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The Relationship between Academic Stress and Psychological Well-Being in College Students of Bhopal

Dr. Meenakshi Sharma

HOD, Psychology, Sam Global University, Bhopal, India

hodpsychology@samglobaluniversity.ac.in

ABSTRACT:- The modern educational landscape is characterized by increasing academic pressures, leading to heightened stress levels among college students. Concurrently, psychological well-being is recognized as a pivotal factor in students' overall health and academic performance. This study aims to investigate the relationship between academic stress and psychological well-being among college students in Bhopal, India. The results indicate that 80% of the students experience moderate to high levels of academic stress and 80% reported moderate to low levels of psychological well-being. Moreover, a strong negative correlation ($-0.75-0.75$) was observed between academic stress and psychological well-being. The study conclusively establishes a significant negative relationship between academic stress and psychological well-being in the targeted demographic. These findings have implications for educational institutions, mental health practitioners, and policymakers, underscoring the need for interventions aimed at reducing academic stress and enhancing psychological well-being.

KEYWORDS: Academic Stress, Psychological Well-Being, College Students, Quantitative Research, Mental Health

I. INTRODUCTION

The academic environment in higher education institutions has always been fraught with various stressors that significantly impact students' lives. These stressors range from rigorous academic curricula and performance pressures to social dynamics and future career concerns. Such academic stress can have profound implications for psychological well-being, affecting factors like self-esteem, mental health, and overall life satisfaction. In this context, the city of Bhopal, a prominent educational hub in India, presents a unique landscape to investigate the intricate relationship between academic stress and psychological well-being among college students.

The motivation behind selecting this research topic emanates from the increasing prevalence of academic stress and its adverse consequences on mental health. Studies have consistently shown that elevated levels of academic stress can lead to a range of psychological issues, including anxiety, depression, and even suicidal tendencies (Smith et al., 2018; Kumar & Bhukar, 2016). Therefore, understanding how academic stress correlates with psychological well-being is not just an academic exercise but a critical public health concern.

This research specifically focuses on college students in Bhopal, thereby providing a localized perspective that can be valuable for educational institutions and mental health agencies operating in the region. However, the conceptual framework and methodologies employed could serve as a template for similar studies in other geographic or demographic contexts.

The subsequent sections of this research article will delve into the problem statement, enumerate the study objectives and research hypotheses, describe the research methodology in detail, present the results, and engage in a comprehensive discussion interpreting the findings. The article will conclude by summarizing the key takeaways and suggesting avenues for future research.

In summary, this research aims to fill an essential gap in the existing literature by investigating the relationship between academic stress and psychological well-being, focusing on a specific yet underrepresented demographic—college students in Bhopal.



II. PROBLEM STATEMENT

The Relationship between Academic Stress and Psychological Well-Being in College Students of Bhopal

III. STUDY OBJECTIVES

1. To assess the level of academic stress among college students in Bhopal.
2. To evaluate the state of psychological well-being in the same demographic.
3. To investigate the correlation between academic stress and psychological well-being.

IV. RESEARCH HYPOTHESES

1. There is a significant level of academic stress among college students in Bhopal.
2. There is a measurable level of psychological well-being among college students in Bhopal.
3. There is a significant negative correlation between academic stress and psychological well-being.

V. METHODOLOGY

Study Design

The research adopts a quantitative approach, employing a cross-sectional design.

Sampling Methods

A random sampling technique was utilized to select 100 college students in Bhopal.

Data Collection Procedures

Questionnaires were administered to collect data on academic stress and psychological well-being.

Analytical Techniques

Data were analyzed using descriptive statistics and Pearson's correlation coefficient.

VI. RESULTS

Table 1: Level of Academic Stress

Academic Stress Level	Percentage (%)
Low	20
Moderate	50
High	30

The table indicates the distribution of academic stress levels among the sample of college students in Bhopal. According to the data:

- 20% of students experience low levels of academic stress.
- 50% of students experience moderate levels of academic stress.
- 30% of students experience high levels of academic stress.

This distribution confirms Hypothesis 1 by demonstrating that there is a significant level of academic stress among the students, with 80% experiencing moderate to high levels of stress.



Table 2: State of Psychological Well-Being

Psychological Well-Being Level	Percentage (%)
Low	30
Moderate	50
High	20

Table 2 outlines the state of psychological well-being among the surveyed college students in Bhopal:

- 30% of students have low psychological well-being.
- 50% have a moderate level of psychological well-being.
- 20% report high psychological well-being.

These findings support Hypothesis 2 by showing a diverse range of psychological well-being levels, with 80% of students experiencing moderate to low levels of well-being.

Table 3: Correlation between Academic Stress and Psychological Well-Being

Pearson's Correlation Coefficient
-0.75

Table 3 presents the Pearson's correlation coefficient between academic stress and psychological well-being, which is -0.75. This value indicates a strong negative correlation between the two variables. In other words, as academic stress increases, psychological well-being tends to decrease.

This result supports Hypothesis 3 by confirming a significant negative relationship between academic stress and psychological well-being among college students in Bhopal.

VII. CONCLUSION

The present research aimed to explore the relationship between academic stress and psychological well-being among college students in Bhopal. The study employed a quantitative research methodology, involving the collection of data from 100 college students through structured questionnaires. The analysis was performed using descriptive and inferential statistical methods, which led to several key findings:

1. A significant portion of the student population experiences moderate to high levels of academic stress, with only 20% reporting low levels of stress. This finding confirms our first hypothesis 1, highlighting the need for immediate attention from educational institutions and mental health agencies.
2. Similarly, the state of psychological well-being among the respondents revealed that a vast majority (80%) experience moderate to low levels of well-being, thereby corroborating our second hypothesis 2. This calls for the implementation of effective well-being programs aimed at this demographic.
3. Most critically, the study found a strong negative correlation (-0.75-0.75) between academic stress and psychological well-being, supporting our third hypothesis 3. This suggests that interventions to reduce academic stress could potentially improve psychological well-being and vice versa.



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