Bangladesh Engineering University Teachers Information

Data Analysis & Data Visualization Using Python.

This Research Only for Educational Purpose. Core Objective to Know How to Collect Information, Analysis and Visualization Using Python Programming Language.

First Collect Bangladesh Public University Information from Wiki. Using Wiki link then collect university web-site link. Finally using university web-site collect Department Teacher Information.

◙ With Help of ◙

Python Web Scraping Technique — BeautifulSoup (For Collecting Data)
Python Data Analysis Library — Pandas & Numpy (For Analysis Data)
Python Data Visualization Library — Matplotlib & Seaborne (For Data Visualize)

◙ Bangladesh Engineering University List:

1. Bangladesh University of Engineering & Technology(BUET)
2. Chittagong University of Engineering & Technology(CUET)
3. Dhaka University of Engineering & Technology (DUET)
4. Rajshahi University of Engineering & Technology(RUET)
5. Khulna University of Engineering & Technology(KUET)

◙ University Web-Site List:

1. BUET → www.buet.ac.bd
2. CUET → www.cuet.ac.bd
3. DUET → www.duet.ac.bd
4. RUET → www.ruet.ac.bd
5. KUET → www.kuet.ac.bd (Not Available)

NB: Without **KUET** Information Because **KUET** Web Site Is Not Available.

◙ Department Name List:

■BUET: Total:18

-Department of Materials and Metallurgical Engineering	- Department of Water Resources Engineering
- Department of Glass and Ceramic Engineering	- Department of Mechanical Engineering
-Department of Chemistry	- Dept. of Naval Architecture and Marine Engineering
-Department of Mathematics	- Dept. of Industrial and Production Engineering
-Department of Physics	
-Dept. of Petroleum and Mineral Resources Engineering	- Department of Biomedical Engineering
- Department of Chemical Engineering	- Department of Computer Science and Engineering
- Department of Civil Engineering	

- Department of Electrical & Electronic Engineering
- Department of Architecture

- Department of Humanities
- Department of Urban and Regional Planning

■CUET: Total:15

-Civil Engineering
-Disaster & Environmental Engineering
-Civil & Water Resources Engineering
-Mechanical Engineering
-Petroleum & Mining Engineering
-Mechatronics & Industrial Engineering
-Electrical and Electronics Engineering
-Computer Science & Engineering

-Electronics & Telecommunication Eng.
-Architecture
-Urban & Regional Planning
-Humanities
-Physics
-Chemistry
-Mathematics

■DUET: Total:13

-Department of Civil Engineering
-Department of Architecture.
-Department of Electrical and Electronic Engineering
-Department of Computer Science and Engineering
-Department of Mechanical Engineering
-Department of Textile Engineering
-Department of Industrial & Production Engineering

-Department of Materials Science & Engineering
-Department of Chemistry
- Department of Mathematics
-Department of Physics
-Department of Humanities and Social Sciences
-Department of Food Engineering

■RUET: Total:17

--Dept. of Chemistry
--Dept. of Mathematics
--Dept. of Physics
--Dept. of Humanities
--Dept. of Electrical and Electronic Engineering
--Dept. of Computer Science & Engineering
--Department of Electrical and Computer Engineering
--Dept. of Electronics and Telecommunication Engineering

--Dept. of Civil Engineering
--Dept. of Architecture
--Dept. of Urban & Regional Planning
--Building Engineering & Construction Management
--Dept. of Industrial & Production Engineering
--Dept. of Glass and Ceramic Engineering
--Dept. of Mechatronics Engineering
--Materials Science & Engineering
--Dept. of Mechanical Engineering

BUET Teachers Information.

