



## G. Narayanamma Institute of Technology & Science (For Women) (Autonomous)

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Shaikpet, Hyderabad-500104

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE) <GN-R-18> (2022 - 2023) II B.Tech II Sem II Hobby Project

#### on "EDUARISE"

#### Abstract

3D learning is an innovative approach to education that uses three-dimensional technology to create immersive and interactive learning environments. The importance of 3D learning in education lies in its ability to enhance student engagement, understanding, and retention of complex concepts.

Our project aims to create an AR-based Android application and an AR book for high school students based on Marker Based Augmented Reality. We make a booklet for these concepts consisting of a related image. This AR app can be installed on smartphones and by scanning the image from the AR book we can see the 3D view of the scanned object. So, we can see the 360 degrees view object through this app on a smartphone.

Specifically, we are aiming at developing biology concepts in this AR Educational Tool. We cover the topics such as the heart, kidney, and brain, blood circulation in the human body, the structure of the eye, etc.

#### H/w Requirements:

Processor: Intel core i5

RAM:8GB/16GB,512 GB SSD

S/W Requirements: Unity, C#

OS: Windows/Android OS

Development Tool: Android Studio 2022 version.

\*Dept R&D: Yes

\* If No: GNITS



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