An Innovative Pedagogy for Inclusive Learning

Shilpa Shri R D[1], Padmalatha D[2]

[1]Research Scholar, Department of Studies and Research in Education, Karnataka State Open University, Mysore 570006.
[2]Research Scholar, Department of Studies and Research in Education, Karnataka State Open University, Mysore 570006
Email: [1]smileeshri28@gmail.com, [2]padmaarun.d@gmail.com

Abstract— *To promote equitable learning for all students, innovative pedagogy for inclusive learning entails proactively implementing novel teaching ideas and methodologies to solve real-world issues and enhance academic outcomes. Developing accessible and stimulating learning settings that accommodate a range of needs and learning preferences, encouraging a feeling of community, and ensuring fair results for every student are the main goals of innovative pedagogies for inclusive learning. By redefining the roles of both students and instructors and utilizing innovative ways to lesson design and delivery, "innovation in pedagogy" refers to the integration of cutting-edge practices into educational processes. Implementing innovative teaching techniques and practices in the classroom to enhance student performance and tackle pressing issues to support equal learning. UDL stands for Universal Design for Learning. Instead of making accommodations after the fact, Universal Design for Learning (UDL) seeks to create learning experiences that are interesting and accessible for all students from the beginning. Integration of Technology. The inclusive teaching practices aim to create a warm, encouraging, and inclusive learning atmosphere. Being inclusive indicates that they are sensitive to the distinctions between individuals and groups. Innovative pedagogy for inclusive learning refers to teaching methods that actively engage all students, regardless of their abilities or learning styles, by creating a welcoming environment, offering diverse learning pathways, and utilizing flexible approaches to ensure everyone feels supported and can access the curriculum effectively; key strategies include Universal Design for Learning (UDL), differentiated instruction, collaborative learning, blended learning, and adaptive technologies.*

Keywords— *Innovative, pedagogy, integration, individualized, inclusive, cutting-edge.*

I. INTRODUCTION

Pedagogy is a method of transacting a theme or conducting an activity to make every learner learn in stress- free environment Innovation includes the use of cutting-edge teaching methods as well as an examination of how the teaching process is affected. Proactively integrating novel instructional techniques and methodologies into the classroom in order to enhance academic results and address real-world issues in order to foster fair learning is known as innovative pedagogy.

Innovative pedagogy for inclusive learning refers to using creative and adaptable teaching methods that actively engage all students, regardless of their abilities or learning styles, by creating a welcoming and supportive classroom environment that prioritizes accessibility and diverse needs; key strategies include differentiated instruction, collaborative learning, universal design for learning (UDL), technology integration, and fostering a culture of inclusivity.

II. REVIEW OF LITERATURE

Mummurthi K (2023) said that an Innovative Practices and Strategies in Inclusive Education. Teaching and learning processes undergo continuous evolution and enhancement over time. Classrooms and lecture halls have changed a lot in the last ten years or so. Similarly, they provide a distinctly contrasting experience for the participating kids.

Zabeen Hijri (2019) said that Diversity is a fact, inclusion in an act. Inclusive Pedagogy is defined by this guide as an instructional pedagogy concerned with making learning materials and teaching methods accessible to as many students as possible by considering a range of diverse student identities, including race, gender, sexuality, and abilities and centring these diverse identities in developing educational practices.

The Cambridge Centre for Teaching and Learning defines inclusive teaching as providing students with the means to prepare for a face-to-face session or other learning activity through supervision, lectures, or practice. This entails being clear with pupils about the reasoning behind your teaching style and the way you want them to learn, as well as making sure that your instruction respects diversity, steers clear of stereotypes, and offers a variety of viewpoints and voices. Inclusive teaching involves mainstreaming frequent requests for changes in learning, such as providing teaching materials ahead of time and in an accessible format, giving reading lists priority, and making sure that those lists contain a fair representation of sources. At the core of your instruction is inclusive pedagogy, which is essential for student success. From the Inclusive Pedagogy field of the Teaching Effectiveness Framework, the evidence-based techniques are derived as follows.

III. METHODOLOGY

The present research study involves investigations related to the innovative pedagogy for inclusive learning involves creating a student-centered, welcoming environment that caters to diverse needs, backgrounds, and learning styles, fostering engagement, and belonging for all students. We are employing a qualitative method to find out what kind of innovative pedagogy to be adopted for inclusive learning. This methodology is chosen as it allows for the collection of thematic, secondary data from review of literature generalization of the findings to research study.

