

Government Degree College, Eturnagaram, Telangana

OF COMPUTER SCIENCE AND APPLICATIONS (2015-2021)

INTRODUCTION & BRIEF HISTORY OF THE DEPARTMENT

About Department of Computer Science & Computer Applications:

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. The Department of Computer Science and Applications was started in the year 2014-15 with introducing of self-finance courses to provide more job-oriented courses. The Department was started with B.Sc. Computer Science and B.Com Computer Applications with intake of 60 students in each group.

The Principals, In charges of department development Committee contributed to the development of this department and rendered their services for the improve the department.

Vision

To become a center of Excellence offering quality education and innovation in Computer Science and Information Technology to meet out the societal needs. The course offers a combination of science subjects like mathematics, Physics, Accounts, statistics and computer science to facilitate the student in pursuing higher studies.

Mission

- To develop the students to excel in the field of Computer Science and Information Technology.
- To motivate and prepare the students to pursue higher studies and to develop sustainable innovative solutions for the society.

B.Sc. (Computer Science) and **B.Com.** (Computer Applications):

What is it about?

B.Sc. Computer Science and Computer Applications is the study of principles and

fundamentals of computers, where latest technologies and trends are the most important topics.

The course empowers students to deal with the technicalities and issues with authorized

knowledge of databases and analytical skills.

The course equips students to work as Software Engineers in renowned IT companies

that offer them a decent salary that increases with experience and expertise. It is concerned with

understanding, designing, execution and solving issues related to computer systems and

applications.

B.Sc. Computer Science and Computer Applications educate students with computing

methods that have their roots in concepts of mathematics and logics. The course imparts

knowledge about programming and database requisitions.HTML programming and Object

Oriented programming is what students are taught for tackling problems prevailing in Software

Industry. Students also learn to develop competence in process and product standards.

Students can go for MCA, and M.Sc. (Computer Science) and MBA after completing

B.Sc. (Computer Science) and B.Com.(CA) which can be highly beneficial for them as they can

aim for better job placements.

Dept of Computer Science & Computer Applications Government Degree College, Eturnagaram

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Program Educational Objectives

- Graduates of the Bachelor of Science in Computer Science program 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.

Program Outcomes: Computer Science

PO1:Generating students with overall skill ability catering wide career opportunities globally and also meeting the requirements of industries.

PO2:Advanced learning techniques for students aiming to be a part of various research institutes were carried out by each of the science faculties.

PO3: Students will be able to apply mathematical and computing theoretical concepts in solution of common computing applications, such as computing the order of an algorithm.

PO4: Get employment in IT fields.

PO5: Develop a program for system based applications and web page creation for business enterprises.

Program Specific Outcomes(PSO'S):

PSO1:.An ability to identify, formulate, and develop solutions to computational challenges.

PSO2:Students will be able to complete successfully be able to program small-to-mid-size programs on their own.

PSO3:An ability to function effectively on teams to accomplish shared computing design, evaluation, or implementation goals.

PSO4:An understanding of professional, ethical, legal, security, and social issues and responsibilities for the computing profession.

PSO5:An ability to analyze impacts of computing on individuals, organizations, and society.

PSO6:An ability to use appropriate techniques, skills, and tools necessary for computing practice.

PSO7:An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computational systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.

PSO8:An ability to apply design and development principles in the construction of software systems of varying complexity

Course Outcomes: Computer Science & Computer Applications

https://ccets.cgg.gov.in/Uploads/files/buttonDetails/52048.pdf

Courses offered by the Department:

		Year of
S. No.	Name of the Course	
		introduction
1	B.Sc. (Mathematics, Physics, Computer Science) –E / M	2014-15
2	B.Sc.(Botany, Zoology, Computer Applications) – E/M	2018-19
2	B.Com. (Computer Applications) E/M	2014-15
3	B.A. (History, Economics, Computer Applications)	2018-19
4	B.A. (Economics, Political Science, Computer Applications)	2018-19
5	B.A. (History, Political Science, Computer Applications)	2018-19

List of the Faculty Members:

!	S. No.	Name of the Teaching Staff	Qualifications	Period	Experience
	1	K.Venkat Reddy	M.C.A	2018-20	6 Years
	1	P.Jeevaveni	M. Tech	2020-21	8 Years

Students Intake:

The Sanctioned Intake of the students in the department for the academic year 2020 – 2021 is

S. No.	Name of the Course	Sanctioned intake
1	B.Sc. (Mathematics, Physics, Computer Science) –E / M	60
2	B.Sc.(Botany, Zoology, Computer Applications) – E/M	25
2	B.Com. (Computer Applications) E/M	60
3	B.A. (History, Economics, Computer Applications)	25
4	B.A. (Economics, Political Science, Computer Applications)	25
5	B.A. (History, Political Science, Computer Applications)	25

Student's Strength Details:

Academic Year	Group	I YEAR	II YEAR	III YEAR	Total
2015 – 2016	B.Sc.(M.P.Cs.)	30	13		43
2015 – 2016	B.Com. (CA)	42	21		63
2016 – 2017	B.Sc.(M.P.Cs.)	19	24	11	54
2016-2017	B.Com. (CA)	26	41	16	83
2017– 2018	B.Sc.(M.P.Cs.)	28	16	23	67
2017 - 2018	B.Com. (CA)	27	22	28	77
2018 – 2019	B.Sc.(M.P.Cs.)	18	22	14	54
	B.Com. (CA)	24	17	13	54

	B.Sc.(BZCA)	0			
	B.A.(CA)	7			7
	B.Sc.(M.P.Cs.)	18	15	23	56
2019- 2020	B.Sc.(BZCA)				
	B.Com.(CA)	20	14	19	53
	B.A.(CA)		7		7
	B.Sc.(M.P.Cs.)	22	13	13	48
2020-21	B.Sc.(BZCA)				
	B.Com.(CA)	27	29	17	73
	B.A.(CA)			5	5

