Faculty of Information and Communication Engineering

M.C.A. Master of Computer Applications

(R 2017) Semester – I
MC5114 ADVANCED DATABASE TECHNOLOGY LAB

(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Computer	25		
2.	MongoDB, Cassandra, HIVE, OrientDB	25		
3.	MySQL	25		
4.	XML	25		

Faculty of Information and Communication Engineering

M.C.A. Master of Computer Applications
(R 2017) Semester – I
MC5115 ADVANCED DATA STRUCTURES AND PYTHON PROGRAMMING LAB
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Computer	25		
2.	Python	25		

Faculty of Information and Communication Engineering

M.C.A. Master of Computer Applications
(R 2017) Semester – I
MC5116 COMMUNICATION SKILL ENHANCEMENT - I
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Computer	25		
2.	Teacher console and systems for students	25		
3.	English Language Lab Software	25		
4.	Career Lab Software	25		

Faculty of Information and Communication Engineering

M.C.A. Master of Computer Applications

(R 2017) Semester – II
MC5214 INTERNET PROGRAMMING LABORATORY

(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Systems	25		
2.	Server (Web Server Equivalent, WAMP/XAMP)	1		
3.	Java/JSP/ISP Webserver/Apache Tomcat / MySQL / Dreamweaver	25		

Faculty of Information and Communication Engineering

M.C.A. Master of Computer Applications
(R 2017) Semester – II
MC5215 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING LABORATORY
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Computers	25		
2.	Prolog	25		
3.	R/Python	25		
4.	Keras/scikit-learn/pytorch/Tensor Flow	25		

Faculty of Information and Communication Engineering

M.C.A. Master of Computer Applications
(R 2017) Semester – II
MC5216 COMMUNICATION SKILLS ENHANCEMENT- II
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Computer	25		
2.	Teacher console and systems for students	25		
3.	English Language Lab Software	25		
4.	Career Lab Software	25		

Faculty of Information and Communication Engineering

M.C.A. Master of Computer Applications
(R 2017) Semester – III
MC5314 DATA SCIENCE LABORATORY
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Machines with intel i5/i7 processor and minimum 4 GB RAM, 1 TB hard Disk, and 10/100/1000 Gigabit Ethernet	25		
2.	Ubuntu OS (Preferred) or Windows Operating System	25		
3.	Hadoop 2.8.0 installed	25		
4.	Apache Spark	25		
5.	R/Python	25		

Faculty of Information and Communication Engineering

M.C.A. Master of Computer Applications
(R 2017) Semester – III
MC5315 INTERNET OF THINGS LABORATORY
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	System	25		
2.	Arduino/ Raspberry	25		
3.	Django	25		
4.	XivelyPaas	25		

Faculty of Information and Communication Engineering

M.C.A. Master of Computer Applications
(R 2017) Semester – III
Bridge Course – BX5005 Programming and Data structures using C lab
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1	Systems with Linux Operating System with gnu compiler	25		

Faculty of Information and Communication Engineering

M.C.A. Master of Computer Applications

(R 2017) Semester – III
Bridge Course – BX5010 Java Programming Lab

(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Computer	25		
2.	Java, MS Access/MYSQL, Net Beans /TOMCAT Server	25		

Faculty of Information and Communication Engineering

M.C.A. Master of Computer Applications
(R 2017) Semester – III
Bridge Course – BX5011 DBMS Lab
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Computer	25		
2.	Front end: Java/Django/PHP/.NET	25		
3.	Back end: Oracle/SQL/MySQL/PostGress/DB2 or Equivalent	25		