

PROFILE

DEPARTMENT OF COMPUTER SCIENCE

1. Scope and Importance of the department-

The computer science course is essential to solving critical problems in the organization. Technology and computers have been integrated into almost every sector of the economy. Studying computer science courses is essential for developing the knowledge of programming aspects and advanced digital technologies.

This course helps develop knowledge regarding designing, maintaining, developing, and updating software systems. Computer science courses provide leverage to students in solving technological problems. One of the many reasons why people believe computer science to be vital is that it is practically challenging to operate a modern corporation without computer-driven technology.

2. Introduction of Department-

With the digital India vision of our Hon'ble Prime Minister Mr. Narendra Modi, Arts, Science and Commerce College, Rahata has started Department of Computer Science in June 2023 benefited to rural masses.

The department had started B.Sc. Computer Science programme with seven students. Our department has well qualified faculty members.

Computer Science is a study of the theory, experimentation that forms the basis for design and use of computers. It is the scientific and practical approach to computation and its applications and systematic study of the feasibility, structure, expression and mechanization of the methodical procedures that underlie the acquisition, representation, processing, storage, communication of, and access to, information.

The Department of Computer Science offers programs of study related computing, information technology and software design and its applications. Department has good digital as well as physical library.

In addition to this, the department has conducted the computer literacy program for entry level students of B.A. and B.Com. Such a program may improve the student's motivation, performance and the practical experience gained may aid the students in choosing future areas of interest. Also Departmental staff has been participating in every activity of college like, Website Design, maintenance, Work Compliance System, ERP module for inventory, software for online admissions, create the background preparation for placement and campus selection of students.

Apart from the academic curricular, department plays supportive role in conducting courses like Cyber Security for post graduate students of other departments.

Students are motivated for active participation in various software competitions organized at intercollegiate and university level. Students bagged prizes for the same.

3. Year of Establishment -	Under Graduate-2023
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4. Detail of Programs / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., Short term courses, Career oriented courses, etc. (Current academic year 2024-25)
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Sr. No.	Program level	Name of the program/ Course	Duration	Entry qualification	Medium of Instruction	Sanctioned/ Approved student strength	No. of Student admitted
1	UG	B.Sc.	3 Years	HSC	English	80	48

5. Annual/ semester/choice based credit system/elective course pattern (Program Wise)
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Sr. No.	Program	Pattern	Year of Implementation
1	B.Sc.	Semester	2019
2	B.S.c	Semester	(NEP 2020) 2024

6. Number of Teaching and Non-teaching positions in the department

Sr. No.	Designation	Sanctioned	Filled
1	Professors	00	00
2	Associate Professors	00	00
3	Assistant Professors	00	04
4	Lab Assistant	00	01
5	Peon	00	01

7. Faculty profile with name, qualification, designation, specialization (Ph.D. / M. Phil. etc)

Sr. No.	Name of faculty	Qualification	Year of appointment	Designation	Specialization	Teaching experience (Years)
1	Dr. M. S. Gaikwad	M.Sc.; SET; Ph.D.	2022	Assistant Professor	Natural Language Processing	
2	Mr. P.A. Dange	M.Tech, B.E.	2022	Assistant Professor	Compilers Design	
3	Mr. G.D.Gunjel	M.Sc. Comp. Sci	2024	Assistant Professor		
4	Miss. V.D. Joshi	M.Sc. Electronics	2023	Assistant Professor		

8. Ongoing /completed research projects by faculty funded by governmental and non-governmental agencies

Sr. No	Name of the principal investigator	Duration of the project	Name of the research project	Amount fund received	Name of funding agency	Year of sanction

9. Research papers published in journals notified on UGC website (Last five years)

Sr. No.	Name of the Author	Name of the Journal	Title of Research Paper	ISSN/ ISBN No.	Whether peer reviewed/IF if any
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10. Number of books /chapter in edited volumes/Books Published

Title of the book/chapter published	National/ International	Year of publication	ISBN/ISSN No.	Name of the publisher

11. Name of Research Guides

Sr. No.	Name of Research Guide	Ph. D/ M. Phil

12. Number of Ph. D/ M. Phil awarded by faculty

Sr. No.	Name of Ph. D scholar	Name of the Guide/s	Title of the thesis	Year of registration of scholar	Year of awards of Ph. D.

13. Faculty as chairman/members in National committees/International Committees/ Editorial Boards/BOS/University committees etc.

