

# **GOVERNMENT DEGREE COLLEGE SHANTHINGAR**

JOGULAMBAGADWAL - 509125 (T.S)



## **DEPARTMENT PROFILE**

## **DEPARTMENT OF COMPUTER SCIENCE**

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## **HISTORY OF THE DEPARTMENT**

The Department of Computer Science has been functioning since 2017. This department was given affiliated to the Palamuru University in the same academic year when it was given affiliation to B.COM(C),T/M E/M and MPCs –E/M courses.

There are no sanctioned posts since its inception, but as per the workload one faculty member has been working as Guest faculty under self-financing course. The college has been representing the CCE- TS for the sanctioning of post.

The department has been sharing the responsibility along with the other departments in providing the quality education to the economically and socially backward students who join in this college and also striving hard to transform them into completely developed educated men & women who can face the present age challenges.

## **OBJECTIVES**

Computer science is a branch of science and technology that encompasses all aspects of a computer system including computer software, hardware and networking.

The rise of information technology or IT has profoundly affected modern society. Consequently, computers have become devices of daily use.

IT is playing a crucial role. World Wide Web and advanced IT tools have created new opportunities hence the department has a clear objective to transform our normal students as computer literate students who can face the latest software applications.

## COURSES OFFERED

Course		Medium	Introduced	Types of Course
Bsc( PhysicalScience)	BSC (MPCS)	E/M	2017	Restructured(SelfFinance)
BSc (Life Science)	BZCA	E/M	2019	Restructured(SelfFinance)
B.com Computer Applications		E/M	2017	Restructured(SelfFinance)

### Annual/semester/choice based credit system (Programmewise)

Course		Medium	Type of Programme
BSc Physical Sciences	BSc ( MPCs )	EM	Semester CBCS
BSc Life Sciences	BZCA	EM	Semester CBCS
B.A. Computer Applications		EM	Semester CBCS

**STUDENT'S PROFILE FOR THE LAST FOUR ACADEMIC YEAR  
ACADEMIC YEAR 2018 - 19**

S.No	Course	Year	No. of Students belongs to Category						Total
			SC	ST	BC	OC	PHC	Muslims	
1	BCom- (CA)	I Yr.	1	0	5	1	0	2	9
2	BCom-(CA)	II Yr.	1	0	0	0	0	0	1
	<b>GRAND TOTAL</b>								<b>10</b>

S.No	Course	Year	No. of Students belongs to Category						Total
			SC	ST	BC	OC	PHC	Muslims	
1	MPCS	I Yr.	1	0	10	0	0	1	12
2	MPCS	II Yr.	0	0	3	0	0	0	3
	<b>GRAND TOTAL</b>								<b>15</b>

**ACADEMIC YEAR 2019 - 20**

S.No	Course	Year	No. of Students belongs to Category						Total
			SC	ST	BC	OC	PHC	Muslims	
1	B.Sc(MPCs)- EM	I Yr.	00	00	04	00	00	01	05
2	B.Sc(BZCA)- EM	I Yr.	00	00	01	00	00	00	01
3	B.Sc(MPCs)- EM	II Yr.	1	0	10	0	0	1	12
4	B.Sc(MPCs)- EM	III Yr.	0	0	3	0	0	0	03
	<b>GRAND TOTAL</b>								<b>21</b>

S.No	Course	Year	No. of Students belongs to Category						Total
			SC	ST	BC	OC	PHC	Muslims	
1	B.Com(CA)	I Yr.	3	0	12	1	0	2	18
2	B.Com(CA)	II Yr.	1	0	5	1	0	2	9
3	B.COM(CA)	III yr	1	0	0	0	0	0	1
	<b>GRAND TOTAL</b>								<b>28</b>

