

Stress Management and Coping Mechanisms Among College Students: An Empirical Study

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R. Darshan

III BBA Logistics

Nehru Arts and Science College (Autonomous), Coimbatore

B. Abin

III BBA Logistics

Nehru Arts and Science College (Autonomous), Coimbatore

K. Shobana

Assistant Professor, Department of BBA (Logistics & Aviation)

Nehru Arts and Science College (Autonomous), Coimbatore

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Abstract

The contemporary higher education environment has become increasingly demanding due to academic competition, technological influence, performance expectations, and career uncertainty. College students experience multidimensional stress arising from academic, psychological, social, and financial factors. Prolonged exposure to stress without adequate coping mechanisms may lead to anxiety, depression, burnout, sleep disorders, and poor academic performance. The present study investigates the level of stress among college students, identifies major stressors, and evaluates the effectiveness of various stress management strategies. A descriptive research design was adopted, and primary data were collected from 200 students using a structured questionnaire based on a five-point Likert scale. The findings reveal that academic workload, examination anxiety, and future career concerns are the dominant stressors. Mean score analysis indicates that sleep disturbances and lack of concentration are the most significant consequences of stress. Coping mechanisms such as social support, recreational activities, and time management were found to be moderately effective, while structured techniques like meditation and professional counseling were underutilized. The study emphasizes the need for institutional-level interventions to promote psychological well-being and resilience among students.

Keywords: Academic Stress, Psychological Well-being, Coping Strategies, Student Mental Health, Stress Management, Higher Education

Introduction

Stress is defined as a psychological and physiological response that occurs when individuals perceive an imbalance between environmental demands and their ability to cope. In the context of higher education, stress has become a critical concern due to increasing academic expectations, competitive learning environments, technological overload, and uncertainty regarding employment opportunities.

College students represent a vulnerable group as they undergo multiple transitions, including:

- Academic transition (higher learning standards)
- Social transition (new peer groups and independence)
- Emotional transition (identity formation)
- Career transition (future planning and employability concerns)

According to the Transactional Model of Stress (Lazarus & Folkman), stress is not merely a stimulus or response but a dynamic interaction between the individual and the environment. Students who lack effective coping strategies experience higher psychological distress, which negatively affects academic engagement, motivation, and performance.

Need of the Study

In recent years, stress and mental health concerns among college students have increased significantly due to the growing demands of the academic environment and changing social conditions. The rising prevalence of anxiety, depression, and emotional distress among students highlights the urgency of addressing mental health issues at the higher education level. Increased academic competition, high performance expectations, and pressure to secure future employment have intensified stress levels among students. Additionally, the widespread use of digital technology has led to information overload, distractions, and reduced attention span, further contributing to psychological strain.

Many educational institutions still lack adequate mental health support systems, counselling services, and structured stress management programs. Unmanaged stress often results in negative outcomes such as absenteeism, poor academic performance, reduced concentration, and in severe cases, student dropout. Therefore, there is a critical need to study the level and sources of stress among college students and to identify effective coping and stress management strategies. Understanding these aspects will help institutions design appropriate interventions to enhance student resilience, academic success, and overall psychological well-being.

Statement of the Problem

Despite the availability of educational resources, many college students experience high levels of stress due to academic, personal, and career-related pressures. Inadequate stress management leads to psychological distress, reduced academic efficiency, and health problems. Hence, there is a need to systematically examine the sources, consequences, and coping mechanisms related to stress among college students.

Objectives of the Study

- To understand the physical, emotional, and behavioral consequences of stress.
- To analyse the coping strategies adopted by students.
- To provide recommendations for institutional stress management interventions.

Review of Literature

Thirumaleswari.T (2013) has expressed that “A Study on Job Stress among Employees of Software Industries in Chennai”. In the present context software industry has become one of the fastest growing industries in India. The reason for selecting the particularly software industry and the level of stress these employees face is comparatively higher than other employees.

Ramakrishna Ayyagari (2012) has attempted to measure “Impact of Information Overload and Task-Technology Fit on Techno-stress” and how it affects individual’s productivity. It was found that information overload increases techno-stress, task-technology fit could be utilized as an inhibitor of techno-stress and helps to reduce techno-stress. The results indicate that higher levels of task-technology fit lead to lower levels of techno-stress.

KeziahAkuomaAchuonye (2011) has investigated “Technophobia among Female Undergraduate Students: A Challenge to Attainment of the MDGs in Nigeria”. Lack of awareness, not having early exposure to computer, not giving more opportunities for reaching computer facilities at school and new technology increases these factors leads to technophobia among female undergraduates of science and Arts students. The findings indicated that technophobia does not affect the student choice of course but it affects their academic performance and knowledge base.