['T=Total', 'M= Male', 'F=Female']
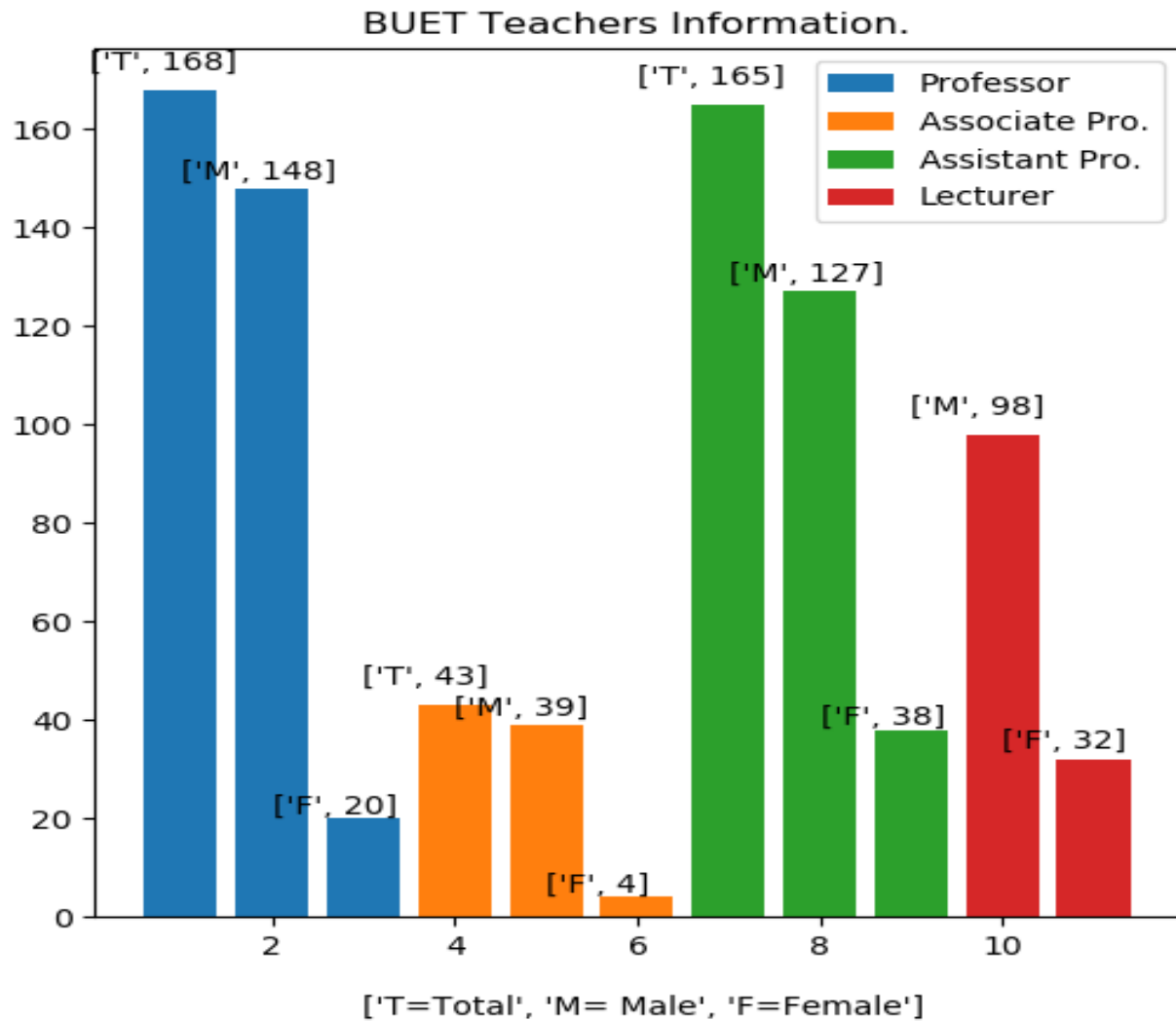
In BUET (Fig Above)

# of Professor =	168 (Total)	# of Assistant Professor =	165(Total)
Male Professor =	148	Male Assi. Pro. =	127
Female Professor =	20	Female Assi. Pro. =	38

# of Associate Professor =	43(Total)	# of Lecturer =	130(Total)
Male Asso. Pro. =	39	Male Lec. =	98
Female Asso. Pro. = 4		Female Lec. =	32