### ACADEMIC YEAR 2020 -21

S.No	Course	Year	No. of Students belongs to Category						Total
			SC	ST	BC	OC	PHC	Muslims	
1	B.Sc(MPCs)- EM	<b>I Yr.</b>	01	0	06	02	00	00	09
2	B.Sc(MPCs)- EM	<b>II Yr.</b>	00	00	04	00	00	01	05
3	B.Sc(BZCs)- EM	<b>II Yr.</b>	0	0	1	0	0	0	1
4	B.Sc(MPCs)- EM	<b>III Yr.</b>	1	0	10	0	0	1	12
	<b>GRAND TOTAL</b>								<b>27</b>

S.No	Course	Year	No. of Students belongs to Category						Total
			SC	ST	BC	OC	PHC	Muslims	
1	B.Com-(CA)	<b>I Yr.</b>	6	0	18	0	0	1	25
2	B.Com(CA)	<b>II Yr.</b>	0	0	11	1	0	0	12
3	B.Com(CA)	<b>III Yr.</b>	1	0	7	1	0	0	9
4	B.A(CA)	<b>IYR</b>	0	0	02	0	0	0	2
	<b>GRAND TOTAL</b>								<b>48</b>


**ACADEMIC YEAR 2021 –22**

S.No	Course	Year	No. of Students belongs to Category						Total
			SC	ST	BC	OC	PHC	Muslims	
1	B.Sc(MPCs)- EM	<b>I Yr.</b>	00	00	9	1	00	2	12
2	B.Sc(MPCs)- EM	<b>II Yr.</b>	00	00	04	00	00	01	05
3	B.Sc(MPCs)- EM	<b>III Yr.</b>	00	00	01	00	00	00	01
4	B.Sc(BZCs)- EM	<b>III Yr.</b>	1	0	10	0	0	1	12
	<b>GRAND TOTAL</b>								<b>53</b>

S.No	Course	Year	No. of Students belongs to Category						Total
			SC	ST	BC	OC	PHC	Muslims	
1	B.Com(CA)	<b>I Yr.</b>	02	00	12	00	00	00	41
2	B.Com(CA)	<b>II Yr.</b>	04	00	14	00	00	01	19
3	B.Com(CA)	<b>III Yr.</b>	00	00	11	01	00	00	12
4	B.A(CA)	<b>I Yr</b>	0	0	02	0	0	0	04
	<b>GRAND TOTAL</b>								<b>78</b>


**DETAILS OF THE SANCTION POSTS AND NO. OF TEACHING STAFF  
WORKING**

**STAFF PARTICULARS**

Sl.No	Name of the faculty	Designation	Qualifications	Experience	Photo
1	H PRASAD	Guest Faculty	M.TECH (CSE)	03	



## INDIVIDUAL PROFILE OF THE FACULTY

<b>Name of the candidate</b>	 <b>H Prasad</b>
<b>Date of appointment</b>	15/11/2021
<b>Date of birth</b>	09/02/1991
<b>10<sup>th</sup> Standard</b>	RHS,Shanthinagar
<b>Intermediate</b>	Sri Laxmi Nagi Reddy junior College,Shanthinagar.
<b>Under Graduate</b>	MIET Eng.College, Jaggiahpeta.
<b>Post Graduate</b> <b>M.Tech</b>	JPNCE,Mahaboobnagar
<b>Address</b>	5-49,Shanthinagar ,Waddepally mdl,Jogulamba Gadwal Dist.
<b>Experience</b>	3 Years in Teaching

**Government Degree College Shanthinagar, Shanthinagar – 509126**  
**Time Table for B.Sc ( MPCS ) - I Yr, II Yr & III Yr : 2020 - 2021**

