

STUDENT ELIGIBILITY ANALYSIS



INTRODUCTION:

The Student Eligibility Analysis Report aims to provide a comprehensive evaluation of students' eligibility for various companies based on their CGPA. This analysis focuses exclusively on students from the 2022 to 2026 batch, helping college management filter students according to company eligibility criteria.

Companies are categorized into three tiers based on their salary offerings:

Tier

1: Above 15 LPA Tier

2: Above 5 LPA Tier

3: Between 3 LPA and 5 LPA

The primary objective of this analysis is to compare students' CGPA with the eligibility criteria of these tiers, providing insights into:

The number of students eligible for each tier.

The distribution of high and low CGPA students.

A visual representation of the findings through a Power BI dashboard for efficient decision making.

Database : NRCM

This database stores student and company details to analyze placement eligibility based on CGPA criteria.

TABLES IN THE DATABASE:

STUDENTS:

```
SELECT TOP 10 SERIAL_NUMBER, ROLLNO, STU_NAME, BRANCH, CGPA, BATCH  
FROM STUDENT;
```

| | SERIAL_NUMBER | ROLLNO | STU_NAME | BRANCH | CGPA | BATCH |
|----|---------------|--------|------------|------------|------|-----------|
| 1 | 1 | 101 | DAS | MECHANICAL | 7.23 | 2022-2026 |
| 2 | 2 | 102 | UDAY KIRAN | MECHANICAL | 7.92 | 2022-2026 |
| 3 | 3 | 103 | HUMEER | MECHANICAL | 7.01 | 2022-2026 |
| 4 | 4 | 104 | KIRAN | MECHANICAL | 8.29 | 2022-2026 |
| 5 | 5 | 105 | YOKESH | MECHANICAL | 6.27 | 2022-2026 |
| 6 | 6 | 106 | POOJA | MECHANICAL | 8.53 | 2022-2026 |
| 7 | 7 | 107 | JOEL | MECHANICAL | 6.93 | 2022-2026 |
| 8 | 8 | 108 | NIVAS | MECHANICAL | 5.24 | 2022-2026 |
| 9 | 9 | 109 | KARUN | MECHANICAL | 7.83 | 2022-2026 |
| 10 | 10 | 110 | GANESH | MECHANICAL | 7.72 | 2022-2026 |

SUB COLUMNS:

BRACHES:

```
SELECT DISTINCT BRANCH  
FROM STUDENT
```

| | BRANCH |
|---|-------------------------------|
| 1 | AIML |
| 2 | CIVIL |
| 3 | COMPUTER SCIENCE |
| 4 | ELECTRONICS AND COMMUNICATION |
| 5 | ELECTRONICS AND ELECTRICAL |
| 6 | MECHANICAL |

COMPANIES TABLE:

```
SELECT * FROM COMPANIES
```

| SERIAL_NUMBER | COMPANY_NAME | TIER |
|---------------|----------------------|------|
| 1 | CATALOG | 1 |
| 2 | SPORTS KEEDA | 1 |
| 3 | INVOICE CLOUD | 2 |
| 4 | DELOITE | 2 |
| 5 | TCS CODEVITA | 2 |
| 6 | SURYA TECH | 2 |
| 7 | ZEPTO | 3 |
| 8 | ZENTREE | 3 |
| 9 | TECHOUTS | 3 |
| 10 | FRONTIER ENERGIES | 3 |
| 11 | MARUTHI SUZUKI INDIA | 3 |
| 12 | THERMOCABLE | 3 |
| 13 | BEES | 3 |
| 14 | INFOSYS | 3 |
| 15 | HYNDAI | 3 |
| 16 | SUTHERLAND | 3 |

TIER CLASSIFICATION CRITERIA:

