



Insightful Enrolment: Analysing Student Admission Trends at Sikkim University (2023)

Objective

To analyse and visualize student admission data for the year 2023 of Sikkim University using Power BI, with the aim of gaining insights into various aspects of student demographics, distribution, and trends.



Data Preparation

- Import the student admission dataset from excel sheet to Power BI.
- Perform any necessary data cleaning and transformation to ensure data accuracy and consistency in excel as well as in Power BI.

Testing and Validation

- Test the visualizations and dashboard for functionality, performance, and accuracy.
- Validate the results against the original dataset to ensure consistency.

Questionaries

- 01 What is the distribution of students across different departments?
- 02 How does the gender distribution vary among different student categories?
- 03 What are the trends in student admissions over the birth years?
- 04 Which blood group is the most common among the admitted students?
- 05 What is the geographical distribution of students based on their permanent address?

Created Following Visualization

- Bar Chart: Number of Students by Department
- Pie Chart: Gender Distribution of Students
- Stacked Bar Chart: Students by Category and Gender
- Line Chart: Number of Students by Birth Year
- Donut Chart: Blood Group Distribution of Students

Insights

In the 2023 session at Sikkim University, 659 students were admitted, with 248 males and 411 females. The most common birth year was 2000, with 189 students. A+ was the most common blood group (210), followed by O+ (202), and AB- was the least common (1). The top 5 departments by enrollment were Political Science (33), Sociology (27), Zoology (22), Psychology (21), and Tourism (21). Female students comprised 67.14% of ST, 61.46% of General category, 59.32% of OBC, 61.36% of SC, and 54.5% of EWS students. The highest number of students (237) were from Sikkim, followed by Assam (133) and West Bengal (79).





Thanks