Departmental Action Plan for the academic year: 2019-20

S. No.	Month	Торіс
1.	June	 Departmental Meeting for Syllabus Sharing of Papers for this academic year Preparation of Department wise / Lecturer wise Annual curricular plan and maintain Teaching Diary & Teaching Notes. Commencement of classes for II & III Year students Admission Work Department wise & Lecturer wise progressive Result analysis
2.	July	 Orientation classes for I Year students To conduct the Assignment - I to II, III Year students
3.	August	 To conduct the Unit – I for II & III year students and recording of marks in proforma Add-on Courses
4.	September	 Collection of Feedback on every teacher To conduct the Unit – II for III Year students To conduct the Unit – I for I & III Semester students Remedial classes for III Year students Commencement of Teacher meet the Parents Commencement of Class Seminars.
5.	October	 Vacation & Supplementary Examinations To conduct the Internal Assessment for I & III Semester students Commencement of Class Seminars.
6.	November	 To conduct the Assignment – II for III Year students To conduct the Unit – III for III Year students Last instruction day for I & III Semester students Commencement of University Practical & Theory Examinations for I & III Semester students Remedial classes for II Year students
7.	December	Commencement of classes for II & IV Semester
8.	January	 To conduct the Pre-final Exams to III Year students To Display the list of Attendance for this month To conduct the Assignment – III for III Year students
9.	February	 Commencement of University Practical Examinations To conduct the Internal Assessment I to the II & IV Semester students Teacher meet the parents Commencement of Class Seminars.
10.	March	 Commencement of University Theory Annual Examinations (2019–20) Stock verification of Laboratory Conduct a certificate course to B.Sc. II & III Year Students
11.	April	 Conduct a certificate course to B.Sc. If & III Year Students To conduct the Internal Assessment II to the II Semester students Last instruction day for II & IV Semester students Commencement of University Practical & Theory Examinations for II & IV sem students

Departmental Action Plan for the academic year: 2018-19

S. No.	Month	Торіс
1.	June	 Departmental Meeting for Syllabus Sharing of Papers for this academic year Preparation of Department wise / Lecturer wise Annual curricular plan and maintain Teaching Diary & Teaching Notes. Commencement of classes for II & III Year students Admission Work Department wise & Lecturer wise progressive Result analysis
2.	July	 Orientation classes for I Year students To conduct the Assignment - I to II, III Year students
3.	August	 To conduct the Unit – I for II & III year students and recording of marks in proforma Add-on Courses
4.	September	 Collection of Feedback on every teacher To conduct the Unit – II for III Year students To conduct the Unit – I for I & III Semester students Remedial classes for III Year students Commencement of Teacher meet the Parents Commencement of Class Seminars.
5.	October	 Vacation & Supplementary Examinations Display the Study Projects & Competitions To conduct the Internal Assessment for I & III Semester students Commencement of Class Seminars.
6.	November	 To conduct the Assignment – II for III Year students To conduct the Unit – III for III Year students To conduct the Quarterly Exams in this month Last instruction day for I & III Semester students Commencement of University Practical & Theory Examinations for I & III Semester students Remedial classes for II Year students
7.	December	 To conduct the Half Yearly Exams Commencement of classes for II & IV Semester
8.	January	 To conduct the Pre-final Exams to III Year students To Display the list of Attendance for this month To conduct the Assignment – III for III Year students
9.	February	 Commencement of University Practical Examinations To conduct the Internal Assessment I to the II & IV Semester students Teacher meet the parents Commencement of Class Seminars.
10.	March	 Commencement of University Theory Annual Examinations (2018 – 19) Stock verification of Laboratory Conduct a certificate course to B.Sc. II & III Year Students

11.	April	To conduct the Internal Assessment II to the II Semester students
11.	Дріп	2. Last instruction day for II & IV Semester students
		3. Commencement of University Practical & Theory Examinations for II & IV sem students

Departmental Action Plan for the academic year: 2017-18

S. No.	Month	Торіс
1.	June	 Departmental Meeting for Syllabus Sharing of Papers for this academic year Preparation of Department wise / Lecturer wise Annual curricular plan and maintain Teaching Diary & Teaching Notes. Commencement of classes for II & III Year students Admission Work Department wise & Lecturer wise progressive Result analysis
2.	July	 Orientation classes for I Year students To conduct the Assignment - I to II, III Year students
3.	August	 To conduct the Unit – I for II & III year students and recording of marks in proforma Add-on Courses Commencement of Class Seminars.
4.	September	 Collection of Feedback on every teacher To conduct the Unit – II for III Year students To conduct the Unit – I for I & III Semester students Remedial classes for III Year students Commencement of Teacher meet the Parents Commencement of assignments.
5.	October	 Vacation & Supplementary Examinations Display the Study Projects & Competitions To conduct the Internal Assessment for I & III Semester students Commencement of Class Seminars.
6.	November	 To conduct the Assignment – II for III Year students To conduct the Unit – III for III Year students To conduct the Quarterly Exams in this month Last instruction day for I & III Semester students Commencement of University Practical & Theory Examinations for I & III Semester students Remedial classes for II Year students
7.	December	 To conduct the Half Yearly Exams Commencement of classes for II & IV Semester Conduct a certificate course to I Year Students
8.	January	 To conduct the Pre-final Exams to III Year students To Display the list of Attendance for this month To conduct the Assignment – III for III Year students Conduct a certificate course to B.Com. (CA) Students
9.	February	 Commencement of University Practical Examinations To conduct the Internal Assessment I to the II & IV Semester students Teacher meet the parents.

10.	March	1. Commencement of University Theory Annual Examinations (2017 – 18)
11.	April	 To conduct the Internal Assessment II to the II Semester students Last instruction day for II & IV Semester students Commencement of University Practical & Theory Examinations for II & IV Semester students

Departmental Action Plan for the academic year: 2016-17

S. No.	Month	Торіс
1.	June	 Departmental Meeting for Syllabus Sharing of Papers for this academic year Preparation of Department wise / Lecturer wise Annual curricular plan and maintain Teaching Diary & Teaching Notes. Commencement of classes for II & III Year students Admission Work Department wise & Lecturer wise progressive Result analysis
2.	July	Orientation classes for I Year students
3.	August	 To conduct the Assignment - I to II, III Year students To conduct the Unit – I for II & III year students and recording of marks in proforma Add-on Courses – Workshop to students on Hardware Devices Commencement of Class Seminars.
4.	September	 Collection of Feedback on every teacher To conduct the Unit – II for II & III Year students To conduct the Unit – I for I Year students Remedial classes for II & III Year students Commencement of Teacher meet the Parents Commencement of Class Seminars.
5.	October	Vacation & Supplementary Examinations To conduct the Internal Assessment for I Semester students
6.	November	 To conduct the Assignment – II for II, III Year students To conduct the Unit – III for II & III Year students To conduct the Quarterly Exams in this month Last instruction day for I Year I Semester students Commencement of University Practical & Theory Examinations for I Year I Semester students
7.	December	To conduct the Half Yearly Exams Commencement of classes for I Year II Semester
8.	January	1. To conduct the Pre-final Exams to II & III Year students 2. To Display the list of Attendance for this month 3. To conduct the Assignment – III for II, III Year students
9.	February	Commencement of University Practical Examinations To conduct the Internal Assessment I to the II Semester students Teacher meet the parents

