

# Department Of Computer Science



1 Name of the department : Department of Computer Science,  
Bharati Vidyapeeth Deemed University,  
Yashwantrao Mohite College of Arts, Science and  
Commerce, Pune - 411 038.

2. Year of Establishment : June, 15 1997.

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

U.G - Three years B.Sc.(Comp.Sci)

P.G - Two years M.Sc.(Comp.Sci.)

Ph.D.

4. Names of Interdisciplinary courses and the departments/units involved  
Nil

5. Annual/ semester/choice based credit system (Programme wise)

Sr. No.	Name of the Course	System
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1	B.Sc.(Computer Science)	CBCS/Semester
2	M.Sc.(Computer Science)	CBCS

#### 6. Participation of the department in the courses offered by other departments

The post graduate programme M.Sc.(Computer Science) students select one interdisciplinary subject out of given three as an extra credit course for three semesters. The interdisciplinary subjects like English for specific purposes, Bioinformatics, scientific writing ,developing soft skills, clinical biochemistry, income tax management, consumer protection are offered as extra credit courses.

#### 7. Number of Teaching posts

	<b>Sanctioned</b>	<b>Filled</b>
Asst. Professors	06	06

#### 8. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sr.	Name	Qualification	Designation	Specialization	No. of Years of Experience
1	Mrs.S.S. Shukla	M.Sc.(Physics)	Asst. Professor	Physics	18
2	Mrs.S.R.Jagtap	M.C.S., M.Phil.	Asst. Professor	Computer Science	17
3	Mrs.J.S.Ghadge	M.C.A.	Asst. Professor	Computer Applications	10
4	Mrs.Y.V.Bhapkar	M.Sc.(computer Science), M.Phil	Asst. Professor	Computer Science	10
5	Mrs. S.A. Chakote	M.Sc.(computer Science)	Asst. Professor	Computer Science	2
6	Mrs. U.B. Abhale	M.Sc.(Mathematics)	Asst. Professor	Mathematics	1

#### 9. List of visiting faculty

Sr.	Name	Qualification	Specialization	No. of Years of Experience
1	Mrs. S.A.Kanitkar	M.C.A.,M.Sc. Computer Science	Computer Applications	06
2	Mr. R.S. Mishra	M.C.A.	Computer Applications	10
3	Smt.M.G. Bharmbhe	M.Sc. Computer Science	Computer Science	23
4	Mr.C.H.Patil	M.C.A.	Computer Applications	08
5	Dr.Shankar Mali	M.C.A.	Computer Applications	17

6	Dr. M.S.Prasad	M.Sc.	Computer Science	35
7	Dr.N.N. Mahajan	M.C.A.	Computer Applications	18
8	Dr.A.D. More	M.C.A.	Computer Applications	19
9	Mrs. Baljeet Kaur	M.C.A.	Computer Applications	10
10	Dr. S.A.Kadam	M.C.A.	Computer Applications	12
11	Mr.VarunVaishanpayan	M.C.A.	Computer Applications	08
12	Mrs. G.U. Gadikar	M.C.A.	Computer Applications	13
13	Mrs. Shubha Laxmi	M.C.A.	Computer Applications	7
14	Mr. Ajit Ghadge	B.E. Computers	Computer	6
15	Mrs.D.D.Kulkarni	M.C.A.	Computer Applications	5

10. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Sr.	Name	Qualification
1	Mrs.S.S Shukla	M.Sc.(Physics)
2	Mrs. S.R. Jagtap	M.C.S., M.Phil.
3	Mrs.J.S.Ghadge	M.C.A.
4	Mrs. Y.V.Bhapkar	M.Sc.(Computer Science), M.Phil
5	Mrs. S.A.Chakote	M.Sc.( Computer Science)
6	Mrs. U.B. Abhale	M.Sc.(Mathematics)

11. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of Faculty	Title	Period	Funding Agency	Grant Received
Mrs.S.S.Shukla	Investigations of TiO <sub>2</sub> Thin films for solar cell applications using chemical bath deposition method	2013-2015	UGC	Rs.1,05,000/-
Mrs.S.R. Jagtap	Exploring software cost estimation techniques for small sized projects	2013-2015	UGC	Rs.81,000/-

12. Research Centre /facility recognized by the University

Registered research centre of Bharati Vidyapeeth Deemed University in Computer Science.

