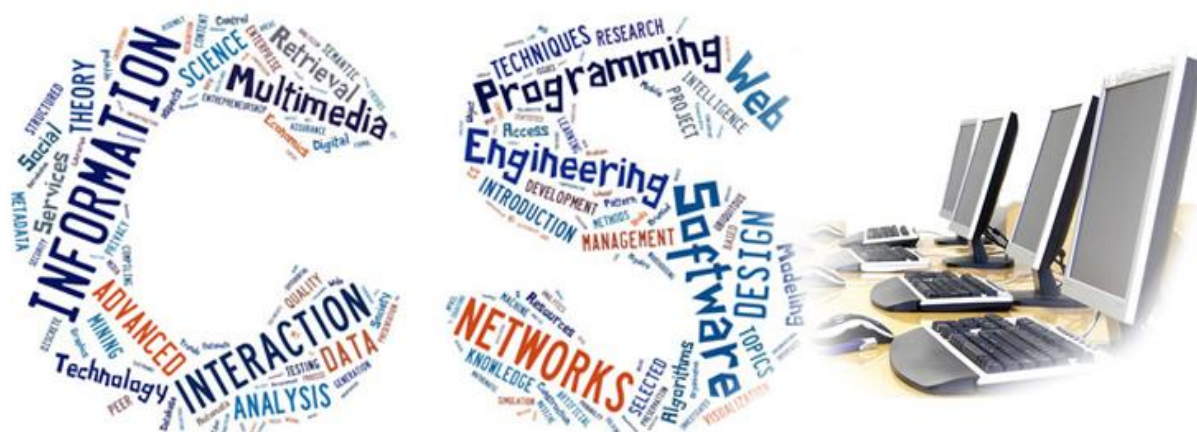


NEW GOVERNMENT DEGREE COLLEGE FOR WOMEN, GOLCONDA DEPARTMENT OF COMPUTER SCIENCE PROFILE



The Department of Computer Science is one of the Science Department of New Government Degree College for Women, Golconda established in 2018,. The college is now affiliated to the Osmania University, Hyderabad.Right from 2018 the department offered a 3 year undergraduate program in Computer Science and Computer Applications. The course was modeled on the annual evaluation system and the instruction was tailored to address the learning objectives defined in the syllabus. With the introduction of choice based credit system the department moved to more flexible and innovative space in terms of the form and content of the program from 2018 onwards. The new program is structured on semester basis which runs through 3 years from the entry level.

VISION

- ❖ To impart quality in Information Technology of Computer Education to rural and economically weaker students.
- ❖ To provide interest in computer related subjects in higher education to make them more competent and competitive.
- ❖ To facilitate women’s access to the domain of scientific knowledge to contribute significantly in the dissemination of new knowledge in the discipline of Computer world by providing strong foundation.
- ❖ To raise the standard of our students to global levels and make them employable.
- ❖ To provide a platform to the students to exhibit their talents & creativity.

- ❖ To improve in the field of Today's Information Technology.

MISSION

The goals of mission are well defined and synchronized with its vision.

- To provide education not only to acquire knowledge but also to inculcate a sound philosophy for a Holistic living.
- To encourage self evaluation personality development and guide the students to strive towards perfection and competence
- Dedicate ourselves to continuous development of infrastructure in technology and intellectually inspiring environment for learning, research creativity Innovation and professional activity and inculcate in them ethical and moral values
- Department of Computer Science provides excellent teaching and learning environment with its focus on continuing education

ACADEMIC PROGRAMMES

BACHELOR OF COMPUTER SCIENCE

- ❖ The academic program at the undergraduate level with Computer Science with Computers Application leads to
- ❖ Bachelor of Mathematics (Computer Science). It is a 3 years program with (CBCS) choice based credit system.
- ❖ Bachelor of Commerce (Computer Applications). It is a 3 years program with (CBCS) choice based credit system.
- ❖ Bachelor of Arts (Computer Applications). It is a 3 years program with (CBCS) choice based credit system.

PROGRAMME AND MEDIUM OF INSTRUCTION.

- ❖ B.Sc(CS),E/M
- ❖ B.Com(Computers Applications) ., E/M.
- ❖ B.A(Computers Applications) ., E/M .