Tier 1:Companies offering above 15 LPA

Tier 2:Companies offering above 5 LPA but less than 15 LPA

Tier 3:Companies offering between 3 LPA and 5 LPA

COMBINING A TABLE:

```
- SELECT TOP 19
      ROW_NUMBER() OVER ( ORDER BY S.ROLLNO) AS SERIAL_NUMBER,
      S.ROLLNO,
      S.STU_NAME,
      S.BRANCH,
      S.CGPA,
      COALESCE(STRING_AGG(C.COMPANY_NAME, ', '), 'Not Eligible') AS ELIGIBLE_COMPANIES
  FROM STUDENT S
 LEFT JOIN COMPANIES C
    ON (
        (S.CGPA >= 9 AND C.TIER = 1)
        OR (S.CGPA >= 8 AND S.CGPA < 9 AND C.TIER = 2)
        OR (S.CGPA >= 6.5 AND S.CGPA < 8 AND C.TIER = 3)
    )
 GROUP BY S.SERIAL_NUMBER,S.ROLLNO, S.STU_NAME, S.BRANCH, S.CGPA
 ORDER BY S.ROLLNO;
```

ELIGIBILITY CONDITIONS FOR COMBINING TABLES:

1) TIER 1 COMPANIES:

*Only students with CGPA ≥ 9 are eligible

2) TIER 2 COMPANIES:

*Students with CGPA between 8 to 9 are eligible

3) TIER 3 COMPANIES:

*Students with CGPA between 6.5 to 8 are eligible

4) NOT ELIGIBLE:

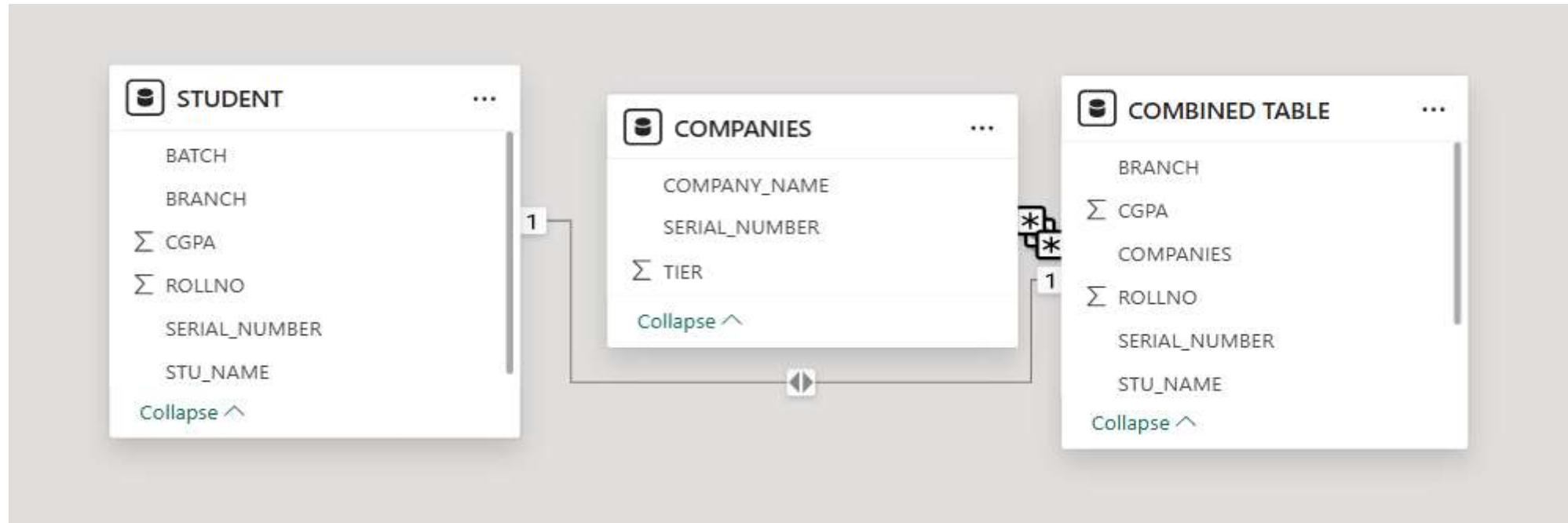
*Students with CGPA below 6.5 are not eligible