10.	March	1. Commencement of University Theory Annual Examinations (2016 – 17)
11.	April	 To conduct the Internal Assessment II to the II Semester students Last instruction day for I Year II Semester students Commencement of University Practical & Theory Examinations for I Year II Semester students

Departmental Action Plan for the academic year: 2015-16

S. No.	Month	Торіс
		 Departmental Meeting for Syllabus Sharing of Papers for this academic year
		3. Preparation of Department wise / Lecturer wise Annual curricular plan and
1.	June	maintain Teaching Diary & Teaching Notes.
1.	Julic	4. Commencement of classes for II & III Year students
		5. Admission Work
		6. Department wise & Lecturer wise progressive Result analysis
		7. Commencement of Class Seminars.
_		Orientation classes for I Year students
2.	July	2. Commencement of Class Seminars.
		3. To conduct the Assignment - I to II, III Year students
		1. To conduct the Unit – I and recording of marks in profoma
3.	August	2. Add-on Courses – Workshop to students on Hardware Devices
		3. Remedial classes for II & III Year students
		4. Commencement of Class Seminars.
		Collection of Feedback on every teacher
4.	September	2. To conduct the Unit – II for II & III Year students
		3. To conduct the Unit – I for I Year students
		4. Commencement of Teacher meet the Parents
5.	October	1. Vacation & Supplementary Examinations
		1. To conduct the Assignment – II to I , II, III Year students
6.	November	2. To conduct the Unit – III for II & III Year students
		3. To conduct the Unit – II for I Year students
		4. To conduct the Quarterly Exams in this month
7.	December	1. To conduct the Unit – III for I Year students
7.	December	2. To conduct the Half Yearly Exams
		3. Commencement of Class Seminars.
8.	January	1. To conduct the Pre-final Exams to I, II & III Year students
0.	January	2. To Display the list of Attendance for this month
		3. Commencement of Class Seminars.
9.	February	Commencement of University Practical Examinations
		2. Teacher meet the parents
10.	March	 Commencement of University Theory Annual Examinations (2015 – 16)
		2. Stock verification of Laboratory

CURRICULUM ASPECTS

Departmental timetable:

GOVERNMENT DEGREE COLLEGE, ETURNAGARAM, MULUGU DIST. DEPARTMENT OF COMPUTER SCIENCE

TIME TABLE 2020-2021

		PERIOD	I	II	III	IV		V	VI	VII
DAY	GROUP	YEAR/TIME	10:00- 10:50	10:50 - 11:40	11:40 - 12:30	12.30- 1.20	2.00	2.00- 2.50	2.50- 3.40	3.40- 4.30
	MDC/	I	CS-I							
MON	MPC/ MPCs	II					TO	CS-II		
	WII CS	III				CS-III				
	MDC/	I	CS-I				.20P.M			
TUE	MPC/ MPCs	II				CS-II] ~			
	WII CS	Ш		CS-IV			5 0	CS-II	I LAB	
	MDC/	I			CS-I		_ _ _			
WED	MPC/ MPCs	II	CS-II						CS-II LAB	
	111 03	III		CS-IV						
	MDC/	I			CS-I		BREAK			
THU	MPC/ MPCs	II					\mathbb{E}_{A}			
	WII CS	Ш	CS-III				J⊋			
	MDC/	I					\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
FRI	MPC/ MPCs	II				CS-II	H			
	1111 03	III			CS-IV			CS-I	V LAB	
	MDC/	I					LUNCH		CS-I LAB	
SAT	MPC/ MPCs	II]			
	1,11 03	III	CS-III							

CS-I : SEM-I: Programming with C

SEM-III:Data Structures with C++

SEM-V(a):Programming in JAVA SEM-VI(a):Elements of Scripting language SEM-II:Programming with C++

SEM-IV:DBMS

SEM-V(b):Visual Programming SEM-VI(b):Operating Systems

TIME TABLE 2019-2020

		PERIOD	I	II	III	IV	I	V	VI	VII
DAY	GROUP	YEAR/TIME	10:00- 10:50	10:50 - 11:40	11:40 - 12:30	12.30- 1.20	2.00 P.M	2.00- 2.50	2.50- 3.40	3.40 - 4.30
	MDC/	I	CS-I				0.3	CS-II		
MON	MPC/ MPCs	II								
	MICS	III				CS-III	$\mathbf{T0}$			
	MOCI	I	CS-I							
TUE	MPC/ MPCs	II				CS-II	M	CS-II	I LAB	
	1111 05	III		CS-IV			P.			
	VED MPC/MPCs	I			CS-I		1.20P.M	C	S-II LAB	
WED		II	CS-II				Ť			
	1122 00	III		CS-IV						
	MDC/	I			CS-I		∠			
THU	MPC/ MPCs	II					A			
		III	CS-III				BREAK			
	MDC/	I					BF			
FRI	MPC/ MPCs	II				CS-II		CS-IV	LAB	
		III			CS-IV		CF	C	S-I LAB	_
	MDC/	I					LUNCH			
SAT	MPC/ MPCs	II					Γ			
	WII Cs	Ш	CS-III				I			

CS-I : SEM-I: Programming with C

SEM-III:DBMS

SEM-V(a):Programming in JAVA SEM-VI(a):Elements of Scripting language SEM-II:Programming with C++

SEM-IV :Data Structures and File Processing

SEM-V(b):Visual Programming SEM-VI(b):Operating Systems

Departmental time table 2018-19:

