Faculty of Information and Communication Engineering

B.Tech. Artificial Intelligence and Data Science

(R 2021) Semester – II

Course Code: AD3271	Course Title: DATA STRUCTURES DESIGN LABORATORY	
Sl. No.	**Description of Equipment**	**Required numbers (for batch of 30 students)**
1.	Python 3 interpreter for Windows/Linux	30

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(R 2021) Semester – III

AD3311 Artificial Intelligence 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, seaborn	
4	Python3.9 and above	

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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	

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(R 2021) Semester – IV

AD3411 Data Science and Analytics 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
4	Python , Numpy, Scipy ,Matplotlib, Pandas, seaborn, statmodels	
	Python3.9 and above	

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B.Tech. Artificial Intelligence and Data Science

(R 2021) Semester – IV

AL3461 MACHINE LEARNING LABORATORY

Sl. No.	Description of Equipment	Required numbers (for batch of 30 students
1	The programs can be implemented in either Python or R.	
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	30
	Python , Numpy, Scipy ,Matplotlib, Pandas, seaborn, statsmodels Python3.9 and above, Anaconda Distribution	

Faculty of Information and Communication Engineering

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(R 2021) Semester – V

AD3511   DEEP 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
4	Python , Numpy, Scipy ,Matplotlib, Pandas, seaborn, statsmodels Python3.9 and above, Anaconda Distribution	
	sci-kit learn	