13. Publications:

\* a) Publication per faculty

Sr.	Name of the Faculty	No. of Publication
1	Mrs. S.S.Shukla	01
2	Mrs. S.R.Jagtap	02
3	Mrs.Y.V.Bhapkar	02

\* Number of papers published in peer reviewed journals (national /international) by faculty and students

Sr.no	Name Of the Faculty	Publication Year	Name of Journal and Volume	Title	Impact Factor (if any)
2	Mr. C. H. Patil	2014	Proceedings of National Conference on Challenging Research Areas in Computer Science and Information Technology	Isolated Handwritten Marathi Character Recognition	2014, ISBN 978-93-83777-00-6.
3	Mrs.Y. V. Bhapkar	2015	International Journal of Information Systems Vol VI, Issue II	Comparative analysis of clustering algorithms for the study of home loan applicants using WEKA tool	ISSN:2229-5429,
4	Mrs. S. S. Shukla	2016	Asian Journal Of Multidisciplinary Studies Vol:4, Issue:4	Characterization of Techniques of TiO <sub>2</sub> thin films used for photovoltaic applications	ISSN:2321-8819(online ) Impact Factor :1.498
5	Mrs. S. R. Jagtap	2016	Asian Journal Of Multidisciplinary Studies Vol:4, Issue:4	A structured Approach to estimate efforts of software projects	ISSN:2321-8819(online ) Impact Factor :1.498
6	Ms. Manisha	2014	International	Logical Symbol	ISSN: 2278-

	Bharambe		Journal of Engineering Research & Technology (IJERT) Vol. 3 Issue12	Recognition using Normalized Chaincode and Density Features	0181
8	Ashwini Chaudhary	2014-15	Pratibha Institute of business Management Chichwad Pune	Architecting for Usability	ISBN: 97893834144 82

\* **Books Edited**

Name of the Faculty	Year	Title	Journal/conference/seminar
Mrs.S.S.Shukla Mrs.S.R.Jagtap	2013- 2014	Proceedings of conference Advances in computer science and information technology	Conference ISBN No:978-81-923438-4-6

\* **Books with ISBN/ISSN numbers with details of publishers**

Name of the Faculty	Book title	Year of Publication	Publisher	ISBN No.	No. of Editions
Mrs. S.S. Shukla	Digital Image Processing	2013	Vision Publication	978-93-5016-120-3	02
Mrs. S. R. Jagtap	Advanced Operating System	2013	Vision Publication	978-93-5016-120-3	01

\* **Impact factor**

\* h-index : Nil

**14. Faculty as members in**

**a) National committees b) International Committees c) Editorial Boards....**

Name of the Faculty	Name of Board/Council
Mrs. Shukla S. S.	BOS(Computer Science)
Mrs. Jagtap S. R.	BOS(Computer Science)
Mrs.J.S.Ghadge	BOS(Computer Science)
Mrs.Y.V.Bhapkar	BOS(Computer Science)

## **15. Student projects**

### **Annexure -I**

- a) Percentage of students who have done in-house projects including inter departmental/programme  
100%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies  
100%

