



## Survey Report: 2024-25

### Survey: A Student' Perspective

#### *Exploring Student' Perception of Science Education*



The **Department of Physics** undertook a systematic survey to assess the declining trend of students opting for science disciplines in colleges across **Himachal Pradesh**. The primary objective of the survey was to analyze students' perceptions and to identify the factors responsible for their reduced inclination towards pursuing higher education in science streams.

The study was conducted by **two students of B.Sc. IIIrd (Non- Medical) Dharmender and Ghanshyam under the supervision of Dr. Kirti Singha**. A structured **Google Form comprising seven carefully designed questions** was circulated among college students to collect relevant data. The responses were analyzed using appropriate methods, and the findings, along with the conclusions of the study, were compiled and presented in the form of a **poster presentation**. The survey responses are attached with.

**Introduction:** This study delves into how students view science as a subject, their experiences within the educational framework, and the factors shaping their interest and motivation. Through this survey, we aimed to capture the voices of students to understand their perceptions, identify barriers, and uncover opportunities to make science education more impactful and inclusive.

#### **Questionare:**

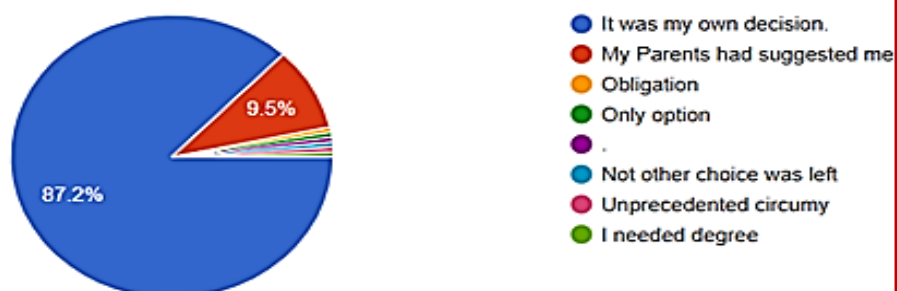
1. What were the primary factors that influenced your decision to pursue a Bachelor's degree in Science?
2. Are you satisfied with your decision of Choosing Science?
3. What challenges, if any, have you encountered while learning Science?
4. Do you intend to pursue further studies in a scientific field?
5. Are you interested in pursuing a career in Science and Technology?
6. In what ways, if any, has studying Science positively impacted your personality?
7. Do you apply Science in your daily life?

**Abstract:** This research aims to understand Students' perceptions of science education, their future aspirations in science, and the challenges they face. By analysing survey data, we seek to improve science education and inspire students through counselling sessions with experienced personalities in Science & Technology

Result:

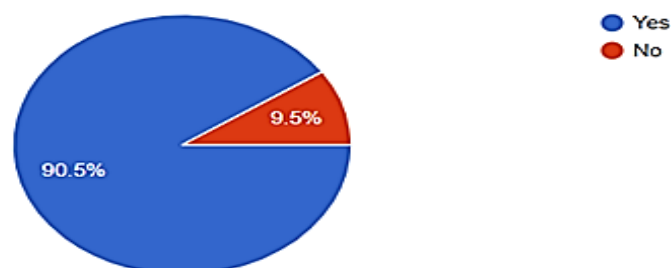
1. Did you choose to pursue your Bachelor's in Science because:

179 responses



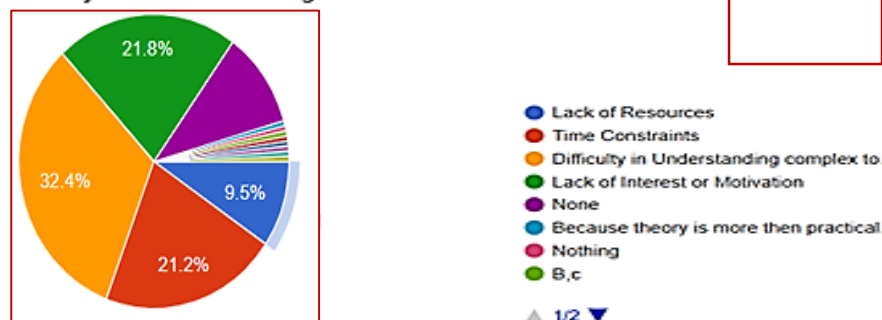
2. Are you satisfied with your decision of Choosing Science?

