

Vision & Mission – Department of Computer Science

VISION

To empower the graduates to be technologically adept, innovative, self-motivated and responsible citizens, possessing human values and contribute significantly towards being a centre of excellence in providing globally standard education, through a conducive Teaching and Research environment, that responds swiftly to the challenges of the ever changing world.

MISSION

- To achieve academic excellence by imparting in-depth knowledge to the students through effective pedagogies and hands on experience on latest tools and technologies.
- To pursue interdisciplinary research that will serve the needs of the entire global community.
- To prepare students to be continuous learners in a connected world and imbibe professional skills and ethical responsibilities in them.
- To strengthen the Industry-Academia interface that will help the graduates to emerge as leaders in academics or an inspiring revolutionary in entrepreneurship.

Computer Science

DEPARTMENT PROFILE

The fast changing technological scenario poses to the Institute a challenge of continuously updating its curriculum and faculty to be able to provide state-of-the-art education to the students. Changes, both major and subtle, have been made by the different departments of the Institute, to be better prepared for tomorrow. We, at *DIRECTIONS*, will bring to you a brief profile of one department in every issue, beginning with the Department of Computer Science. Computer Science is about understanding computer systems and networks at a deep level. Computers and the programs they run are among the most complex products ever created; designing and using them effectively presents immense challenges. Facing these challenges is the aim of Computer Science as a practical discipline, and this leads to some fundamental questions:

- How can we capture in a precise way what we want a computer system to do?
- Can we mathematically prove that a computer system does what we want it to do?
- How can computers help us to model and investigate complex systems like the Earth's climate, financial systems or our own bodies, etc.?
- What are the limits to computing? Will quantum computers extend those limits?

The theories that are now emerging to answer these kinds of questions can be immediately applied to design new computers, programs, networks and systems that are transforming science, business, culture and all other aspects of life.

Computer Science can be studied for three years (B.Sc and BCS) .The course concentrates on creating links between theory and practice. It covers a wide variety of software and hardware technologies and their applications. We are looking for students with a real flair for mathematics, which you will develop into skills that can be used both for reasoning rigorously about the behaviour of programs and computer systems, and for applications such as scientific computing. You will also gain practical problem-solving and program designing skills; the majority of subjects within the course are linked with practical work in our well-equipped laboratory.

History of Department of Computer Science

The Computer Science Department at Dr. Rafiq Zakaria College for women Aurangabad has a history of last seventeen years. The Department was formally established in June 2000. In the junior level I.T program. In the undergraduate program, the first batch of B.Sc graduated in 2003 and B.C.S Degree course was started in June 2008. First batch of B.C.S. was graduated in 2011.

Faculty

The Department currently has four faculty members, including one Junior lecturer. Faculty research interest spans a wide range: from abstract theory to down-to-earth problems of immediate interest to industry. Current areas of research can be broadly classified in to the following categories: Algorithms; AI and NLP; Graphics; Architecture, OS, Distributed Computing; Information Systems; Networks and Internet Technologies; Software Engineering and Languages; Theoretical Computer Science (Computational Complexity, Logic in CS). Teaching load is fairly low, typically a faculty member teaches two subjects and possibly one practical *in a year*. Further, one of these two subjects can be an elective as per the choice of the faculty member.

Position & Qualification:

H.O.D

Sr. No.	Name	Link
1	Dr. Siddiqui Bushra Zareen	

CONSOLIDATE

Sr. No.	Name	Link
1	Miss Pallavi Gajanan Chaudhary	
2	Mrs Ruksar Pathan	

CHB

Sr. No.	Name	Link
1	Dr. Mohammad Mazhar	