- 16. List of eminent academicians and scientists / visitors to the department

Sr	Name of the Dignitaries	Designation	Occasion	Date
1	Dr. Mrs. Mamata Satpathy	Utkal University, Bhuwaneshwar , NAAC Peer Team Member	NAAC Reaccreditation	27-10-2012
2	Dr. Putha Chinnappa Reddy	NAAC Peer Team Member	NAAC Reaccreditation	27-10-2012
3	Dr. Meheraj Ud-Din	NAAC Peer Team Member	NAAC Reaccreditation	27-10-2012
5	Dr. M. Sasikumar	Director, R & D, C-DAC	Computer Dept.: National Seminar	28-02-2012
6	Dr. G. Hemantkumar	Mysore University, Mysore	Computer Dept.: National Seminar	28-02-2012
7	Dr. Arvind Shaligram	HoD, Dept. of Electronics, Pune Univ.	Computer Dept.: National Seminar	28-02-2012
8	Dr. D. C. Gharpure	Reader, Dept. of Electronics, Pune Univ.	Computer Dept.: National Seminar	28-02-2012
9	Dr. Arun K. Pujari	Vice Chancellor , Central University of Rajasthan, Bandra Sindri	Computer Science National Seminar	06-02-2013
10	Dr. Haridas Acharya	Director MCA , Allana Institute of Management, Pune	Computer Science National Seminar	06-02-2013
11	Dr. M.S.Prasad	Director ,MCA program Institute of Management and Entrepreneurship Development, Pune	Computer Science National Seminar	06-02-2013
12	Mr. Rajan Kale	Validation and verification Manager from iGATE company	Computer Science National Seminar	06-02-2013
13	Dr. Basant Rajan	CEO, Coriolis Technologies, Pune	Chief guest for National conference on “Advances in Computer Science and Information Technology”	27-09-2013
14	Dr.K. Seetharaman	Associate Professor And HoD Computer Science & Engineering, Directorate Of Distance Education Annamalai University, Annamalai Nagar Chidambaram – 608 002, Tamil Nadu, India	Resource person for National conference on “Advances in Computer Science and Information Technology”	27-09-2013
15	Dr.D.N.Malkhede	Professor, College of Engineering, Pune	Resource Person For National Conference On “Advances In Computer Science And Information Technology”	27-09-2013
16	Mrs. Shraddha Savekar	Software Developer, Axis Technical Pvt. Ltd., Pune	Resource Person For National Conference On “Advances In Computer Science	27-09-2013

17. Seminars/ Conferences/Workshops organized & the source of funding

a) National Level

Sr.	Year	Date	Seminar/conferences/workshops	nop	Funding Agency	Amount
1	2011-2012	28/02/2012 to 29/02/2012	Digital Image Processing and Character Recognition	135	UGC	1,50,000
2	2012-2013	6/2/2013	Computing Communication and information technology	196	UGC	1,00,000
3	2013-2014	27/09/2013 to 28/09/2013	Advances in Computer Science and Information Technology	168	BVDU	1,47,662
4	2014-2015	18/02/2015	Workshop on Scilab and Cloud Computing	44	UGC	1,25,000
5	2015-2016	12/02/2016	Workshop on Android	48	BVDU	69448

18. Diversity of Students

Year	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2011-2012	F.Y.B.Sc.(Computer Science)	87.50%	4.16%	8.33%
	S.Y.B.Sc.(Computer Science)	93.34%	3.33%	3.33%
	T.Y.B.Sc.(Computer Science)	88.88%	8.89%	2.23%
	M.Sc.(Computer Science)-I	84.60%	1.88%	13.16%
	M.Sc.(Computer Science)-II			
2012-2013	F.Y.B.Sc.(Computer Science)	67.62%	11.76%	20.58%
	S.Y.B.Sc.(Computer Science)	87.50%	4.16%	8.33%
	T.Y.B.Sc.(Computer Science)	93.34%	3.33%	3.33%
	M.Sc.(Computer Science) I	77.27%	6.81%	15.89%
	M.Sc.(Computer Science) II	84.60%	1.88%	13.16%
2013-2014	F.Y.B.Sc.(Computer Science)	84%	8%	8%



	S.Y.B.Sc.(Computer Science)	67.62%	11.76%	20.58%
	T.Y.B.Sc.(Computer Science)	87.50%	4.16%	8.33%
	M.Sc.(Computer Science) I	66.66%	Nil	33.33%
	M.Sc.(Computer Science) II	77.27%	6.81%	15.89%
2014-2015	F.Y.B.Sc.(Computer Science)	97.28%	Nil	2.56%
	S.Y.B.Sc.(Computer Science)	84%	8%	8%
	T.Y.B.Sc.(Computer Science)	67.62%	11.76%	20.58%
	M.Sc.(Computer Science) I	84.61%	7.69%	7.69%
	M.Sc.(Computer Science) II	87.50%	4.16%	8.33%
2015-2016	F.Y.B.Sc.(Computer Science)	85%	12.5%	2.5%
	S.Y.B.Sc.(Computer Science)	97.28%	Nil	2.56%
	T.Y.B.Sc.(Computer Science)	84%	8%	8%
	M.Sc.(Computer Science)	81.82%	Nil	18.18
	M.Sc.(Computer Science) II	84.61%	7.69%	7.69%

