

Government of Telangana, Collegiate Education,
M.A.L.D. GOVT. DEGREE COLLEGE,
GADWAL – 509125,

Jogulamba Gadwal Dist., Telangana State

NAAC Re-accredited with “B” Grade,

Affiliated to Palamuru University

DEPARTMENT OF COMPUTER SCIENCE



DEPARTMENTAL PROFILE

Head of the Department

Sri.V.Manoj Kumar,, M.Sc , B.Ed, SET.,

Assistant professor of Mathematics

Phone: 9491490036

E-mail: vmanoj30580@gmail.com

IQAC - Coordinator

Sri.V.Manoj Kumar,

M.Sc , B.Ed, SET.,

Phone: +91-8546-272240,9491490036

E-mail: maldgadwal.iqac@gmail.com

Principal

Dr.D. Sreepathi Naidu,

M.A, B.Ed, Ph.D.,

Website:https://gdcts.cgg.gov.in/gadwal.edu

Government of Telangana, Collegiate Education,

M.A.L.D. Govt. Degree College, Gadwal – 509125,



Jogulamba Dist., Telangana State

NAAC Re-accredited with “B” Grade,

Affiliated to Palamuru University



DEPARTMENT OF COMPUTER SCIENCE

NAAC -2022



Sri.V.Manoj Kumar, M.Sc, B.Ed, SET.,

Assistant professor of Mathematics

Phone: +91-8546-272240, : 9491490036

E-mail: maldgadwal.iqac@gmail.com

Website: <https://gdcts.cgg.gov.in/gadwal.edu>

S.NO	TITLE
1.	Vision and Mission
2.	Highlights of the Department
3.	About the Department
4.	Importance of Department
5.	Objectives of the Department
6.	Action Plan
7.	Faculty Profile
8.	Results analysis Year wise
9.	Teaching Learning & Evaluation
10.	Seven criteria wise departmental Activities
	A) International Seminars
	B) Remedial Coaching
	C) Extension Lectures
	D) ICT Enabled Teaching
	E) Students Seminars , Quiz, & Group Discussion etc,
	F) Student Study Projects
	G) Department Field Trip
	H) Certificate Courses
	I) M.Sc Entrance Coaching (Chemistry)
	J) Student support & Progression
11.	Alumni of the Department
12.	Curricular & Extracurricular Activities
13.	Innovative & Best Practices
14.	Future Vision of the Department
15.	Departmental Staff Photo With Principal

DEPARTMENT PROFILE

An Overview

M.A.L.D Govt. Arts & Science College, Gadwal was established in the year 1960. The college building is situated in the Historic fort of Gadwal. There is a great temple is reviling the glorious glimpses of the golden over from Gadwal to Nandyal covering to 150km. It was the independent state under Nyzam suzerenity.

His highness Raja Krishna Rambhoopal the grand son of Maharani Adilakshmi Devamma is donated the entire fort and palatial building to the degree college. Hence the college is on the name of grand mother Maharani Adilakshmi Devamma who was the rular of this princely state. Like that the M.A.L.D. Govt. Arts & Science College, Gadwal came into existence in 1960.

At first the college was comprised of PUC and Degree courses as a composite college. At that time the medium of instruction was in English medium only. In 1969-70 all the subjects began to taught in Telugu Medium only.

The college was bifurcated into Govt. Jr. College, Gadwal and M.A.L.D. Government Arts & Science College, Gadwal in August 1996.

The Degree College offers Sciences, Arts, Commerce and computer courses in the Degree level, under jurisdiction of Palamuru University, Mahabubnagar.

The Department of Computer Science is established in 1998-99. It is first restructured course offered in the college. The department is strictly adhered to the academic schedule as per the almanac of the Palamuru University apart from the syllabus. The Computer Science Department trying to enlighten the students on the topics like Techniques for competitive exams, Real life situations, Statistics of prices, Population, Marketing etc generally discussing in class rooms.

Computers are the backbone of today's era. Computing has become omnipresent with the rapid development in computer hardware and software technology. The applications of computers in almost all walks of life have made computer education a need of the hour.

B.Sc Computer Science, B.Com Computer Applications and B.A/B.Sc Computer Applications courses were initiated at this College in the academic year 1999. The department has state-of-the-art computer laboratories as well as qualified and experienced faculty members to cater to the requirements of the students. The Department of Computers runs a very active Cyber Club which organizes co-curricular and extra-curricular activities for bringing out the hidden talents of students. The department started functioning with the small computer lab with 30 systems in the year 2000. In July 2005, the department was shifted to the new building in the same campus in the year 2005. Its shifting to the new building added a new phase to provide practical knowledge to the students.

The staff of the department maintains academic records such as attendance registers of the students, Teaching diary, Synopsis of the contents in the syllabus and Teaching notes and other study materials for the benefit of the students. The department also prepares an annual academic plan with different programmes to have more systematic approach while importing the subject to the students.

The departmental meetings will be conducted in regular intervals, whenever necessary pertaining to the academic and co-curricular activities and the same is recorded in the department's minute's book.

Vision

To develop graduates with strong academics and technical backgrounds needed to achieve distinction in their disciplines.

To create the most conducive environment for quality academic for undergraduates in computer science and Applications and prepare the students for a globalised technological society and orient them towards serving the society.

Mission

"To enable the undergraduates to develop logic, and a problem solving approach and help build their careers in the innovative field of computing."

To create, share, and apply knowledge in Computer Science, including in interdisciplinary areas that extend the scope of Computer Science and benefit humanity, to educate students to be successful, and effective life-long learners who will contribute positively to the economic well-being of our region and nation and who are prepared to tackle complex 21st Century challenges facing the world. To impart quality professional training at the undergraduate level with an emphasis on basic principles of computer science. To impart moral and ethical values, and interpersonal skills to the students.

Highlights of the B.Sc (Bachelor of Computer Science) Course

The B.Sc Computer Science Program is designed for students who are interested in pursuing rewarding careers in the field of IT. The program encompasses foundation courses, core subject dealing with latest tools and techniques, with an optimal blend of theory and practical. The B.Sc Computer Science program provides a good ground in basic subjects. A deep understanding of the basic subjects help the students when they pursue advanced programs after graduation or employment in various roles in the IT industry. The practical approach ensures the development of practical skills based on theoretical knowledge. Problem solving exercises, field studies/visits, case studies, surveys, industrial visits - hands on experience, and project works ensure skill development in the relevant subject. In B.Sc Computer Science program, students are exposed to various areas of computer science incorporating programming, data base design, software engineering, and networking. The syllabus is regularly updated to meet the requirement of the Software Industry.

I Year	Semester - I	Paper - I	Programming in C
	Semester - II	Paper - II	Programming in C++
II Year	Semester- III	Paper - III	Data Structures
	Semester- IV	Paper - IV	Relational Database Management systems
III Year	Semester- V	Paper – V	Programming in Java
		Elective	Software Engineering
	Semester- VI	Paper -VI	Web Technologies
		Elective	Computer Networks

Highlights of the B.Sc (Bachelor of Computer Applications) Course

With the growing needs in the field of computer science, students with Biology background are also interested in learning computer. Thus, pursuing a course of B.Sc Computer Applications fulfils their desire to learn computer subjects as well as biology in depth. In each semester the students of B.Sc Computer Applications learn two distinct subjects of computer with traditional Biology subjects. The program consists of six semesters of total 3 years duration.

I Year	Semester - I	Paper - I	Programming in C
	Semester - II	Paper - II	Programming in C++
II Year	Semester- III	Paper - III	Relational Database Management systems
	Semester- IV	Paper - IV	Multi Media systems
III Year	Semester- V	Paper – V	Programming in Java
	Semester- VI	Paper -VI	Web Technologies

Highlights of the B.Com (Bachelor of Computer Applications) Course

With the growing needs in the field of computer science, students with commerce background are also interested in learning computer. Thus, pursuing a course of B.Com. Computer Applications fulfils their desire to learn computer subjects as well as commerce in depth. In each semester the students of B.Com Computer Applications learn two distinct subjects of computer with traditional commerce subjects. The program consists of six semesters of total 3 years duration.

I Year	Semester - I	Paper - I	Fundamentals of Information Technology
	Semester - II	Paper - II	Programming with c & c++
II Year	Semester- III	Paper - III	Relational Database Management systems
	Semester- IV	Paper - IV	Web Technologies
III Year	Semester- V	Paper – V	Ecommerce
	Semester- VI	Paper -VI	Multimedia systems

Highlights of the B.Sc (Bachelor of Data Science) Course

B.Sc Data Science is a 3 year full-time course that comes under the domains of Computer Science, Business Analytics and Artificial Intelligence.

Data Science is an interdisciplinary subject that includes the use of Statistics, Big Data Analytics, Machine Learning and related aspects in order to understand the problem or phenomena with respect to a set of real-world data. Major B.Sc Data Science subjects include Machine Learning, Cloud Computing, Data Visualizations, Python Programming, Operating Systems and others.