**The Core Papers (New CBCS System)-2019-2020 (Semester system).
For B.Sc(Computer Science)**

- ❖ Semester I – Programming with C
- ❖ Semester II – Programming in C++
- ❖ Semester III –Data Structures using C++
- ❖ Semester IV –Database Management systems
- ❖ Semester V – Information Technologies-1, Computer Organization

Programming in Java, Operating System

- ❖ Semester VI — Information Technologies-2,Information Security

Computer Networks, Web Technologies

For B.Com(Computer Applications)

- ❖ Semester I – Fundamental of Information Technology
- ❖ Semester II – Object Oriented Programming using JAVA
- ❖ Semester III –Relation Database Management System
- ❖ Semester IV –Web Technologies
- ❖ Semester V – Mobile Applications
- ❖ Semester VI – Multimedia Systems

For B.A(Computer Applications)

- ❖ Semester I – Programming with C
- ❖ Semester II – Programming in C++
- ❖ Semester III –Relation Database Management System
- ❖ Semester IV – Multimedia Systems
- ❖ Semester V – Mobile Applications
- ❖ Semester VI – Web Technologies

COURSE OUTCOMES OF Computer Science

I-YEAR SEMESTER- I

On completion of the courses students will be able

BS106 – To know the programming in C Language

BA106– To know the basics of computer and programming in C Language

DSC103–Know basics of Fundamentals of Information Technology

I –YEAR SEMESTER- II

On completion of the courses students will be able:

BS206- It is easy to understand the programming in C++

BA206 - To know how to do the programming style in C++

DSC203-To get knowledge of programming in JAVA

II YEAR SEMESTER-III

On completion of the courses students will be able:

BS306-To know in detail about Data Structures using C++

BA306 -To know the Relational database to be managed by SQL.

DSC303-To know more about Data Base Management System

II- YEAR SEMESTER- IV

On completion of the courses students will be able:

BS406-To know in detail about Data Management System

BA 406 -To know the purpose of Multimedia systems

DSC403-To know more about Web Technologies

III-YEAR- SEMESTER-V

On completion of the courses students will be able:

BS501-To know in detail about Information technology

BS505-To know about the programming in Java in Web

BS506- To know how the computer is operating in different systems

BA501-To know in detail about Mobile Applications

DSE503-To have knowledge of Mobile Applications

II YEAR - SEMESTER-VI

On completion of the courses students will be able:

BS601-To know about the Information Technologies

BS602-To know the Information Security of a computer systems

BS605- To know how the computer networks are working

BS606-To know briefly about web technologies

BA603-To know about technologies in web

DSE603-To know more about Multimedia Systems

PROGRAMME AND MEDIUM OF INSTRUCTION.

- ❖ **B.Com(Computer Applications) ., E/M.**
- ❖ **B.Sc(Computer Science) .,E/M**
- ❖ **B.A(Computer Applications)., E/M**

NUMBER OF TEACHING POSTS:

<i>Designation</i>	<i>Sanctioned</i>	<i>Filled</i>
Professors	Nil	Nil
Associate Professors	Nil	Nil
Assistant Professors	Nil	Nil

FACULTY PROFILE:

<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Specialization</i>	<i>No. of Years of Experience</i>	<i>No. of Ph.D Students guided for the last 4 years.</i>
T.Lalitha	M.Sc, B.Ed	Guest Lecturer	Computer Science	11	-

TEACHING METHODS ADOPTED TO IMPROVE STUDENT LEARNING

- Innovative Methods i.e., Power Point Presentation, etc.
- PPTs, Smart boards, LCD Projector, Videos.
- Students Seminar, Group discussions, Quiz programmes.

- Guest lectures by subject experts.
- Students study project through JIGNASA programme to create interest in research.
- Attending MANA TV topics delivered by subject experts and students.
- Remedial classes for weak students.
- Field trips

LAB INFRA STRUCTURE

Department of Computer Science is well equipped with one Computer Lab with 30 Computers to teach computer based subjects like C,C++,Data Structures,Java,SQL including Tally.

