

Abstract:

Digital evolution has made various services and products available at everyone's fingertips and made human lives easier. It has become necessary for individuals with a passion to be a part of this digital evolution to learn how to write code, which is the basic literacy of the digital age. But writing code has become a privilege for students with prior knowledge of English. This project aims to remove this language barrier by teaching students to solve coding problems in their native language and to convert their logic to code. The paper presents a platform where students provide their logic to coding problems in their native language in plain text, which is then converted to python code using natural language processing techniques. The current platform can successfully identify and convert conditional statements in the Kannada language into python code. The next effort will be aimed at extending this to recognize loop statements and create a framework for a wide variety of languages.