I Year	Semester - I	Paper - I	Fundamentals of Information Technology
	Semester - II	Paper - II	Problem solving and Python programming
II Year	Semester- III	Paper - III	Data Engineering with Python
	Semester- IV	Paper - IV	Machine Learning
III Year	Semester- V	Paper – V	Natural Language Processing
		Elective	No SQL Databases
	Semester- VI	Paper -VI	Big Data
		Elective	Deep Learning
		Paper- VIII	Major Project

About the Department of Computer Science

The Department of Computer Science was established in the year of 2000 with the courses at Graduate level, B. Sc with the combination of Mathematics, Physics and Computer Science and B.Com(Computer Applications) and brought a new group in Physical Science with the combination of Mathematics, Statistics and Computer Science in the Academic year 2019-20. The Department of Lab is Located in the First Floor of the College building consists of the built up area about 400 sq meters. The Lab is spacious and well equipped with internet facility to cater the needs of all students in the Lab that can be accommodated. Funds are being received from, Union Grants Commission.

The Lab consists of 30 Desktop Systems having the latest Configuration with Intel core i5 Processor with 4GB RAM 500 GB HDD, 18.5 Monitor, MS windows-10 5.2 version Operating System. The Lab also equipped with a projector consists of LCD, Projector with 3000 ANSI Lumens Screen and Monitoring kit. Also the Lab is Supported with Power Backup using UPS consists of 5 KVA system with 2 hours backup for all the systems accommodated in the Lab.

All the Systems in the Lab are installed with MS-Office, C Language, CPP and Java Language along with Oracle to meet the requirements of the courses for both B.Sc and B.Com(Computer Applications)

Importance of Computer Science

As we live in a digital age, most industries rely on data and software programmes. Computer Science & IT impacts everything, from scientific research to health development, transport, banking, communications, you name it. Even objects like microwave ovens, fridges, or door locks are now connected to our Wi-Fi networks and personal assistants. Technology has made the world better, faster, and more connected. But this didn't happen by magic. We arrived here thanks to the brilliant minds of IT graduates, who took their passion for technology and used it to create gadgets and computer programmes which help us every single day.

With a Computer Science degree, you'll learn all the concepts and skills you need to answer these questions and many others. Technology is part of our future, and it is up to people like you to decide how it will impact and shape our world. You don't need to dream of becoming the next Bill Gates or Steve Jobs. After all, Windows is still buggy, and even iPhones are not what they once were. But you can develop the next generation of gadgets or software programmes which will improve the lives of millions of people.

According to the US Bureau of Labour Statistics, there will be a 13% increase in Computer Science jobs by 2026. You can notice a similar trend in the EU, where the number of ICT (Information and Communications Technology) specialists grew by 36.1% over 10 years (2007–2017). This demand for qualified IT specialists means that Computer Science careers are well-paid. In the United States, for example, the median annual salary for IT occupations was 86,000 USD in 2018.

Objectives of the Department

As Information Technology has become an integral part of education and life style the department focuses on preparing young minds for the globally challenging opportunities in the IT field of digital era.

- Graduates of the Bachelor of Science in Computer Science and Bachelor of Commerce with Computer Applications programmes will be actively contributing individually and in teams.
- Demonstrate expertise in problem-solving techniques using the computer.
- Demonstrate ability in at least three high-level programming languages.
- Demonstrate ability in developing and analysis of complex data structures problems.
- Demonstrate knowledge of modern software engineering principles.
- Ethically applying expertise to face the challenges and solve problems, effectively communicating, and building on their knowledge to grow in their careers.

- To develop quality IT professionals by providing concept oriented subject knowledge supplemented with practical orientation.
- To develop all round personality of the students by inculcating the values of sincerity, team spirit and work culture.
- To provide comprehensive knowledge in various fields of computer science.

MALD GOVT ARTS & SCIENCE COLLEGE GADWAL, JOGULAMBA GADWAL -DIST

WORKING TIMETABLE FOR CLASSES OF PHYSICAL SCIENCES(MPCS,MSCS)

FOR YEARS I,II,III ACADEMIC

DAY	YEAR	10:00-11:00	11:00-12:00	12:00-1:00	BREAK	1:30-2:30	2:30-3:30	3:30-4:30
MONDAY	I			Computer science		Computer science-lab		
	II		Computer science					
	III	Computer science						
TUESDAY	I		Computer science					
	II	Computer science						
	III			Computer science				
WEDNESDAY	I	Computer science						
	II			Computer science				
	III		Computer science			Computer science-lab		
THURSDAY	I							
	II		Computer science					
	III	Computer science						
FRIDAY	I		Computer science					
	II				Computer science-lab			
	III			Computer science				
SATURDAY	I	Computer science						
	II			Computer science				
	III		Computer science		Computer science-lab			



Department Staff



Computer Science Lab

ACTION PLAN
ACTION PLAN FOR ACADEMIC YEAR

S.NO	MONTH	ACTIVITIES(I,III,V SEMS)
01	JUNE	Preparation of Academic Calendar Admission Work
		Admission Work
		Analysis of results
02	JULY	Commencement of Classes for I,III,V Sems Students
		Preparation of Time-Table
		1 st - seminars for I,III,V Sems Students(4 th Friday)
		1 st Assignments for I,III,V Sems Students(JULY 16 th)
03	AUGUST	2 nd - Seminars for I,III,V Sems Students(4 th Friday)
		2 th Assignments for I,III,V Sems Students(AUGUST 31 st)
		Extension lecturer
		Student Study Project
04	SEPTEMBER	Group discussions
		Certificate Course
		Internal Assessment Test-1
05	OCTOBER	Field trips
		Internal Assessment Test-2
		Remedial Classes
		Preparation & Conduct of Practical Examination
		I,III,V EXAMS November 2019
		II IV VI SEMESER
01	DECEMBER	Commencement of Classes for II,IV,VI Sems Students
		1 st Assignments for II,IV,VI Sems Students(DEC 30 th)
02	JANUARY	Group discussions
		Certificate Course
		1 st - seminars for II,IV,VI Sems Students(4 th Friday)
03	FEBRUARY	Internal Assessment Test-1
		Student Study Project
		Extension lecturer
04	MARCH	2 th Assignments for II,IV,VI Sems Students(MARCH 31 st)
		2 nd - Seminars for II,IV,VI Sems Students(4 th Friday)
		Field trips
		Remedial Classes
05	APRIL	Internal Assessment Test-2
		Preparation & Conduct of Practical Examination
		Commencement of Examinations

FACULTY PROFILE:

PERSONAL PROFILE OF FACULTY



Name : **Sri. D. Hari Babu**

Designation : **Lecturer in Computer Science**

Qualifications : **M.Tech**

Address : MALD Govt. Arts & Science, Gadwal

Contact No : 9985660834

Service Particulars : from 2000 to 2003
from 2005 to 2013 in M.A.L.D GDC, Gadwal
from 2013 to Sept,2013 in MVS GDC, Gadwal
from oct, 2013 to still date

Teaching Experience : 23 Years

Extracurricular activities : Attended a Workshop organized by NASSCOM on 13th Nov, 2019 at HICC, Novotel, HI-TECH City, Hyderabad.
: Electing a Good Public Representative & the Role Of Voters, organized IQAC, Mald Gdc Gadwal
: National Seminar on "Participation of Women and Inclusive Development by Department of Economics, MALD Govt. Degree college Gadwal

Additional Responsibilities : 1. Member in IETE, New Delhi
2. Member of III Criterion (NAAC)
3. In charge of III B. Sc(MPCS) class

PERSONAL PROFILE OF FACULTY

Name : **Palamoori Swetha**
Designation : **Lecturer in Computer Science**
Qualifications : **M.Tech**
Address : MALD Govt. Arts & Science, Gadwal
Contact No : 8019579377
Teaching Experience : 5 years
E-mail : sweh34@gmail.com
Extracurricular activities : Participated in various academic activities.



Participated in Seminar on “Women Empowerment “ on the occasion of Womens day conducted by JPNCE, Mbnr.

Additional Responsibilities : 1.Incharge of Virtual Class room.
2. Incharge of II B.Sc .
3. Member of Women Empowerment cell.
4. Member of Cultural Activities.

PERSONAL PROFILE OF FACULTY

Name : **K.M. SIRI LAXMI DEVAMMA**
Designation : Lecturer in Computer Science
Date of Birth : 30-08-1987
Qualifications : **MCA , B.Ed**
Address : MALD Govt. Arts & Science, Gadwal
Contact No : 9948372178
Teaching Experience : 10 yrs.
E-mail : srilaxmi880@gmail.com
Computer Skills : C, C++, JAVA, HTML, ORACLE,PYTHON
Residential Address : H.No: 2-3-73, Burdha peta, Gadwal.



