

```

1 #Bar-plot-Example-02
2
3 import numpy as np
4 import matplotlib.pyplot as plt
5
6 # set width of bar
7 barWidth = 0.25
8 fig = plt.subplots(figsize =(12, 8))
9
10 # set height of bar
11 IT = [12, 30, 1, 8, 22]
12 ECE = [28, 6, 16, 5, 10]
13 CSE = [29, 3, 24, 25, 17]
14
15 # Set position of bar on X axis
16 br1 = np.arange(len(IT))
17 br2 = [x + barWidth for x in br1]
18 br3 = [x + barWidth for x in br2]
19
20 # Make the plot
21 plt.bar(br1, IT, color ='r', width = barWidth,edgecolor ='grey', label ='IT')
22 plt.bar(br2, ECE, color ='g', width = barWidth,edgecolor ='grey', label ='ECE')
23 plt.bar(br3, CSE, color ='b', width = barWidth,edgecolor ='grey', label ='CSE')
24
25 # Adding Xticks
26 plt.xlabel('Branch', fontweight ='bold', fontsize = 15)
27 plt.ylabel('Students passed', fontweight ='bold', fontsize = 15)
28 plt.xticks([r + barWidth for r in range(len(IT))],['2015', '2016', '2017', '2018',
  '2019'])
29
30 plt.legend()
31 plt.show()

```