DAY	Year	I Period	II Period	III Period	01:00 to 1:30	IV Period	V Period	VI Period
		10:00 to 11:00	11:00 to 12:00	12:00 to 1:00		1:30 to 2:30	2:30 to 3:30	3:30 to 4:30
MONDAY	I Yr	LAB		C-lang	L U N C H  B R E A K	FIT		
	II Yr					DATA STRUCTURES	W.T	
	III Yr					LAB		JAVA
TUESDAY	I Yr	LAB						FIT
	II Yr		RDBMS	DATA STRUCTURES				
	III Yr			JAVA		C1-LAB		
WEDNESDAY	I Yr	LAB		C-lang				
	II Yr						DS	
	III Yr		S/E			LAB		
THURSDAY	I Yr					C-lang		
	II Yr	LAB		DS				
	III Yr		S/E		LAB			
FRIDAY	I Yr							
	II Yr	LAB						
	III Yr	S/E			LAB			
SATURDAY	I Yr			C-lang				
	II Yr	LAB						
	III Yr	JAVA				LAB		

## WORKLOAD STATEMENT

As per the norms stipulated by Mathematics Department of Palamuru University, the Workload particulars of department are shown below

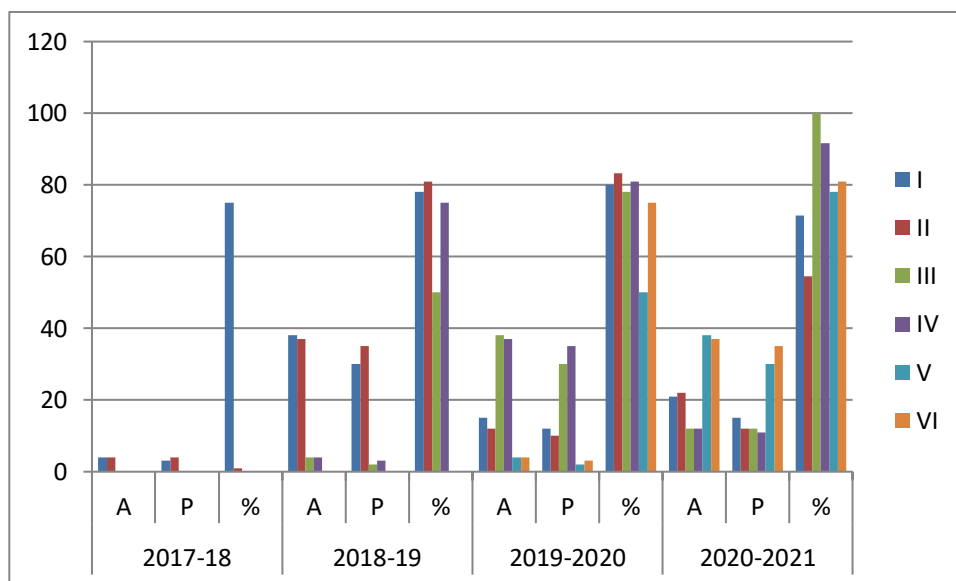
S.NO	CLASS	GROUPS	NO OF SECTIONS	TOTAL WORK LOAD IN HOURS
1	B. Sc -I	MPCS	1	6
2	B. Sc- II	MPCS	1	6
3	B. Sc- III	MPCS	1	6
TOTAL			3	18

S.N O	CLASS	GROUPS	NO OF SECTIONS	TOTAL WORK LOAD IN HOURS
1	BCOM-I	CA	1	6
2	BCOM-II	CA	1	6
3	BCOM-III	CA	1	6
TOTAL			3	18

## ACADEMIC PERFORMANCE (RESULTS ANALYSYS SEMSTER WISE PATTERN) FOR THE LAST FOUR YEARS.

### Bcom Computer Result Analysis

A.Y	2017-18			2018-19			2019-2020			2020-2021		
	A	P	%	A	P	%	A	P	%	A	P	%
I	4	3	75	38	30	78	15	12	80	21	15	71.42
II	4	4	100%	37	35	81	12	10	83.33	22	12	54.54
III				4	2	50	38	30	78	12	12	100
IV				4	3	75	37	35	81	12	11	91.66
V							4	2	50	38	30	78
VI							4	3	75	37	35	81