STUDENT STRENGTH PARTICULARS

S.No	Academic Year	Group	Medium	SC	ST	BC-A	BC-B	BC-C	BC-D	BC-E	OC	TOTAL
1	2015-16	I B.Com-Comp.	TM	15	1	14	16	-	23	4	5	78
		I B.Sc MPCS	EM	14	-	11	30	-	29	9	7	100
2	2016-17	I B.Com-Comp	EM	9	2	10	14		11	6	4	56
		I B.Sc MPCS	EM	10	2	9	17		13	3	5	59
3	2017-18	I B.Com-Comp	EM	12	3	07	14		16	03	05	60
		I B.Sc MPCS	EM	12	0	10	21		10	06		59
4	2018-19	I B.Com-Comp	EM	11	1	12	20		13	10	1	68
		I B.Sc MPCS	EM	10	1	17	20		22	8	8	86
		I B.Sc MSCS	EM	4		1	7		4		1	17
5	2019-20	I B.Com-Comp	EM	8	1	7	12		32	7	5	72
		I B.Com-Comp	TM	6		21	21		12	04		64
		I B.Sc MPCS	EM	6		13	21		5	7	2	54
		I B.Sc MSCS	EM			4	3		4		1	12
6	2020-21	I B.Com-Comp. Appl	EM	16		15	16		27	13	6	93
		I B.Com-Comp. Appl	TM	9	1	11	11		19	3	1	55
		I B.Sc MPCS	EM	13	1	13	24		23	10	4	88
		I B.Sc MSCS	EM	2			4		2			8
		I B.Sc BZCS	EM				1					1

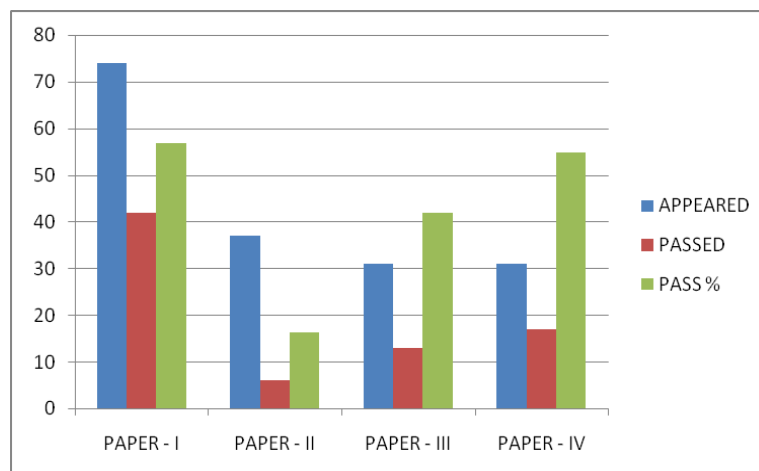
I B.Sc BZCS	TM	1					1			2
I B.Sc MBCCS	EM				1					1
I B.Sc MBZCS	EM		1							1
I B.Sc MSDS	EM	1		2	3				1	7
B.A –HECA	TM	1								1
B.A –HECA	EM					1				1

RESULT ANALYSIS:

ACADEMIC YEAR: 2015 – 16

PAPER	APPEARED	PASSED	PASS %
PAPER - I	74	42	56.8
PAPER - II	37	6	16.2
PAPER - III	31	13	41.9
PAPER - IV	31	17	54.8

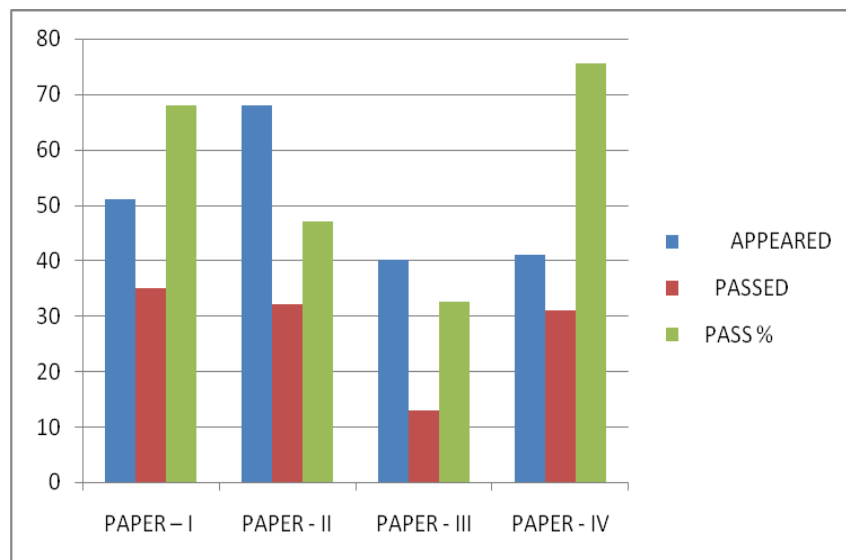
GRAPHICAL REPRESENTATION



ACADEMIC YEAR: 2016 – 17

PAPER	APPEARED	PASSED	PASS %
PAPER – I	51	35	68
PAPER - II	68	32	47.06
PAPER - III	40	13	32.50
PAPER - IV	41	31	75.61

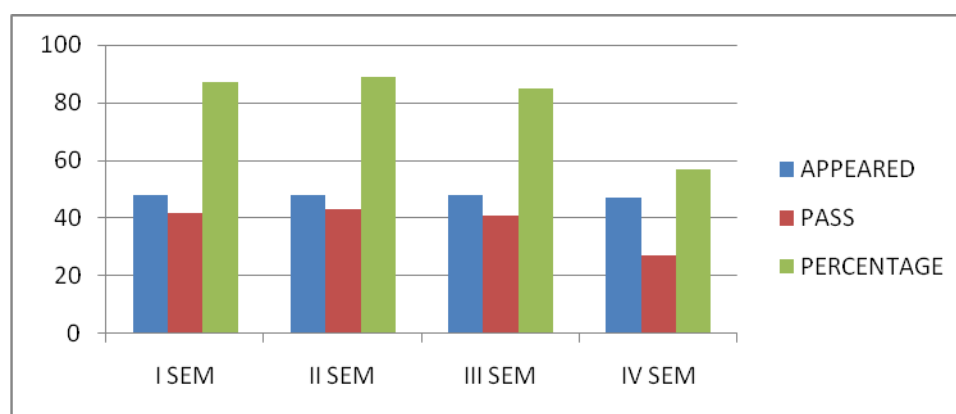
GRAPHICAL REPRESENTATION



ACADEMIC YEAR: 2017 – 18

SL.NO	SEMESTER	GROUP	APPEARED	PASS	PERCENTAGE
1	I SEM	MPCS	48	42	87
2	II SEM	MPCS	48	43	89
3	III SEM	MPCS	48	41	85
4	IV SEM	MPCS	47	27	57
5	V PAPER	MPCS	65	42	64
6	VI PAPER	MPCS	66	45	68
	TOTAL		322	240	74

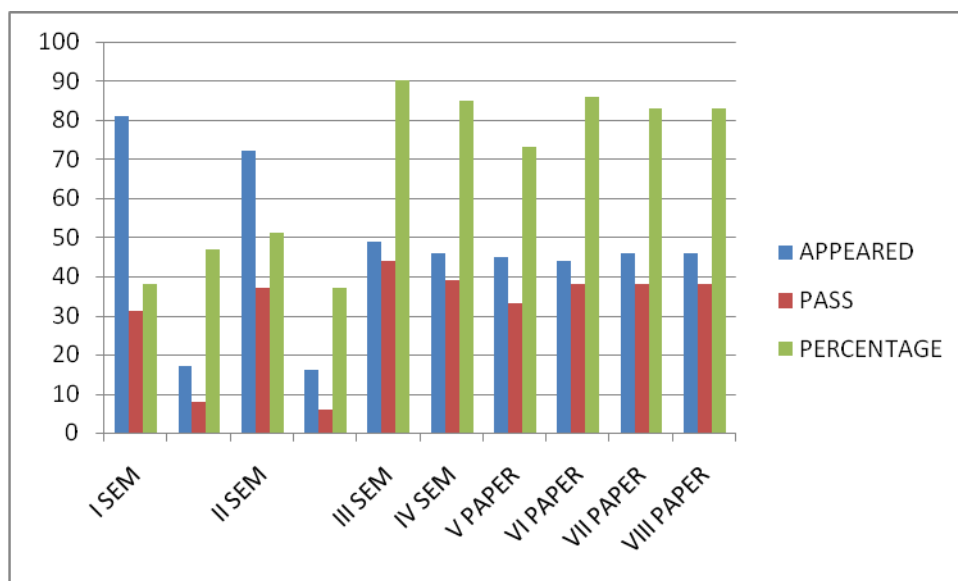
GRAPHICAL REPRESENTATION



ACADEMIC YEAR: 2018 – 19

SL.NO	SEMESTER	GROUP	APPEARED	PASS	PERCENTAGE	TOTAL
1	I SEM	MPCS	81	31	38	40
		MSCS	17	8	47	
2	II SEM	MPCS	72	37	51	49
		MSCS	16	6	37	
3	III SEM	MPCS	49	44	90	90
4	IV SEM	MPCS	46	39	85	85
5	V PAPER	MPCS	45	33	73	73
6	VI PAPER	MPCS	44	38	86	86
7	VII PAPER	MPCS	46	38	83	83
8	VIII PAPER	MPCS	46	38	83	83
	TOTAL		462	312	67	67

