

Faculty of Information and Communication Engineering
B.E. Computer Science and Engineering (Artificial Intelligence and Machine Learning)

(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	

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CD3281 Data Structures and Algorithms 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	Dev C++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	

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CS3381 OBJECT ORIENTED PROGRAMMING 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	
2	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30
3	Front End Tools: Eclipse IDE / Netbeans IDE	30

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(R 2021) Semester – IV

AL3411 Artificial Intelligence & Machine Learning 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, Numpy, Scipy, Matplotlib, Pandas, statmodels, seaborn, plotly, bokeh	
5	Python 3.9 or later, Anaconda Distribution, python editors, Jupyter / PyCharm/equivalent	

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(R 2021) Semester – IV

AD3381 Database Design and Management 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	PostgreSQL, NetBeans / Visual Studio,	
4	Oracle Database 12 or higher, MySQL 5.7 or higher, SQL Server 2022(16.x)	
5.	UMLLET Version 15 and above, JetUML, version 8.0 and above, Star UML version v5.0 and above	