A= Appeared P= Pass

NA= NOT APPLICABLE AS THOSE BATCHES STUDIED SEMESTER WISE NOT IN YEAR WISE PATTERN

### **SYLLABUS:**

The college is affiliated to Palamuru University, Mahaboob Nagar. Hence common core syllabus prescribed by the university is followed. The paper wise particulars are as follows:

#### **B.Com (Computer Application) - I Year English Medium**

<b>I Semester</b>	<b>II Semester</b>
Fundamentals of Information Technology	Programming with C&C++

#### **B.Com (Computer Applications)-II Year Telugu & English Medium**

<b>III Semester</b>	<b>IV Semester</b>
Relational Database Management System	Web Technologies

#### **B.Com (Computer Applications)-III Year Telugu & English Medium**

<b>V Semester</b>	<b>VI Semester</b>
E- Commerce	Mobile Applications

#### **B.Sc (Computer Science ) - I Year English Medium**

<b>I Semester</b>	<b>II Semester</b>
Programming in C	Programming inC++

#### **B.Sc (Computer Science )-II Year Telugu & English Medium**

<b>III Semester</b>	<b>IV Semester</b>
Data Structure	Database Management System

#### **B.Sc (Computer science )-III Year Telugu & English Medium**

<b>V Semester</b>	<b>VI Semester</b>
Programming in Java	Web Technologies

## **HIGHLIGHTS OF THE DEPARTMENTS**

### **TEACHING PRACTICES**

**A. Annual Academic Plan:** In the beginning of the academic year, the academic plan is discussed with principal as per working days available during the academic year.

**B. Teaching Diaries:** Prescribed Digital teaching diary is supplied by the Commissionerate Of Collegiate Education, Hyderabad to record the Co-curricular and extra-curricular by the Faculty. It is a regular practice of faculty members to write daily academic activity on the same day. It is reviewed by the Incharge once in a week and once in a month by the Head of the Institution.

**D. Review of Syllabus:** The In charge of the department is responsible for review of syllabus. On the basis of teaching diaries and annual curricular plan, the In charge reviews the syllabus and academic activities. The same information is mentioned in the minutes. If any faculty member is unable to complete the syllabus and other academic activities as per Annual Curricular Plan (ACP), he is instructed to cover the same in the subsequent months.

### **MODERN METHODS OF TEACHING**

Our lab maintains the 22 PCs with all Wi-Fi Connection, Internet Connectivity with 100 mbps speed and maintaining all Softwares fully licensed.

To create interest and to motivate students, Information and Communication Technology is being used by the faculty such as:

- 1) Power Point Presentation
  - a) By Faculty
  - b) By Students
- 2) Use of LCD
- 3) Use of Projector
- 4) Online Lessons

### **ADDITIONAL INPUTS**

It is a regular feature of the department to collect information from news papers, Journals, magazines, internet and Websites. The information is affixed on notice board and the copies of the clippings are filed in the folder for future reference.

**A. Class Room Seminars:** The department of Computer Science and Application organizes class room seminars to the students on various subjects of computer . A few students make power point presentations and many of the students make paper presentation also.

**B. Extension Lectures:** The department of Computer science is not confined to the boundaries of the four walls of the class room. The students of Computers are exposed to Lectures and intellectuals from computer fields. Some of the extension lectures organized are:

### **ORGANISATION**

With regard to organization ,the department of Computer Science also involves in different activities of the college. The activities under organization are given here.

**1. Departmental Meetings:** In the department,there are various activities viz., academic, evaluation Research, Career guidance, Guest Lecturers, extension Lectures, Field visits and panel discussion etc. For co-ordination of the activities a separate departmental meeting is conducted from time to time and the information is recorded in the departmental minutes.

**2. Working in Committees:** The members of the department are very active and dynamic. They are included in various committees of the college. Their contribution for the college development is significant and remarkable.