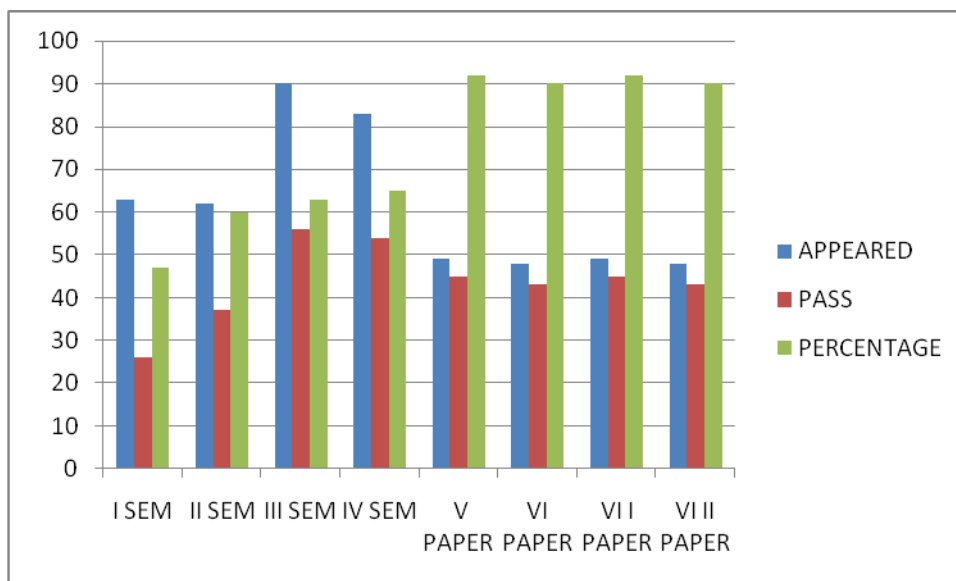
GRAPHICAL REPRESENTATION



ACADEMIC YEAR: 2019 – 20

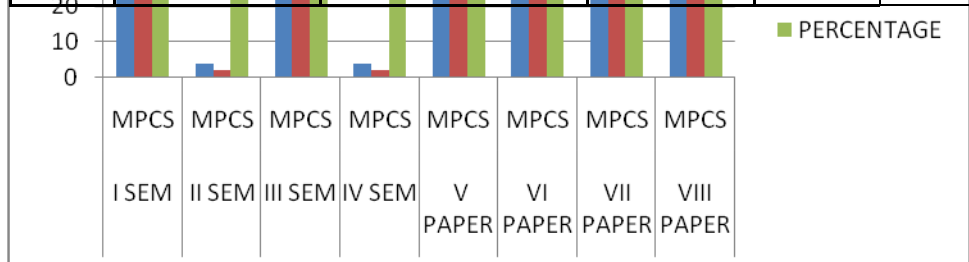
SL.NO	SEMESTER	GROUP	APPEARED	PASS	PERCENTAGE
1	I SEM	MPCS	63	26	47
2	II SEM	MPCS	62	37	60
3	III SEM	MPCS	90	56	63
4	IV SEM	MPCS	83	54	65
5	V PAPER	MPCS	49	45	92
6	VI PAPER	MPCS	48	43	90
7	VI I PAPER	MPCS	49	45	92
8	VI II PAPER	MPCS	48	43	90
	TOTAL		492	349	71

GRAPHICAL REPRESENTATION



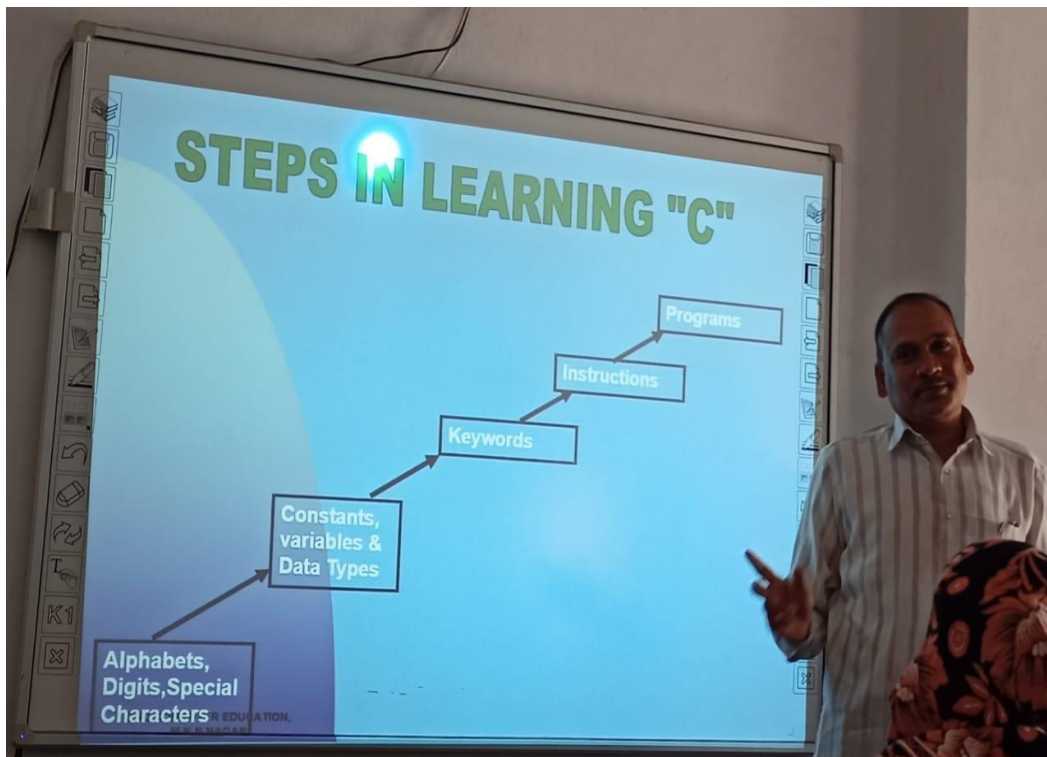
ACADEMIC YEAR: 2020 – 21

SL.NO	SEMESTER	GROUP	APPEARED	PASS	PERCENTAGE
1	I SEM	MPCS	74	28	38
		MSCS	4	2	50
2	II SEM	MPCS	72	32	44
		MSCS	4	2	50
3	III SEM	MPCS	39	26	67
		MSCS	12	3	25
4	IV SEM	MPCS	39	10	27
		MSCS	12	4	33
5	V PAPER	MPCS	76	59	78
		MSCS	11	7	64
6	VI PAPER	MPCS	76	70	92
		MSCS	11	7	64
7	VII PAPER	MPCS	74	69	93
		MSCS	11	11	100
8	VIII PAPER	MPCS	73	64	88
		MSCS	11	10	91
TOTAL			599	404	68



TEACHING LEARNING EVALUATION:

All the faculty members of this department are well experienced to explain the theory topics and practical by using various teaching methods to create interest to the students. Presently we are using the following methods and teaching aids:



- All programs and figures are displayed using screen mode to attract the students.
- PPT's are used for teaching lessons to make the topics interesting so that students can understand lessons clearly.
- Alternate methods of teaching are followed such as class seminars, Group discussion, Quiz.
- Remedial Coaching is given to the weak students to improve their standards.
- Other teaching methods such as Descriptive, Inquisitive, Assignments and problem solving methods to improve standards of students.
- Departmental library

Department of Computer Science



Video Lessons

S.No	Toipc	You tube /Gogle Drive Link
1	Intefaces in Java	https://drive.google.com/file/d/1yVb-AZXoJPSvyYtcP1kOJovdW-goJu7K/view?usp=sharing
2	Exception Handling in Java	https://drive.google.com/file/d/1O5iuXj_7toDlfoYVEUct3uj-YoBi_Vj/view?usp=sharing
3	Multi threading in java	https://drive.google.com/file/d/1K3l3RICtIctZOgl-pZf8jgRT2HSTD39_/view?usp=sharing
4	Linear DS using Array	https://drive.google.com/file/d/13XS4PF9XA191jg01UaETMVtNVJHc5b4P/view?usp=sharing
5	Functions in c++	https://drive.google.com/file/d/1Wllpd5rCIEOZmsSgyikztV358Wv84lrp/view?usp=sharing
6	Java streams	https://drive.google.com/file/d/12YMXz_J30JzDiggLitM_RfZLD6y_8Rgc/view?usp=sharing
7	Java file streams	https://drive.google.com/file/d/17k7rfaovnH-QzjDV_HaaY_D6B1Oo4Na9/view?usp=sharing
8	java parameters	https://drive.google.com/file/d/13RcsytOR-0AIQk5RLjc4iEo4UwlKNWOL/view?usp=sharing
9	java event handling	https://drive.google.com/file/d/1SEdkvMXivcnU06lgl0uUnh0vUfKajgyW/view?usp=sharing
10	expressions	https://drive.google.com/file/d/1awH0HCcLdcHFEm_IYBbG_fw2K71loHK/view?usp=sharing
11	java basics	https://drive.google.com/file/d/1XiJx-OXS0kw8y6ncZseAwkVoVJ1STO3g/view?usp=sharing
12	data structures	https://drive.google.com/file/d/1228rEX1AAZEmEodHtKg4BBa6vKeRBxFC/view?usp=sharing
13	data structures	https://drive.google.com/file/d/19lX_1Z7Swl5Rqp8qhbq2x5NM0nLRF7oM/view?usp=sharing
14	class	https://drive.google.com/file/d/1Wllpd5rCIEOZmsSgyikztV358Wv84lrp/view?usp=sharing
15	statements	https://drive.google.com/file/d/19FWog_t5PE-lb6K605EmBxwGPgMOSrFl/view?usp=sharing
16	statements contd..	https://drive.google.com/file/d/1awH0HCcLdcHFEm_IYBbG_fw2K71loHK/view?usp=sharing
17	java adapter classes	https://drive.google.com/file/d/1jqikXPctioka7rEGCCIOOz4mSyS9DKG-/view?usp=sharing

REMEDIAL CLASSES

Remedial classes are used to emphasize or re-teach the basics of a subject. Remedial programs are mostly individualized instruction rather than full class instruction. These classes help the child to learn automatically through constructive methods . Remedial courses had academic, social, psychological, economic, and career development impacts on students' lives.

