



No of Interns

125

Total No of College

100

Total Cities

46

Gender

All

KYC

All

Domain

All

City

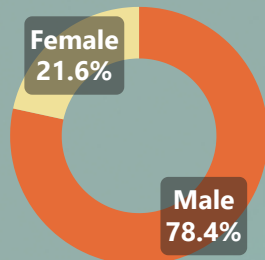
All



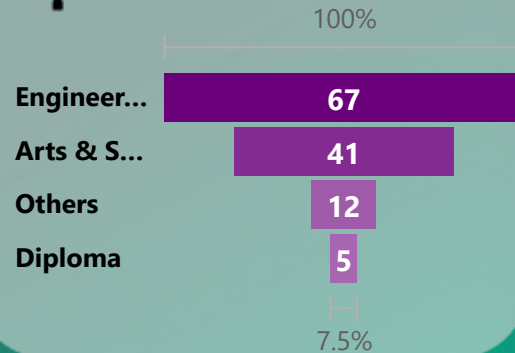
## Batch 2 Selected Candidates

Giriraju B

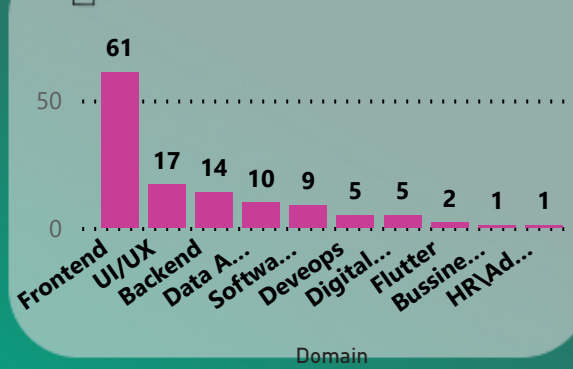
### Interns by Gender



### Interns by by Qualification



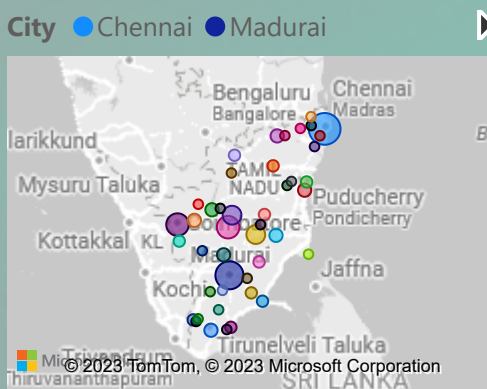
### Interns by by Domain



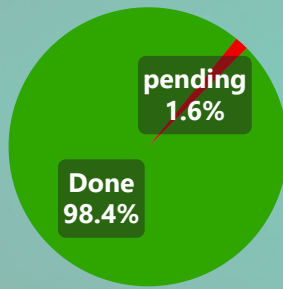
### Interns by Pass-out Year



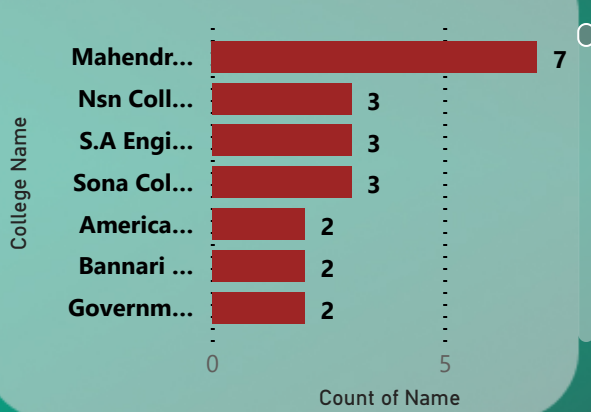
### Interns by City



### Interns by KYC Status



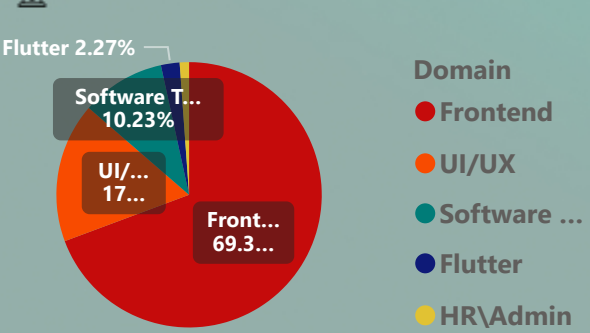
### Interns by College Name



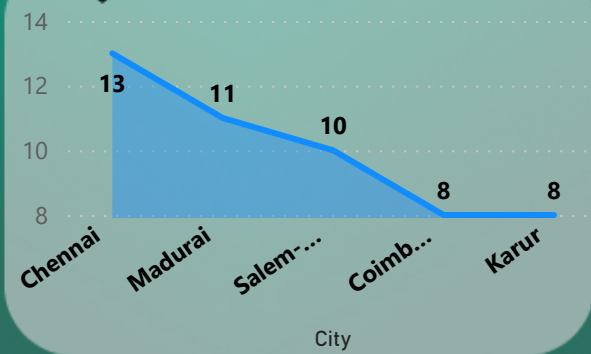
### Interns Top 5 Domains with Qualification

Frontend	UI/UX		Back...
	Engineeri...		Engine...
	Arts &...		Art...
	Data A...	Softw...	
	Ar...	En...	En...
Engineering 35		Arts & ...	

### Interns Top 5 KYC Done by Domain



### Interns' Top 5 Cities



### Intern Name

ABINAYA M

A ABDUL RAZAK

A.HARI GANESH

A.KARUPPASAMY

ABITHA.A

AJITH KUMAR P

### Domain Name

Backend

Bussiness Analyst

Data Analytics

Deveops

Digitalmarketing

Flutter

Out of 387 Applicants in BATCH 2 Senchola Internship, Only 125 Interns were active and so those ap

