

# Project Title

Currency Converter

## Project Authors

Samba Siva Sai D 20MIS1189

Arvinth Ram M 20MIS1085

## Project Description

Our application is a real-time currency converter that uses the conversion factor values from custom API and updates the currency values in real-time. The application currently supports back and forth conversions between various conversion systems including but not limited to USD, INR, JPN, GBP etc.

## Project Idea

We were considering different applications ideas and this currency converted using API was simple yet implementing most of our learnings in react native. We came up this idea to change currency values to different conversion system and developed the same. The application receives the conversion factor values from the API and reflects the converted the value in system of their choice.

## Learning outcomes of the Project

These are some of the components learned and implemented in this project are Context APIs, TouchableOpacity, Components, Encrypto (Icons) etc.

## UI Design

We used a simple Home Page that does the job. A colourful background with additional logo from the internet and icons imported Encrypto package. The user can select the Conversion system, say INR, and choose the system he wants. Currently, the application supports more than 10 systems including INR, USD, JPN, GBP etc. The application therefore only has two screens home screen and quote currency screen.

## Functionalities

The primary functionalities of the application is to convert currencies from one system to another system which it does based on the conversion factors values it gets from the API.

It also has the Reverse System button that also user to convert back and forth between two specific system easily.

The current version is restricted to conversion results between two currencies systems only. The conversion values between three or more system at a single time can be the future scope and future enhancement of the application.