Remedial classes were conducted for B.Sc.-I,II&III year students. Students were selected for remedial coaching based on their performance in university examinations. Such remedial classes were conducted after regular analysis.

TESTS AND EXAMS:

Slip tests, unit tests, quarterly exams, half yearly exams and pre-final exams conducted regularly. Students who got highest marks in slip tests and unit tests were identified as fast learners. Fast learning students are encouraged by some study project. Slow learning students are advised to work hard and suggestions are given for time management



EXTENSION AND GUEST LECTURERS:

S.NO	NAME	ADDRESS	TOPIC	YEAR
1.	Sri H. K Prasad	Govt. Degree College, Shnatinagar	Applet	III
2	Sri Anjaneylu	Govt. Degree College, Shanti Nagar, Jogulamba Gadwal Dist.	Constructors	II,III
3.	Smt. Jyothi	SVM Degree college, Gadwal	SQL	II
4	Smt Srilatha	Priyadarshini Degree college for Women, Gadwal	OOP	I

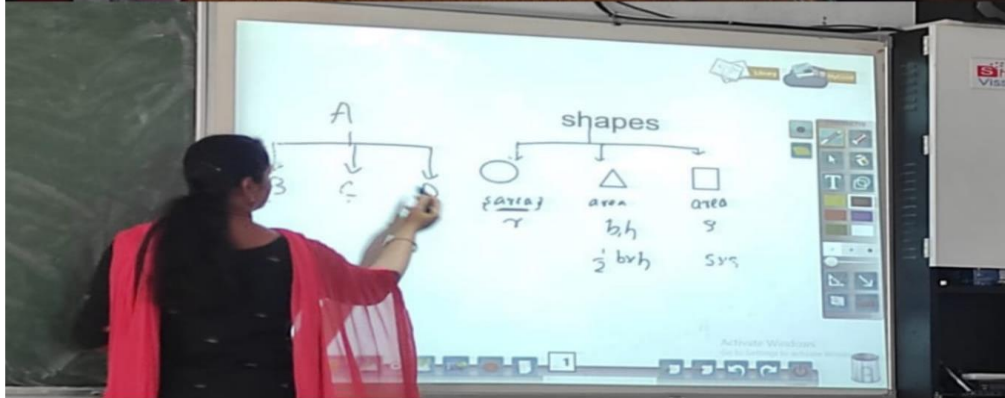




ICT FACILITIES AND INFRASTRUCTURE

- Effective teaching with Learning Management Systems (LMS), E-learning resources etc.
- E-Learning Resources : PPT, Lecture Notes, e-Books, Swayam MOOC Courses.
- ICT tools and learning resources : Smart Boards, Spoken Tutorial, Blended and Flip Classroom.
- Use of Power Point Presentation Audio, Video and Animation for Delivery of lectures / demonstrations

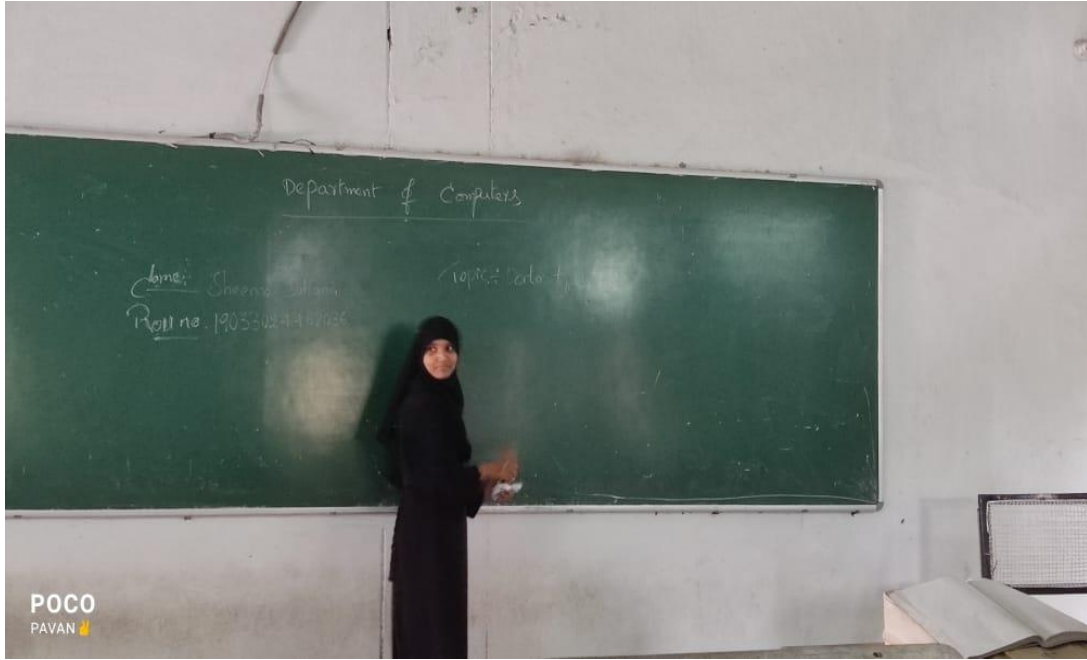




CLASS ROOM SEMINARS:

- ✚ Students are guided by the department right from the admission, for further education and career guidance.
- ✚ The topics of seminars are given in advance to the students and the lecturer will guide them to present the seminar.
- ✚ Class Room Teaching, Students Seminars, , Debate and Online learning through digital platform is provided to the students to enhance the knowledge of the subject.

S.NO	Student Name	Group	Topic
1.	C. Soumya	I-MPCS	Data types
2.	B. Nagaraju	III-MPCS	Multi threading
3.	Pavithra	II-MPCS	Array
4.	Seema	II-MPCS	Inheritance
5.	Sudheer	III-MPCS	Applet
6	Bhargav	I-MPCS	functions



Student Seminar



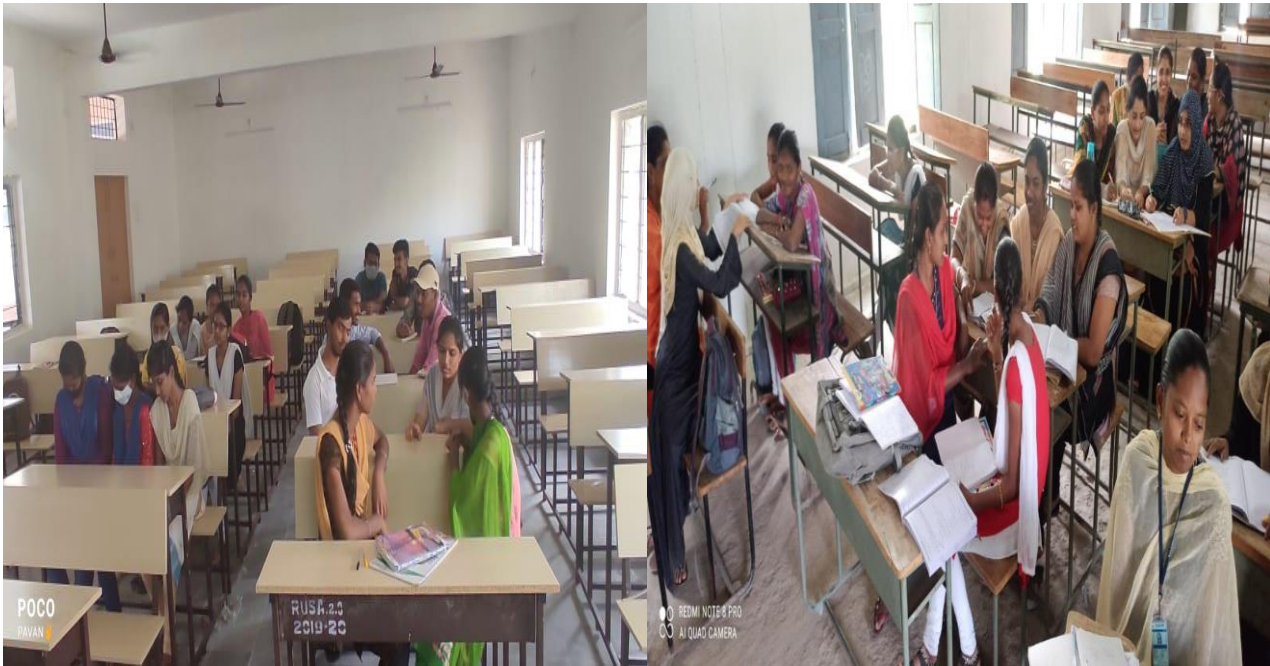
Student Seminar



Student Seminar

Quiz , Group Discussion :

- Group Discussion, Quiz, Debate and Online learning through digital platform is provided to the students to enhance the knowledge of the subject.
- Students are provided with question bank, study material.
- All round development of students are look after by the department.



