A CROSS-PLATFORM MOBILE APPLICATION TO DISPLAY THE IMPORTANT FEATURES OF YAMAHA BIKES

A PROJECT REPORT

Submitted by,

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Under the guidance of,

Mr. RAMAMURTHY KETHA

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING (BLOCK CHAIN)

At

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

PRESIDENCY UNIVERSITY

BENGALURU

JANUARY 2025

PRESIDENCY UNIVERSITY

SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Project report **"A CROSS-PLATFORM MOBILE APPLICATION TO DISPLAY THE IMPORTANT FEATURES OF YAMAHA BIKES"** being submitted by "**Govind Chaudhary, Yash Singh, Amith Gowda M, Shoaib Abdulla Khaji**" bearing roll number(s) "**20211CBC0006, 20211CBC0029, 20211CBC0048, 20221LBC0003**" in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering (Block Chain) is a bonafide work carried out under my supervision.

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DECLARATION

We hereby declare that the work, which is being presented in the project report entitled **PSCS218 - A CROSS-PLATFORM MOBILE APPLICATION TO DISPLAY THE IMPORTANT FEATURES OF YAMAHA BIKES** in partial fulfillment for the award of Degree of **Bachelor of Technology in Computer Science and Engineering (Block Chain)**, is a record of our own investigations carried under the guidance of **Mr. Ramamurthy Ketha, Assistant Professor, School of Computer Science and Engineering , Presidency University, Bengaluru.**

We have not submitted the matter presented in this report anywhere for the award of any other Degree.

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ABSTRACT

Augmented Reality (AR) is revolutionizing user experiences across industries, and this project, Ride Realm, integrates AR technology into the automotive sector to redefine how users interact with Yamaha bikes and scooters. The application employs cutting- edge technologies like Google ARCore and Vuforia to allow users to visualize and interact with 3D models of Yamaha vehicles in real-world environments. Key features include an AR-based catalog for product exploration, integration with the Unity engine for enhanced QR-based AR experiences, and seamless navigation to detailed product specifications via WebView.

Optimized for performance with cloud rendering and designed for user-friendliness, Ride Realm bridges the gap between physical showrooms and digital platforms, enabling immersive and informative interactions with Yamaha's product range. The project underscores the transformative potential of AR in creating engaging, accessible, and innovative solutions for automotive enthusiasts.