# Batch 2 Selected Candidates

Giriraju B 

Inactive Applicants

290

Inactive Applicants Name

A SANGAVI

A. ALLEN ALOSIYAS

A.PRABU

AAKASH M

AARTHI V

AASHIKA V S

AATHITHYAN. S

ABINAYA MANIVANNAN

ABIRAMI S

Active Applicants

97

Active Applicants Name

A ABDUL RAZAK

A.HARI GANESH

A.KARUPPASAMY

ABITHA.A

AJITH KUMAR P

ARAVINDHAN K

ARIVAZHAGAN

ASHRAF AKRAM N

BALA PRIYA

New Applicants  
after survey

28

New Applicants Name After Survey

ABINAYA M

ARUN PRASAD

B.DHANUSH

DHIVYA.L

IRSHATBANU

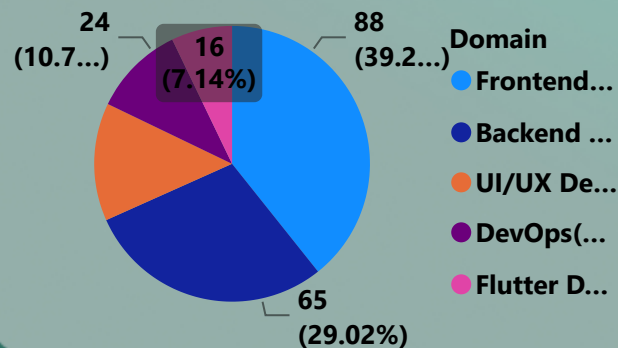
JACOB.V

JAGATHEESWARAN M

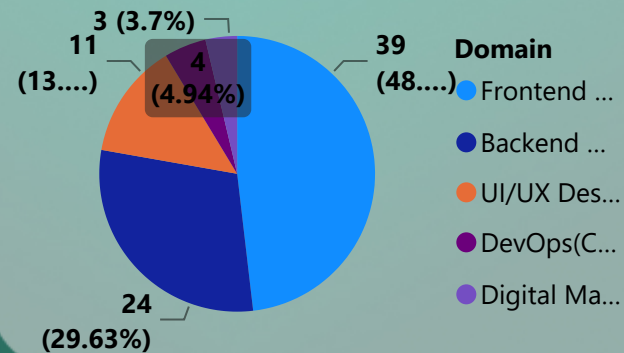
K.PRAVEEN KUMAR

KARTHIKEYAN R

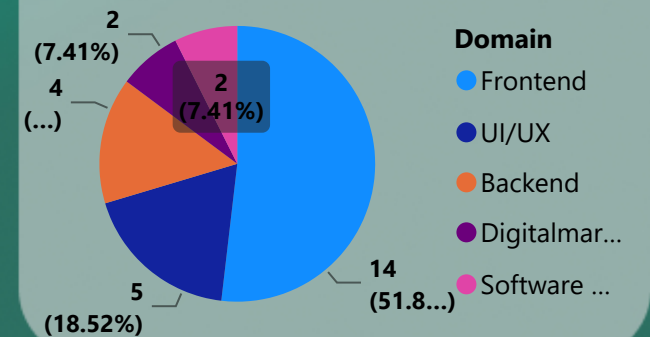
Top 5 Inactive Domain



Top 5 Active Domain



Top 5 Domain New Applicants



## Major Insights

1. A total of **125** interns were selected.
2. They are from **100** different colleges across **46** cities.
3. Among the selected interns, **98** are male and **27** are female.
4. **Engineering** is the most common qualification, with **67** interns, followed by arts and science.
5. The top three domains are **Frontend, UI/UX, and Backend**.
6. The highest pass-out year are **2023, 2022, and 2020**.
7. Among cities, **Chennai** has the highest number of selected interns with **13**, followed by **Madurai** and **Salem** with **11** and **10** respectively.
8. Only **two** interns have **pending** KYC, both of whom are from the **UI/UX** domain.
9. The highest number of interns come from **Mahendra Engineering College**, followed by **NSN College** and **SA Engineering College**.
10. The top five domains are **Frontend, UI/UX, Backend, Data Analytics, and Software Testing**.
11. Out of **387** applicants, only **97** were active. Additionally, **28** new interns joined after the survey process, resulting in a total of **125** selected interns.





## task-3-batch-2-selected-candidates

November 1, 2023

### Senchola Batch 2 Selected Details

Import Data from excel file

```
[ ]: import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt

[ ]: df=pd.read_excel('/content/Batch-2 Senchola form application -Data Cleaned.
↳xlsx')

[ ]: df.head()
```

```
[ ]:
```

	Name	Gender	Qualification	Pass-out Year	City \
0	PRAGATHEESHWARAN K	Female	Engineering	2021	Chennai
1	S.KARTHICK	Male	Engineering	2022	Uthukottai
2	R VIGNESH	Male	Arts & Science	2023	Karaikudi
3	S PAVITHRA	Female	Arts & Science	2023	Madurai
4	KARUPPASAMY A	Male	Arts & Science	2023	Madurai

	KYC	Domain	College Name
0	Done	Software Testing	Aarupadi Veedu Institute Of Technology
1	Done	Software Testing	Adhiparasakthi Engineering College
2	Done	Backend	Alagappa Govt Arts College Karaikudi
3	pending	UI/UX	American College
4	Done	Frontend	American College

```
[ ]: df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 125 entries, 0 to 124
Data columns (total 8 columns):
#   Column                Non-Null Count  Dtype
---  -
0   Name                  125 non-null   object
1   Gender                125 non-null   object
2   Qualification         125 non-null   object
3   Pass-out Year         125 non-null   object
```

```

4   City          125 non-null   object
5   KYC           125 non-null   object
6   Domain        125 non-null   object
7   College Name  125 non-null   object
dtypes: object(8)
memory usage: 7.9+ KB

```

```
[ ]: df.isnull().sum()
```

```

[ ]: Name          0
     Gender        0
     Qualification  0
     Pass-out Year  0
     City          0
     KYC           0
     Domain        0
     College Name  0
     dtype: int64

```

```
[ ]: df.columns
```

```

[ ]: Index(['Name', 'Gender', 'Qualification', 'Pass-out Year', 'City', 'KYC',
           'Domain', 'College Name'],
           dtype='object')

```

## 0.1 Insights

### 1) Total Interns

```

[ ]: total_interns=df['Name'].count()
     print("Total number of Interns:" ,total_interns)

```

Total number of Interns: 125

### 2) Total College

```

[ ]: Total_colleges = df['College Name'].nunique()
     print("Total number of college:",Total_colleges)

