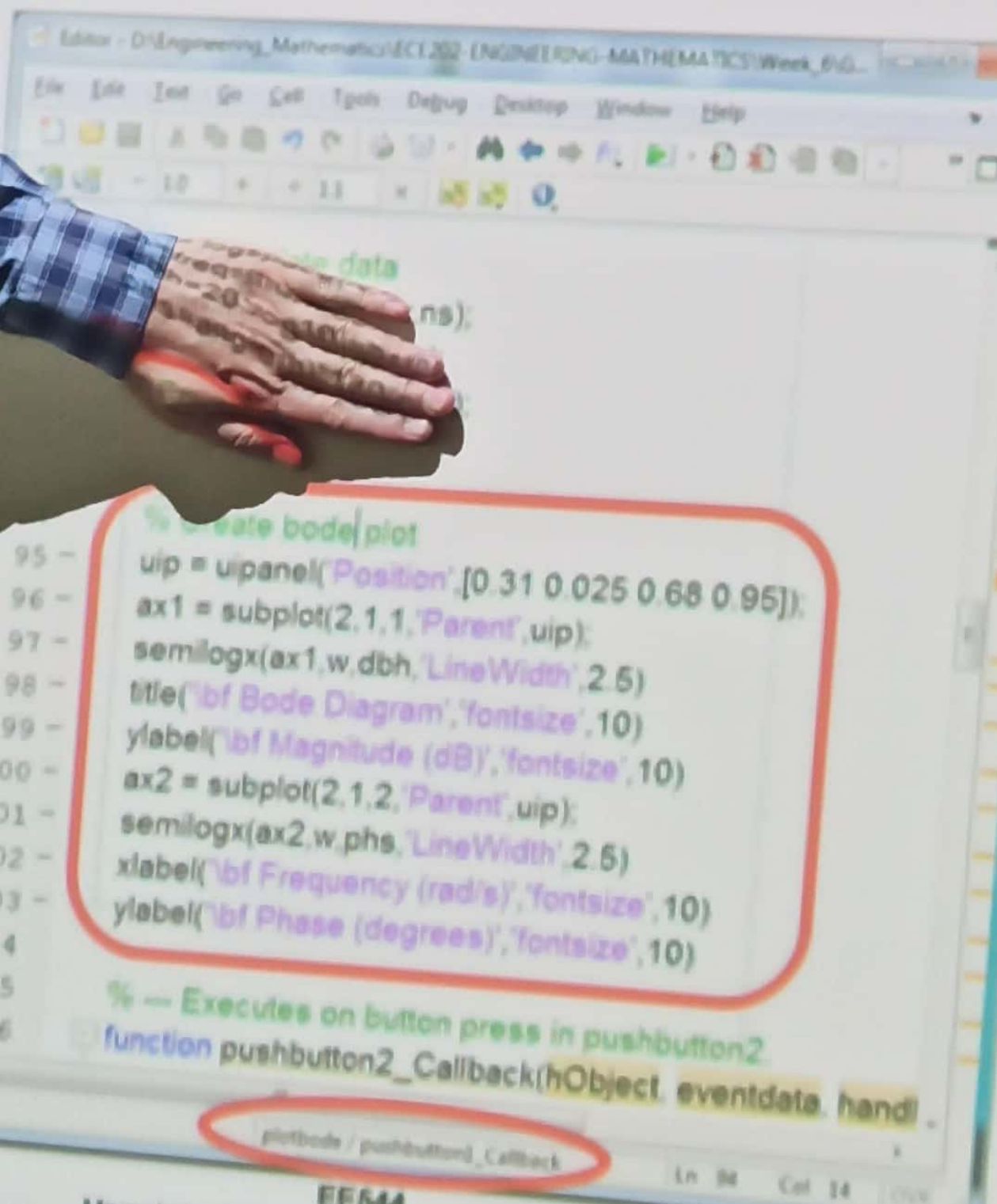


GRAPHICAL USER INTERFACES



GRAPHICAL USER INTERFACES

```
Editor - D:\Engineering_Mathematics\EC1202-ENGINEERING-MATHEMATICS\Week_04...
File Edit Insert Go Cell Tools Debug Desktop Window Help
[Icons] - 1.0 + - 1.1 [Icons]
75
76 % -- Executes on button press in pushbutton1.
77 function pushbutton1_Callback(hObject, eventdata, handles)
78 % hObject handle to pushbutton1 (see GCBO)
79 % eventdata reserved - to be defined in a future version
80 % handles structure with handles and user data (see GUI_Singleton)
81
82 - num=str2num(get(handles.edit1,'string'));
83 - den=str2num(get(handles.edit2,'string'));
84 - iv=str2num(get(handles.edit3,'string'));
85 - fv=str2num(get(handles.edit4,'string'));
86 - ns=str2num(get(handles.edit5,'string'));
87
88 % Calculate data
89 - w = logspace(iv,fv,ns);
90 - h=freqs(num,den,w);
91 - dbh=20*log10(abs(h));
92 - phs=angle(h)*180/pi;
93
94 % Create bode plot
```

GRAPHICAL USER INTERFACES