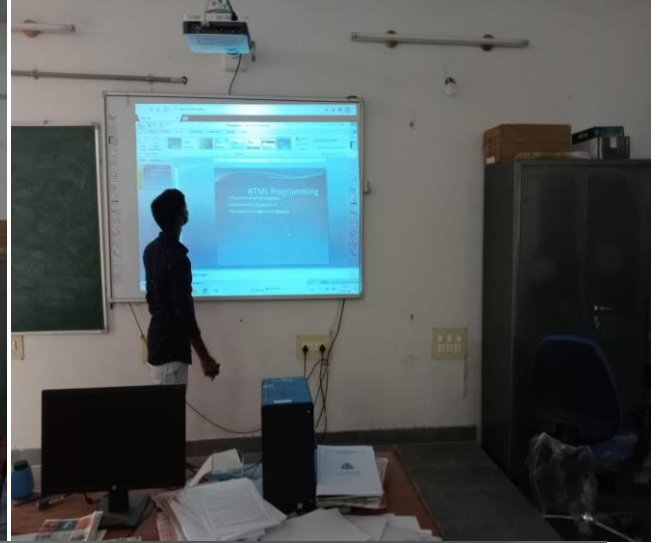
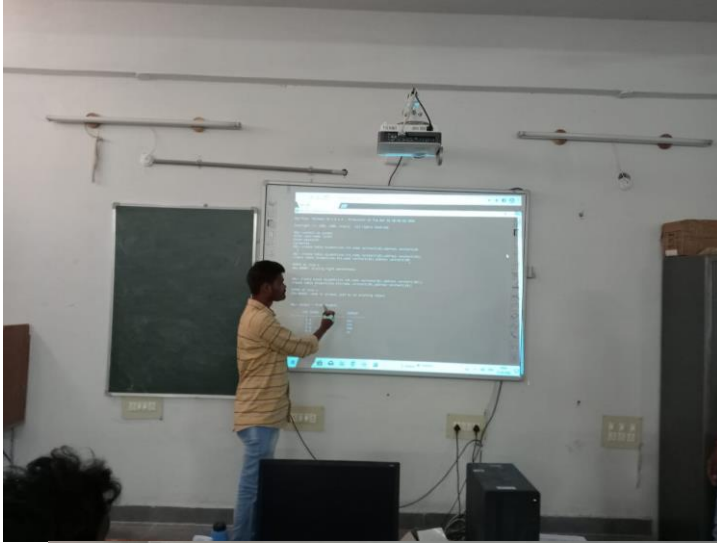
## **ACTION PLAN**

Motivate the students to learn the soft skills like computers, spoken English and Mental Ability to enhance their employability potential.

1. To organize more number of Guest/Extension Lecturers by inviting eminent personalities.
2. To organize Personality Development Classes for the overall department of the students.
3. To adopt new learning methods viz., group discussions, debates, Quiz and panel discussions, peer teaching, seminar, case method, etc.,
4. To organize more number of industrial forms, educational forms and field visits.
5. To conduct a campus placement job mela with corporate Sector like Infosys, ICICI, Reddy Lab, etc.,
6. To Increase the use of ICT for Teaching, Learning and Evaluation.
7. To conduct bridge course for non-commerce students, communication skills for Telugu medium students.
8. To motivate and encourage students to participate in NSS, activities and other co-curricular and extra-curricular activities.



# ICT



## QUIZ COMPETITION

The department is conducting Quiz Competitions regularly on various subjects.