CUET Teachers Information.
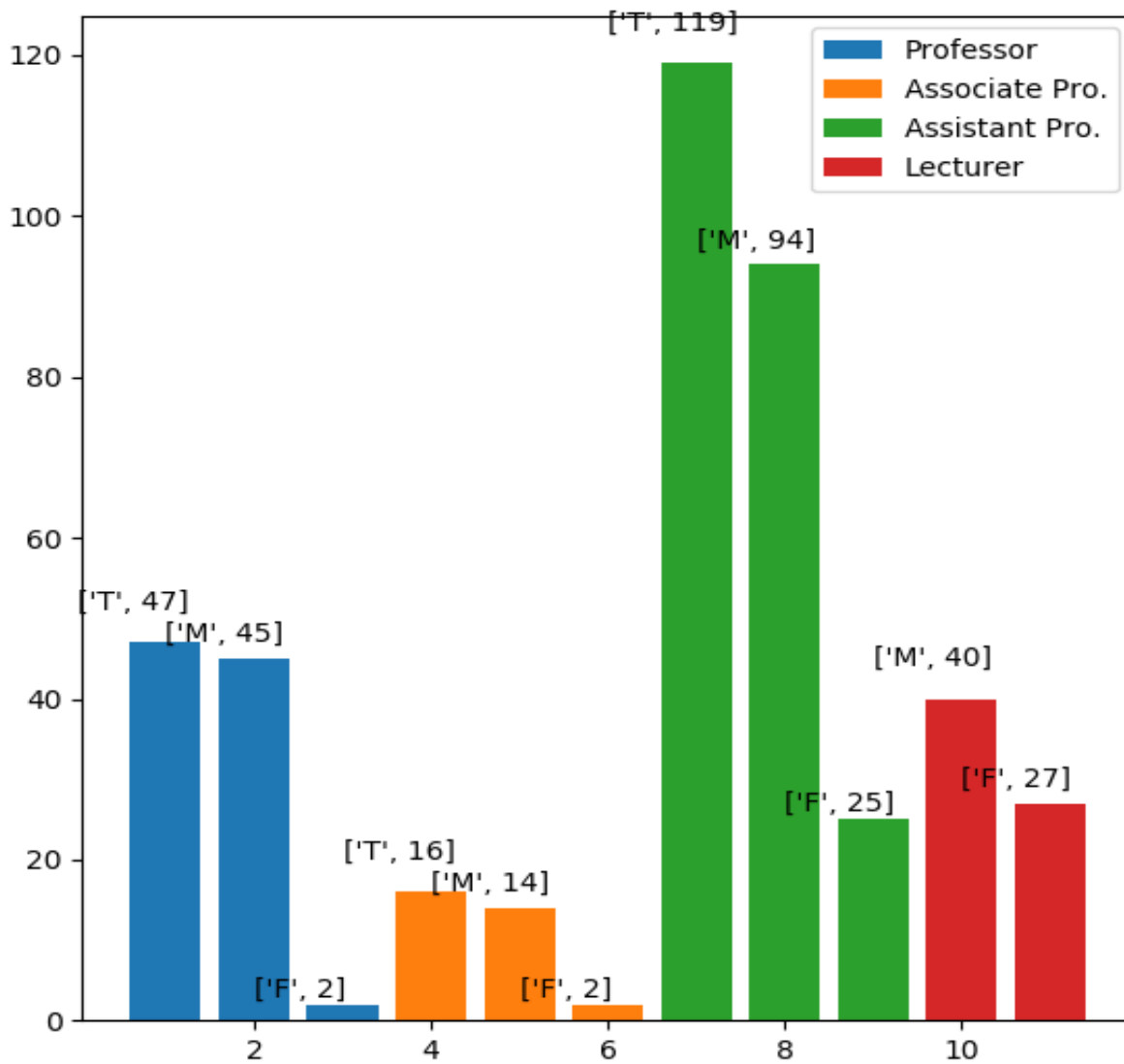
['T=Total', 'M= Male', 'F=Female']

In CUET (Fig Above)

# of Professor =	47 (Total)		# of Assistant Professor =	119(Total)	
Male Professor =	45		Male Assi. Pro. =	94	
Female Professor =	2		Female Assi. Pro. =	25	

# of Associate Professor =	16(Total)		# of Lecturer =	67(Total)	
Male Asso. Pro. =	14		Male Lec. =	40	
Female Asso. Pro. =	2		Female Lec. =	27	

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DUET Teachers Information.