Research design

In this qualitative research that aims to gather and analyse non-numerical data to gain an understanding of individuals' social reality, including understanding their innovative pedagogy and inclusive learning. Cross-sectional study- A design suitable for gathering information about current diverse needs, backgrounds, and learning styles, fostering engagement,

and belonging for all students. Perceptions and behaviours related to the research topic was opted for.

Key elements of innovative inclusive pedagogy:

Differentiated Instruction: Tailoring teaching methods and materials to meet individual student needs by providing various learning options like tiered assignments, flexible grouping, and multiple representations of information. It is a framework or philosophy for effective teaching that entails giving all students in their diverse classroom community of learners a variety of avenues for understanding new information (often in the same classroom) in terms of: obtaining content; processing, organizing, or comprehending concepts; and creating instructional resources and evaluation methods that enable all students in a classroom to learn successfully, regardless of their varied abilities. Differentiated instruction and assessment is also known as differentiated learning or, to put it simply, differentiation in education. To effectively reach every person, differentiated instruction entails utilizing various resources, subject matter, and due process. Carol Ann Tomlinson defines differentiated instruction as the process of "making sure that what a student learns, how he or she learns it, and how the student demonstrates what he or she has learned is a match for that student's readiness level, interests, and preferred mode of learning.
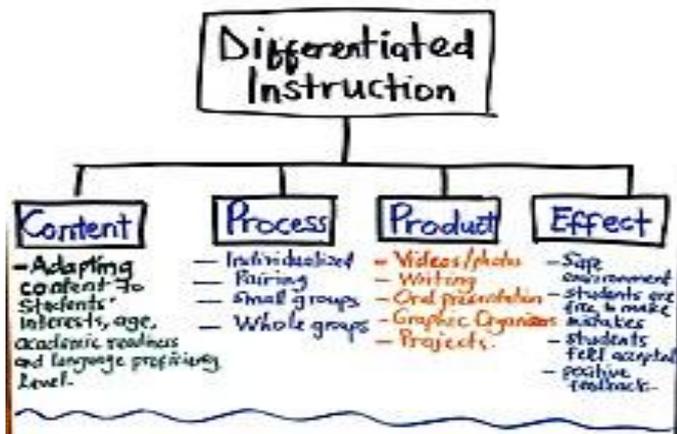

Figure 1. Differentiated Instruction

Proponents of the Sheltered Instruction Observation Protocol (SIOP) strongly encourage and direct instructors to differentiate instruction to English as a Second Language Learners (ELLs) with a variety of learning aptitude levels—beginning, intermediate, and advanced—when language is the distinguishing factor (Echevarria et al., 2017). Here, differentiated instruction will mean adapting a whole new instructional strategy that a teacher of a typical classroom of native speakers of English would not have a need to.

Universal Design for Learning (UDL): To accommodate varied learners, curricula and assessments should be designed with flexibility in mind, considering a variety of engagement, representation, action, and expression methods. A framework for education called Universal Design for Learning (UDL) aids in the creation of inclusive classrooms for students with various learning requirements. Cognitive neuroscience and learning theory research serve as the foundation for UDL.

How Does UDL operate?
• UDL assumes that environmental design, not student characteristics, is the source of learning obstacles.
• By giving students, a variety of opportunities to act, represent, and communicate what they know, UDL assists instructors in removing obstacles to learning.
• UDL assists teachers in designing adaptable classrooms that consider students' unique learning styles.

Principles of UDL
• Various representational methods: Display data in a variety of media, including text, audio, and video.
• A variety of ways to act and communicate: Give pupils a variety of methods to engage with the content and demonstrate their learning.
• Various engagement strategies: To inspire pupils, employ a range of instructional techniques.

How might UDL be implemented in the classroom?.

Establish clear learning objectives. Provide flexible classes; group students based on shared interests or learning strengths and weaknesses; and give prompts that alert students when it's time to seek assistance.

Encouraging students to collaborate in small groups to support one another, exchange ideas, and build upon a variety of viewpoints is known as collaborative learning. By posing open-ended questions, promoting inquiry and investigation, and letting students actively create knowledge, inquiry-based learning cultivates critical thinking.

