



#### **Department of Computer Applications**

#### Approved List of Lab Courses with Software Requirements used in Lab: 07

### Program Specific Labs in R20 Curriculum:

Year	Semester	Lab Course	S/W Requirements
	T	Programming with C++ Laboratory	Geany
	1	Python Programming Laboratory	Geany
Ι		Java Programming Laboratory	Geany, Notepad
	II	Database Management systems Laboratory	Oracle 11 I edition
		Data Structures & algorithms Laboratory	Geany
		Full stack web development Laboratory	Web browser,
			Notepad, Geany,
			Visual Studio 2012
II	Ι	Data Science Laboratory	Anaconda
		Android application Development Laboratory	Android Studio, JRE + Eclipse

## Program specific Labs in R22 Curriculum: Lab used : 07

Year	Semester	Lab Course	S/W Requirements
		Python Programming Laboratory	Geany
	Ι	Database Management systems Laboratory	Oracle 11 I edition
Ι		Full stack web development Laboratory	Web browser, Notepad, Geany, Visual Studio 2012
	II     Data Structures & algorithms     Geany       II     Laboratory     III	Geany	
		Software Engineering Laboratory	Star UML Software, Selenium Web Driver
	Ι	Mobile Application Development Laboratory	Android Studio, JRE + Eclipse
II		Data science using python Laboratory	Anaconda
		Java Programming Laboratory	Geany, Notepad





#### **Department of Computer Applications**

#### Approved List of Lab Courses with Software Requirements used in Lab: 07

#### Skill Oriented Labs in R22 Curriculum:

Year	Semester	Lab Course	S/W Requirements
Ι	Ι	Skill Oriented Course –I	Geany
		(Programming with C++)	
	п	Skill Oriented Course –II	MATLAB Simulink
	11	(Programming with MAT Lab)	

#### Approved List of Lab Courses with Software Requirements used in Lab: 08

Year	Semester	Lab Course	S/W Requirements
	Ι	Programming with C++ Laboratory	Geany
	I	Python Programming Laboratory	Geany
Ι		Java Programming Laboratory	Geany, Notepad
		Database Management systems	Oracle 11 I edition
	II	Laboratory	
		Data Structures & algorithms Laboratory	Geany
		Full stack web development Laboratory	Web browser,
			Notepad, Geany,
			Visual Studio 2012
II	Ι	Data Science Laboratory	Anaconda
		Android Application Development	Android Studio, JRE
		Laboratory	Eclipse

## Program Specific Labs in R20 Curriculum:





## Program specific Labs in R22 Curriculum:

Year	Semester	Lab Course	S/W Requirements
		Python Programming Laboratory	Geany
	Ι	Database Management systems Laboratory	Oracle 11 I edition
		Full stack web development	Web browser, Notepad,
I		Laboratory	Geany, Visual Studio 2012
	II	Data Structures & Algorithms	Geany
		Laboratory	
		Software Engineering Laboratory	Star UML software, Selenium web driver
		Mobile Application Development	Android Studio, JRE + Eclipse
		Laboratory	
II	Ι	Data science using python	Anaconda
		Laboratory	
		Java Programming Laboratory	Geany, Notepad

#### Skill Oriented Labs in R22 Curriculum:

Year	Semester	Lab Course	S/W Requirements
Ι	Ι	Skill Oriented Course –I	Geany
		(Programming with C++)	
		Skill Oriented Course –II	MATLAB Simulink
	II	(Programming with MAT	
		Lab)	





## Department of Computer Applications Approved List of Lab Courses with Software Requirements used in Lab : KKB 102,103

## Program Specific Labs in R24 Curriculum:

Year	Semester	Lab Course	S/W Requirements
		Database Management systems Laboratory	Oracle 11 I edition
	Ι	Data Structures and algorithms Laboratory (using C)	Geany, Turbo C
I	-	Python Programming Laboratory	Geany
-		Java Programming Laboratory	Geany, Notepad
	П	Computer Networks And Security Laboratory	CisoCo Packet Razer
	-	Aritificial Intelligence Laboratory	Geany

## Skill Enhancement Course-II Labs in R24 Curriculum:

Year	Semester	Lab Course	S/W Requirements
Ι	II	Skill Oriented Course –II	
		Front End Web Development	Geany





## **Department Of Computer Applications**

#### Approved Photos of the lab Circular Block Labs



1.Circular Block Lab 07



2.Circular Block Lab 08



## Department Of Computer Applications Approved Photos of the lab

KKB LAB



3. KKB LAB 102, 103





# Department Of Computer Applications Approved details of list of Available Equipment in the Labs

**Circular Block Lab-07** 

### Hardware Infrastructure:

S.No	Equipment Type	Specification	Size / Units
1	Area	Computer Center (Sector 7)	1830 Sq.Ft
	Computer, Keyboard	HP280 G2 MT	55 Units
	and Mouse	LCD 18.5" Monitor	
		Intel i3 processor	
		4GB DDR4 RAM	
		500 GB SATA HDD	
		10/100/1000 NIC Keyboard, Mouse	
	Computer, Keyboard	HP PRO 3330 MT	11 Units
2	and Mouse	LCD 18.5" Monitor	
		Intel i3 processor	
		8GB DDR3 RAM	
		500 GB SATA HDD	
	10/100/1000 NIC Keyboard, Mouse		
3	Peripherals	Switches 48 + 24 Port	2 Units
		HP Procurve Equipment	
4	Electrical Equipment	UPS 20 KVA Delta	1 Unit

## **Circular Block Lab-08**

## Hardware Infrastructure:

S.No	Equipment Type	Specification	Size / Units
1	Area	Computer Center (Sector 8)	1830 Sq.Ft
	Computer, Keyboard	HP PRO 3330 MT	66 Units
	and Mouse	LCD 18.5" Monitor	
2		Intel i3 processor	
		8GB DDR3 RAM	
		500 GB SATA HDD	
		10/100/1000 NIC Keyboard,	
		Mouse	
3	Peripherals	Switches 48 + 24 Port	2 Units
		HP Procurve Equipment	
4	Electrical Equipment	UPS 20 KVA Delta	1 Unit



# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

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# Department Of Computer Applications Approved details of list of Available Equipment in the Lab KKB Lab-102 & 103

Hardware I	Hardware Infrastructure:			
S.No	Equipment Type	Specification	Size / Units	
1	Area	Computer Center	1830 Sq.Ft	
2	Computer, Keyboard and Mouse	Dell Vostro 3228 Micro Tower Dell 22" Monitor Intel i3-7 <sup>th</sup> Generation 8GB DDR4 RAM 1 TB SATA Keyboard, Mouse	66 Units	
3	Peripherals	Switches 48 + 24 Port HP Procurve Equipment	2 Units	
4	Electrical Equipment	UPS 20 KVA Delta	1 Unit	

List of Software's	and Utilization
Open Source Software	<ul> <li>Geany</li> <li>G++, GCC -Compilers</li> <li>Python (idle, idle3, idle3.4)</li> <li>MySQL workbench</li> <li>Weka 3.6</li> <li>J2ME (Sun java wireless Tool Kit)</li> <li>MySQL</li> <li>Php5, Php5-mysql</li> <li>Git</li> <li>Visual Studio Code -</li> <li>NetBeans IDE</li> <li>Apache Web Server</li> <li>SPS</li> <li>Eclipse IDE</li> </ul>
Browsers	<ul><li>Chrome</li><li>Firefox</li><li>Internet Explorer</li></ul>
Utilization	Utilized by students, faculty members and research scholars for project and research work