

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202511063290 A

(19) INDIA

(22) Date of filing of Application :03/07/2025

(43) Publication Date : 18/07/2025

(54) Title of the invention : A GESTURE-RESPONSIVE CODING PAD DEVICE FOR ACCESSIBILITY IN PROGRAMMING

(51) International classification :G06F0003010000, G06F0003044000, G06F0003034600, G06N0020000000, A63B0071060000

(86) International Application No :NA  
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

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(57) Abstract :

The present invention discloses a gesture-responsive coding pad device (100) that enables accessible programming using motion sensors (102), accelerometers (103), and a capacitive touch grid (104) to interpret user gestures. It includes a gesture-recognition module (105), haptic actuators (106), and LED indicators (107) for real-time feedback. An AI-assisted syntax engine (108) provides dynamic code suggestions, enhancing inclusivity, efficiency, and ease of programming for users with limited mobility.

No. of Pages : 15 No. of Claims : 5