```

Total number of college: 100

### 3) Total cities

```

[ ]: total_city=df['City'].nunique()
     print("Total number of cities:" ,total_city)

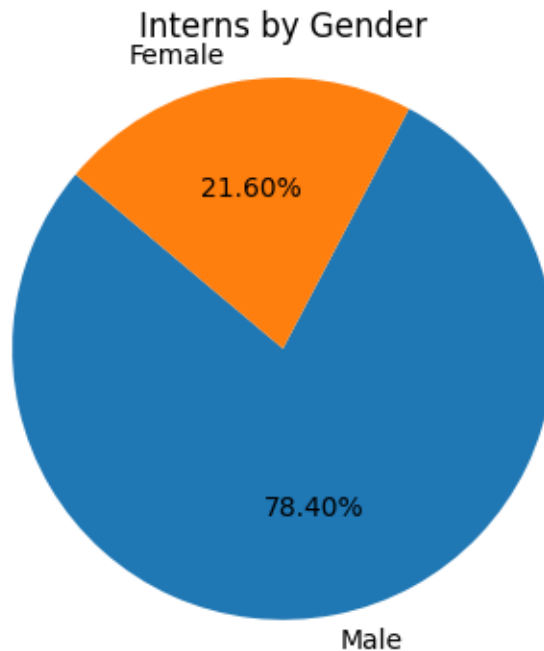
```

Total number of cities: 46

### 4) Interns by Gender

```
[ ]: gender_counts = df['Gender'].value_counts()

plt.figure(figsize=(4, 4))
plt.pie(gender_counts, labels=gender_counts.index, autopct='%1.2f%%',
        ↪startangle=140)
plt.title('Interns by Gender')
plt.axis('equal')
plt.show()
```



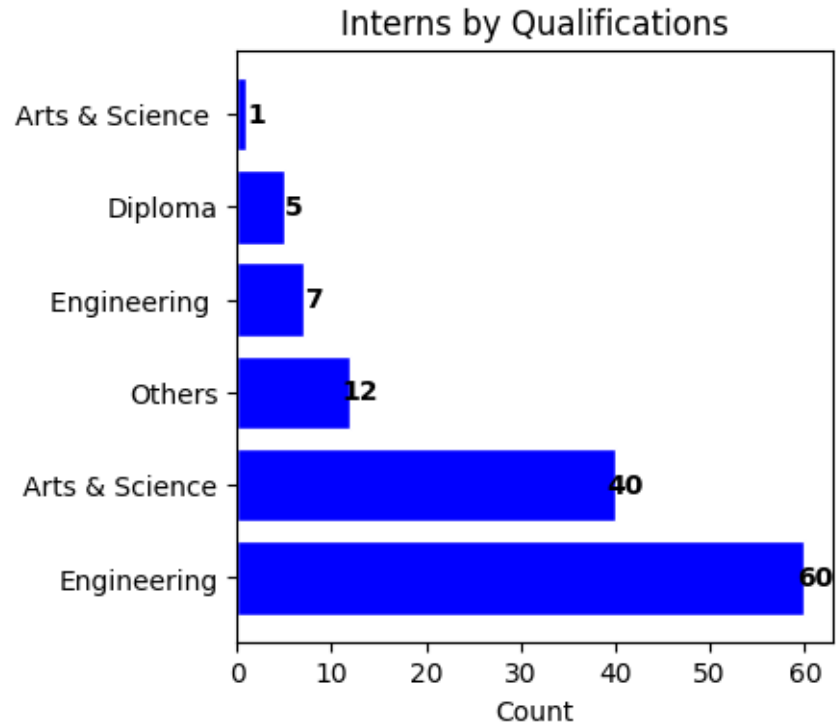
### 5) Interns by Qualification

```
[ ]: Intern_Qualification = df['Qualification'].value_counts()

levels = np.arange(len(Intern_Qualification))

fig, ax = plt.subplots(figsize=(4, 4))
for i in levels:
    plt.barh(levels[i], Intern_Qualification[i], color='blue',
            ↪edgecolor='white')
    plt.text(Intern_Qualification[i] + 1, levels[i],
            ↪str(Intern_Qualification[i]), ha='center', va='center', fontsize=10,
            ↪fontweight='bold', color='black')
```

```
plt.xticks(levels, Intern_Qualification.index)
plt.xlabel('Count')
plt.title('Interns by Qualifications')
plt.show()
```