• Project-Based Learning: Giving students practical assignments that call for them to use their knowledge and abilities from several academic fields, enabling a range of methods to problem solving.
• Flipped Classroom: Students watch lectures or watch videos online to learn new material at home, then use class time for discussions, interactive exercises, and knowledge application.
• Technology Integration: To improve accessibility and participation, assistive technologies such as digital whiteboards, screen readers, text-to-speech software, and online learning platforms are used. Creating a more inclusive learning environment by integrating students' cultural experiences and backgrounds into the curriculum is known as culturally responsive teaching. Techniques for promoting diversity.
• Positive Classroom Climate: Creating a polite, safe space where kids feel appreciated and encouraged. Active listening involves listening intently to every student's input and making sure theyall feel heard. Giving pupils positive and unambiguous criticism can help them see themareas of strength and growth.
• Reflection and Self-Awareness: Teachers actively examine their own prejudices and modify their methods to be more inclusive. By giving students options and chances for self-directed learning, student-cantered learning empowers them to take charge of their education.

Innovative inclusive practice examples include: Using manipulatives and visual aids: Including

Visual aids and hands-on activities can help students with varying learning styles. Offering various timelines and assessment options: Giving students the freedom to select the structure of their tests according to their requirements. Students

with varying strengths are paired for peer tutoring and mentoring to enhance one another's learning. Putting differentiated grouping into practice: forming small groups according to the present comprehension and learning requirements of the pupils. The concept of inclusive teaching or inclusive learning is increasingly being deliberated in contemporary educational circles, mostly due to its many advantages. Given the heightened level of discourse, we deemed it beneficial to go further into the concept of inclusive teaching and provide educators with actionable steps to revolutionize their classrooms or lecture halls. Prior to delving into various tactics for fostering an inclusive educational environment that caters to pupils across all age cohorts, it is imperative to address a few fundamental yet crucial inquiries. Considering each person's particular needs and encouraging their active participation and cooperative success are key components of an inclusive educational approach. The statement recognizes each child's capacity for information acquisition as well as their own traits, passions, skills, and educational requirements. It is essential that all students receive the same respect and consideration. Numerous opportunities should be given to students so they can reach their full potential. In their contacts with students and in their assessment of tests, educators must determine whether there are any barriers, constraints, or limitations preventing students from engaging, finishing assignments, and learning. Additionally, teachers can review the source materials to ensure inclusivity and self-evaluation to remove any bias from their teaching style. As a result, teachers need to think carefully about how they engage with students and grade tests. Furthermore, students ought to assess the variety of writers and sources from which Students consider a variety of perspectives, ethnicities, races, and other pertinent elements when they read and consume literature. A thorough and all-encompassing approach, inclusive teaching has a significant impact on both teachers' lesson planning and students' learning. a thorough educational system that considers every student, regardless of their identities, needs, or talents, and promotes a welcoming and encouraging learning atmosphere.

IV. RESULTS AND DISCUSSIONS

When this topic is examined more closely, it becomes clear that many inclusive classrooms share certain common characteristics. For example, inclusive classrooms have the following traits:

- Creating a welcoming and open environment; fostering a sense of community among students; guaranteeing psychological safety for all students; encouraging active listening; actively addressing and combating biases; and placing a high priority on maintaining and boosting student motivation. In this case, we must consider several factors. It would seem that making use of all these features would need a significant time and effort commitment. This is true. Nonetheless, it is crucial to keep in mind that major accomplishments necessitate effort, and the numerous benefits connected with this endeavor make it worthwhile. Creating a safe and welcoming environment, using differentiated instruction, incorporating diverse learning

materials, encouraging collaboration, using technology to support individual needs, encouraging active learning, using project-based learning, and applying Universal Design for Learning (UDL) principles to accommodate different learning styles and abilities are examples of innovative practices in inclusive education. There's a growing emphasis on inclusive teaching practices that cater to diverse learners and create a more equitable learning environment.

V. CONCLUSION

Innovative pedagogoy for inclusive learning, this means making sure that all children at all academic levels may benefit from the instruction and educational program, school buildings, classrooms, recreational areas, transportation, and restrooms. The practice of teaching all children in the same educational institutions, regardless of their talents or disabilities is known as inclusive education. Establish a Creative, Inclusive Learning Environment by using a variety of techniques, educators everywhere can improve the inclusion of their lecture hall or classroom. It is necessary to look at the characteristics of inclusive teaching and the countless advantages that teachers who fully embrace this approach will surely experience, in addition to providing examples and methods for accomplishing this. Create a safe learning environment. Include a range of educational materials. Consider each student's unique needs. Ascertain that every student has the resources necessary to engage fully. Develop a closer relationship with each learner.

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