

Development and Standardization of a Classroom Management Impact Scale for Higher Secondary Students

Jayakala M¹, Dr. Preeti Sharma²

¹Research Scholar, Department of Education, Mansarovar Global University, Sehore, Madhya Pradesh

²Supervisor, Department of Education, Mansarovar Global University, Sehore, Madhya Pradesh

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ABSTRACT

An accurate and trustworthy Classroom Management Impact Scale tailored to students in upper-level secondary schools is the primary focus of this research. Positive learning environments, improved academic achievement, and well-behaved students are all results of well-managed classrooms. The major goal was to develop a thorough instrument that assesses the multi-dimensional impacts of management strategies on students' participation in class, their conduct in class, and the general atmosphere of the classroom. The construction of the scale began with a comprehensive literature analysis. Next, important constructs such student autonomy, teacher control, and disciplinary tactics were identified. Finally, items for the scale were generated. The information was validated by experts to make sure it was clear and relevant. Its reliability (internal consistency and test-retest reliability) and validity (content, concept, and criterion-related) were then established by administering the scale to a representative sample of upper secondary pupils. The normative data given by the standardisation procedure allowed for more meaningful interpretation of scores. Evidence from this study suggests that the scale is a reliable tool for gauging how different forms of classroom management affect students' capacity to learn. In the end, this tool may help researchers, legislators, and teachers assess and improve classroom settings, which in turn improves student results and the efficacy of education at the secondary level.

Keywords: Classroom Management, Scale Development, Standardization, Student Engagement, Educational Assessment.

INTRODUCTION

Effective classroom management is an essential part of teaching since it has a direct impact on students' growth as individuals, as learners, and as future academic and professional leaders. Everything that teachers do to make the classroom a place where kids may learn in an atmosphere of safety, respect, and intrinsic motivation is a part of this. Effective classroom management is crucial for students' academic success and mental health, especially in upper secondary schools when kids are becoming maturity and confronting more academic and social demands (Abry, T., 2013). Managing a classroom at the secondary level is difficult for a number of reasons, including the wide range of student experiences and backgrounds, the need to meet individual students' learning styles, and the tension between enforcing rules and encouraging students' imagination and analysis. In order to keep the classroom a positive place for learning, teachers should be authoritative and approachable, consistent in enforcing regulations, and find constructive ways to deal with disruptive behaviours. It is frequently overlooked that knowing the effects of classroom management on pupils is just as important as the teacher's abilities when it comes to its success (Aslam, S., 2021).

Researchers have increasingly concentrated on creating instruments that quantify the effects of classroom management from the standpoint of the students, in response to the growing recognition of the necessity to assess this phenomenon. If we want to know how different management tactics affect students' motivation, engagement, stress levels, and connections with one another in class, we need a valid and accurate assessment scale. Teachers and lawmakers may use this information to create more personalised programs that boost morale in the classroom, lower attrition rates, and increase students' happiness and achievement in the classroom (Baxter, L., 2010). There is a noticeable lack of standardised tests developed for students in upper secondary schools that thoroughly evaluate the effects of classroom management, even though this aspect is widely recognised as important. Current resources are inadequate for dealing with the specific challenges posed by high school students' behaviour because they are either too broad in scope or only applicable to elementary and middle school settings. Also, these instruments could miss important details like how kids feel, how they interact with their classmates, and how they feel about the classroom's level of justice and respect. In order to fill this need, this research will create and standardise a Classroom Management Impact Scale (CMIS) specifically for students in high school (Beck, B. H., 2012).

Students' academic engagement, emotional environment, social connections, and perceived teacher effectiveness are some of the many aspects of classroom management that the CMIS aims to measure. The instrument is both culturally appropriate and grounded in solid research. In order to guarantee the reliability and validity of the scale, it undergoes a thorough process of item production, pilot testing, and psychometric validation (Elen, J., 2007). The importance of this study rests in the fact that it may provide teachers with useful student input that they can use to improve their management techniques and create more conducive learning environments. Schools may also use the CMIS as a diagnostic tool to keep tabs on classroom dynamics and provide instructors with individualised training. The measure recognizes the particular developmental stage and problems faced by upper secondary pupils by focusing exclusively on them (Freeman, J., 2018). There is a critical need in education for a standardised classroom management impact scale for pupils in high school. It provides a methodical way to evaluate and enhance classroom management techniques, creating settings that encourage students to achieve academically and develop holistically. By offering a trustworthy tool that connects theory with classroom reality at the crucial period of higher secondary education, this study's results will enhance educational research and practice.

Conceptual Framework of Classroom Management

Effective teaching and learning depend on well-managed classrooms. It entails a collection of intentional tactics used by educators to establish and maintain a controlled, ordered setting that encourages students to study and engage positively with one another. Beyond just keeping students in line, this idea encompasses establishing regular classroom routines, encouraging participation, and cultivating an environment where teachers and students may mutually support and appreciate one another (Good, T. L., & Brophy, J. E., 2003). Classroom management theory is based on a number of different schools of thought in psychology. Behavioural theories like Skinner's operant conditioning illustrate how students' activities may be influenced by the use of reinforcement and consequences. These strategies encourage appropriate behaviour and discourage disruptive acts. The importance of modelling and observing learning is emphasised in Bandura's social learning theory as well. In this approach, pupils mimic the actions of their professors and classmates (Johnson, D. D., 2005). Students' ability to regulate their own behaviour and create and achieve goals is central to cognitive theories' emphasis on motivation and self-regulation, which in turn emphasises the importance of student agency in the classroom. Theoretically, these ideas show that students are far more engaged, have less behavioural problems, and do better in school when the classroom is well-managed with clear expectations, consistent penalties, and helpful relationships (Hirsch, S. E., 2019).