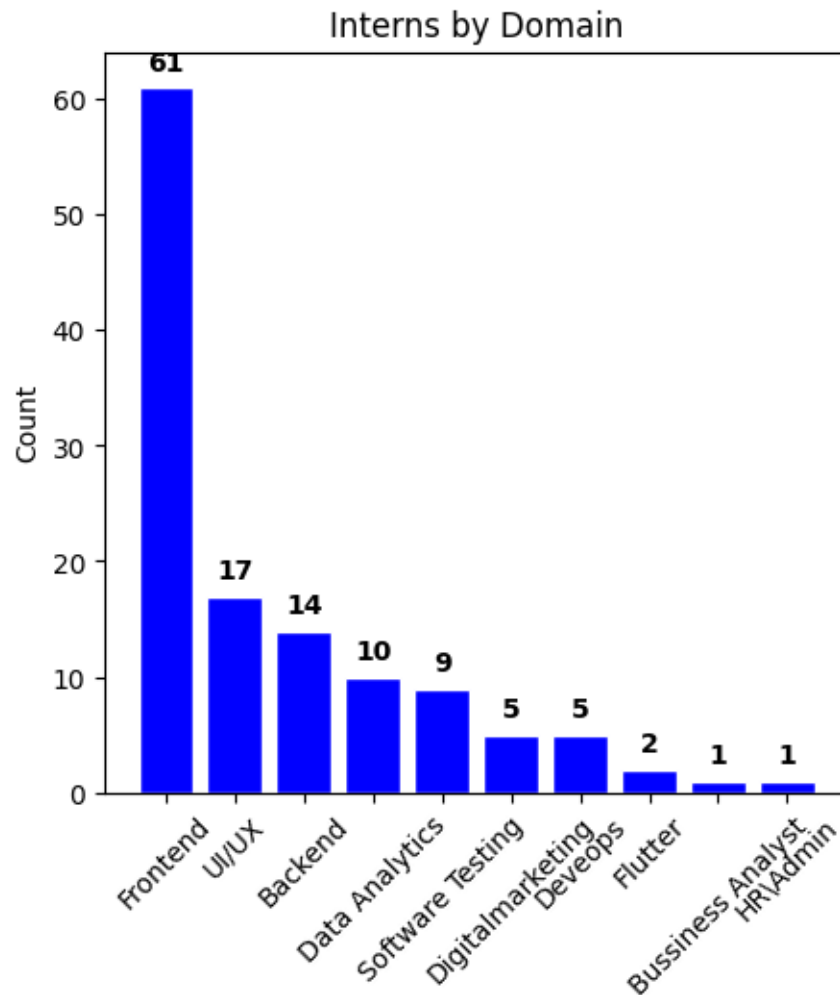
## 6) Interns by Domain

```
[ ]: Intern_Domain = df['Domain'].value_counts()
levels = np.arange(len(Intern_Domain))

fig, ax = plt.subplots(figsize=(5, 5))

for i in levels:
    plt.bar(levels[i], Intern_Domain[i], color='blue', edgecolor='white')
    plt.text(levels[i], Intern_Domain[i] + 1, str(Intern_Domain[i]),
             ha='center', va='bottom', fontsize=10, fontweight='bold', color='black')

plt.xticks(levels, Intern_Domain.index, rotation=45)
plt.ylabel('Count')
plt.title('Interns by Domain')
plt.show()
```