Departmentar				•				
	I	II	III	IV		V	VI	VII
	10:00-	10:50 -	11:40 -	12.30-		2.00-	2.50-	3.40-
DAY/PERIOD	10:50	11:40	12:30	1.20		2.50	3.40	4.30
MON		CS-I	CS-II	CS-III	<u>~</u>			
TUE	CS-I	CS-III		CS-II	Break		CS-IV	LAB
WED	CS-II	CS-III			Br	CS-II	I LAB	
THU	CS-IV		BSC-I		ch			
FRI			CS-IV	CS-II	lunch	CS-II	LAB	
SAT		CS-IV				CSI	LAB	

MPCS-I SEM-I:OOPS With C++
SEM-III:DBMS
SEM-V(a):Programming in JAVA
SEM-VI(a):Elements of Scripting language

SEM-II: Data Structures & File Processing SEM-IV: Design and Analysis of Algorithms SEM-V(b): Visual Programming SEM-VI(b): Operating Systems

Departmental time table 2017-18:

	I	II	III	IV		V	VI
DAY/PERIOD	10:00- 10:50	10:50 - 11:40	11:40 - 12:30	12.30- 1.20		2.00- 2.50	2.50- 3.40
MON	CS-I	CS-III				CS-II	
TUE	CS-I	CS-III			ak	CS-II	
WED	CS-I	CS-III		CS-IV LAB	Break	CS-IV LAB	
THU	CS-I	CS-IV		CS-III LAB	lunch	CS-III LAB	
FRI		CS-IV		CS-I LAB	luı	CS-I	LAB
SAT		CS-IV		CS-II LAB		CS-II	LAB

MPCS-I SEM-I:OOPS With C++ SEM-III:DBMS CS-III:GUI SEM-II: Data Structures & File Processing SEM-IV: Design and Analysis of Algorithms

Departmental time table 2016-17:

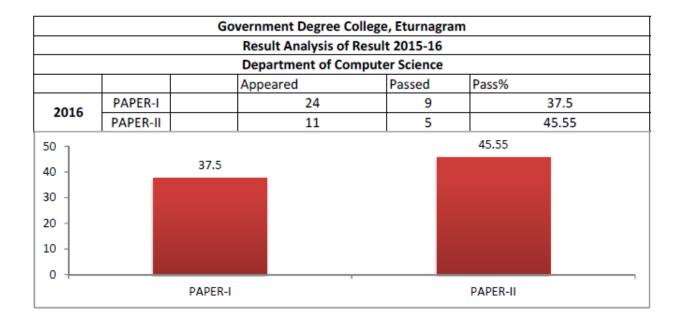
DAY/	I	II	III	IV		V	VI	VII
PERIOD	10:00- 10:50	10:50 - 11:40	11:40 - 12:30	12.30- 1.20		2.00- 2.50	2.50- 3.40	3.40- 4.30
	10.00			MPCS-		2.00	2110	1100
MON		MPCS-IV	MPCS-I	III		MPCS-II		
				MPCS-				
TUE		MPCS-IV	MPCS-I	III	ak			
				MPCS-	Break			
WED		MPCS-III	MPCS-I	IV	2			
				MPCS-	lunch			
THU		MPCS-III	MPCS-I	IV	Ĕ			
				CS-I]			
FRI		MPCS-III		LAB		CS-I	LAB	
				CS-II				
SAT		MPCS-IIV		LAB		CS-II	LAB	

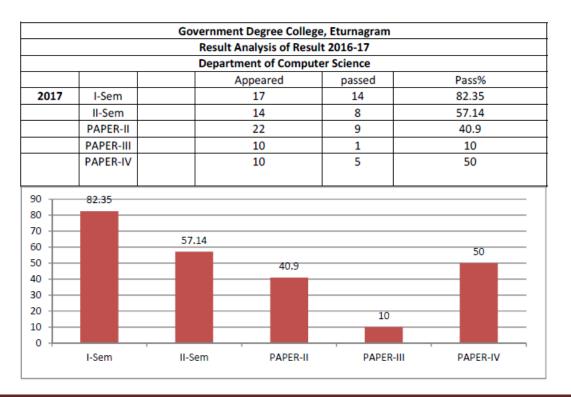
Annual Teaching Plan:

https://ccets.cgg.gov.in/Uploads/files/buttonDetails/52034.pdf

Academic Results:

Most of the students of this college belong to rural areas and their economic status is very poor. In the site of this, we are proud to mention that the results of this department is more than 70%





			nment Degree Colle sult Analysis of Res		-					
Department of Computer Science										
			Appeared	passed	P	ass%				
2018	I-Sem		23	8	3	4.78				
	II-Sem		20	8		40				
	III-Sem		14	5	3	5.71				
	IV-Sem		13	9	6	9.23				
	PAPER-III		20	20		100				
	PAPER-IV		20	20		100				
20 —										
					100	100				
00 +										
80 🕂				69.23						
50 📙				_						
	34.78	40	35.71							
40										
20 🕂										
0										
-	I-Sem	II-Sem	III-Sem	IV-Sem	PAPER-III	PAPER-IV				

Government Degree College, Eturnagram									
Result Analysis of Result 2018-19									
Department of Computer Science									
Appeared passed Pass%									
2019	I-Sem		18		10		55.55		
	II-Sem		12		9		75		
	III-Sem		21		7		33.33	1	
	IV-Sem		21		9		42.85	1	
	V-Sem	CPJ	12		1		8.33		
	V-Sem CVP 12 5		41.66						
	VI-Sem	m ECL 9 1 11.1		11.11	1.11				
	VI-Sem	OPS	9		8		88.88		
.00 —								88.88	
80		75							
-	55.55								
60			42.8	5		41.66			
40			33.33						
20				8.3	3		11,11		
				0.5					
0 +					_		_		

IV-Sem

V-Sem

V-Sem

VI-Sem

VI-Sem

		Gov		t Degree Co					
Departme	ent of Compu	ıter Science		inalysis of F appeared	tesuit 2	pass		Pas	s%
2020				17		1		5.8	
	II-Sem			13		1	3	10	0
	III-Sem			13		8	3	61.	53
	IV-Sem		13			1	3	10	0
	V-Sem	CPJ		22		19	9	86.	36
	V-Sem	CVP		23		14	4	60.	86
	VI-Sem	ECL		23		20	0	86.	95
	VI-Sem	OPS		23		2	2	95.	65
120 100 80 60 40 20 0	5.88	100	61.53	100	86.3	66	60.86	86.95	95.65
	I-Sem I	II-Sem II	II-Sem	IV-Sem	V-Se		CVP V-Sem	ECL VI-Sem	OPS VI-Sem

II-Sem

I-Sem

III-Sem

Co-Curricular Activities:

The Department has convened Student Seminars, Workshops, Field Trips, Quiz Programmes, Extension Lectures are conducted by eminent teachers to provide additional knowledge among the students.