Legend:
- Professor
- Associate Pro.
- Assistant Pro.
- Lecturer

['T', 102]
['M', 78]
['T', 55]
['M', 51]
['M', 48]
['F', 4]
['T', 14]
['M', 12]
['F', 24]
['F', 2]
['F', 7]
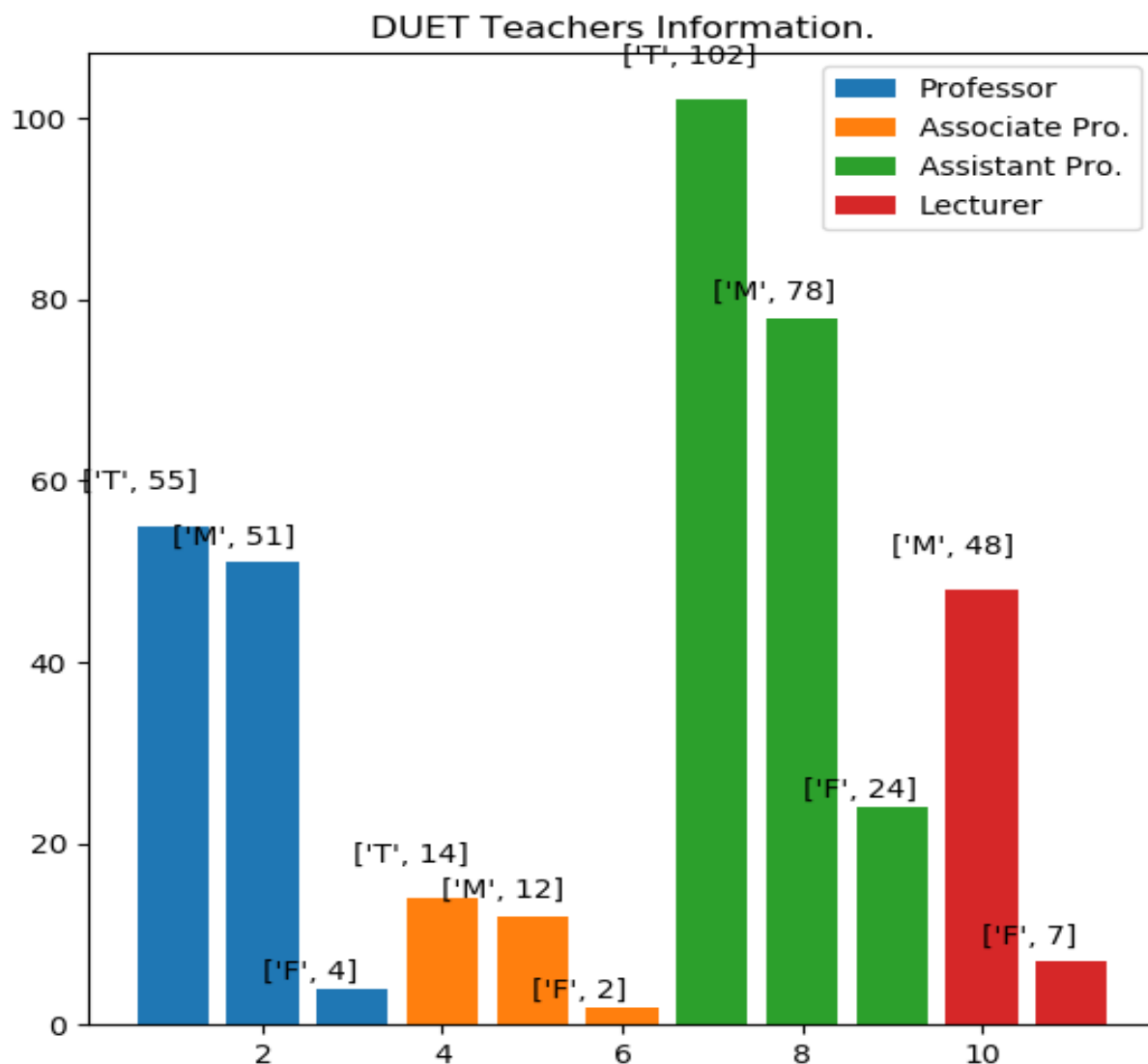
In DUET (Fig Above)

# of Professor =	55 (Total)	# of Assistant Professor =	102(Total)
Male Professor =	51	Male Assi. Pro. =	78
Female Professor =	4	Female Assi. Pro. =	24
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# of Associate Professor =	14(Total)	# of Lecturer =	55(Total)
Male Asso. Pro. =	12	Male Lec. =	48
Female Asso. Pro. =	2	Female Lec. =	7