STUDENT_ELIGIBILITY TABLE:

| SERIAL_NUMBER | ROLLNO | STU_NAME | BRANCH | CGPA | ELIGIBLE_COMPANIES |
|---------------|--------|------------|------------|------|---|
| 1 | 101 | DAS | MECHANICAL | 7.23 | ZEPTO, ZENTREE, TECHOUTS, FRONTIER ENERGIES, MAR... |
| 2 | 102 | UDAY KIRAN | MECHANICAL | 7.92 | ZEPTO, ZENTREE, TECHOUTS, FRONTIER ENERGIES, MAR... |
| 3 | 103 | HUMEER | MECHANICAL | 7.01 | ZEPTO, ZENTREE, TECHOUTS, FRONTIER ENERGIES, MAR... |
| 4 | 104 | KIRAN | MECHANICAL | 8.29 | INVOICE CLOUD, DELOITE, TCS CODEVITA, SURYA TECH |
| 5 | 105 | YOKESH | MECHANICAL | 6.27 | Not Eligible |
| 6 | 106 | POOJA | MECHANICAL | 8.53 | INVOICE CLOUD, DELOITE, TCS CODEVITA, SURYA TECH |
| 7 | 107 | JOEL | MECHANICAL | 6.93 | ZEPTO, ZENTREE, TECHOUTS, FRONTIER ENERGIES, MAR... |
| 8 | 108 | NIVAS | MECHANICAL | 5.24 | Not Eligible |
| 9 | 109 | KARUN | MECHANICAL | 7.83 | ZEPTO, ZENTREE, TECHOUTS, FRONTIER ENERGIES, MAR... |
| 10 | 110 | GANESH | MECHANICAL | 7.72 | ZEPTO, ZENTREE, TECHOUTS, FRONTIER ENERGIES, MAR... |
| 11 | 111 | MANASA | MECHANICAL | 7.91 | ZEPTO, ZENTREE, TECHOUTS, FRONTIER ENERGIES, MAR... |
| 12 | 112 | RAMESH | MECHANICAL | 7.53 | ZEPTO, ZENTREE, TECHOUTS, FRONTIER ENERGIES, MAR... |
| 13 | 113 | MANASWI | MECHANICAL | 8.73 | INVOICE CLOUD, DELOITE, TCS CODEVITA, SURYA TECH |
| 14 | 114 | KUMAR | MECHANICAL | 7.03 | ZEPTO, ZENTREE, TECHOUTS, FRONTIER ENERGIES, MAR... |
| 15 | 115 | SURAJ | MECHANICAL | 7.30 | ZEPTO, ZENTREE, TECHOUTS, FRONTIER ENERGIES, MAR... |
| 16 | 201 | ADITYA | CIVIL | 8.23 | INVOICE CLOUD, DELOITE, TCS CODEVITA, SURYA TECH |
| 17 | 202 | VIJAY | CIVIL | 8.53 | INVOICE CLOUD, DELOITE, TCS CODEVITA, SURYA TECH |
| 18 | 203 | ACHYUTH | CIVIL | 9.23 | CATALOG, SPORTS KEEDA |
| 19 | 204 | MANISHA | CIVIL | 8.03 | INVOICE CLOUD, DELOITE, TCS CODEVITA, SURYA TECH |

VISUALIZATION USING POWER BI:

