

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202511063390 A

(19) INDIA

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

(43) Publication Date : 18/07/2025

(54) Title of the invention : A CODE-TO-VOICE CONVERSION DEVICE FOR HANDS-FREE PROGRAMMING

(51) International classification :G10L0015220000, G06F0003160000, H04M0003493000, G10L0013000000, G10L0021020800

(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

(71)Name of Applicant :

1)NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY

Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. PRASANNA KUMAR SINGH

Address of Applicant :Department of Electronics and Communication Engineering, Noida Institute of Engineering & Technology, Greater Noida. Greater Noida -----

(57) Abstract :

The present invention discloses a code-to-voice conversion device comprising a code input port (1), voice output module (2), microcontroller (3), syntax parser (4), speech synthesis unit (5), voice command recognition module (6), and interface controller (7). It transforms written programming code into real-time spoken output, facilitating hands-free programming, debugging, and code comprehension through structured auditory feedback and interactive voice control.

No. of Pages : 13 No. of Claims : 5