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RUET Teachers Information.
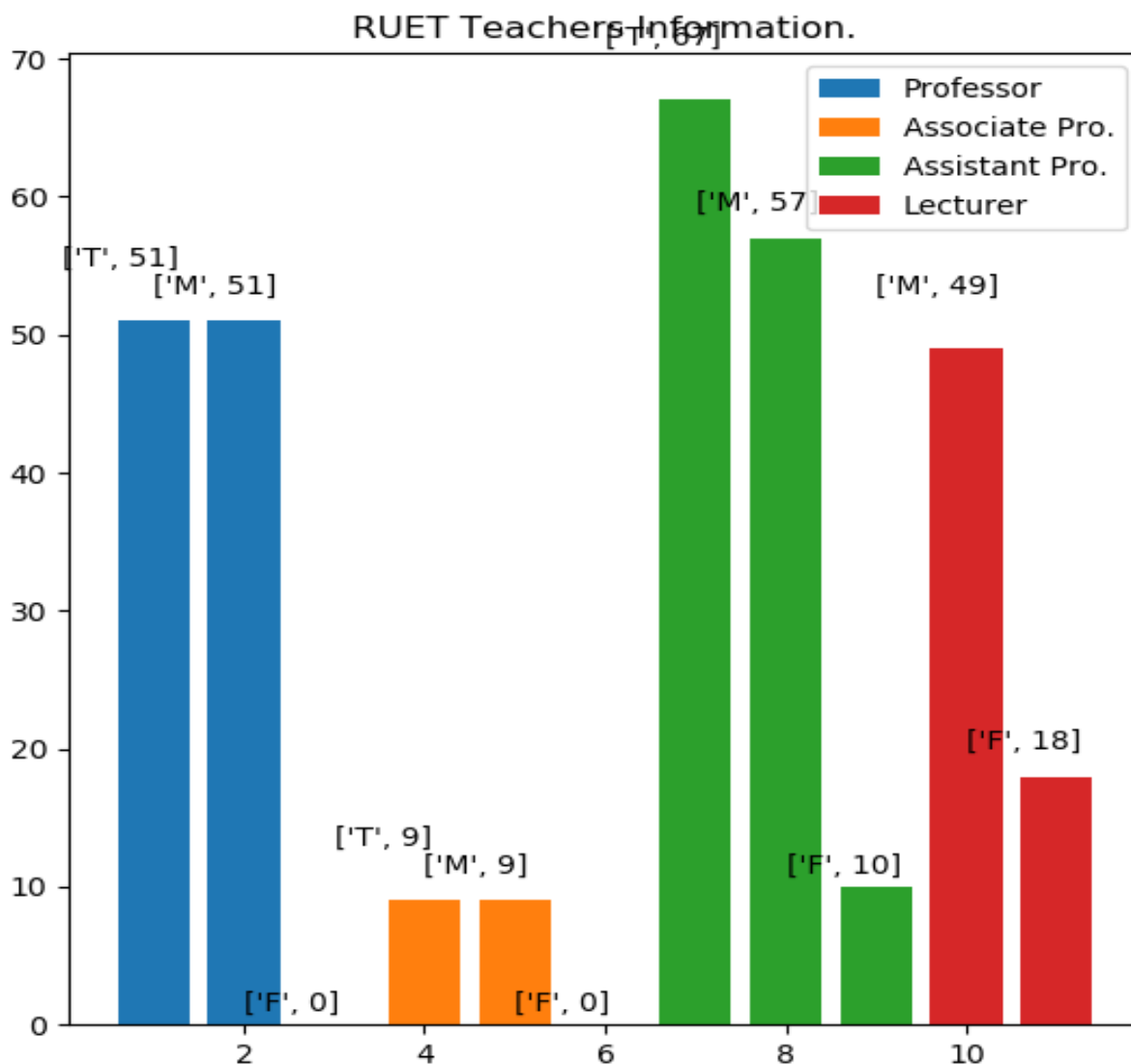
In RUET (Fig Above)

# of Professor =	51 (Total)		# of Assistant Professor =	67(Total)	
	Male Professor =	51		Male Assi. Pro. =	57
	Female Professor =	00		Female Assi. Pro. =	10

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# of Associate Professor =	9(Total)		# of Lecturer =	67(Total)	
	Male Asso. Pro. =	9		Male Lec. =	49
	Female Asso. Pro. =	00		Female Lec. =	18

Overall Information:

Comparing Teacher Between Those University

University	Professor	Associate Pro	Assistant Pro	Lecturer
BUET	168	43	165	130
CUET	47	16	119	67
DUET	55	14	102	55
RUET	51	9	67	67
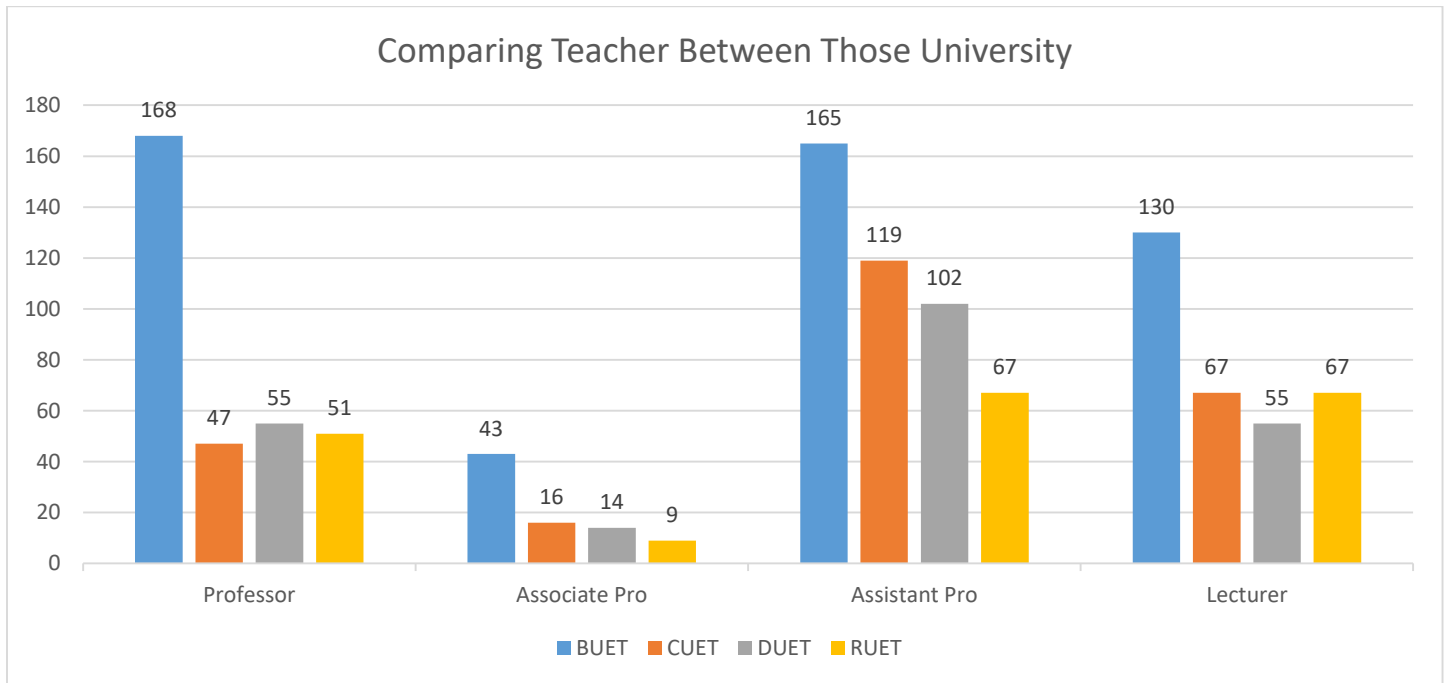
Male VS Female Department Head Between Those University (Below):

Male VS Female Head.

