

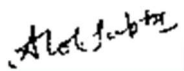
" LED Digital Device for Mathematics Learning Designed for Individuals With Learning Disabilities"

Abstract

The invention pertains to a LED Digital Device for Mathematics Learning designed to enhance the practical learning experience of individuals with learning disabilities or visual impairments.

The device integrates LED technology, audio feedback, and interactive mathematical operations to provide a tactile and visual learning experience. It facilitates a hands-on approach to mathematics, allowing users to interact with numbers and operations in a dynamic and engaging way. The device aims to improve mathematical comprehension, retention, and problem-solving skills through a user-friendly and adaptable interface.

Utilizing microcontroller technology, this device features a synchronized sheet with mechanical gears that audibly presents the content upon pressing a button. The interactive and engaging design aims to address gaps in current teaching methods by providing a novel, tactile, and auditory learning tool that improves engagement and retention.



(Dr Alok Gupta).

IN/PA No.4384 (Digitally Signed)

Dated this ...23rdday of Sep..... 2024.