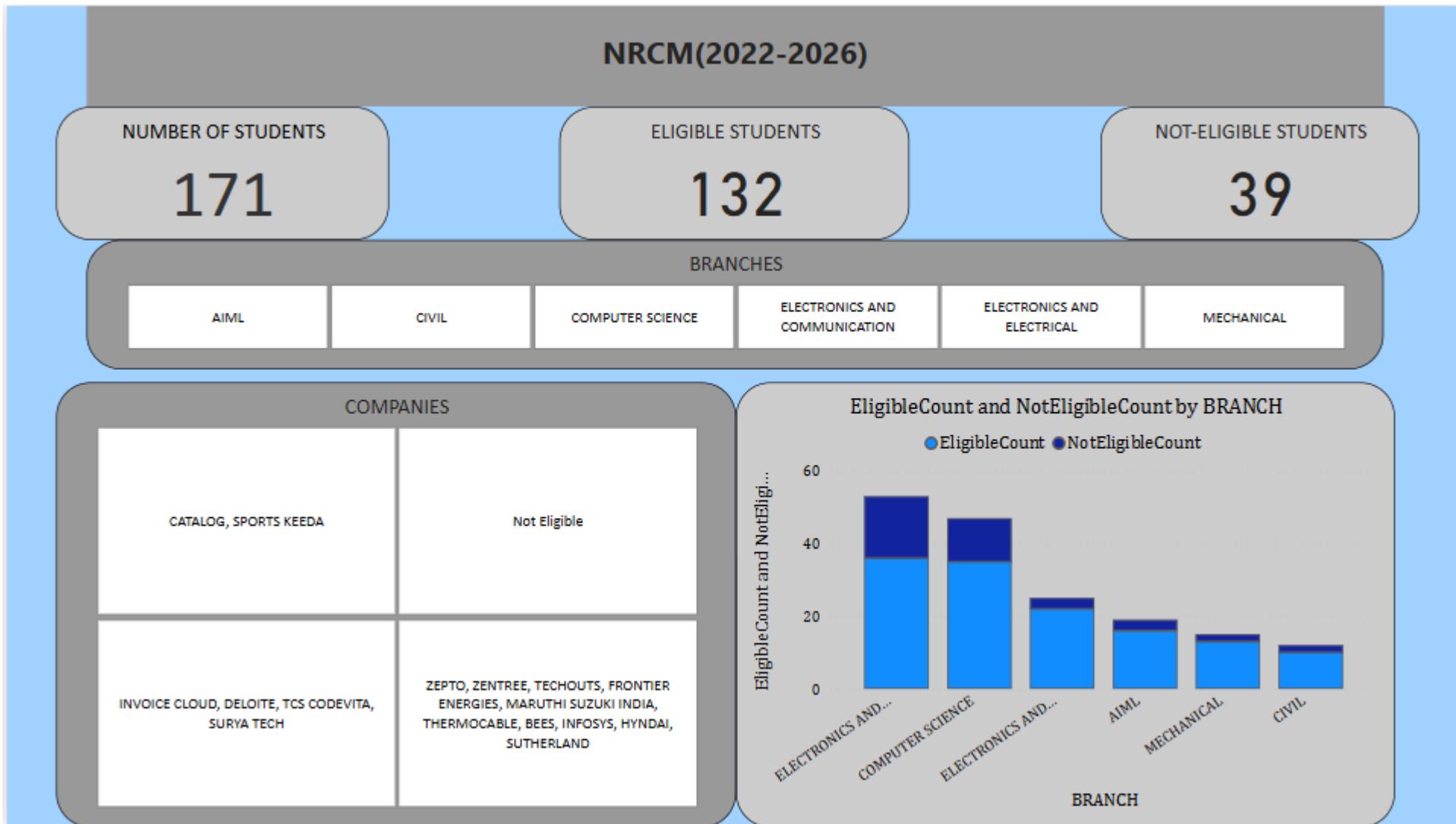
MODEL VIEW:



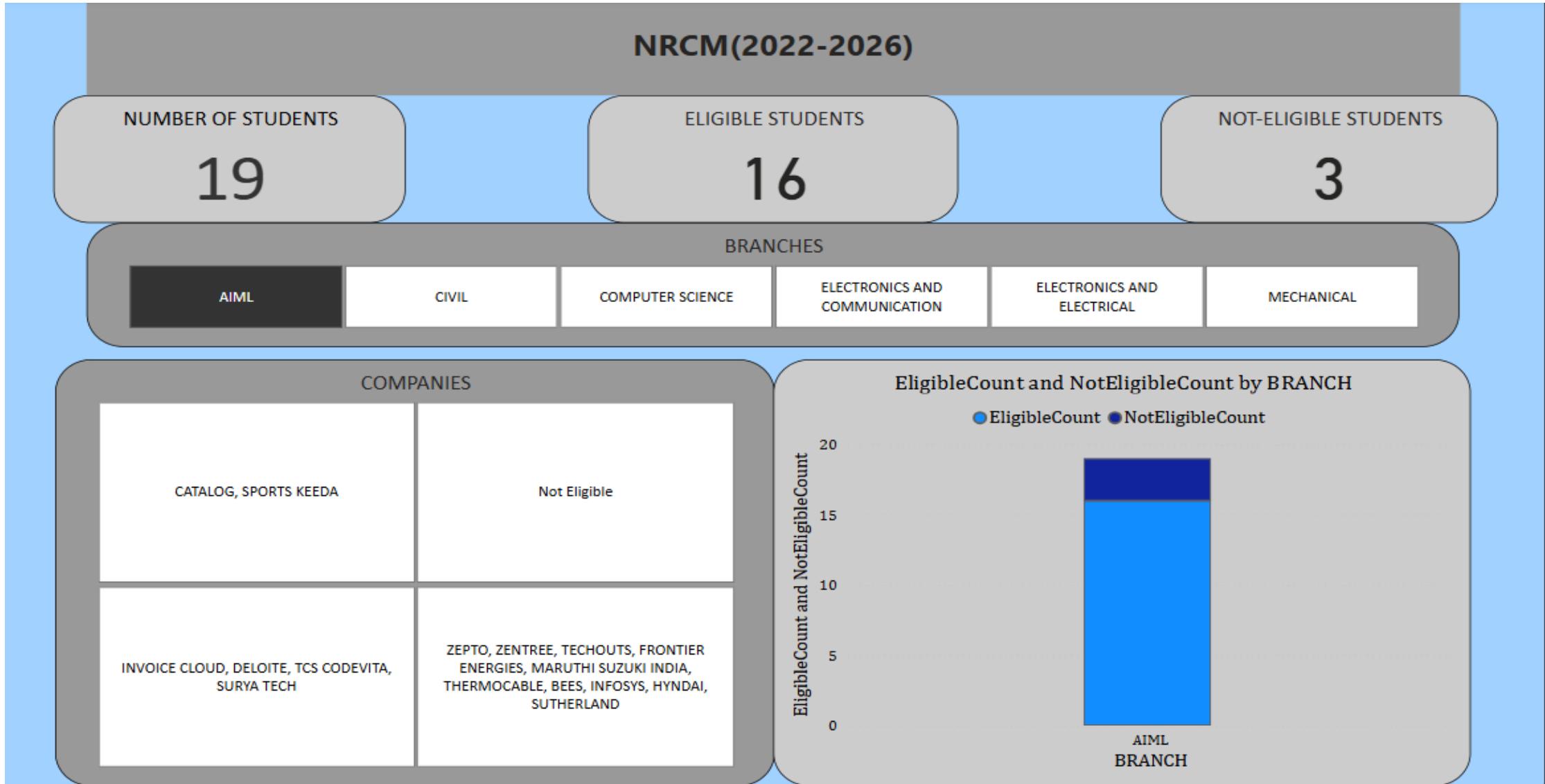
STUDENT AND COMBINED TABLE RELATION TYPE: ONE TO ONE(1:1)

COMPANIES AND COMBINED TABLE RELATION TYPE:MANY TO MANY(*:*)