ICT Resources

- 1 Desktop with Wi –Fi connection

Others

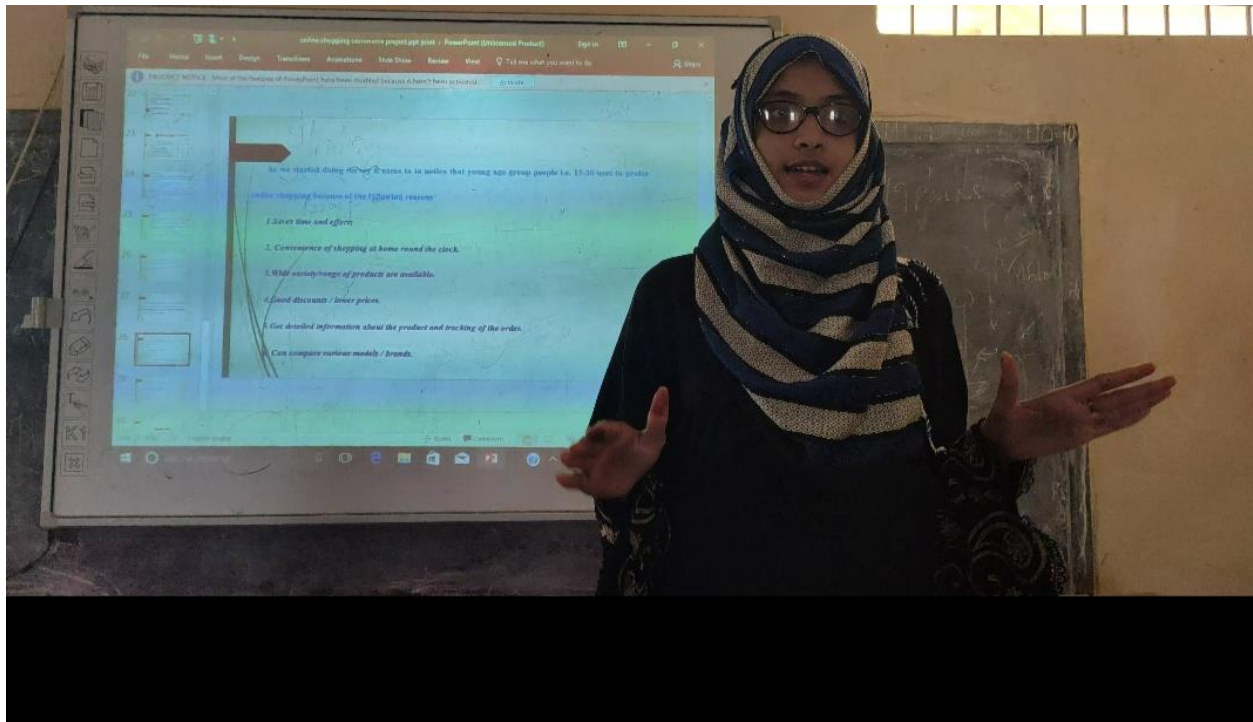
- Teaching kits

STUDENTS STUDY PROJECTS: NONE

PHOTO GALLERY

ACTIVITIES OF THE DEPARTMENT OF COMPUTER SCIENCE



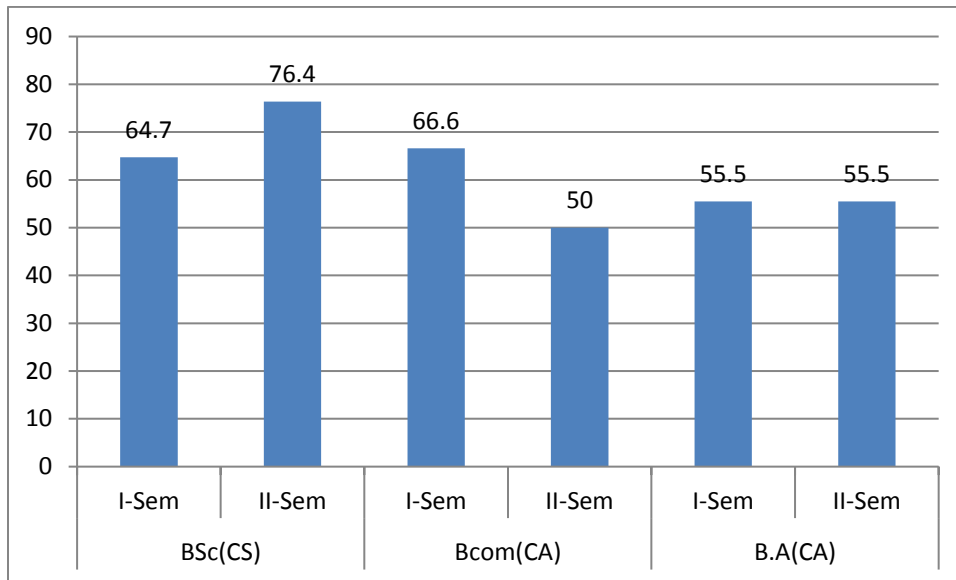


DEPARTMENT OF COMPUTER SCIENCE

PASS PERCENTAGE IN THE YEAR OF 2018-2019

<u>YEAR</u>	<u>TOTAL PRESENT</u>	<u>PASS</u>	<u>PASS PERCENTAGE</u>
<u>2018-19</u>	<u>85</u>	<u>46</u>	<u>65.5</u>

RESULT ANALYSIS FOR THE YEAR 2018-2019:



Future plans:-

- Up gradation of existing lab with more computers with Internet facility.
- Planning to establish PG course in Computer Science.
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