### 7) Interns by Pass-Out Year

```
[ ]: df['Pass-out Year'] = pd.to_numeric(df['Pass-out Year'], errors='coerce')
Intern_year = df['Pass-out Year'].value_counts().sort_index()

years = Intern_year.index
counts = Intern_year.values

fig, ax = plt.subplots(figsize=(5, 5))

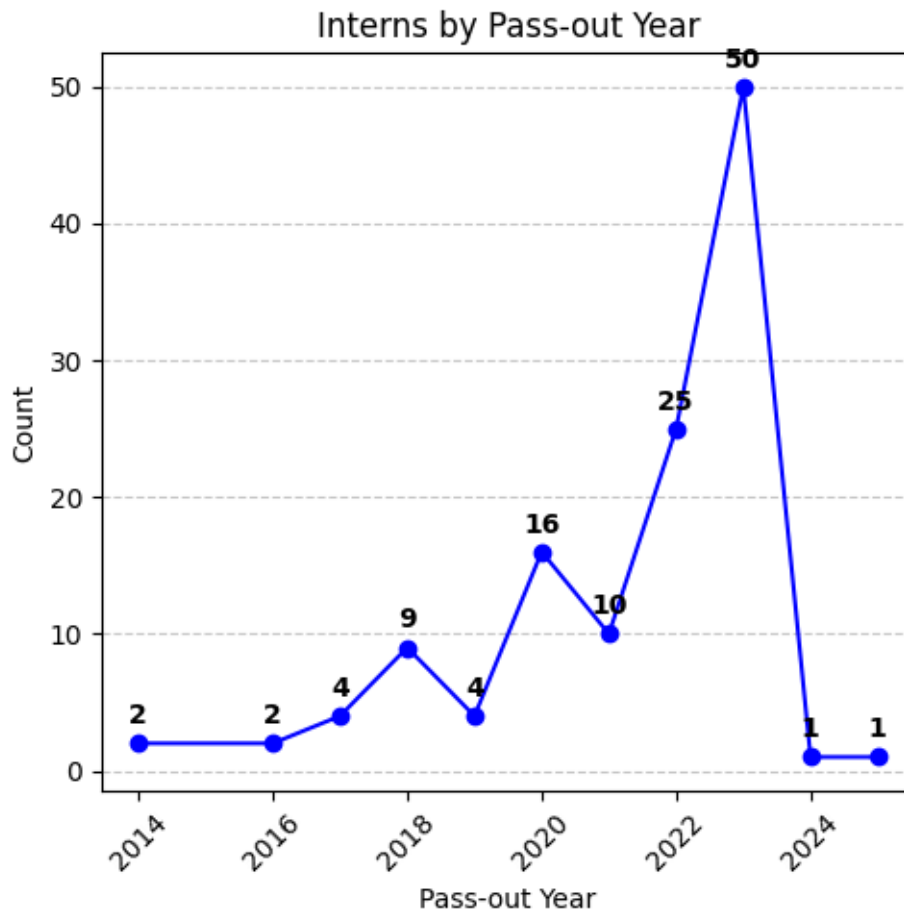
plt.plot(years, counts, marker='o', color='blue', linestyle='-')

for i, count in enumerate(counts):
    plt.text(years[i], count + 1, str(count), ha='center', va='bottom',
             ↪fontsize=10, fontweight='bold', color='black')
```



```
plt.xlabel('Pass-out Year')
plt.ylabel('Count')
plt.title('Interns by Pass-out Year')
plt.grid(True, axis='y', linestyle='--', alpha=0.7)
plt.xticks(rotation=45)
plt.tight_layout()

plt.show()
```



