

*School of Studies
in
Computer Science and I.T.
Pt. Ravishankar Shukla
University, Raipur (C.G.)*



*Computer science is no more about computers
than astronomy is about telescopes.
- Edsger Dijkstra*

Computer Science and I.T is an exciting, challenging and growing field that impacts the world and everyday life in countless ways. Computer scientists are involved in creating technology and systems that are used in a wide range of industries including medicine, communications, entertainment, manufacturing and business. The most important aspect of computer science is problem solving, an essential skill for life. Students study the design, development and analysis of software and hardware used to solve problems in a variety of business, scientific and social contexts.

Pt. Ravishankar Shukla University is the largest and oldest university of Chhattisgarh, founded in 1964, and named after the first chief minister of erstwhile Madhya Pradesh. There are Twenty-Nine teaching departments in the university. The total number of employees is around 700.

Introduction

Welcome to the "S.o.S. in Computer Science & IT". It was established in the year 1992 under the aegis of RSU and with the support of UGC. It is working as an academic department of the University and also providing central networking facility. Currently, the Department is conducting Master of Computer Applications (MCA) three years full time program and two years program - Master of Science in Information Technology (M.Sc.IT). Apart from this the department also conducts Ph. D. and 1 year M. Phil. courses. The Department is also providing research facilities and presently research scholars are working in the area of Parallel Computing and Computer Networking. Department is also maintaining the RSU-Campus Area Network. Students of this department are employed in various reputed organizations such as TCS, NIC, CHiPS, Infosys, Cognigent, L&T and CMC etc.

Courses Offered

Details of courses offered by the department are as under:

Course	Seats	Fee
Ph.D.	06	As per University Norms
M.Phil.	10	21780/- per year
MCA	60	23250/- per year
M.Sc.(IT)	25	7865/- per year

The admission of MCA is through C.G. state Pre-MCA entrance test conducted by C.G. Vyapam. Admission in M.Sc.(IT) and M.Phil. are also through entrance test conducted by department/university. Admission in Ph.D. course is also through Entrance Examination. The MCA, M.Sc.(IT), M.Phil. and Ph.D. seats have the appropriate reservation in the categories of SC, ST, OBC, Open and Female as per the rules. Candidates of SC, ST and OBC are entitled for the scholarship as per the rules of C.G. government. Scholarship is also available for selected M. Phil. students.

Faculty

The highly qualified and motivated faculty members ensure that the students meet the ever-increasing technological challenges and Industrial requirements. Time to time Contract and Part Time Lecturers are also appointed as per the need.

❖ Regular Faculty

Name	Qualification	Specialization
Dr. Sanjay Kumar Associate Professor & Head	Ph.D. (CSE), M.E., B.E.	Computer Networking and Parallel Computing
Dr. Vinod Kumar Patle Assistant Professor	Ph.D., MCA, M.Sc. (Physics)	Database, Mobile Communications

❖ Contractual Faculty (Asst. Prof.)

Deepak Kr. Deshmukh	NET, GATE, MCA	ToC , UNIX , DBMS, DM
Rahul Kumar Singh	NET, M.Tech.	Cloud Computing, Cryptography
Rubi Kambo	SET, M.Tech.	Image Processing, Comp. Tech.
Ramakant Prasad	NET, GATE MCA, M.Phil	ToC, JAVA, DS, Cyber Forensic
Kaushal Banjare	SET, GATE, MCA	OS, Computer Network, DS
Lokesh Kumar Rathore	NET, GATE, M.Tech.	Soft. Engg., C, C++, Programming

❖ Visiting Faculty

Dr. Sameer Thakur	Ph.D. (English), M.Phill, M.A. B.S.C.	Language Literature
Chinmay Kumar Giri	Ph.D. (Pursuing), M.Sc.(Mathematics)	Generalized Inverse of Matrices

❖ Technical Staff

Name	Qualification	Designation
Ms. Anita Toppo	M.A., PGDCA	Programmer
Mr. Mukti Prakash Tigga	M.Sc.(CS)	Technical Officer
Mr. Ramesh Raj Dhruwe	B.Sc, M.C.A.	Assistant Programmer
Mrs. Bhawana Parbat	B.Sc., M.Sc., M. Phil	Technical Assistant
Mr. Gunjan Kumar	M.Sc.(Maths)	Lab Technician
Purushottam Kewat	M. C. A.	Project Fellow
Mr. Bhisham Prasad Sinha	12 th	Lab Attendant

❖ Administrative Staff

Mr. V. P. Verma	10+2 (Old)	UDC-I
Mr. Mahendra Kr. Chandra	M.A. (Sociology)	Office Assistant
Mr. Lekhram Nisad	10 th	Peon

Networking Facilities

A leased line of 1Gbps is taken from BSNL under MHRD sponsored NKN Project. Almost all the buildings in the Campus are well connected through Fiber Optic Cables. Around 600 users use to access the internet facility. Almost all the buildings within the campus are equipped with Wi-Fi facility.

This is all implemented by SoS in Computer Science & IT only. Similarly, antivirus and Wi-Fi maintenance for entire University Campus is also done by this department only.

R&D Activities

At present Computer Networking and Parallel Computing are the thrust areas of research in this department. However, research in Green Computing, Wireless Sensor Networks etc. is going on. Ph.D. is also awarded in the area of Data mining.

Time to time we take up various developmental activities, for example, we organized a National Level Conference on "Recent Trends in Green Computing" from 23rd October 2013 to 25th October 2013. "Android Workshop" on 07-08 November 2014, and training for "LINUX Installation" on 27th February 2016 were also conducted.

Sponsored Projects

S. N o.	Investigator	Project Title	Funding Agency	Funding Amt (INR)	Period
1.	Dr. Sanjay Kumar	Model of Green Computing for Chhattisgarh	CGCOST	Rs. 5 Lacs	1 Dec 2013 30 Nov 2016
2.	Dr. Sanjay Kumar	Automatic Elephant Detection	UGC	1.96 Lacs	1 July 2011 30 Jun 2013
3.	Dr. V. K. Patle	A study on Spatial Temporal Data Mining	UGC	1.2 Lacs	1 July 2011 30 Jun 2013

Other Activities

To make the department eco-friendly and clean, staff and students of the department have adopted Green Computing practices in the department which results in power saving. Time to time cleanliness drive is also undertaken. Students are encouraged to take part in the extra-curricular activities. For the benefit of the students Anti Ragging Committee, Grievance Committee etc. are formed.

