**Project Overview**

This project analyzes student placement data to identify the key factors influencing job placements. The goal is to derive insights into how academic performance, internships, soft skills, and placement training impact a student's chances of securing a job. The analysis is presented through an interactive **Power BI dashboard**, allowing for dynamic filtering and in-depth exploration of trends.

**Dataset Details**

The dataset contains **placement records of students**, including:

* **Academic Scores**: Grade 10, Grade 12, and GPA.
* **Internships**: Number of internships completed.
* **Skill Development**: Soft skills ratings, workshops attended, and projects completed.
* **Placement Status**: Whether the student was placed or not.
* **Placement Training**: Participation in structured placement training programs.

**Key Questions Addressed**

1. How do academic scores (GPA, Grade 10, Grade 12) impact placement?
2. Do internships and placement training improve job success rates?
3. What is the role of workshops and projects in securing placements?
4. How do soft skills correlate with successful placements?
5. What are the differences between placed and not placed students?

**Findings & Insights**

* 📌 **Internships Play a Crucial Role**: Students with at least **one internship** had a **higher placement rate** compared to those with none.
* 📌 **Placement Training Boosts Success**: A significant percentage of placed students had participated in **structured placement training**.
* 📌 **GPA Matters, but Not Alone**: Higher GPAs correlated with placement success, but **internships and workshops** also played a key role.
* 📌 **Soft Skills Have a Strong Impact**: Students with better soft skills ratings were **more likely to be placed**.
* 📌 **Challenges Faced by Not Placed Students**: Many students who were not placed had **lower engagement** in skill-based activities (projects, workshops, internships).

**Power BI Dashboard & Features**

The project includes **interactive dashboards** with:

1. **Placement Overview**: Total students placed vs. not placed.
2. **Key Success Factors**: Impact of internships, placement training, and soft skills.
3. **Challenges of Not Placed Students**: Identifying areas where unsuccessful candidates lacked support.
4. **Academic & Skill-Based Factors**: Effect of Grade 10, Grade 12, projects, and workshops.

**Tools & Techniques Used**

* **Power BI**: Data visualization, dashboard creation.
* **Power Query**: Data cleaning and transformation.
* **DAX (Data Analysis Expressions)**: Custom calculations for filtering placement success.
* **Power BI Service**: Hosting and sharing dashboards.

**Conclusion**

This Power BI project highlights **key determinants of student placement success**, showing that a combination of **academics, internships, skill-building activities, and placement training** significantly increases employability. The interactive dashboard allows for **dynamic filtering and detailed exploration of trends**, making it a valuable tool for career counselors, students, and educational institutions.

**Next Steps**

This project can be **expanded** by integrating real-time placement data, predictive modeling for placement probability, or comparing placement trends across different years or institutions.

**Project Link**

<https://app.powerbi.com/groups/me/reports/b9fcd223-ca21-4e00-b3ef-026758ac25bf?ctid=a8eec281-aaa3-4dae-ac9b-9a398b9215e7&pbi_source=linkShare&bookmarkGuid=d4cb61c0-a49c-47aa-ae61-e33f4f60b72d>