Additional Curricular Activities:

We are allocated and guided Student project to fast learners to inculcate the research knowledge among the students, conducted quiz programs, group discussions on the related subjects, field trips are engaged to provide real world knowledge.

TEACHING, LEARNING AND EVALUATION

Teaching:

- Annual Academic Plans are prepared at the beginning of the academic year of the individual staff members and department.
- Every teacher followed Annual Academic Plan and maintained teaching dairy.
- Lecture-wise synopsis are prepared.
- Student Seminars, Group Discussions, Quiz Programmes, Workshops, Extension
 Lectures are conducted to grasp additional Knowledge.
- Audio Visual Aids, Power Point presentations used in teaching.
- Providing the study material and important question and answers in view of the examinations to the students.

Learning:

- Extension Lectures are arranged by the subject experts for enhancing learning process for students.
- Department Library is provided for students for reference of various books and study material.

- Quiz Programmes are conducted to improve the knowledge.
- Assignments on the subject topics are given to keep the students in continuous learning process.

Evaluation:

- As per our University norms, we conducted Internal, External and Practical Examinations.
- In the Evaluation of students, depending on the marks of the students they are categorized in to three types:
 - a) Fast Learners.
 - b) Average Learners.
 - c) Weak Learners.
 - a) Fast Learners: are assigned student seminars, student projects.
 - b) Average Learners: are given assignments to get additional knowledge.
 - c) Weak Learners: are provided Remedial coaching to cope up with the Average and Fast Learners.

STUDENT SEMINARS

Seminars are help them to convey their own ideas to their friends and teachers. They will start thinking about new things which they think could be implemented practically. Making students take seminars on the subject topics would always help them more to understand the subject. This would give them a chance to collect more information about the seminar topic they are provided with. The result is that they would learn the subject well. By taking seminars in front of their teachers and friends, the students will be able to talk before a crowd later in their life without any difficulty. Also they can learn their mistakes and can improve their seminar presentation skills. It is actually a great chance for the students to improve their skills within their curriculum. They can improve their language. By taking seminars they will become very able to interact with the people which will turn out to be useful in their later life. There is a wide spread impression about seminars.

Academic year 2020-21:

During this Academic Year (2020-21), we have conducted the student seminars on various topics related to Computer Science Subjects. A separate register is maintained by the Department.

		Topic	Details of Resource person	No of
S.No.	Date			participants
1	20/03/2021	Branching Statements	D.Sravya B.Sc. I Year	19
2	03/03/2021	Circular Linked List	P.Arun Jyothi B.Sc. II Year	15
3	23/03/2021	Control Structures in JAVA	Md.NehaThanveer B.Sc. III	15
4	09/03/2021	Types of Printers	J.Mahendra Kumar	25
5	25/02/2021	ER Model In RDBMS	K.Keerthana	18
6	25/02/2021	Classification of E-Commerce	J.Ravinder	18
7	06/03/2021	Arrays in C	D.Laya	23
8	23/03/2021	Control Structures In C	B.Madhumathi BZCA I Year	30
9	09/03/2021	Generations Of Computers	D.Spandana	30







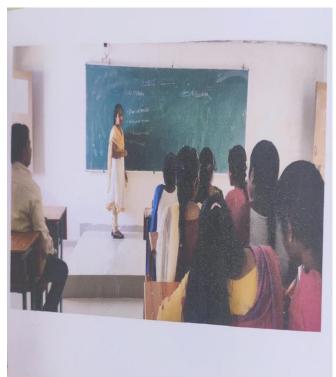


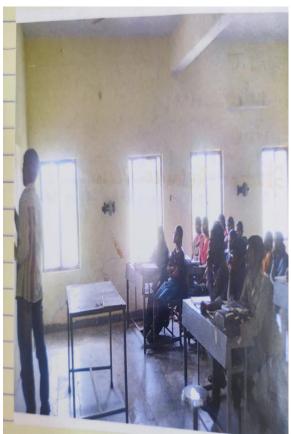


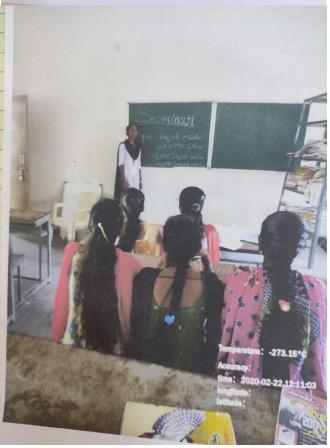


		Topic	Details of Resource	No of participants
S.No.	Date		person	
1	2019-20	Single Linked List	S.Lavanya B.Sc. II Year	15
2	2019-20	OOP Concepts	K.Rajkumar	22
3	2019-20	Data Models	P.Sai Nikhila B.SC. III Year	20
4	2019-20	ER Model	K.Bhumika	15
5	2018-19	OOP Benefits	Md.Neha B.Sc. I Year	20
6	2018-19	Functions in Java	B.Sandhya	15
7	2018-19	Working with Controls VB	G.Bhavani	24

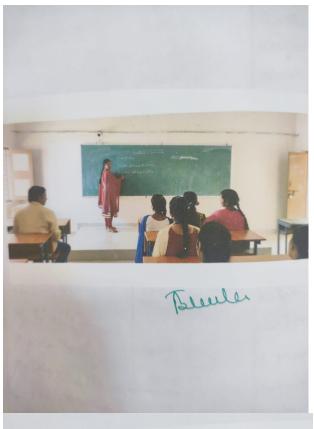








Dept of Computer Science & Computer Applications Government Degree College, Eturnagaram







QUIZ:

To reinvent the education system and give students a break from traditional classroom learning, there is a dire need to revive the quiz culture in colleges. Technology can act as a facilitator by bringing innovation to quizzes and ensuring active participation among students.