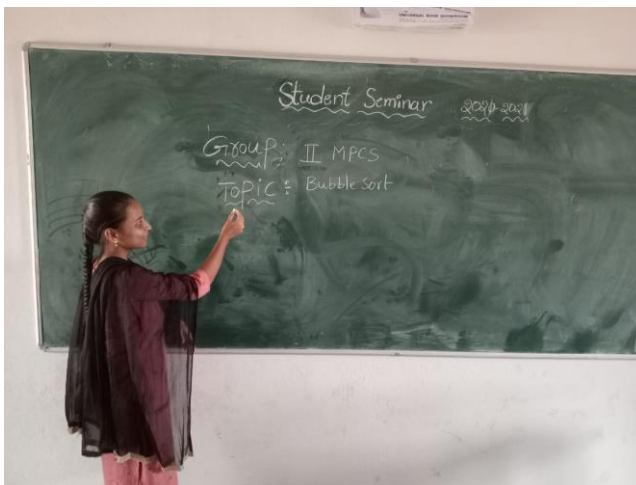
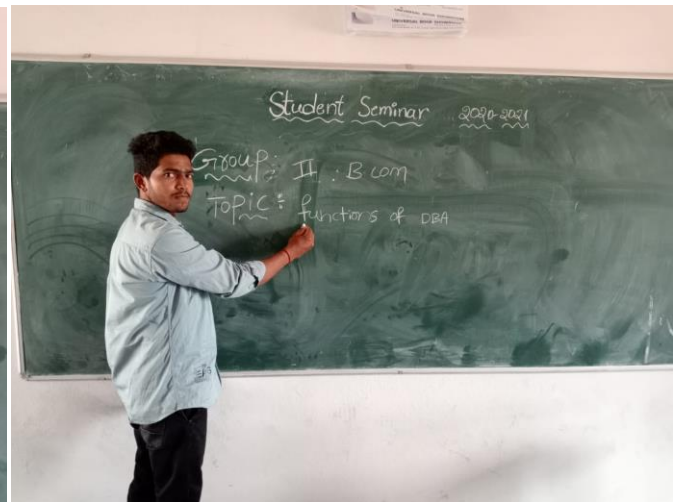
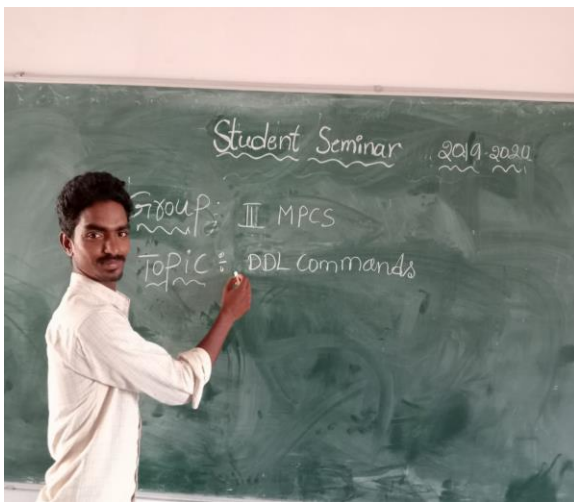
## EXTENSION LECTURES

Every year, our department is conducting Extension Lectures from different lecturers from other colleges. They teach classes extended to the syllabus in the curriculum. It is very helpful to the students in their career. And also we are maintaining the record for the extension lectures.



## STUDENT SEMINARS

Every year, our department is conducting student seminars on various subjects. This helps the students to improve their skills. The students also showing interest and participating in the seminars very actively. We are keeping record of the student seminars.



## **STRENGTHS**

- a. Competent, dedicated and qualified faculty member.
- b. Having well equipped two computer lab.
- c. Curriculum designed by the affiliated University to meet needs of higher education and industries.
- d. Extension lectures, Students seminars
- e. Conducting all the internals and all other exams.

## **WEAKNESSES**

- a. The in adequate no. of teaching faculty as per the workload.

## **OPPORTUNITIES**

- a. All the students and faculty will be given training to learn the usage of Web-technologies and other soft skills.

## **CHALLENGES**

- a. Most of the students who opt the computer science are from rural back ground.They are poor in English and unable to understand the concepts of computer language and technology. .

## **FUTURE PLANS**

- a. To start certificate courses and add-on Courses.
- b. To start full-fledged internet Centre.

Thank you