Male VS Female Head Percentage

Female 5.6%

Male 94.4%
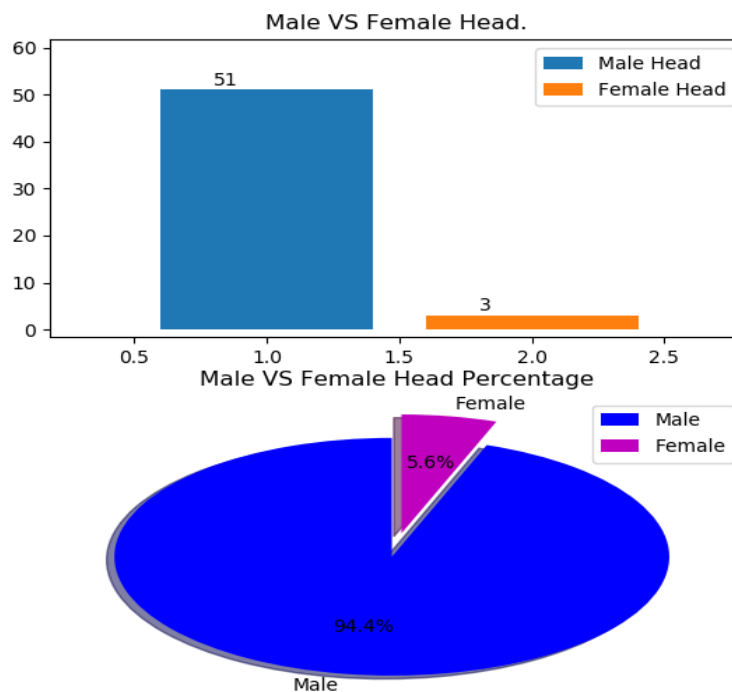
NB: Total Department 63 but only 54 department showing their web site of their Department Head information. [BUET = 1, CUET =1, DUET = 1]
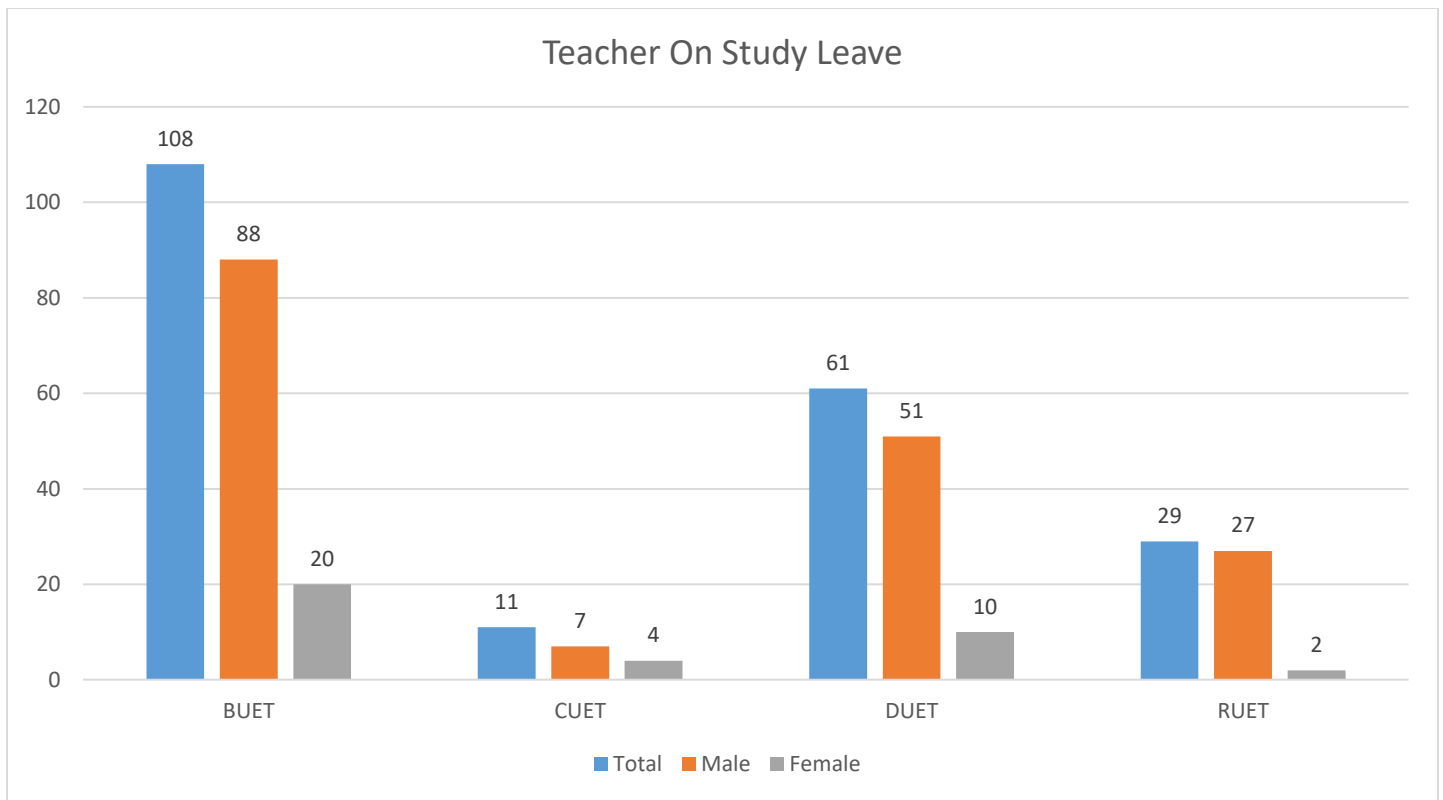Total Three (3) Female Department Head.
NB: Without **KUET** Information Because **KUET** Web Site Is Not Available.