179 responses



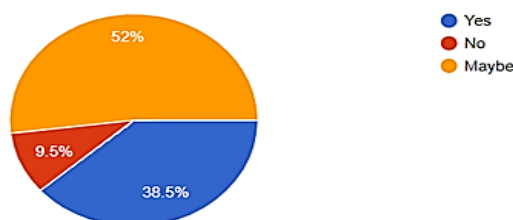
3. What are some barriers you face in learning science?  
(if any)

179 responses



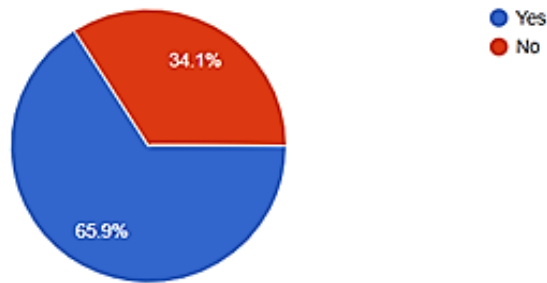
4. Do you plan to pursue advanced studies in science?

179 responses



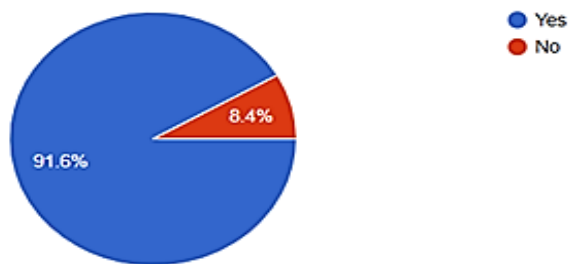
**5. Are you looking for making your career in Science & Technology?**

179 responses



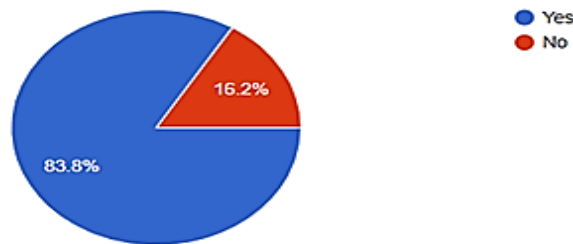
**6. Has Science had a positive impact on your personality?**

179 responses



**7. Do you apply Science in your daily life?**

179 responses



**Conclusion:**

The survey provided valuable insights into students' perceptions of science education. Key findings revealed that while many students express interest in science, factors such as time constraints, inadequate practical experiences, and difficulties in understanding complex topics can hinder their motivation. The study also highlighted the importance of positive role models in inspiring students to pursue science-related careers. By addressing these issues and implementing evidence-based strategies, educators and policymakers can work towards creating a more stimulating and effective science learning environment, fostering a lifelong passion for scientific inquiry.

**Mehod adopted:** Data Collection: Google Form was used to get the data of 179 science students of our college for the survey.



# Survey: A Student' Perspective

## Exploring Student' Perception of Science Education



### INTRODUCTION

This study delves into how students view science as a subject, their experiences within the educational framework, and the factors shaping their interest and motivation. Through this survey, we aimed to capture the voices of students to understand their perceptions, identify barriers, and uncover opportunities to make science education more impactful and inclusive.

### QUESTIONS ADDRESSED

- 1.What were the primary factors that influenced your decision to pursue a Bachelor's degree in Science?
2. Are you satisfied with your decision of Choosing Science?
3. What challenges, if any, have you encountered while learning Science?
4. Do you intend to pursue further studies in a scientific field?
5. Are you interested in pursuing a career in Science and Technology?
6. In what ways, if any, has studying Science positively impacted your personality?
7. Do you apply Science in your daily life?

### ABSTRACT

This research aims to understand Students' perceptions of science education, their future aspirations in science, and the challenges they face. By analyzing survey data, we seek to improve science education and inspire students through counseling sessions with experienced personalities in Science & Technology

### METHOD

- ❖ Data Collection: Google Form was used to get the data of 179 science students of our college for the survey.

### RESULT

1. Did you choose to pursue your Bachelor's in Science because:

179 responses



- I love my own choice
- By friends and suggested by
- My sister
- No other choice was left
- Inspired by role models
- Influenced by

2. How do you feel about your choice of studying science?

179 responses



- Good
- Satisfied
- Not Satisfied
- Not Good
- Not interested
- Not motivated
- Not inspired

3. Are you satisfied with your decision of choosing science?

179 responses



- Yes
- No

4. Do you plan to pursue advanced studies in science?

179 responses



- Yes
- No
- Maybe

5. Are you looking for making your career in science & Technology?

179 responses



- Yes
- No

6. Has Science had a positive impact on your personality?

179 responses



- Yes
- No

7. Do you apply Science in your daily life?

179 responses



- Yes
- No

### CONCLUSION

The survey provided valuable insights into students' perceptions of science education. Key findings revealed that while many students express interest in science, factors such as time constraints, inadequate practical experiences, and difficulties in understanding complex topics can hinder their motivation. The study also highlighted the importance of positive role models in inspiring students to pursue science-related careers. By addressing these issues and implementing evidence-based strategies, educators and policymakers can work towards creating a more stimulating and effective science learning environment, fostering a lifelong passion for scientific inquiry.

### Acknowledgments

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