## 8) Interns by City

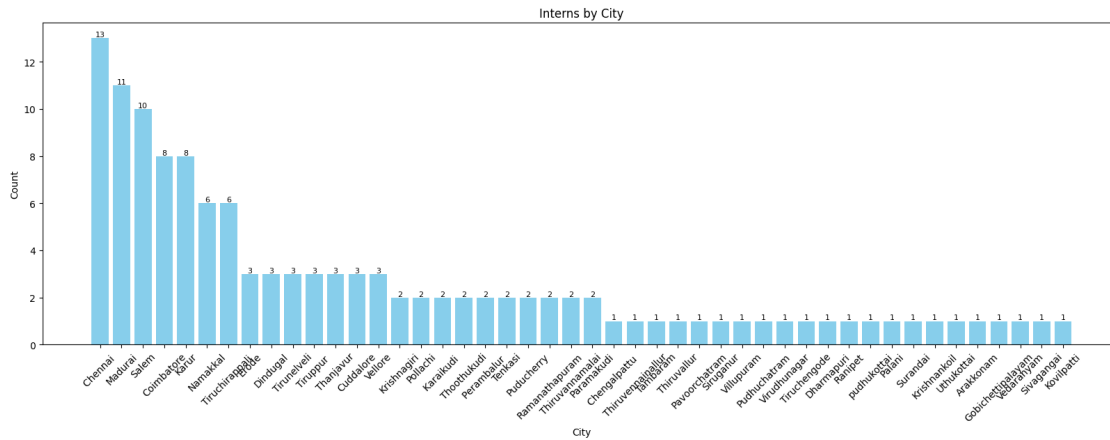
```
[ ]: Interns_by_City = df['City'].value_counts()

plt.figure(figsize=(20, 6))
bars = plt.bar(Interns_by_City.index, Interns_by_City.values, color='skyblue')
plt.xlabel('City')
plt.ylabel('Count')
plt.title('Interns by City')
```

```
plt.xticks(rotation=45)

for bar in bars:
    yval = bar.get_height()
    plt.text(bar.get_x() + bar.get_width()/2, yval, round(yval, 2),
             ha='center', va='bottom', color='black', fontsize=8)

plt.show()
```



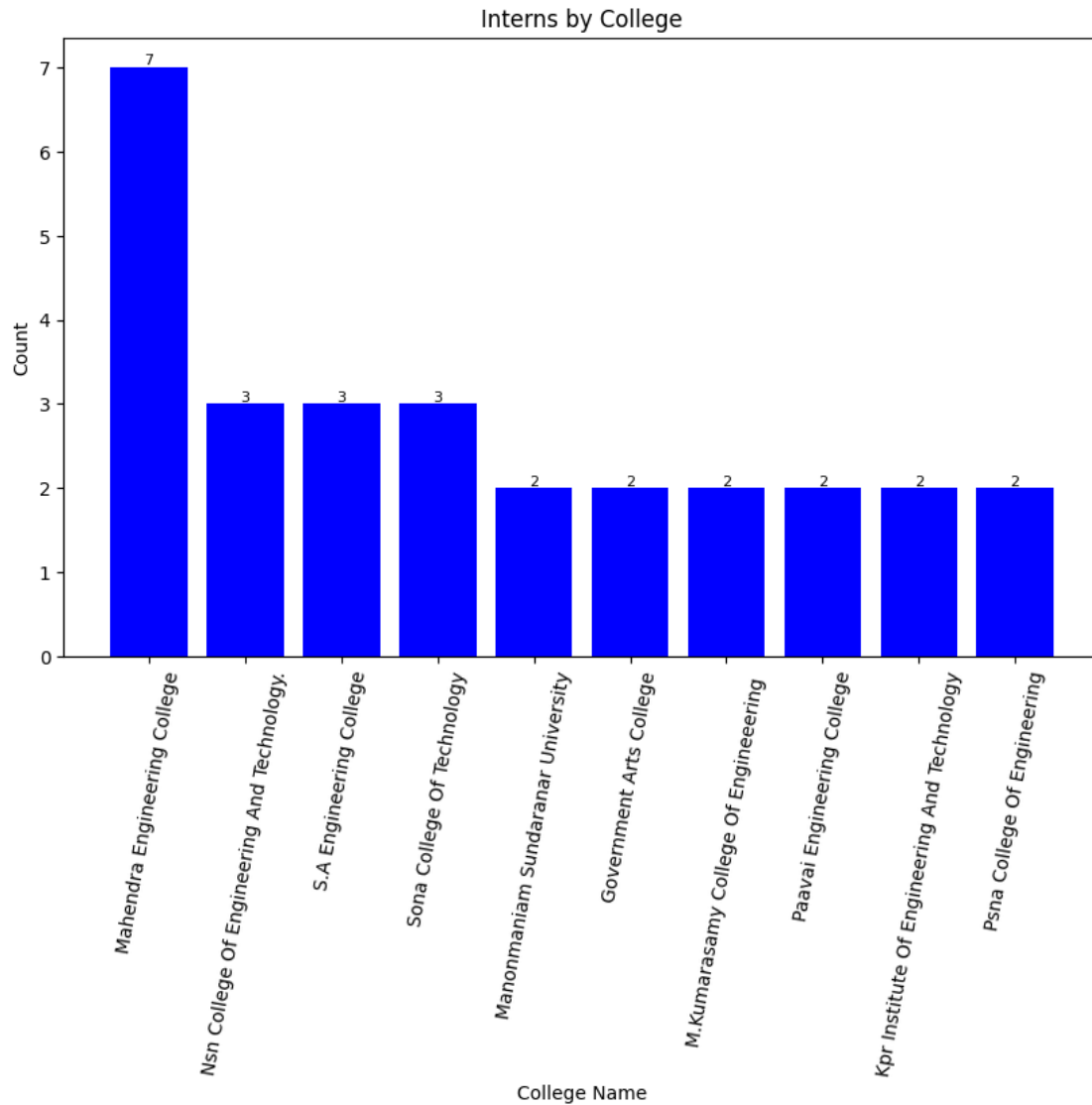
### 9) Interns by College

```
[ ]: Interns_by_College= df['College Name'].value_counts().nlargest(10)

plt.figure(figsize=(10, 6))
bars = plt.bar(Interns_by_College.index, Interns_by_College.values,
               color='blue')
plt.xlabel('College Name')
plt.ylabel('Count')
plt.title('Interns by College')
plt.xticks(rotation=80)

for bar in bars:
    yval = bar.get_height()
    plt.text(bar.get_x() + bar.get_width()/2, yval, round(yval, 2),
             ha='center', va='bottom', color='black', fontsize=8)

plt.show()
```