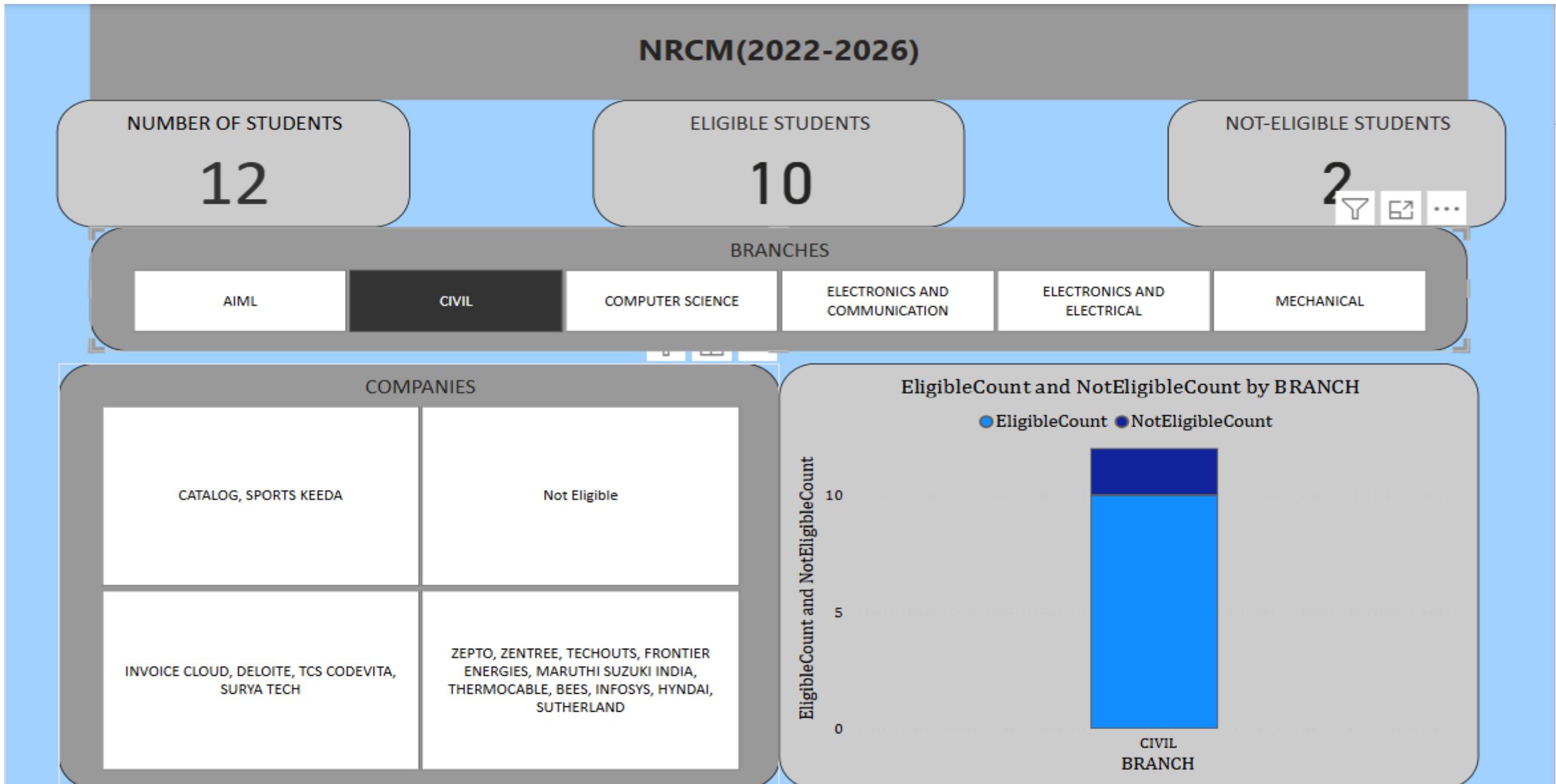
DASHBOARD:



AIML BRANCH:



CIVIL BRANCH:



COMPUTER SCIENCE BRANCH:

NRCM(2022-2026)

