

INNOVATIVE CODING LEARNING PLATFORM

*A project report submitted in partial fulfillment of the requirements for the award of
the Degree of*

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

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AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
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(Accredited by NAAC, UGC & NBA, AICTE)
MAKAVARAPALEM, NARSIPATNAM,
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(2020-2024)

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CERTIFICATE

This is to certify that the project entitled “INNOVATIVE CODING LEARNING PLATFORM” in partial fulfillment for the of degree of **Bachelor of Technology** in **COMPUTER SCIENCE AND ENGINEERING**, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MAKAVARPALEM, VISAKHAPATNAM is an bonafied work carried out by **V.ALEHYA (20811A05B2)**, **P.LAVANYA (20811A0581)**, **K.GOPICGHANDH (20811A05D0)**, **M.SAMPATH (21815A0517)**, **R.V.YESWANTH (20811A0588)** under the guidance and supervision during 2023-2024

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ABSTRACT

The project's goal is to create a cutting-edge coding education tool that transforms how people interact with languages like Python and JavaScript. The platform starts with a simple profile setup procedure that makes it easy to sign up and log in, allowing you to customise the learning process. The platform allows users to select their chosen language and difficulty level, from easy to high. It then dynamically generates questions that are tailored to each user's ability level, making sure they are challenged appropriately. User accessibility is further improved with a powerful search function that makes it easy to navigate and find specific questions or subjects. The presence of a compiler and test cases is essential to the platform's operation, enabling users to practise coding and instantly verify their ideas. With all of its features and user-focused design, it is designed to be user-friendly and interesting for students of all backgrounds and ability levels. This is an inventive coding learning platform that aims to democratise programming education.