10) Interns by KYC status

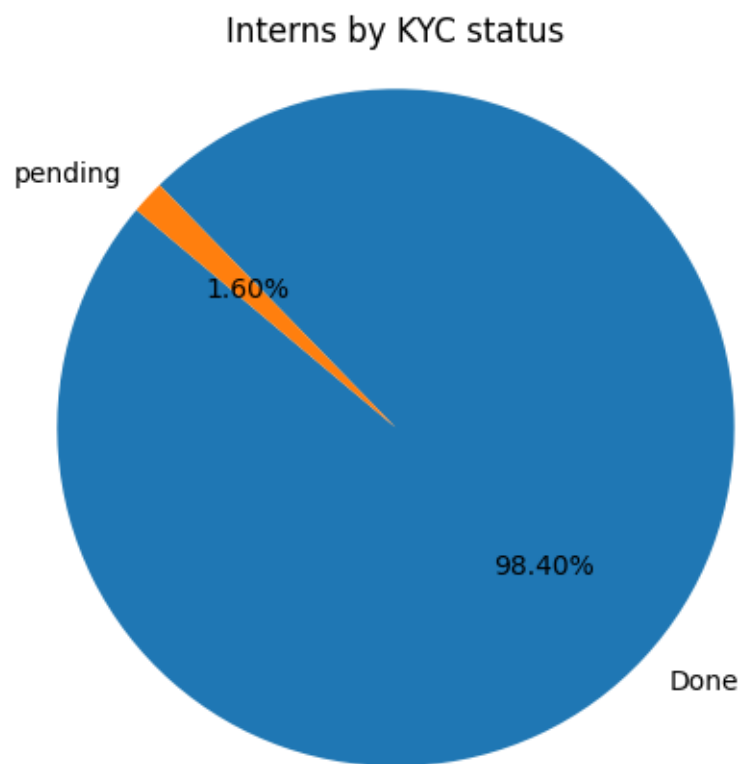
```
[ ]: KYC_counts = df['KYC'].value_counts()

if 'Done' in KYC_counts:
    KYC_counts['Done'] += KYC_counts.get('Done ', 0)
    KYC_counts = KYC_counts.drop('Done ', errors='ignore')

plt.figure(figsize=(5, 5))
plt.pie(KYC_counts, labels=KYC_counts.index, autopct='%1.2f%%', startangle=140)

plt.title('Interns by KYC status')
```

```
plt.axis('equal')  
plt.show()
```



**\*\*THANK YOU\*\***