Group Discussion



Toppers in Computer Science

STUDY PROJECTS

Student Study Project of academic year 2017-18

Student Name	Title
Seema	Software Job Skills
Umera Tehsin	
Sheema Sultana	
Shireen	
Rasheeda	

Student Study Project of academic year 2018-19

Student Name	Title
N.Uday Datta	Banking Sector in India
M.Vivek	
B.Gautam	
M.Prashanth	
Y.Arjun	

Student Study Project of academic year 2019-20

Student Name	Title
G.Naveen Kumar	Cellular Technologies
C.Sudeer	
B.Narasimha	
S.Pavan Kumar	
D.Amardeep	

Student Study Project of academic year 2020-21:

Student Name	Title
D.Prathyusha	Communication Types
Pujari Deepika	
C.Vaishnavi	
K.Lakshmi	
K.Laxmi	





Study Project Seminar

FIELD TRIPS

SBI FIELD WORK REPORT

“India is the world’s largest democracy,” reports the World Bank. “Over the past decade, the country’s integration into the global economy has been accompanied by economic growth. India has now emerged as a global player.”

For more than 200 years, State Bank of India (SBI) has been the country’s largest public sector bank, and its financial foundation. As many of the bank’s customers grew their wealth in recent years, the bank saw that people had new financial freedom and sought new opportunities. It also knew that this growth could empower India’s future as a global financial force.

But the key to that future is digital, especially now. “Digital financial inclusion was a development priority before the COVID-19 emergency; now, it is indispensable for both short-term relief and as a central element of broad-based, sustainable recovery efforts,”

The bank has 491 million customers. It has 260,000 employees; 22,500 worldwide branches administered by a headquarters; 17 local head offices; 101 zonal offices and 208 foreign offices in 36 countries. “Around 76 business units were part of the discussion when we started building YONO,”

key banking tasks such as transferring funds, paying bills or taxes, and analyzing spending. Customers could even plan a “cardless ATM withdrawal” — YONO gave them a 1-time code that they could enter at an ATM to withdraw cash without using their card

— perfect for giving family members cash, even if they live far away.

But the journeys also captured loan tasks such as applying for a home, car, school or agricultural loan. They captured financial service tasks such as purchasing insurance, mutual funds or securities, and other tasks for managing credit cards and checks. They even captured marketplace tasks such as shopping, filtering products and finding special deals for YONO users.

Intelligent workflows now apply technologies such as AI, automation, blockchain, 5G, advanced analytics and cloud to change the trajectory and very nature of SBI work, adding greater visibility, real-time insights and the power to remediate problems across multiple business functions.

The final piece of YONO is dynamic data integration and analysis behind the scenes. That's powered by the IBM Cognos® Analytics solution, with insights and pattern detection from IBM SPSS® Statistics software and analysis storage in a purpose- built IBM Db2® Database.

By knowing all these facts about SBI, The students of B.Sc (computer science) has been experienced with banking operations. And they also knowing job skills of bank employees, eligibility for getting a job as PO/FIELD OFFICER/CLERK



State Bank of India Field Work

The post office runs arguably the oldest and the largest bank in India which has 37.40 crore accounts with outstanding balance of Rs 722482.08 crore. Unlike a PSU bank, the post office does not retain or leverage these deposits; they are all appropriated by the government. The post office is remunerated on a cost basis. It also provides life insurance to 1.36 crore policy holders.

The popular services provided by the post office include delivery of post cards, inland letters, envelopes, parcels, packets, books and newspapers as also financial services like money orders, savings accounts, and life insurance to name a few.

Post Office Savings Schemes

Post Office Savings Account(SB)

National Savings Recurring Deposit Account(RD)

National Savings Time Deposit Account(TD)

National Savings Monthly Income Account(MIS)

Senior Citizens Savings Scheme Account(SCSS)

Public Provident Fund Account(PPF)

Sukanya Samriddhi Account(SSA)

National Savings Certificates (VIIIth Issue) (NSC)

Kisan Vikas Patra(KVP)

The minimum deposit to open a Post Office Savings Account is Rs.500. The account can be opened in single or joint ownership by domestic customers. An interest rate of 4% p.a. is applicable to the deposits. You can avail of a cheque book, ATM card, e-banking and mobile banking services, and other services with the account on request.

5-Year Post Office Recurring Deposit Account (RD)

As the name suggests, the tenure of this RD account is fixed for five years. You can agree to a fixed monthly deposit payment starting from Rs.100 and earn interest at 5.8% p.a. The interest gets compounded quarterly. You can get a loan of up to 50% against the deposit you have already made in the account after completing 12 installments without defaulting.

Post Office Time Deposit Account (TD)

There are four possible tenures for Post Office Time Deposit Accounts you can choose from, i.e. 1 year, 2 years, 3 years, and 5 years. The minimum deposit allowed in this account is Rs.1,000. The interest is calculated quarterly but is payable on an annual basis. For a tenure of up to 3 years, the rate is 5.5% p.a. and it is 6.7% p.a. for a 5-year tenure.

Post Office Monthly Income Scheme Account (MIS)

You can deposit a sum of Rs.1,000 up to Rs.4.5 lakh in a single account and up to Rs.9 lakh in a joint account. An interest rate of 6.6% p.a. can be earned through this account. You can get monthly fixed income from the scheme. You cannot prematurely close the account before completing one year. Premature closure beyond one year can attract penalties.

Senior Citizen Savings Scheme (SCSS)

This is a government-backed retirement scheme that allows you to make a deposit of a lump sum in one instalment. The deposit can range from Rs.1,000 up to Rs.15 lakh. The scheme offers an interest rate of 7.4% p.a. Individuals above the age of 60 years are eligible to open this account.

15-Year Public Provident Fund Account (PPF)

Many salaried individuals prefer PPF as an investment and retirement tool as the scheme offers income tax deductions up to Rs.1.5 lakh per financial year. The minimum deposit required to open the account is Rs.500 and the upper limit is Rs.1.5 lakh.

Though the tenure of the account is 15 years, you only have to pay Rs.500 per financial year to keep the account active. An interest rate of 7.1% p.a. is offered by the scheme. The interest is compounded yearly. Also, the interest earned on this account is tax-free.

National Savings Certificates (NSC)

NSC comes with a tenure of five years where you need to make a minimum deposit of Rs.1,000. There is no maximum deposit defined for this account. With an interest rate of 6.8% p.a., the interest gets compounded annually and is paid out only at maturity.

An individual can open any number of accounts under the scheme. The certificate can be pledged or transferred as security to the housing finance company, banks, government companies, and others.

Kisan Vikas Patra (KVP)

The attraction of this scheme is that over the tenure of the account, your investment will be doubled. The minimum deposit for this account is Rs.1,000. As per the rates applicable to quarter 4 of the fiscal year 2020-21, the applicable interest rate is 6.9% p.a. And the tenure of the account is 124 months (10 years and 4 months). Please note that the tenure of the account varies with the variation in the interest rate.

Sukanya Samriddhi Accounts (SSA)

This is a government scheme dedicated to the financial well-being of the girl child. Only girl children below the age of 10 years are eligible to get the benefits of this account. The account must be opened and operated by parents or guardians.

The minimum deposit required is Rs.250 and a max of Rs.1.5 lakh per financial year. An interest rate of 7.6% p.a. Is applicable. The interest is calculated on a yearly basis and compounded annually. The guardian can operate the account until the girl child attains 18 years of age. The deposit can be made for a maximum of 15 years from the date of opening the account.

By knowing all these facts about Head Post Office, The students of B.Sc (computer science) has been experienced with Post Office operations. And they also knowing job skills of Postal employees, eligibility for getting a job as Post Master, Record Assistant, Post man in Postal Department.



Head Post Office Field Work

BSNL Office Field Work

DATA TRANSMISSION:

When we talk on the telephone we generally transmit a message to someone else. The message is made up of words that we speak into the telephone instrument. The human voice causes sound to be formed into words; these sounds are transmitted in the form of acoustical wave patterns into the telephone instrument where they are translated into electronic wave patterns. These wave patterns are transmitted over a channel to their destination where they are converted back into sound waves received by the human ear.

