



# JANSONS INSTITUTE OF TECHNOLOGY

(Autonomous)

Karumathampatti, Coimbatore – 641 659

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### GE3171 - PROBLEM SOLVING AND PYTHON PROGRAMMING

#### LABORATORY

#### LIST OF EQUIPMENTS

S.No	Equipment Name	Regulation 2021
1.	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	Sem I
2.	Python 3 interpreter for Windows	Sem I

### CS3271 - PROGRAMMING IN C LABORATORY

#### LIST OF EQUIPMENTS

S.No	Equipment Name	Regulation 2021
1.	Systems with Linux Operating System with GNU compiler	Sem II

HoD/CSE

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Principal

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### CS3381 - OBJECT ORIENTED PROGRAMMING LABORATORY

#### LIST OF EQUIPMENTS

S.No	Equipment Name	Regulation 2021
1.	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	Sem III
2.	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	Sem III
3.	Eclipse IDE / Netbeans IDE	Sem III

### CS3311 - DATA STRUCTURES LABORATORY

#### LIST OF EQUIPMENTS

S.No	Equipment Name	Regulation 2021
1.	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	Sem III
2.	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	Sem III
3.	Dev C++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open-source IDE	Sem III

  
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### CS3361 - DATA SCIENCE LABORATORY

#### LIST OF EQUIPMENTS

S.No	Equipment Name	Regulation 2021
1.	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	Sem III
2.	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	Sem III
3.	Python 3.9 or later, Anaconda Distribution	Sem III
4.	Scipy, statmodels, seaborn, plotly	Sem III

### CS3481 - DATABASE MANAGEMENT SYSTEMS LABORATORY

#### LIST OF EQUIPMENTS

S.No	Equipment Name	Regulation 2021
1.	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	Sem IV
2.	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	Sem IV
3.	Oracle Database 12 or higher, MySQL 5.7 or higher versions, SQL Server 2022(16.x)	Sem IV

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### CS3461 - OPERATING SYSTEMS LABORATORY

#### LIST OF EQUIPMENTS

S.No	Equipment Name	Regulation 2021
1.	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	Sem IV
2.	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	Sem IV
3.	DevC++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open-source IDE	Sem IV

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

M.E. Computer Science and Engineering

(With specialization in Artificial Intelligence and Machine Learning)

### P24ML2105 - ADVANCED DATA STRUCTURES AND ALGORITHMS

#### LABORATORY

#### LIST OF EQUIPMENTS

S.No	Equipment Name	Regulation 2024
1.	<b>HARDWARE/SOFTWARE REQUIREMENTS</b> 1. 64-bit Open-source Linux or its derivative 2. Open-Source C++ Programming tool like G++/GCC	Sem I

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### M.E. Computer Science and Engineering

(With specialization in Artificial Intelligence and Machine Learning)

### P24ML2205 - DATA ANALYTICS LABORATORY

#### LIST OF EQUIPMENTS

S.No	Equipment Name	Regulation 2024
1.	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	Sem II
2.	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	Sem II
3.	Java / Hadoop / Mahout / HBase/MongoDB/R	Sem II
4.	Any basic level server	Sem II
5.	Any open-source data mining tools like ORANGE / WEKA / Sci-Kit Learn / equivalent	Sem II

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