



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





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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 th 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	 Geany G++, GCC -Compilers Python (idle, idle3, idle3.4) MySQL workbench Weka 3.6 J2ME (Sun java wireless Tool Kit) MySQL Php5, Php5-mysql Git Visual Studio Code - NetBeans IDE Apache Web Server SPS Eclipse IDE
Browsers	ChromeFirefoxInternet Explorer
Utilization	Utilized by students, faculty members and research scholars for project and research work