Sr. No.	Name of faculty	Name of the body in which full time teacher participated	Member of editorial board	Reviewer
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14. Student undertaking field projects/ internships

Name of the Program	Program Code	Year	No. student undertaking field projects/Internships

15. Awards / Recognitions received by faculty

Year of awards	Name of full time teachers receiving awards from state level, National level, International level	PAN	Designation	Name of the award, fellowship, received

16. Students Qualifying in State/National/International level examination (NET, SET, GATE, GMAT, GRE, TOEFL/UPSC/MPSC/State government examination, etc.)

Year	Number of Students Selected/Qualified								
	SET	NET	GATE	GMAT	CAT	RGE	TOFEL	Civil services	State Govt. Examinations /Others

17. Student progression to higher studies

UG to PG Program: B.Sc. Chemistry to Higher Program

Sr. No.	Name of the Student			Name of the Institute Joined	Name of the Program admitted

18. Placement of outgoing students (Last five years)

Sr. No.	Name of student who has been placed	Program graduated from	Year of graduation	Name of the employer with contact details	Package at appointment (per annum)

19. List of Alumni contribution

S. N.	Name of Alumni	Year of Graduation	Position held	Contact detail	Quantum of Contribution
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20. List of eminent academicians & scientists/visitors to the Department

S. N.	Name of the visitors	Institution	Date of Visit	Purpose of Visit	Topic

21. Seminars/Conferences/Workshops organized

S.N.	National/ International/ State Level	Name of the workshop/Seminar	Date	No. of Participants

22. Student profile program/course wise (Last Five Years)

Sr. No.	Year	Name of the Course/program	Applications received	Enrolled		Total number of Students
				*M	*F	
01	2023-24	F.Y.B.CS	07	07	00	07
02	2024-25	S.Y.B.CS	06	06	00	06
		F.Y.B.CS	42	26	16	42

23. Departmental Result

S. N.	Year	Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
01	2023-24		F.Y.B.CS	07	07

24. Number of linkages for faculty exchange/student exchange/ training/internship/field trips/job on training/research etc.

Sr. No.	Title of the linkage	Name of the partnering institution/ industry /research laboratory	Year of commencement	Duration (From-To)	Nature of linkage

25. Number of functional MoU's with corporate houses/ industries/other institutes/Universities, etc

Sr. No.	Academic Year	Organization with which MoU is signed	Department under MoU	Date of signing MoU	Duration

26. Details of Infrastructural facilities

Sr. No.	Facility	Details	Area in Sq. ft.
01	F2	Programming Lab	
02	F1	Computer Center	
03	F4	BCS Smart Class Room	
04	T6	BCS Smart Class Room	
05	T7	BCS Smart Class Room	
06	T8	BCS Smart Class Room	
	Total		

e) List of Equipments/Instruments

Sr. No.	Name of the Equipment	Make	Quantity

27. Details on student enrichment program (special lectures / workshops / seminar) with external experts

Sr. No.	Enrichment program	Date	Experts	Institution

28. Teaching methods adopted to improve student learning

- ❖ You tube
- ❖ Power Point presentations
- ❖ Use of Video Clips
- ❖ Project Work
- ❖ Video Conferencing Lecture
- ❖ Organized Workshop
- ❖ Students seminars
- ❖ Field visits/Survey
- ❖ Educational Tours
- ❖ Industrial Visits
- ❖ Review of research papers

29. Participation in Institutional Social Responsibility (ISR) and Extension activities

01	Website Development	Prof. Dange P.A.
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30. SWOC analysis of the department

01	Strengths	Excellent Students Results
		Well equipped Laboratories and all required infrastructural facility
02	Weaknesses	Activities under MoU's
		Organize visit.
03	Opportunities	Enhance the involvement of PG students in projects
		Organized instrumental training program for PG Students
		Increase activities under signed MOUs.
04	Challenges	Submit research projects to various funding agencies
		Number of research publications in UGC listed journals

31. Future plans

- ❖ Increase the teacher participation in FDP/refresher/orientation/seminar/conferences/workshops.
- ❖ Increase and motivate the students for participation in various research projects.
- ❖ Conduct the certificate/skill development course at UG & PG level.
- ❖ Organize the industrial visits, campus drives, on job training program etc.
- ❖ Submission of research proposals to various agencies.
- ❖ Organize international conference
- ❖ Organize superstitious experiment for society awareness program

