Faculty of Information and Communication Engineering

B.E. Computer Science and Engineering (Cyber Security)

(R 2021) Semester – III
CS3361 Data Science Laboratory

Sl. No.	Description of Equipment	Required numbers (for batch of 30 students
1.	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30
2.	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
3.	Python 3.9 or later, Anaconda Distribution	
4.	Scipy, statmodels, seaborn, plotly	

Faculty of Information and Communication Engineering

B.E. Computer Science and Engineering (Cyber Security)

(R 2021) Semester – III

CD3281 Data Structures and Algorithms Laboratory

SI. No.	Description of Equipment	Required numbers (for batch of 30 students
1	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30
2	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
3	Dev C++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	

Faculty of Information and Communication Engineering

B.E. Computer Science and Engineering (Cyber Security)

(R 2021) Semester – IV

CB3411 Cryptography and Cyber Security Laboratory

Sl. No.	Description of Equipment	Required numbers (for batch of 30 students
1	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30
2	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
3	DevC++ / NetBeans / Eclipse IDEs / Java or equivalent compiler	
4	Network simulator like NS2/Glomosim/OPNET/ Packet Tracer / Equivalent	

Faculty of Information and Communication Engineering

B.E. Computer Science and Engineering (Cyber Security)

(R 2021) Semester – IV
CB3412 Database Management Systems and Security Laboratory

Sl. No.	Description of Equipment	Required numbers (for batch of 30 students)
1	SQL Map, JSQL Injection or equivalent	
2	Oracle Database 12 or higher, MySQL 5.7 or higher, SQL Server 2022(16.x),PostgresQL	