

DEPARTMENT OF COMPUTER SCIENCE

DEPARTMENTAL PROFILE

1. Faculty profile – adequacy and competency of faculty.

The Department runs one self-financing programme B.Sc. (Computer Science). The department offers a career oriented programme 'Web Designing and Office Automation' sponsored by UGC. It has two teachers full time appointed on Ad-hoc basis. The faculty profile of the department is as under:

Sr.No.	Name of the Teacher	Qualification	Area of Specialization	Teaching Experience
01	Mr. S.E.Tayade, H.O.D.	M.Sc., M.Phil.	Image processing	09
02	Mr. N.D.Jambhekar	M.Sc.	Digital Library	06

2. Student profile – entry level competencies, socioeconomic status, language proficiency etc.

Student profile for the current session (2010-11).

The students are admitted on 'first come first serve basis' who have passed H.S.S.C. examination with Mathematics as one of the subjects. The intake capacity of B.Sc. computer science course is 40. The students admitted to the course regardless of caste, creed, religion etc. i.e. from all strata of socio-economic background. The admitted students come from rural area and have comparatively poor proficiency in English.

3. Changes made in courses or programmes during past two years and contribution of the faculty to those programmes.

The syllabi of B.Sc. Computer Science have undergone complete revision during last two years owing to implementation of semester pattern. Since the college is an affiliated college, it has to follow curricula of University. Nevertheless the faculty member convey their suggestions for revision of curricula through B.O.S. members during syllabus reframing meetings at University level.

4. Trends in the success and dropout rates of the students during the last two years.

The trends in the success and drop out rate of students during last two year is as under:

Year	% Passed	Drop out
2009-10	72.41%	3.84%
2010-11	93.33%	0.99%

The progress of student is satisfactory. A good no of students pass in first class.

Achievement : Ms. Rashmi J. Baxi stood 4th in the merit list of B.Sc. for the year 2009-10.

5. Learning resources of the department – Library, Computers, Laboratories and other resources.

Library: The departmental library has a collection of more than 102 books. Apart from the departmental library, the faculty members have a good collection of personal books which are made available to the students.

Computers: The department has one well equipped computer laboratory with 65 computers. All computers are connected in LAN. Broadband Internet facility is available in the Computer Laboratory.

Other resources: The department has 02 LCD projectors and multimedia kits for teaching.

6. Modern teaching methods practiced and use of ICT in teaching-learning.

Apart from traditional methods, faculty members adopt modern teaching methods like workshop, group discussion, seminar, guest lectures and one to one interaction. The faculty members also use audio-visual teaching aids like LCD projector, CDs and DVDs.

7. Participation of teachers in academic and personal counseling of students.

All teachers of the Departments are actively engaged in student counseling. The department maintains a record of counseling activities.

The fast learners are encouraged to achieve excellence, while the slow learners are given special attention to overcome their deficiencies. Remedial coaching are organized for slow learners.

8. Details of faculty development programmes and teachers who have been benefited during past two years.

The department has organised one day workshop on “Information Communication Technology” (ICT) on 23rd March 2010, which has benefited teaching and non-teaching staff.

9. Participation / contribution of teachers to the academic activities including teaching. Consultancy and research.

Computer Science Association serves as a platform for co-curricular and extra curricular activities for the students. Experts from other institutions are invited to deliver special lectures seminar, group discussions for the students. The faculty members actively participated in seminar, conference, symposia in last two years. They have motivated students to participate in Avishkar 2010 and 2011.

Mr. S.E.Tayde :

1. One day workshop on “Current Trends in IT” at Vidya Bharati Mahavidyalaya, Amravati on 13th January 2006.
2. One day Seminar on “Ethical hacking” at Vidya Bharati Mahavidyalaya, Amravati 25th August 2007.
3. National Seminar on “ITes-2009” at Shri Shivaji College, Akola on 11th April 2009.
4. One day Workshop on “Information Literacy” at S.S.S.K.R.Innani Mahavidyalaya, Karanja (Lad), 27th November 2009.
5. State level symposia on “Womens Role in Conservation of Environment” at S.S.S.K.R.Innani Mahavidyalaya, Karanja (Lad), on 30 December 2009.
6. National Level Seminar on “Water Energy, Environment and Society” at P.N.College, Pusad on 30th January 2010.
7. State level Conference on “Conservation of Natural Resources with Special Reference to changes in Agriculture” at B.B. Science College, Digras. On 10th -11th February 2010.
8. One day workshop on “Semester Pattern Implementation” 09 at S.S.S.K.R.Innani Mahavidyalaya, Karanja (Lad) on 29th September 2010.
9. National Conference on “Impact of Global Recession of Indian Economy” at S.S.S.K.R.Innani Mahavidyalaya, Karanja (Lad) on 3rd - 4th February 2011.