Isiakpona et.al (2011) has observed “The Impact of Techno-stress on Librarians: A Survey of Covenant University Library”. It was found that techno-stress affects librarians to an extent while carrying out their duties on a daily basis. Sitting positions, slow internet network among others are the main causes of techno-stress. The librarians keep pace with technological developments because the library environment will keep changing. It is very necessary to create awareness about techno-stress, its effects and possible ways to manage it. Proper training should be given to librarians on how to handle new technologies.

Ragu-Nathan T.S. et.al (2008) has examined “The Consequences of Techno- stress for End Users in Organizations: Conceptual Development and Empirical Validation”. It helps to identify the influence of techno-stress on their job satisfaction, commitment to the organization and intention to stay. The techno- stress creators (i.e., factors that create stress from the use of ICTs) and techno- stress inhibitors (i.e. Organizational mechanisms that reduce stress from the use of ICTs). The result showed that techno-stress creators decrease job satisfaction, leading to decreased organizational and continuance commitment, while techno-stress inhibitors increase job satisfaction and organizational and continuance commitment and to find that age, gender, education, and computer confidence influence techno-stress.

Research Methodology

The present study adopts a descriptive and analytical research design to examine the level of stress and the effectiveness of stress management practices among college students. The population for the study consists of undergraduate and postgraduate students from selected colleges. A sample of 200 respondents was selected using the convenience sampling technique. Primary data were collected through a structured questionnaire designed to measure students’ perceptions of stress and their coping mechanisms. The responses were recorded using a five-point Likert scale ranging from 1 (Strongly Disagree) to 5 (Strongly Agree).

The study focused on both independent and dependent variables. The independent variables include academic workload, examination pressure, financial problems, family expectations, and career uncertainty, while the dependent variables consist of stress level, health-related effects, academic performance, and the effectiveness of coping strategies. The collected data were analysed using appropriate statistical tools such as percentage analysis and ranking method to identify the intensity and priority of stress factors. This methodological approach helps in providing a comprehensive understanding of stress patterns among college students.

Results and Discussion

Table No. 1 Mean Score Analysis for Stress Consequences

Consequence	Mean Score	Rank
Sleep disturbance	4.32	1
Lack of concentration	4.10	2
Anxiety	3.95	3

Fatigue	3.80	4
Headache	3.65	5

Source: Primary Data

Sleep disturbance and reduced concentration are the most severe outcomes, indicating the cognitive and physiological impact of academic stress.

Table No. 2 Mean Score for Coping Strategies

Consequence	Mean Score	Rank
Talking with friends/family	4.05	1
Listening to music	3.90	2
Time management planning	3.75	3
Physical exercise	3.20	4
Meditation/Yoga	2.85	5

Source: Primary Data

Informal coping methods dominate, while structured stress management techniques are less practiced.

Conclusion

The study confirms that college students experience moderate to high levels of stress primarily due to academic and career-related pressures. Stress significantly affects students' cognitive functioning, emotional stability, and physical health. Although students adopt certain coping mechanisms, these are largely informal and insufficient for long-term stress management. Institutional intervention is essential to create a supportive academic environment and promote mental health awareness.

Recommendations

Effective stress management among college students requires coordinated efforts at the institutional, faculty, and individual levels. At the institutional level, colleges and universities should establish dedicated counseling and psychological support centers to provide professional mental health services. Regular stress management programs, mindfulness sessions, and awareness workshops should be conducted to help students understand and manage stress effectively. Institutions should also introduce life skills and emotional intelligence training as part of the curriculum to enhance students' coping abilities. Additionally, academic policies should be designed to reduce excessive workload by adopting flexible learning structures and balanced evaluation systems.

At the faculty level, teachers play a significant role in minimizing student stress. Faculty members should provide academic mentoring, guidance, and timely feedback to help students cope with academic challenges. Excessive assignments and frequent evaluations that increase pressure should be avoided. Instead, faculty should adopt interactive, supportive, and student-friendly teaching methods that encourage participation and reduce academic anxiety.

At the student level, individuals must actively adopt healthy stress management practices. Students should develop effective time management and goal-setting skills to balance academic and personal responsibilities. Engaging in regular physical activities, relaxation techniques such as

yoga or meditation, and maintaining healthy sleep patterns can significantly reduce stress. Students should also limit excessive use of digital devices and social media, which contribute to mental fatigue and distraction. Importantly, students experiencing severe or persistent stress should seek professional counseling and psychological support without hesitation.

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