Interactive Platform:

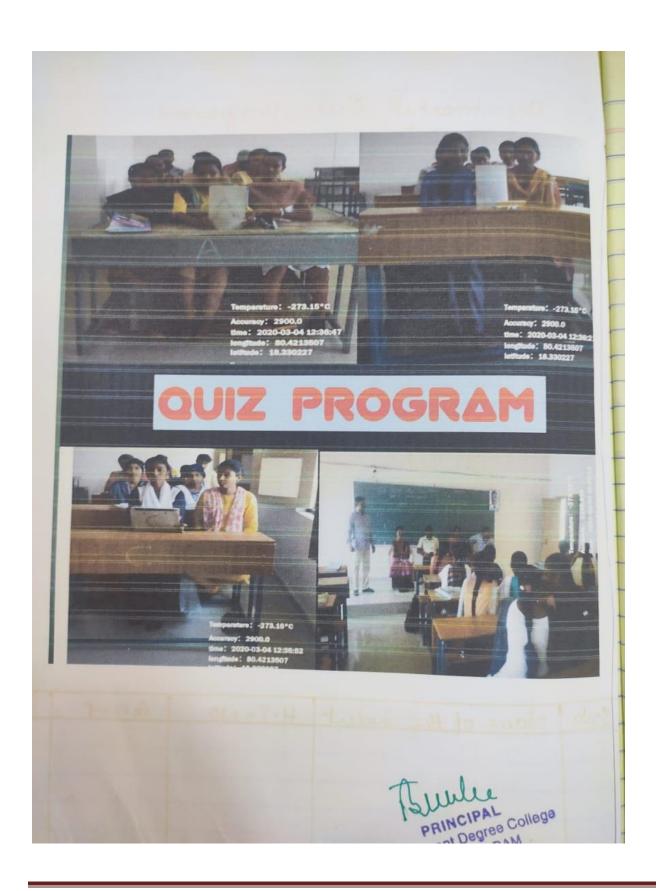
Today, quizzes are interactive platforms where students are not participating to take home a prize or get famous overnight, but to gain knowledge, seek opportunities to excel beyond academics and secure their future.

Encourages Team Work:

Students need to form teams while participating in quizzes, giving them an opportunity to hone their teamwork skills.

S.No.	Academic	Group and year of	Number of participants
	Year	participants	
1	2020-21	Bcom CA final Year	21
2	2020-21	B.Sc. I,II,III Year	30
3	2019-20	B.Sc. I,II,III Year	35
4	2018-19	B.Sc. I,II,III	20





ASSIGNMENTS:

Assignment writing enhances knowledge about the subject, and writing skills of student developed with each assignment. One more important point is that assignment writing prepares students for the exam. As much as the exams trouble the student, the writing of assignments helps in getting good marks. Moreover, the analytical abilities of the student are developed. Student can come up with innovative ideas when you write your assignment. The more and more the student is motivated to write assignments, the more he/she will be specialized in the particular field.

- Helps Improves The Knowledge Of A Particular Subject
- Helps To Develop Presentation Skills
- Improve Time Management Skills

Slow and medium learners are given assignment frequently to improve their knowledge and marks are invariably maintaining a Register.

S.No.	Academic Year	Class	Subject/Topic
1	2020-21	B.Sc. III Year	Object oriented programming-JAVA
2	2020-21	B.Sc. II Year	Data Structures With C++
3	2020-21	B.Sc. I year	Programming With C
4	2020-21	B.Com III Year	E-Commerce
5	2020-21	B.Com II Year	RDBMS
6	2020-21	B.Com I Year	FIT
7	2020-21	B.Sc. III Year	Java- Inheritance
8	2020-21	B.Sc. II Year	Data Structures With C++- Stack, Queue
9	2020-21	B.Sc. I year	Programming With C - Control Structures
10	2020-21	B.Sc. I year	Programming With C++ - Inheritance
11	2019-20	B.Com III Year	Ecommerce-EDI, 5P's
12	2019-20	B.Com II Year	RDBMS
13	2019-20	B.Com I Year	FIT
14	2019-20	B.Sc. III Year	Java

15	2019-20	B.Sc. II Year	Data Structures With C++
16	2019-20	B.Sc. I year	Programming With C
17	2018-19	B.Sc. III Year	Programming with Java
18	2018-19	B.Sc. II Year	DBMS
19	2018-19	B.Sc. I year	Programming With C++

Extension Lectures:

The department organizes Extension Lectures by inviting eminent academicians from the other colleges or from the industry







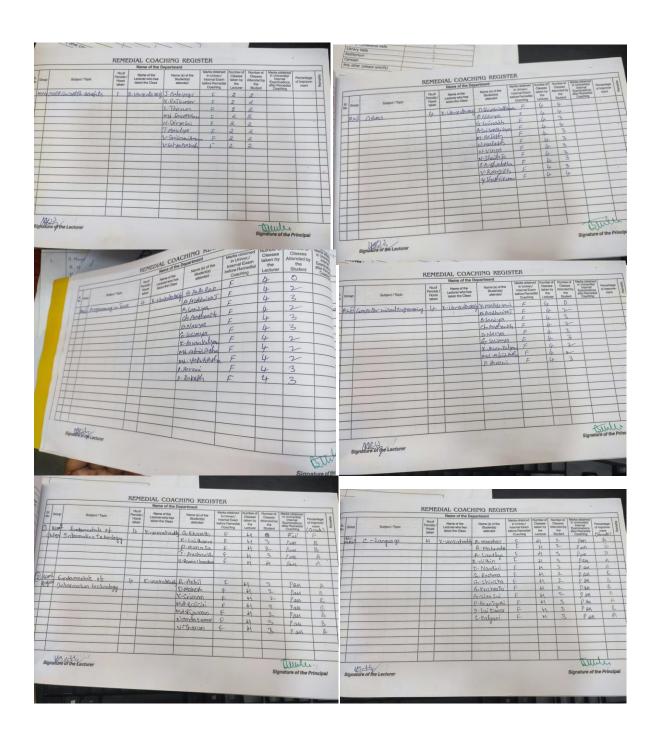
Experimental learning/Lab:



REMEDIAL COACHING:

Remedial Coaching is organizing at our department to improving academic skills and linguistic proficiency of the week learners in computer subjects. Under the scheme the department arranges Special lectures on computer subjects without disturbing the regular classes. The progress of the students is evaluated on the basis of written examination.