**19. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?**

Sr.	Name of the student	Examination Passed
1	Ankush Kharche	MPSC (PSI)

**20. Student progression**

Student progression	Percentage against enrolled
UG to PG	25.27
PG to Ph.D.	5.67
Employed	
* Campus selection	10.54
* Other than campus recruitment	50.47
Entrepreneurs	2.94

21. Details of Infrastructural facilities

a) Library

The department maintains separate department library for ready reference. The staff and students have access to all the reference books in the department library in addition to central library. The department library also maintains demo CDs, IT related magazines etc.

ΩⓈ Internet facilities for Staff & Students

The college has dedicated lease-line of 5mbps. The college provides WI-FI facilities for Staff as well as students. In addition the entire building was upgraded by cabled networking so as to share the speed of internet uniformly to all the users. Optical Fiber network installed for speedy communication and efficient connectivity. Each faculty is provided with laptop with internet facility and antivirus for fast and safe communication. The central internet facility is utilized by the students, research scholars and faculty.

ℳⓈ Class rooms with ICT facility

ICT facilities serve as a good visual aid and empower teachers to transform the traditional black board, chalk and talk method into interactive sessions. This mode of teaching enables the teachers to simplify the complex concepts, so as to help the students record the perception in their memory for a longer period of time. ICT enabled research room facilitates and quantifies the qualitative research output of the researchers.

d) Laboratories

Two state-of-art air conditioned laboratories well equipped with 64 P-IV computers, LCDs, 63laptops, laser and dot-matrix printers. The laboratories are WI-FI enabled thus providing high internet speed, so that tech savvy students can explore digital media to optimize their knowledge thrust.

31. Number of students receiving financial assistance from college, university, government or other agencies

Sr.	Year	No.of students benefitted	Financial assistance received from	Amount received in Rs.
1	2011-12	22	BVDU	305585.00
2	2012-13	14	BVDU	162675.00
3	2013-14	29	BVDU	343600.00
4	2014-15	27	BVDU	329550.00

22. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

<b>Academic Year: 2011-12</b>	
Title of the Event	Date
Guest Lecture on ‘Credit System in Higher Education’	27/01/2012
<b>Academic Year: 2012-13</b>	
Guest Lecture on ‘God Particles’	17/09/2012
Guest Lecture on ‘Competitive Examinations-A Challenge’	22/09/2013
<b>Academic Year: 2014-15</b>	
Guest Lecture on ‘Career Opportunities in IT Industry’	14/08/2014

Workshop on Scilab and Cloud Computing	18/02/2015
<b>Academic Year: 2015-16</b>	
Lecture on M.P.S.C. and U.P.S.C. Competitive Examination	02/03/2016
Guest Lecture on ‘Artificial intelligence, science, technology the revolutionary arts for mankind	29/02/2016
Workshop on Android	12/02/2016

23. Teaching methods adopted to improve student learning

- Use of audio-Visual aids
- Chalk and talk method
- Heuristic Method
- Mind maps
- Demonstrations on youTube
- Use of ICT in teaching-learning process
- Semester wise project to bridge gap between theory and practical as well as for application development
- Group discussions and PPT presentations for interactive approach
- Internet connectively for supported by use of social media
- Internship in IT industry

24. Participation in Institutional Social Responsibility (ISR) and Extension activities  
The NSS unit of the Institute celebrates and organizes a variety of activities during every academic year. Students of computer science department are volunteers of NSS. These includes

- Tree plantation
- Blood donation
- Pulse polio programme
- 4.Hbcheck up program
- Swachh Bharat Mission programme
- AIDS day celebration
- Poster , essay competition
- Environmental Awareness Programme
- Celebration of birth anniversaries of real heroes
- NSS camp