NUMBER OF STUDENTS

47

ELIGIBLE STUDENTS

35

NOT-ELIGIBLE STUDENTS

12

BRANCHES

AIML

CIVIL

COMPUTER SCIENCE

ELECTRONICS AND
COMMUNICATION

ELECTRONICS AND
ELECTRICAL

MECHANICAL

COMPANIES

CATALOG, SPORTS KEEDA

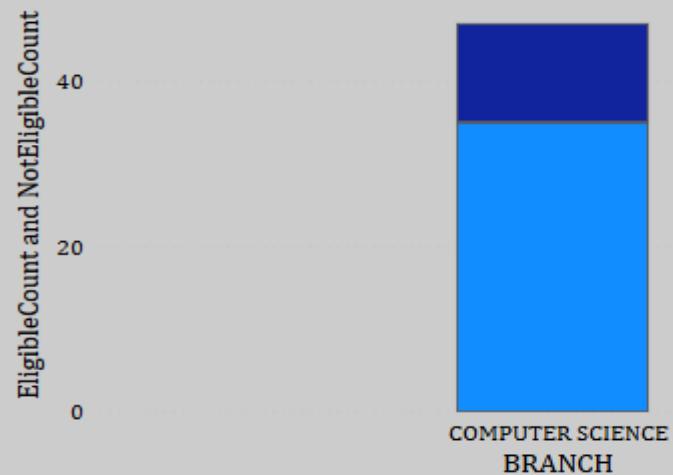
Not Eligible

INVOICE CLOUD, DELOITE, TCS CODEVITA,
SURYA TECH

ZEPTO, ZENTREE, TECHOUTS, FRONTIER
ENERGIES, MARUTHI SUZUKI INDIA,
THERMOCABLE, BEES, INFOSYS, HYNDAI,
SUTHERLAND

EligibleCount and NotEligibleCount by BRANCH

● EligibleCount ● NotEligibleCount



ELECTRONIC AND COMMUNICATION BRANCH:

NRCM(2022-2026)

NUMBER OF STUDENTS

53

ELIGIBLE STUDENTS

36

NOT-ELIGIBLE STUDENTS

17

BRANCHES

AIML

CIVIL

COMPUTER SCIENCE

ELECTRONICS AND
COMMUNICATION

ELECTRONICS AND
ELECTRICAL

MECHANICAL

COMPANIES

CATALOG, SPORTS KEEDA

Not Eligible

INVOICE CLOUD, DELOITE, TCS CODEVITA,
SURYA TECH

ZEPTO, ZENTREE, TECHOUTS, FRONTIER
ENERGIES, MARUTHI SUZUKI INDIA,
THERMOCABLE, BEES, INFOSYS, HYNDAI,
SUTHERLAND

EligibleCount and NotEligibleCo...

● EligibleCount ● NotEligibleCount

EligibleCount and NotEligibleCo...
0 20 40 60



ELECTRONICS AND
COMMUNICATION
BRANCH

Student Placement Dashboard Report (NRCM 2022-2026)

1. Overview : This report provides insights into the student placement statistics for the NRCM 2022-2026 batch. The dashboard includes key metrics such as the total number of students, eligibility status, companies involved in recruitment, and placement trends across different branches.

2. Key Metrics:

Total Number of Students: 171

Eligible Students: 132

Not-Eligible Students: 39.

3. Companies Participating in Recruitment:

The dashboard lists various companies involved in student placements. Some notable companies include:

Invoice Cloud, Deloitte, TCS CodeVita, Surya Tech , Zepto , Zentree , Tech outs , Infosys, Hyundai, Sutherland, Maruti Suzuki India , Catalog , Sports Keeda.

4. Placement Analysis by Branch:

A breakdown of student placement across different branches is provided, including eligibility counts. Based on the bar chart: Electronics and Communication (ECE) has the highest placement rate with the most students placed.

Computer Science (CSE) follows as the second highest branch for placements.

Other branches like AIML, Mechanical, and Civil have lower placement numbers.