S. No	Academic Year	Group	No of Students	Name of the Faculty
1	2019-20	B.Sc. III Year	11	K.Venkat Reddy
2	2019-20	B.Com III Year	5	K.Venkat Reddy
3	2019-20	B.Sc. II Year	5	K.Venkat Reddy
4	2019-20	BACA III Year	4	K.Venkat Reddy
5	2019-20	B.Sc. I Year	12	K.Venkat Reddy
6	2019-20	BZCA I Year	5	K.Venkat Reddy
7	2019-20	B.Com I Year	12	K.Venkat Reddy
8	2018-19	B.Com III Year	5	K.Venkat Reddy
9	2018-19	B.Sc. III Year	11	K.Venkat Reddy
10	2018-19	B.Sc. II Year	11	K.Venkat Reddy
11	2018-19	B.Com II Year	6	K.Venkat Reddy
12	2018-19	B.Com I Year	7	K.Venkat Reddy



Certificate Courses:

The Department of Computer Science and Applications was organized various Certificate Courses to bring minimum technical awareness to students. Certificate courses try to play a role in assisting both organizations and individuals in the cultivation and recognition of professionals. Most of the students found the courses very useful.

S.No.	Academic year	Name of the Certificate Course	No of students Participated
1	2016-17	Internet programming and Web	70
		Designing	
2	2017-18	MS-Office	61
3	2018-19	Awareness of Computer And	105
		Internet	
4	2020-21	MS-Word & MS-Excel	106

WORKSHOPS AND SEMINARS:

S.no.	Academic Year	Name of the workshop/ seminar	Number of Participants
1	2016-17	workshop on copy right on digital era	110
2	2017-18	intellectual property rights and Computer software's	104
3	2020-21	One Day Workshop on Hardware Devices and Copyrights	105

Links for Workshops and Seminars:

https://ccets.cgg.gov.in/Uploads/files/buttonDetails/49823.pdf https://ccets.cgg.gov.in/Uploads/files/buttonDetails/49824.pdf https://ccets.cgg.gov.in/Uploads/files/buttonDetails/50280.pdf

STUDENT SUPPORT AND PROGRESSION

- Keeping in view of the future career of these students, the latest information regarding higher studies is provided.
- > Students are provided magazines in notification time to time, to make them aware of competitive exams and higher studies.
- > Students are interacted frequently with their lecturers concerned to clarify the doubts and to get the suggestions.

Memorandum of Understanding

S.No	Name of the institution with whom MoU is signed	Year of signing MoU
1	Government Degree College, Kakatiya Government College- Computer Science & Applications	2018
2	Government Degree College, Mulugu- Computer Science & Applications	2020

MEMORANDUM OF UNDERSTANDING

DEPARTMENT OF COMPUTER Science S. Appli

Government Degree College, Eturnagaram, Mulugu (Dist.)

DEPARTMENT OF COMPUTER Science Se Applications

FOR THE DEVELOPMENT OF ACADEMIC COOPERATION IN QUALITY EDUCATION

The broad-spectrum objective of this Memorandum of Understanding (MOU) is to stimulate and facilitate the development of collaborative and mutually beneficial programmes which serve to enhance the intellectual life and cultural development on both the platforms of the students studying in these public funded institutions / organizations, and for the contribution for increased Academic Cooperation in Quality Education for the benefit of the students studying in both the institutions.

- 1. The two Educational Institutions will:
- a) cooperate in the exchange of information relating to their activities in teaching and research in fields of mutual interests;
- b) promote appropriate joint study/research projects and joint courses of study, with particular emphasis on government/NGO funded projects:
- c) endeavor to encourage students and staff to spend periods of time in both the institutions. The exchange of students will be dependent on the execution of a formal Student Exchange Agreement prior to commencement of the activity:
- d) conduct short term courses/ value added courses/add-on courses/field projects/ internships, as mutually agreed in writing between the parties prior to commencement of the activity:
- e) conduct environmental/academic/sports and games /cultural projects, a, mutually agreed memorandum in writing between the parties prior to commencement of this activity:
- f) conduct study tours, a, mutually agreed in writing between the parties prior to commencement of this activity.
- 2. Facilitate the exchange of undergraduate students. Such exchanges may take place for a period normally agreeable to both the institutions without any detriment to the academics of the students in their course study. The academic standing of such students shall be determined by both the institutions. Exchange students will be accorded the rights and privileges of students in accordance with the regulations of both the institutions relating to students and will be admitted under the terms and conditions relevant to their standing instructions in vogue. Accreditation for the academic work carried out by an undergraduate student during the period of study shall be decided on mutual understanding for the benefit

The aim of the Memorandum of this Understanding shall be to achieve a broad balance in the respective contributions and benefits of the collaboration, and this shall be subject to periodic review by both the institutions.

Signed to & On behalf of

KAKATIYA GOVT.COLLEGE

Hanamkonda.

Signed for & On behalf of

PRINCIPAL

Government Degree College ETURNAGARAM Mulugu Dist-506165 of Non-To-MEMORANDUM OF UNDERSTANDING EPARTMENT OF Computer Science Government Degree College, Eturnagaram, Mulugu (Dist.) DEPARTMENT OF COMPUTER SCIENCE Government degree color, Mulugu FOR THE DEVELOPMENT OF ACADEMIC COOPERATION IN QUALITY EDUCATION The broad-spectrum objective of this Memorandum of Understanding (MOU) is to stimulate and facilitate the development of collaborative and mutually beneficial programmes which serve to enhance the intellectual life and cultural development on both the platforms of the students studying in these public funded institutions / organizations, and for the contribution for increased Academic Cooperation in Quality Education for the benefit of the students studying in both the institutions. 1. The two Educational Institutions will: a) cooperate in the exchange of information relating to their activities in teaching and research in fields of mutual interests; b) promote appropriate joint study/research projects and joint courses of study, with particular emphasis on government/NGO funded projects; c) endeavor to encourage students and staff to spend periods of time in both the institutions. The exchange of students will be dependent on the execution of a formal Student Exchange Agreement prior to commencement of the activity: d) conduct short term courses/ value added courses/add-on courses/field projects/ internships, as mutually agreed in writing between the parties prior to commencement of the activity: e) conduct environmental/academic/sports and games /cultural projects, a, mutually agreed memorandum in writing between the parties prior to commencement of f) conduct study tours, a, mutually agreed in writing between the parties prior to commencement of this activity. 2. Facilitate the exchange of undergraduate students. Such exchanges may take place for a period normally agreeable to both the institutions without any detriment to the academics of the students in their course study. The academic standing of such students shall be determined by both the institutions. Exchange students will be accorded the rights and privileges of students in accordance with the regulations of both the institutions relating to students and will be admitted under the terms and conditions relevant to their standing instructions in vogue. Accreditation for the academic work carried out by an undergraduate student during the period of study shall be decided on mutual understanding for the benefit The aim of the Memorandum of this Understanding shall be to achieve a broad balance in the respective contributions and benefits of the collaboration, and this shall be subject to periodic review by both the institutions. Signed to & On behalf of

Wuluge Dist.

