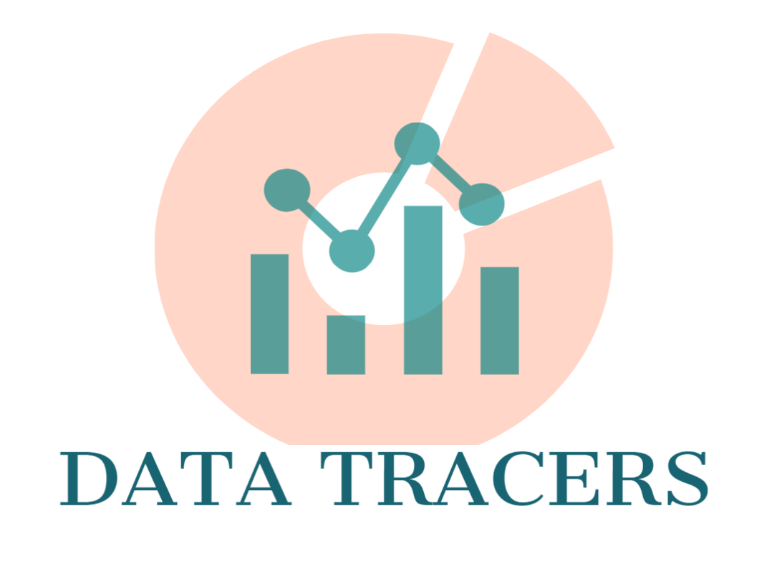
**FINAL PROJECT MILESTONE 02**

**Team Name:** Data Tracers

**Team Logo:**

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**Team Members:**

|  |  |
| --- | --- |
| **S.No** | **Team Members** |
| 1. | Manisha Mengani |
| 2. | Nithya Karepe |
| 3. | Omkar Abhiteja Badda |
| 4. | Rohith Chittimalla |
| 5. | Sai Jyothsna Mathi |
| 6. | Soujanya Janapatla |

1. **Domain of the data set**: **This is an academic data which is regarding the student placement.**
2. **Data File:**

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1. **Data Source**:

Content in the data set is from <https://www.kaggle.com/benroshan/factors-affecting-campus-placement/data>

1. **Number of records and Columns**:200\*3

|  |  |  |
| --- | --- | --- |
| **S.No** | **Column name** | **Description** |
| 1 | Student ID | Unique identifier of the student in the table |
| 2 | Gender | Gender of the student (M/F) |
| 3 | Tenth Percentage | Percentage of the total marks secured in the tenth standard |
| 4 | Intermediate Percentage | Percentage of the total marks secured in intermediate |
| 5 | B.tech\_Stream | Branch of the student studies in bachelor of technology |
| 6 | B.tech\_Percentage | Percentage of the total marks secured in Bachelor of Technology(EEE, CSE, MECH) |
| 7 | Internship | Mention Yes / No if a student takes an internship |
| 8 | Placement\_Exam\_Percentage | Percentage of marks scored in placements  examination |
| 9 | M.tech\_Percentage | Student percentage of marks secured in Master of technology |
| 10 | Company\_Sector | Specify the public sector or private sector in which student is working |
| 11 | Status | Mention status of the student as placed or not placed in placements |
| 12 | Salary | Salary of the student if placed in placements and working for any sector |

1. **Visualization Tools Selected** : MS Excel
2. **Data cleaning strategies if any :** Removed unwanted and duplicate data from our set and changed according to our goals.
3. **Cleaned data set link:**

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1. **The goals of your project and the charts generated for each goal:**

**Goal 1:** **Distribution of students with respect to internship and their placement status**

**Goal 2:** **Highest percentage in each B.Tech stream**

**Goal 3: Distribution of placement status of students based on their gender**

**Goal 4:** **Distribution of student’s data based on their B.Tech streams and working sectors**

**Goal 5: Students who have secured a percent which is greater than or equal to 60 in their placement exam and their placement status**

**Goal 6: Distribution of students data based on salary greater than 300,000 and company sector**

1. **Write the story from each chart that you generated**

**Goal 1:** **Distribution of students with respect to internship and their placement status**

**Goal 1 Story**

The data provided is related to 200 students of a university from 3 different branches (CSE, EEE, MECH) and their percentages in various education levels, along with their placement status and information related to their job like the company sector (Public or Private) and salary.

