bi"  
Expected_salary: "10-20 lpa"
```

```
_id: ObjectId('654d2512b6ac8e0b54357bd3')  
Job_Title: "Data Scientist"  
Description: "A Data Scientist is a professional who collects large amounts of data ..."  
Skills_Required: "Python or R, SQL, Machine Learning, Deep Leaning, Tableau, Power Bi"  
Expected_salary: "12-25 lpa"
```

```
_id: ObjectId('654d2549b6ac8e0b54357bd4')  
Job_Title: "Software Developer"  
Description: "Software developers design, program, build, deploy and maintain softwa..."  
Skills_Required: "C++ or Java, Git, SQL, DSA"  
Expected_salary: "8-25 lpa"
```

4) List of stakeholders for the problem

- 1st, 2nd year students of M.Tech & 1st, 2nd, 3rd, 4th year students of B.Tech.
- Admin

5) Schema for individual stakeholders and their views

For 1st, 2nd year students of M.Tech & 1st, 2nd, 3rd, 4th year students of B.Tech, they can login using their email and password. They can see

- Information
- Placement Materials
- Job Roles
- Courses offered

6) Database type used

Database used is MongoDB.

7) Screenshot of front end developed for the views of stakeholders

Student Information-

Placement Materials

Your destination for all the queries related to placement

Student Info

Preparation Materials

Courses

Job Role

Student Information

Name	Roll No.	Specialization	Semester	Interested Roles
Gaurav Patel	205223010	Data Analytics	1st	Data Analyst
Mukesh Jha	205223018	Data Analytics	1st	SDE
Chirag Harvani	205223005	Data Analytics	1st	Data Scientist

Preparation Materials-

Placement Materials

Your destination for all the queries related to placement

Student Info

Preparation Materials

Courses

Job Role

Data Analyst

Material Type: Vidoes,Books

Job Role: Data Analyst

Description: A data analyst analyses data sets to find ways to solve problems relating to a business's customers. A data analyst also communicates this information to management and other stakeholders. The role of a data analyst can be defined as someone who has the knowledge and skills to turn raw data into information and insight, which can be used to make business decisions.

Required Skills: Python,SQL,Power Bi,Excel

Link: https://drive.google.com/drive/folders/1UNX957erUgu-5tq-h-8m6CKQkZwllp01?usp=drive_link

Data Scientist

Material Type: Vidoes,Books

Job Role: Data Scientist

Description: A Data Scientist is a professional who collects large amounts of data using analytical, statistical, and programmable skills. It is their responsibility to use data to develop solutions tailored to meet the organisation's unique needs.

Required Skills: Python or R, SQL, Machine Learning, Deep Learning, Tableau, Power BI

Link: https://drive.google.com/drive/folders/1TK-m2IPJoGoDIQxEFc_DuzyVELomM49h?usp=drive_link

Software Developer

Material Type: Vidoes,Books

Job Role: Software Developer

Description: Software developers design, program, build, deploy and maintain software using many different skills and tools. They also help build software systems that power networks and devices and ensure that those systems remain functional. Their job may also involve meeting with clients to determine the needs for a software solution, which will help them design the final product.

Required Skills: C++ or Java, Git, SQL, DSA

Link: https://drive.google.com/drive/folders/1UxJuztG83NMK2ZE_wSUPijqHkHkG6MZ?usp=drive_link

Courses Offered-

Placement Materials

Your destination for all the queries related to placement

Student Info

Preparation Materials

Courses

Job Role

Full Stack Web Development

Course Name: Full Stack Web Development

Faculty Member: Akash Sharma

Topics Covered: HTML, CSS, JavaScript, MERN

Data Science

Course Name: Data Science

Faculty Member: Abishai patel

Topics Covered: Statistics, SQL, Machine Learning, Deep Learning

Data Analytics

Course Name: Data Analytics

Faculty Member: Rajat Verma

Topics Covered: Power BI, Data Mining, Statistics

Job Role-

Placement Materials

Your destination for all the queries related to placement

Student Info

Preparation Materials

Courses

Job Role

Data Analyst

Job Title: Data Analyst

Description: A data analyst analyses data sets to find ways to solve problems relating to a business's customers. A data analyst also communicates this information to management and other stakeholders. The role of a data analyst can be defined as someone who has the knowledge and skills to turn raw data into information and insight, which can be used to make business decisions.

Skills Required: Python or R, SQL, Excel, VBA, Jupyter Nootbooks, Tableau, Power Bi

Expected salary Range: 10-20 lpa

Data Scientist

Job Title: Data Scientist

Description: A Data Scientist is a professional who collects large amounts of data using analytical, statistical, and programmable skills. It is their responsibility to use data to develop solutions tailored to meet the organisation's unique needs.

Skills Required: Python or R, SQL, Machine Learning, Deep Leaning, Tableau, Power Bi

Expected salary Range: 12-25 lpa

Software Developer

Job Title: Software Developer

Description: Software developers design, program, build, deploy and maintain software using many different skills and tools. They also help build software systems that power networks and devices and ensure that those systems remain functional. Their job may also involve meeting with clients to determine the needs for a software solution, which will help them design the final product.

Skills Required: C++ or Java, Git, SQL, DSA

Expected salary Range: 8-25 lpa

Submitted by-

Name- Gaurav Patel

Roll no.- 205223010

Course- MTech in Data Analytics

Year- 1st Year

Dept.- Computer Application