Government Degree College ETURNAGARAM

Faculty Linkages

Collaboration in higher education is the teaming up of two or more institutions of higher learning to work together towards sharing educational and research dreams, achieving common goals, and enhancing collective effort in meeting educational needs in focus.

FACULTY EXCHANGE PROGRAMS

The faculty exchange programs would provide participants with the opportunity to teach or conduct research for one semester or an academic year at an overseas university. Faculty members would benefit from exposure to a culturally varied and diverse faculty make-up, with an opportunity to exchange ideas and observe a variety of styles.

The faculty exchange programs present a unique opportunity for interaction between institutions. They will create a greater bond among the concerned institutions and will be a powerful recruitment and retention tool.





INFRASTRUCTURE DETAILS OF THE DEPARTMENT

S.No.	Laboratory/ Instrumentation room/ Inoculation chambers	Available
1.	Departmental Library	Available
2.	LCDs	01
3.	Computers ACER – Core i3 5 th Generation	33
4.	Server	01
5.	Internet Facility	BSNL Broadband Speed 100 Mbps
6.	Digital Resources	E-Library

STUDENT COUNSELLING PROGRAM



The counseling cell in the Department of Computers & Applications, follows a uniform hierarchy to ensure proper functioning of the system. In Mentor-Mentee System, the day to day activities is headed by a faculty-in-charge. These Mentors help the students tackle depression, emotional trauma, academic pressure or personal issues.

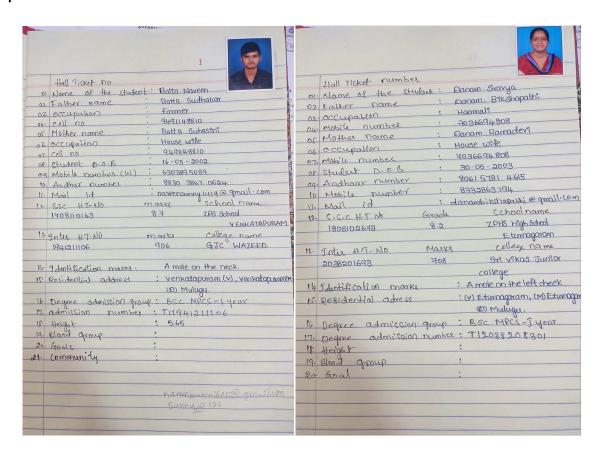
Role of Mentors:

- 1. To guide the incoming batch and help familiarize them with the different aspects of a regular day at college.
- 2. To protect the student against any form of abuse
- 3. The mentors should assist the new students to overcome any problem (both social and academic) in an advisory role and guide them through their first year. However, effort should be made towards guiding the mentee to be self-reliant and independent and spoon-feeding should be completely avoided.

Impact on the Mentees

The freshmen will be the ones benefitting directly by this endeavor. Besides providing support academically, it will also grant them guidance in other fields. From advice in extra-curricular activities, like NSS, figuring out how to deal with peer pressure, to maintaining a healthy balance between work and leisure. Yet another important factor that it'll provide aid to is breaking the ice between the juniors and their seniors, while curbing ragging and providing a productive manner of interaction.

sample mentor mentee record:



Student Feedback

The Department collects the Feedback from the students once in a semester on all the subjects of Computer science.

Quest	se give your opinion on the performance of the teacher with	roforone				
Colleg	ions (Five point rating scale V-Excellent, IV-Very good, III-Conot write you'r name e: Grovernent Degree College, Name of the Lotter Comp Sicon Le Class: 6.50. Mfcg I	iood , II – ecturer:	Avera	ge , 1-	law	en
S.No.	Item	Rating				
		V	IV	III	11	1
1.	Efforts to Effectively Covered 100% Syllabus	~				
2.	The Interest generated in the students while teaching in the class rooms	V				
3.	Clarity of Expression While teaching	V				
4.	Depth of subject Content	V				
5.	Level of latest developments in the Subject taught			1		
6.	Use of other methods of teaching like class seminars, Group discussions in the classrooms		√			
7.	Encouragement in raising questions and clarifying doubts	1				
8.	Use of teaching models and teaching Aids in the Class room		V			
9.	Fairness of internal evaluation		1			
10.	Was your performance in the Assignments discussed with you		V			
11.	Teachers inform you about your expected competencies, course outcomes and programme outcomes			5		
12.	The teacher illustrate the concepts through examples and applications		1			
13.	The teachers identify your strengths and encourage you with providing right level of challenges		1			
14.	The Teachers use student - centric methods, such as experimental learning , participative learning and problem solving methodologies for enhancing experiences		1			
		-				

Faculty profile:

Name	Pudot	Pudota. Jeevaveni			
Designation	Lectu	Lecturer in computer science			
Mobile Number	70930	7093090107			
Email	venip	venipudota@gmail.com			
Educational Qualifications	S.No.	Name of the Degree	University	Year	
	1.	M.Tech	IIIT Hyderabad	2017	
Aadhar Number	39240	392408009458			
Date of Birth	31/07	31/07/1986			
Date of entering service in DL	17/02/2021				
Joining Date in the Present	17/02	/2021			
station					

FUTURE PLANS

The department has dedicated to

- > Be one of the best service oriented department.
- Conduct many Certificate courses.
- ➤ Introduce Computer hardware learning programme to UG Students.
- Achieve the goal of making 100% literacy in computers among the students and staff of our college.
- > Planning to conduct computer awareness programmes.