

User Manual

1. Scope and Purpose:

This Product is software that helps decide whether a Loan should be provided to a particular individual, not based on the individual's data.

2. Stepwise Procedure:

- a. Download the Data file (train_dataset.csv), Jupyter notebook file (.ipynb file) and 2 images (Yes.jpg and No.jpg). Save all of them in the same directory as shown:-

<input type="checkbox"/>	User Interface Screenshots	6 hours ago	
<input type="checkbox"/>	ME781_Course_Project.ipynb	Running 16 minutes ago	160 kB
<input type="checkbox"/>	Graph.png	3 hours ago	18.2 kB
<input type="checkbox"/>	ME781 Project.pdf	2 hours ago	296 kB
<input type="checkbox"/>	No.jpg	17 minutes ago	158 kB
<input type="checkbox"/>	train_dataset.csv	10 days ago	38 kB
<input type="checkbox"/>	Yes.jpg	20 hours ago	22 kB

- b. Now open the .ipynb file using Jupyter Notebook and start running the cells until you reach the cell Shown below:-

```
In [*]: i1 = int(input("Applicant Income = "))
Applicant Income = 
```

- c. From this cell onwards, you need to Enter the details in the form asked. Once you have completed entering the data, the cells will look like this:-

```
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In [23]: i1 = int(input("Applicant Income = "))
Applicant Income = 120

In [24]: i2 = int(input("Co-Applicant Income = "))
Co-Applicant Income = 0

In [25]: i3 = int(input("Loan Amount = "))
Loan Amount = 150

In [26]: i4 = int(input("Loan Term = "))
Loan Term = 360

In [27]: i5 = int(input("Property Area (Enter 2 if 'Urban', 1 if 'Semi-Urban', 0 if 'Rural') = "))
Property Area (Enter 2 if 'Urban', 1 if 'Semi-Urban', 0 if 'Rural') = 0

In [28]: i6 = int(input("Married (Enter 1 if 'Yes', 0 if 'No') = "))
Married (Enter 1 if 'Yes', 0 if 'No') = 1

In [29]: i7 = int(input("Gender (Enter 1 if 'Male', 0 if 'Female') = "))
Gender (Enter 1 if 'Male', 0 if 'Female') = 1
```

- d. After entering all the data, you can run the remaining 2 cells, and the result will show up as “Approved” if the loan is Approved or “Not Approved” if the loan is not approved.


```
In [38]: result = grid.predict(df_test)
if result[0]==1:
    display(Image(url= "Yes.jpg", width=400, height=400))
else:
    display(Image(url= "No.jfif", width=400, height=400))
```



```
In [35]: result = grid.predict(df_test)
if result[0]==1:
    display(Image(url= "Yes.jpg", width=400, height=400))
else:
    display(Image(url= "No.jpg", width=400, height=400))
```



- e. Now once done, to check for other data, you should do the following:- Cell → All Output → Clear.

 jupyter ME781_Course_Project Last Checkpoint: 4 hours ago (autosaved)

File Edit View Insert **Cell** Kernel Widgets Help

Run Cells
Run Cells and Select Below
Run Cells and Insert Below
Run All
Run All Above
Run All Below
Cell Type
Current Outputs
All Output
Toggle
Toggle Scrolling
Clear
Clear the output of all cells

```
In [23]: i1 = int(input("Applicant Income = "))
Applicant Income = 15000

In [24]: i2 = int(input("Co-Aplicant Income = "))
Co-Aplicant Income = 15000

In [25]: i3 = int(input("Loan Amount = "))
Loan Amount = 15000

In [26]: i4 = int(input("Loan Term = "))
Loan Term = 360

In [27]: i5 = int(input("Property Area (Enter 0 if 'Urban', 1 if 'Semi Urban', 0 if 'Rural')"))
```