10. State Level workshop on “FOSS” at Shivaji Science College, Amravati. on 21st – 23rd July 2011.

11. One day workshop on “Internal Assessment Methods” at S.S.S.K.R.Innani Mahavidyalaya, Karanja (Lad) on 28th July 2011.

Mr. N.D.Jambhekar :

1. Two day workshop on “XML Technology”, Shri Shivaji College Amravati, 27-28 oct 2005.

2. National Seminar on “Information Technology Enabled Services”, Shri Shivaji College Akola, 11 april 2009.

3. One day Workshop on “Information Literacy”, S.S.S.K.R. Innani Mahavidyalaya Karanja Lad, 27 Nov 2009.

4. Sate level Symposium on “Womens Role in the Conservation of Environment”, S.S.S.K.R. Innani Mahavidyalaya Karanja Lad, 30 December 2009.

5. National Level Seminar on “Water, Energy , Environment and Society”, P.N. College Pused, 30 January 2010.

6. State Level Conference on “Power Crisis in Maharashtra and its economy”, Y.D.V.D Arts, Commerce and Science college Teosa, 6 February 2010.

7. Sate Level Conference on “Energy Conservation-Todays Need”, B.B. Arts, N.B. Commerce and B.P. Science college Digras,10 & 11 Feb 2010.

10. Collaboration with other departments / institutions, at the state, National, and International levels, and their outcome during pat two years.

The department has collaboration with various departments of same college and parent institutions Vidyabharati Mahavidyalaya, Amravati.

11. Priority areas for research and details of the ongoing projects, important and noteworthy publications of the faculty, during past two years.

Sr. No.	Name of Principal Investigator	Title of project	Status
01	Mr. S.E.Tayde	“Image analysis using statistical function”.	Completed June

			- 2009
02	Mr. N.D.Jambhekar	"The framework to convert the traditional library into digital library : A case study".	On going

LIST OF THE PUBLICATIONS BY FACULTY MEMBERS :

Name of the faculty : Mr. S.E.Tayde :

A) Research Papers :

1. S.E.Tayde : State level symposia on "Womens Role in Conservation of Environment" at S.S.S.K.R.Innani MV, Karanja (Lad), on 30 December 2009.
2. S.E.Tayade : National Conference on "Impact of Global Recession of Indian Economy" at S.S.S.K.R.Innani Mahavidyalaya, Karanja (Lad) on 3rd - 4th February 2011.

Name of the faculty : Mr. N.D.Jambhekar :

A) Research Papers :

1. N.D.Jambhekar : "Womens Role in the conservation of Environment", Sate level Symposium on "Womens Role in the Conservation of Environment", S.S.S.K.R. Innani Mahavidyalaya Karanja Lad, 30 December 2009.
2. N.D.Jambhekar : "Satellite application in the environment", National Level Seminar on "Water, Energy , Environment and Society", P.N. College Pusad, 30 January 2010.
3. N.D.Jambhekar : "Proper use of power and solution on power crisis", State Level Conference on "Power Crisis in Maharashtra and its economy", Y.D.V.D Arts, Commerce and Science college Teosa, 6 February 2010.
4. N.D.Jambhekar : "Energy conservation : todays need", Sate Level Conference on "Energy Conservation-Todays Need", B.B. Arts, N.B. Commerce and B.P. Science college Digras,10 & 11 Feb 2010.
5. N. D. Jambhekar : "The Traditional Library System & the framework to convert it into Digital Library."ISRJ Vol I, Issue VI July 2011, Page No- 179-181, ISSN 2230-7850.

12. **Placement record of the past students and the contribution of the department to aid student placements.**

The placement cell of the college keeps record of placement details of the students. The faculty members of the department has regularly guide the students about various avenues for job opportunities.

The department has organised a workshop on job opportunities and conducts aptitude tests to make students aware of the requirements of the industries. The leading software industries like Wipro, Infotech, CMS, Mahindra tech, Cognizant. Pune have absorbed students of the department. The students namely Ms. Aditi V. Ghude & Ms. Jagruti K. Sharma were employed in Cognizant before leaving the campus.

The Alumni visit the department regularly deliver lectures and interact with the students in order to prepare them for industrial career.

13. Plan of action of the department for the next five years.

- The department plans to start PG courses like PGDCS & MCA.
- Collaboration with corporate houses for placement of students.
- To upgrade computer lab facilities for UG courses to keep pace with the trends of the industry from time to time.
- To organize Seminar/Conference related to thrust areas of departments.
- To establish strong network with other IT professionals and training institutes to improve the jobs prospectus for students.
- To add more books in the departmental library.