Frequency and Bandwidth:

Frequency is the rate at which a wave or cycle alternates between high and low (analog mode) or on and off (digital mode). For example, the lowest buz notes reproduced on a good stereo set may emanate a wave pattern as slow as 30 times (cycles) per second, while very high notes cause wave patterns to alternate as often as 20,000 times per second.

Bandwidth:

Bandwidth is the second concept important for transmission. This concept can be explained with the help of the traffic network mentioned earlier. If there is a two-way street, consisting of two single lanes, one in each direction, only one line of vehicles can travel in each direction. On a superhighway, however, there may be three or four lanes in each direction; cars may travel along these lanes, in parallel, each at its own rate of speed.

TRANSMISSION MEDIA:

Twisted Pairs

Twisted pairs are familiar to all of us as the copper wire telephone lines. These are of low frequency, and support a limited bandwidth (one voice channel) but can also be used for data communication at the lower speeds of 300bps. For higher speed or rates of data transfer, 4-wire leased lines may be used. The problems associated with this kind of transmission are: noise on the line, parity errors and so on. Twisted pairs are used for conventional voice telephone and telex services.

Optical Fibres:

Coaxial cables have limitations such as broadband transmission medium which can be overcome by the use of optical fibres. Optical fibres carry light waves (representing electrical impulses) by the principle of internal reflection. These fibres carry signals in the form of light, and hence can carry large volumes of data at high speed, and are resistant to interference.

Microwave Transmission :

Using space as transmission medium, microwave emanates from an origination point on earth, such as telephone exchange, where many individual messages have been concentrated. Because the microwave beam travels in a straight line, it is advantageous to place microwave towers on hills or mountains to minimise interference from land mass.

Satellite Transmission:

Satellites use microwave frequencies and techniques. Satellites used for message transmission (as opposed to those, which travel around the earth on strategic and meteorological missions) remain in constant position in relation to a fixed location on

earth; they are said to be in a geostationary orbit. This position allows the satellite to of data over a long distance.

NETWORKING AND TELECOMMUNICATIONS:

Networks

There are different interpretations for the term "networks". The Oxford English Dictionary states that "a network is an interconnected chain or system of immaterial things". A network usually consists of a formal arrangement whereby materials, information and services provided by a variety of types of libraries and/or other organisations are made available to all potential users.

Types of Networking

There are three types of networking, which may be said to have considerable impact on library and information services. They are: communication networks, computer networks and information networks.

Communication Networks

Communication networks are made up of transmission lines, concentrators, switching mechanisms and non-data processing components. Due to increased competition in the communication industry, new and specialised common carriers and value-added networks with data processing equipment, is also linked to communication networks.

Local Area Networks (LANs)

A Local Area Network connects a large number of different types of equipment, including computer terminals, fax, telex, CD ROM players, etc., on a single site. The majority of LANs use packet switching technology and offer very high transmission speeds - up to one hundred times faster than those available on public networks at present.

Metropolitan Area Networks

These type of networks generally cover specific metropolitan area and provide to them all the services.

Wide Area Networks (WANs)

Wide Area Networks (WANs) are private networks linking equipment at several different sites and have much in common -with conventional large scale data networks.





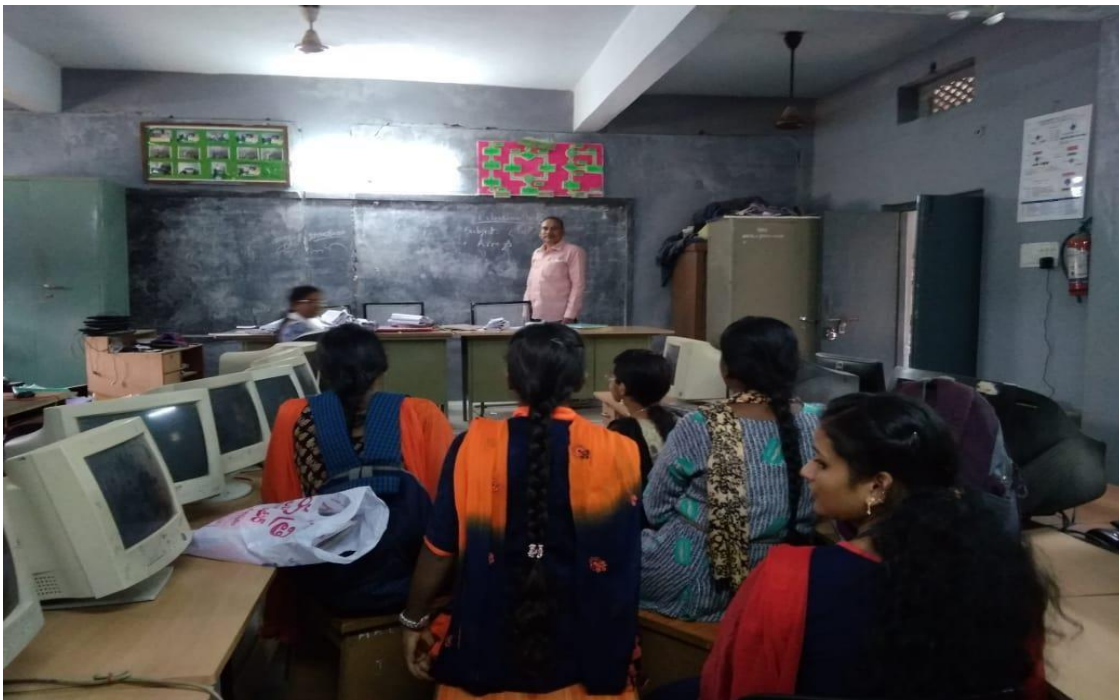
Gadwal Telephone Exchange Field Work

CERTIFICATE COURSE

CERTIFICATE COURSE in Spoken tutorial in Linux (2016-17)

A certificate program is a specialized education designed to develop or strengthen specific career skills. A certificate program is considered continuing education in some cases because it builds on your knowledge of a particular career or industry. In other cases, it requires no prior education and can help you learn about a subject, career, or industry to pursue related jobs. The top advantages of certificate courses are:

- Interactive learning environment and networking opportunities.
- Better career opportunities in the job market.
- Enhance professional credibility.
- Extends knowledge and skills
- Skills development.





Certificate presentation to student

M.A.L.D. GOVERNMENT DEGREE COLLEGE - GADWAL

Accredited with "B" Grade by NAAC
Affiliated to Palamuru University

Jogulamba Gadwal District, Telangana State.



Course Certificate

This is certify that Mr. / Mrs. G. Indira Kumar
Roll No. 16633024468011 Studying B.Sc (Computer Science) has completed
the Certificate Course in Spoken Tutorial on Linux
conducted by the Department of Computer M.A.L.D. Government Degree College, Gadwal
from 26/01/2016 to 26/08/2016.

D. H. B. Babu
Course Co-ordinator

Convenor

[Signature]
Principal
M.A.L.D. Government Degree College
GADWAL 509101

Certificate Course in **Spoken tutorial in C & C++** (2019-2020)



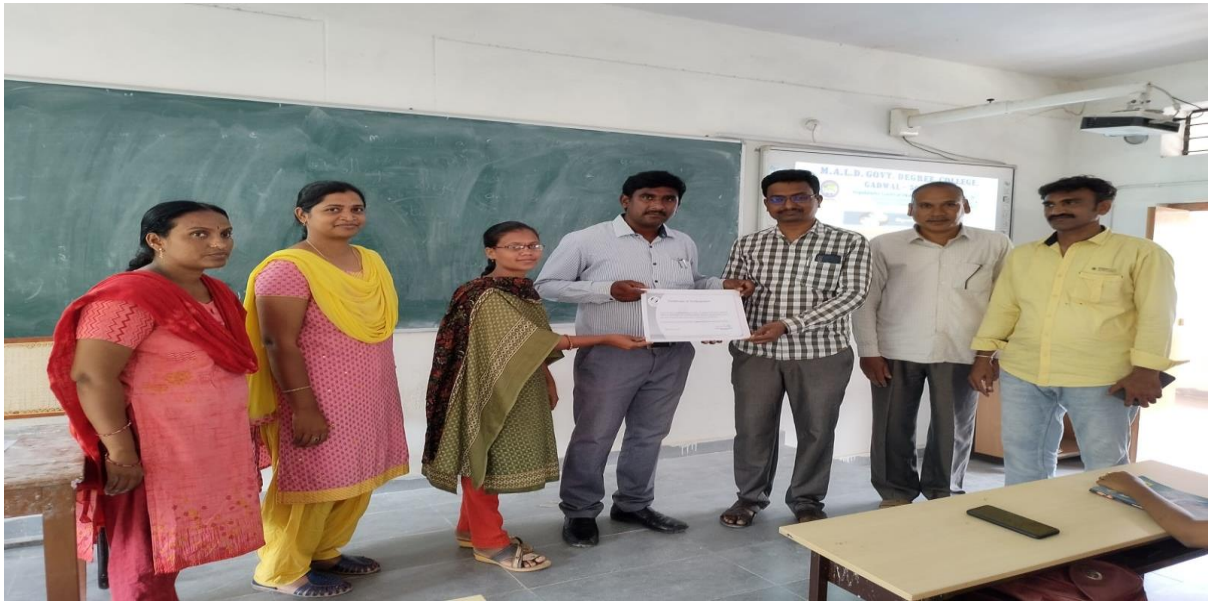
Conducted certificate course on C & C++ . Students acquiring extra knowledge on these programming languages. Faculty teach in digital way and provide lab to gain practical knowledge. They are trying to perform the programs on their own. though they fail, they still try and learning the concepts of programming languages.

