**Intel College Excellence Program   
Project Synopsis**

**“Developing UI Interface for currency conversion”**

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**BACKGROUND**

Present days different Currencies emerged in different parts of world, Reflecting economy and political development of each region. With the raise of international trade and commerce, the need for standardized system of currency conversion become increasingly important. This system was eventually abandoned due to the difficulties of maintaining a fixed exchange rate in a rapidly changing global economy.

**PROBLEM IDENTIFICATION**

The difficulty in finding the best exchange rate and avoiding the hidden fees and commissions when converting currencies. This can be particularly challenging for individuals and businesses who are not familiar with the local currency regulations in a foreign country.

**PROPOSED SOLUTION**

To resolve the above problem we have few ideas,

1. Use online Services: online exchange services can offer competitive rates and lower fees compared with traditions banks or exchange offices. However, it’s important to research the reputation and security of these services before using them.

2. Before converting currencies, it’s also important to research the exchange rates from multiple sources to ensure you are getting a fair rate.

3. Exchange fluctuate rapidly, so it’s important to plan ahead and avoid last-minute currency conversions whenever possible.

**SOFWARE REQUIREMENTS**

*If we want to implement or create a device then we required these Hardware*

*1.mobile device.*

*1.python language.*

2.accounting software.

3.security software.

**BLOCK DIAGRAM & DESCRIPTION**

*It is very useful when we shifted from one country to another country. It is also used in several ways like using mobile apps we can convert or using some hardware to convert the currency. Also gives the present currency rate. If this is on software it requires some addition security and some AI model to display the exchange rates. It is preferable to use python language to this project.*

Create a main window for the currency converter program using the Tkinter library. Create UI elements for inputting the source currency, target currency, and amount to convert, such as text boxes. Create a button to initiate the currency conversion process. When the button is clicked, retrieve the values of the source currency, target currency, and amount to convert from the UI elements. Calculate the converted currency amount using the conversion rate and input amount. Display converted currency amount to the user in the UI, using a label.

**Start**

Creating a main window using Tkinter library

Creating UI elements for inputting the source currency, target currency, and amount to convert, such as text boxes.

Use If condition to check whether the user entered the amount and also source currency and target currency.

Show “Error” if the account is not entered.

Show “Error” if only one input is entered i.e.) either source or target currency.

Move to library if both inputs are mentioned and also amount.

Press Convert button, to get the required currency.

Use Clear button, to clear the data mentioned in the above.

**END**

**FUTURE SCOPE**

May be the world searching for the new kind of innovation, this is also be a new kind of technology to exchange the currency using your mobile phone through apps from your home, office etc.

**CONCLUSION**

This project is a need for those who want to convert their currency using simple application and also provides security to the users.

**REFERENCES**

*<* ***https://github.com/LikhithChava/Currency-\_Converter-.git****>*

**THANK YOU TO FICE**