Significance of Measuring Classroom Management Impact

If we want to know how different management strategies influence the academic and behavioural growth of our students, we need to measure the effects of classroom management. Teachers' pedagogical approaches, societal norms, and students' unique characteristics all have a role in shaping classroom dynamics (Hough, D. L., 2011). Consequently, various strategies for managing a classroom may be assessed using a standardised instrument, which might provide useful insights. Measuring the impact of management practices on vital aspects such as student motivation, attention, collaboration, and accomplishment is crucial for educators, school administrators, and researchers. Additionally, by identifying potential weak spots in classroom management, interventions may be fine-tuned to boost student happiness and school spirit (Hussain, I., 2022). It is especially important for students in upper secondary schools to comprehend the effects of classroom management because of the growing academic and social demands placed on them. The use of a valid and reliable scale allows for data-driven choices to be made, which in turn improves the quality of instruction and student support systems, leading to a more favourable learning environment for everyone involved (Isa, M., 2024).

Theoretical Basis for Scale Development

In order to create a valid and reliable classroom management effect scale, it is essential to base the instrument on well-established ideas in psychology and education. The first step is to determine exactly what it is you want to measure with your scale (Kausar, F. N., 2022). Some examples of possible constructs include: the degree to which the teacher directs classroom activities; the level of student autonomy; disciplinary strategies; the quality of the classroom climate; and the quality of the interaction between teachers and students. An exhaustive literature analysis of previous research and current theoretical frameworks is used to produce items for the scale. After an item is created, it is validated by experts to make sure the material is clear and relevant (Marquez, B., 2016). The reliability and validity of the scale are evaluated using theoretical frameworks such as Item Response Theory (IRT) and Classical Test Theory (CTT). IRT looks at how individual items do across various levels of the characteristic being tested, while CTT focusses on overall test reliability and validity. Through the integration of these ideas, a strong instrument may be developed that accurately measures the multi-faceted effects of classroom management. This instrument will have practical and research-oriented uses (Mishra, G. R., 2006).

Standardization Process and Psychometric Properties

To ensure the instrument can be utilised consistently across diverse populations, standardisation is a vital element in the creation of any psychological scale. To ensure consistency in results, the Classroom Management Impact Scale was

administered to a large cross-section of students from a variety of backgrounds in high school (Popova, A., 2022). Normative data is established throughout this procedure, which aids in the meaningful interpretation of both individual and group scores. Several measures of reliability are considered in psychometric assessment. These include test-retest reliability (the stability of results over time) and internal consistency (the consistency with which the items measure the concept). To further ensure the correctness and usefulness of the scale, validity tests are carried out. These assessments include content validity, which examines the sufficiency of item coverage; construct validity, (Temli-Durmuş, Y. 2016), which measures the degree to which the scale measures theoretical components, and criterion-related validity, which correlates with external standards. To create a scale that accurately represents the intricacies of classroom management while also being culturally relevant and accommodating to the specific learning environments of students in higher education, a solid theoretical grasp of these measuring concepts is necessary (Rich, P. J., 2021).

Implications for Educational Practice And Research

Both classroom instruction and research stand to benefit greatly from the development of a standardised Classroom Management Impact Scale. It provides teachers with a realistic diagnostic tool for thinking critically about and improving their own classroom management practices. Using the results of the scale, politicians and school administrators may create more engaging classrooms, lessen behavioural issues, and better equip teachers to meet the needs of their students (Putra, R., 2024). Research studies examining the connections between classroom management and student outcomes including academic performance, emotional well-being, and social skills development may use the scale as a measurable metric. In addition, the scale helps teachers make decisions based on facts by connecting theoretical concepts of classroom management with real-world classroom dynamics. In the end, this helps achieve the main objective of creating educational settings that are positive, inclusive, and successful so that children in upper secondary may grow holistically (R Victor, Samson, & Srinivasan, V. 2015).

CONCLUSION

Educational evaluation methods have come a long way since the Classroom Management Impact Scale for students in upper secondary schools was developed and standardised (Zengin, E. 2021). This scale offers a strong way for educators to analyze the complex impacts of classroom management while also filling a critical need by focusing on the unique needs and experiences of senior secondary learners. Students' perspectives, emotional reactions, and involvement levels in relation to classroom management may be reliably and validly measured using this standardised scale in a variety of educational contexts. Educators and school leaders may learn more about the effects of management strategies on classroom dynamics and student achievement by using the CMIS. Overall educational effectiveness may be improved, student-teacher relationships can be strengthened, and specific techniques for improving instruction can be directed by this (Vairamidou, A., & Stravakou, P. 2019). In the end, the scale is a great tool for creating classrooms where students are motivated to study, where behavioural issues are minimized, and where academic achievement is promoted at a formative time in their lives.

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