Certificate issued:



Certificate Course in Spoken tutorial in C & Python (2021-2022)





PG ENTRANCE CLASSES

The Department of Computer Science will conduct free coaching classes for M.Sc. (Computer Science) Entrance. This helps students for the guidance of PG classes. Faculty teaches as well as provide material of the classes. Students get benefited with this because all the students cant go for coaching at different places and pay for them. So, we provide a good opportunity for the students and help them for their preparation.



STUDENT SUPPORT AND PROGRESSION:
MALD GOVERNMENT DEGREE COLLEGE, GADWAL
JOGULAMBA GADAL DIST. TELANGANA-509125
AFFILIATED TO PALAMURU UNIVERSITY
RE-ACCREDITED – 'B' BY NAAC



MALD GOVERNMENT DEGREE COLLEGE, GADWAL
JOGULAMBA GADAL DIST. TELANGANA-509125
AFFILIATED TO PALAMURU UNIVERSITY
RE-ACCREDITED – 'B' BY NAAC



CPGET - 2019

Osmania University

Phase - III

Date 05-11-2019

Provisional Allotment Card

Allotment No.	: 33757	Category	: OC
H.T.No	: 63095770315	Rank	: 495
Name	: K SAIKIRAN	Gender	: M
Father's Name	: K NARSING RAO	Region	: OU
Parental Income	: Lower	Payment Transaction	: 532495
Course Fee Rs	: 24700/-	Fee To Be Paid Rs.	: 700 /-
Fee Paid in 1 st or 2 nd Phase Rs.	: 700/-		

This is to inform that from the options exercised by you and based on your Merit, Rank, Local area, Gender, Category you have been allotted a seat in
College : PU PG Centre, Gadwal [Payment]

Course & Subject : M.Sc. Computer Science

Alloted Category : OPEN_OU_GEN

Candidates are informed that the amount shown against the entry total fee payable / refundable is subject to verification of the actual fee paid through online payment in the Third phase of allotment. If already paid in Phase-I / Phase-II, Pay the difference amount.

The students belonging to SC/ST/BC/EBC/PH categories will be considered for Reimbursement of Tuition Fee (RTF) which is subject to verification and eligibility criteria prescribed by Government of Telangana from time to time. In the event of non eligibility for fee reimbursement, the candidate shall have to pay the total fee.

Instructions to Candidates:

UG Hall Ticket No: 16033024468030

Passed out in the year - 2019

PRINCIPAL
M.A.L.D. Govt. Arts & Science College
GADWAL - 509 125

PALAMURU UNIVERSITY



UNIVERSITY POST GRADUATE CENTRE
GADWAL, Mahabubnagar Dist., Telangana.

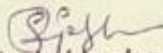
No. 2002504001

Date. 27.04.2021

Bonafide Cum Conduct Certificate

This is to certify that Mr/Ms. S. SAITEJA

S/o., D/o. S. RAMANJANEYULU is /was a student of this
college studying / studied in M.Sc. COMPUTER SCIENCE Course, with
Roll No. 2002 504 001 during the academic
years 2020-2021 His/her Conduct is Good


Clerk/Incharge


Principal

ISSUED FOR SCHOLARSHIP PURPOSE

UG Hall Ticket No 17033024468051

Passed : 2019-20

DEPARTMENT LIBRARY

Department of Computer Science maintains a separate library consisting books of different programming languages. Library consists some of the text books and reference books related to semester for faculty and students.



Students reading at Department library

Extra Curricular Activities:



Trees Plantation in front of Class rooms

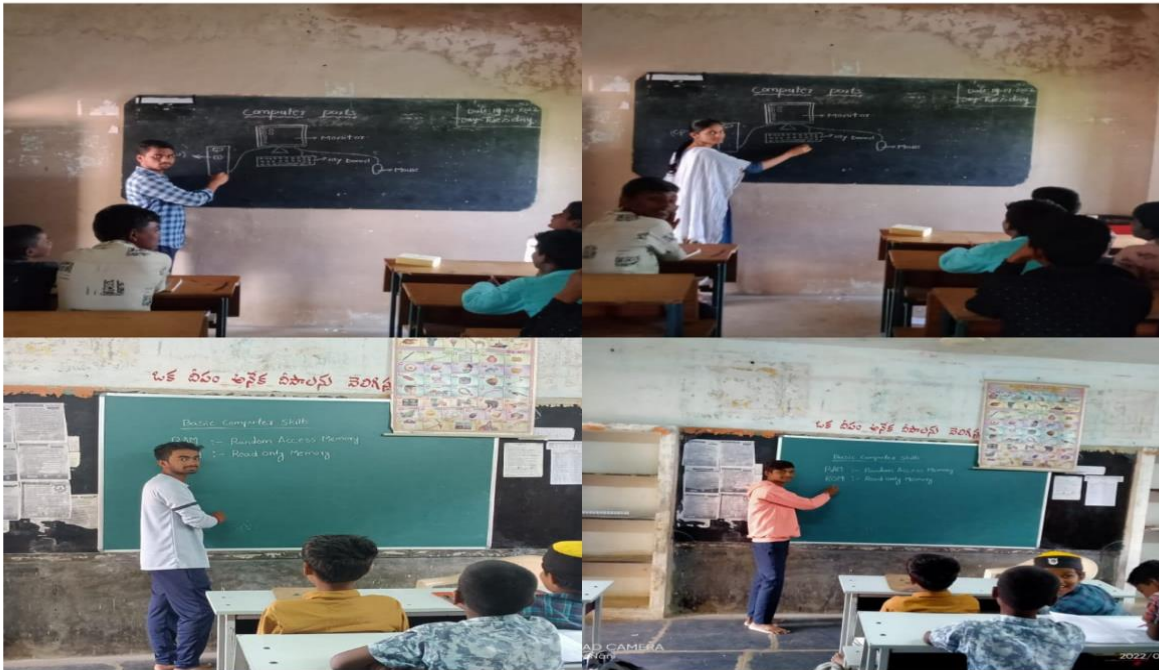


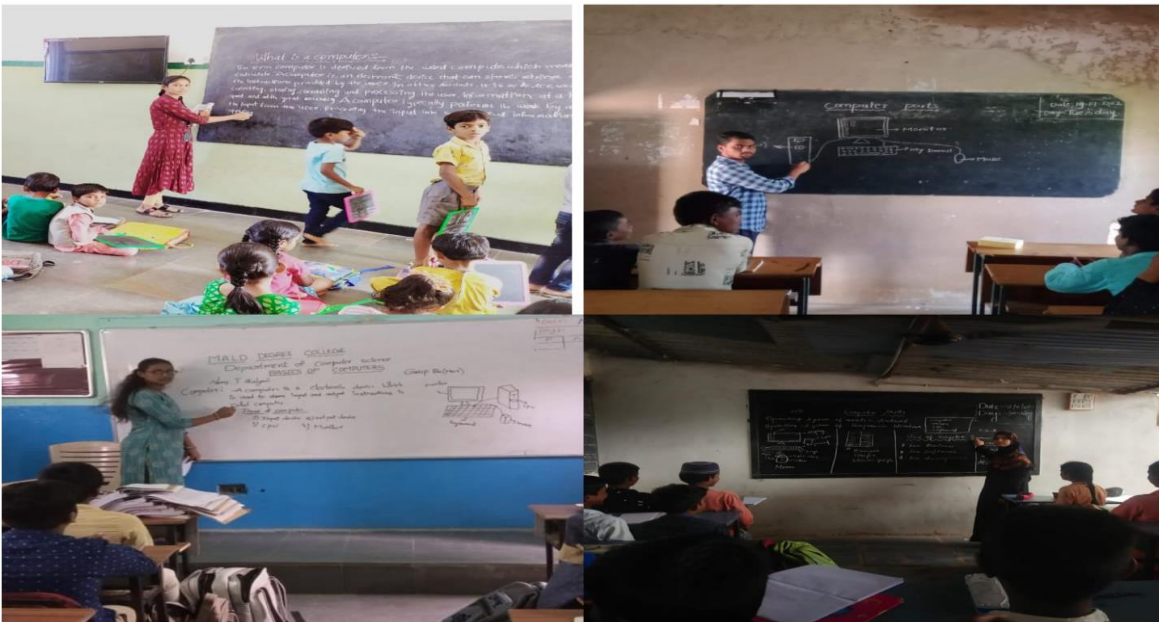
Service at Blood Donation Camp

Social Service Responsibility of Students and Faculty



Teaching of Computer skills class at Dayananda Vidya Mandir, Veda Nagar, Gadwal





Computer Skills teaching by B.Sc Computer Science to School Students