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Total Professor. vs female_pro — BUET / CUET / DUET / RUET

- BUET: Male 89.4%, Female 10.6%
- CUET: Male 95.9%, Female 4.1%
- DUET: Male 93.2%, Female 6.8%
- RUET: Male 100.0%, Female 0.0%
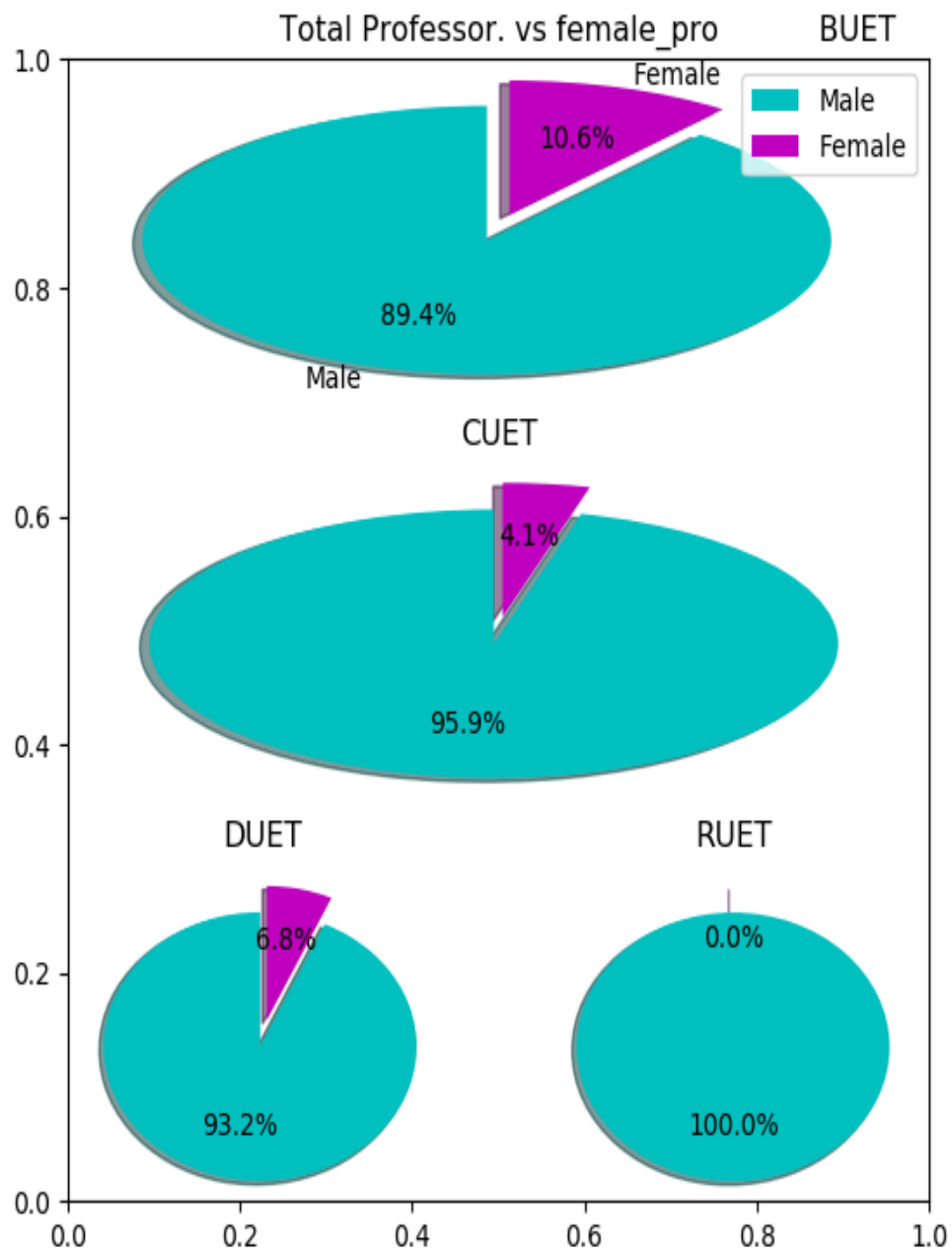
Total Professor VS Male Professor (%) (Fig Above)

BUET:	89.4	–	10.6
CUET:	95.9	–	4.1
DUET:	93.2	–	6.8
RUET:	100	–	00

Teacher On Study Leave

University	Total	Male	Female
BUET	108	88	20
CUET	11	7	4
DUET	61	51	10
RUET	29	27	2

Total ■ Male ■ Female

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NB: All Research Information Based On University Own website MAY-2018.