This sheet has information related to students who obtained an internship during their B.Tech and whether they got placed in a company or not. From the data, we can see that a total of 71 students got an internship out of all the 200 students. On the other hand, a total of 137 students got placed while 63 students were not placed of which 10 students have done an internship. 76 students who have not done any internship also got placed which is higher than the number of students who have done an internship and got placed (61). From this, it is clear that even though an internship would add some value to a person’s profile but it is not a mandatory requirement to get placed in a company.

**Goal 2:** **Highest percentage in each B.Tech stream**

**Goal 2 Story**

The data provided is related to 200 students of a university from 3 different branches (CSE, EEE, MECH) and their percentages in various education levels, along with their placement status and information related to their job like the company sector (Public or Private) and salary.

This sheet has information related to students who have the highest percentage in their respective streams. It is clear that CSE tops the list with a massive percent of 91 while MECH secured a percent around 71 which is the least out of the three streams. EEE maintained a descent percent of 85 despite the fact that it contains highest number of students. On considering the overall average it sums up to around 85 which is not that bad and the graph is also linear in nature.

**Goal 3: Distribution of placement status of students based on their gender**

**Goal 3 Story**

The data provided is related to 200 students of a university from 3 different branches (CSE, EEE, MECH) and their percentages in various education levels, along with their placement status and information related to their job like the company sector (Public or Private) and salary.

This sheet has information related to student’s placement status depending on their gender. Out of 200 students, there are 127 males and 73 females. 91 male students got placed which is the highest for the given data and 36 students were not placed. Considering the number of placed students, this value is 3 times less. On the other end, 46 female students got placed while nearly half of them were not placed (27) which is least for the given values.

**Goal 4:** **Distribution of student’s data based on their B.Tech streams and working sectors**

**Goal 4 Story**

This sheet has information related to the student’s B.Tech streams and their working sectors. Almost half of the total number of students got placed in private sectors (87) while only 50 students were placed in the public sector. Nearly 63 students were still not placed in any company. EEE has the most number of students and a total of 70 students got placed of which 35 were placed in the private sector and 26 in the public sector, while nearly half of them were not placed (34). CSE has the next highest number of students of which nearly 60 students got placed of which 35 got placed in the private sector while 26 in the public sector and 24 students remained unplaced. MECH has a total of 11 students of which only 1 student got placed in the public sector. Out of the remaining 10 students, exactly half of them got placed in the private sector and the other half was left unplaced.

**Goal 5:** **Students who have secured a percent which is greater than or equal to 60 in**

**their placement exam and their placement status**

**Goal 5 Story**

The data provided is related to 200 students of a university from 3 different branches (CSE, EEE, MECH) and their percentages in various education levels, along with their placement status and information related to their job like the company sector (Public or Private) and salary.

This sheet has information related to the placement status of students who have secured a percent which is >= 60 in the placement exam. Data is split up into intervals of 5 and out of 200 students, 156 got a percent above 60 in the exam. Almost more than a hundred students got placed into a company while 50 were not placed. Nearly 50 students with marks from 60-80 got placed and students with remaining marks (81-100) were also the same. Overall, it can be concluded that most of the students who have done well in the exam by scoring more than 70 were successfully placed.

**Goal 6: Distribution of students data based on salary greater than 300,000 and**

**Company sector**

**Goal 6 Story**

This sheet has information related to the students whose salary is greater than 300,00 and the company sector in which they work. Student's salary is split up into 5 intervals with a range of 1 lakh each making a total of 5 values. From the chart, it is evident that a total of 27 students have a salary above 300,000 of which 19 work for the private sector and 8 for the public sector. 499,999 is the highest salary range for people working in the public sector while 999,999 being the highest in the private sector which is available for 1 person. Most of the students (14) had a salary range from 3 to 4 lakh while 7 in the next interval which is 4 to 5 lakh. It is observed that as the number of students decreases as the salary increases.

1. **Overall conclusion for your analysis:**

Placement data is analyzed to understand the student job state. This data also converses regarding student academics from tenth until masters. It concludes that irrespective of attending internship, students with good academics got placed in both public and private sector and earns a good amount of salary. There may be cases where even a student who secured good percent might not get placed but this is with respect to a small amount of students. On a larger note most of the students got successfully placed and are working for a good pay.

**Overall data set with goals and stories link:**

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