

## Departmental Report of Mathematics

<b>Name of the Department:</b>	Mathematics
<b>Faculty</b>	1. Mrs Geeta A. Gokhale(HOD) 2. Mr.Jayprakash S. Sutar 3. Mrs. M.R.Bhalerao (Retired on 31/01/2008) 4. Dr.Anil S. Vaidya 5. Mr.Sandeep D. Kamble 6. Mr.Shravan K.Kamble
<b>Technical and administrative staff</b>	Mrs.Vanita Mishra
<b>Physical Infrastructure</b>	
<b>Programs and Subjects taught:</b>	1.F.Y.B.Sc.- Mathematics 2.S.Y.B.Sc.- Mathematics 3.T.Y.B.Sc.- Mathematics 4.T.Y.B.Sc.- Computer Programming and System Analysis 5.F.Y.B.Com.- Mathematical and Statistical Techniques 6.T.Y.B.Com.- Computer System and Application
<b>Other course and programmes:</b>	1.S.Y.B.A.- Quantative techniques 2.Remedial Course 3.Crash Course in Mathematics for S.Y.B.Sc.(Mathematics)Students
<b>Add-on course of UGC career oriented course under X Plan by the department:</b>	Nil
<b>Revision of Syllabus by the University (Since 2005: subject and year)</b>	1. F.Y.B.Com.- Mathematical and Statistical Techniques-June 2008 2. F.Y.B.Sc. - Mathematics-June 2008 3. S.Y.B.Sc. - Mathematics-June 2009 4. T.Y.B.Sc. -Mathematics-June 2010 5. T.Y.B.Sc. -Computer Programming and System Analysis June 2007 6. T.Y.B.Com.-Computer System and Applications June 2009
<b>Salient features of Department</b>	
<b>Projects undertaken, completed:</b>	Nil
<b>Seminars conducted by the department:</b>	1. One day seminar on the syllabus of Computer programming and system analysis conducted jointly by V.G.Vaze College and Mathematical Colloquium, Mumbai. 2. One day Workshop on Revised T.Y.B.A/B.Sc syllabus of Mathematics conducted jointly by V.G.Vaze College and Board of Studies of Maths, University of Mumbai on 17 <sup>th</sup> July 2010
<b>Consultancy projects:</b>	Nil
<b>Contribution of the Department to college administration and activities:</b>	1.Mrs.Geeta A. Gokhale: 1.Chairperson Of Time Table and Academic Calendar Committee-July 2005-March2009 2.Convenor of Library Committee-July 2006-March2009 3.Chairperson of Examination Committee-

	<p>June 2009 onwards 4. Member of Admission Committee-June 2005 onwards.</p> <p>2.Mr Jayprakash S. Sutar: 1.Member of Examination Committee-June 2005 onward 2.Member of Local Managing Committee-December 2009 onwards 3.Member of Admission Committee-June 2005 onwards</p> <p>3.Dr.Anil S. Vaidya 1.Convenor of External Culture Committee-June 2005 to March 2006 2.Convenor of External and Internal Cultural Committee- June 2006-March 2009 3.Member of Local Managing Committee-June 2005 onwards 4.Convenar of Dimensions-June 2009 onwards 5.Convenor of Canteen Committee-June 2009 onwards 6.Member of Library Committee-June 2009 onwards 7.Member of Admission committee-June 2009 onwards</p>
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**Student Profile**

**Class: T.Y.B.Sc.**

	I class	II class	Pass class	Total	% pass
2005 - 06	05	19	-	35	64.66%
2006 - 07	12	06	-	23	78.26%
2007 - 08	17	03	08	42	66.67%
2008 - 09	13	06	-	28	67.85%
2009 - 10	09	11	02	28	78.57%
2010-2011	05	13	--	23	78%

**Class: T.Y.B.Com.**

	I class	Iiclass	Pass class	Total	% pass
2005-06	131	52	21	205	99.50%
2006-07	96	67	36	212	93.86%
2007-08	160	64	30	260	97.50%
2008-09	140	51	23	216	99.07%
2009-10	133	55	22	213	98.59%
2010-11					

**Class: FYBSc**

Year	I class	Iiclass	Pass class	Total	% pass
2005-06	11	15	10	48	75.00
2006-07	20	08	07	46	76.09
2007-08	16	15	15	59	77.97
2008-09	03	09	05	48	35.42
2009-10	15	18	21	75	72.00
2010-11	15	15	16	66	69.63

**Class: SYBSc**

Year	I class	Iiclass	Pass class	Total	% pass
2005-06	11	07	02	21	95.24

2006-07	12	10	01	31	74.19
2007-08	11	08	02	23	91.30
2008-09	07	11	12	36	83.33
2009-10	05	07	11	29	79.31
2010-11	11	08	02	23	91.30

Class: FYBCom

Year	I class	Iiclass	Pass class	Total	% pass
2005-06	63	80	196	511	66.34
2006-07	101	102	115	506	62.85
2007-08	70	122	172	467	77.94
2008-09	64	135	186	451	85.37
2009-10	70	130	180	469	81.02
2010-11	82	113	175	461	80.26

**Innovations in Teaching Methods:**

- 1) Teaching S.YB.Sc. students using constructive approach
- 2) Some topics are introduced by the students as they have exposure to the topics while doing professional courses outside.
- 3) Students give the seminars on allied topics which are basically of applied nature, under the guidance of faculty members.
- 4) Power Point presentations are used while teaching certain course work at T.Y.B.Sc. level which is highly appreciated by the students.
- 5) To prepare students for T.Y.(i.e for final year) after second year results, one week crash course is offered to the students willing to brush up the knowledge earned during first two years of Degree college.

**Innovations in Evaluation methods:**

- 1) Seminars given by the students are evaluated and then marks/credit earned are added in the marks for internal assessment.
- 2) Tutorials are conducted on regular basis for F.Y./S.Y. students. After conduct of tutorials, tests are conducted on a regular basis on the topics covered in regular tests.
- 3) Department is planning to conduct pen book test, on the regular basis, for all students.

**Plans for coming five years:**

- 1) To introduce project and seminars as part of curriculum. These projects and seminars will be evaluated internally by the panel of teachers in the department
- 2) To train students for various entrance examinations held after graduation. All students are to be trained for the examinations like NET/SET.
- 3) All internal tests to be open book tests.

**Annual budget of the department for library**

Year	Allocation (Rs)	Utilization (Rs)
2005-06	13,950.00	14,229.00

2006-07	15,000.00	12,403.75
2004-08	18,900.00	21,326.00
2004-09	18,900.00	26,975.70
2009-10	18,500.00	12,072.75

**Books in the Library: Journals:**

**Prominent Alumni**

Name	Field	India/Abroad	Other Details
Prasad Deodhar	Banking	India	UPSC (Probationary officer)
Anupama	Actuarial Science	India	
Priya Mahadik	Software I.T. Industry	India	M.Sc.IIT
Kushal Gore	I.T.Industry	India	M.Sc Iit Gohatti
Lisha	Software	India	M.Sc.Computer
Kripa Nambiar	Working after MCA	India	

**Other Highlights**

<b>Mrs. Geeta A. Gokhale:</b>	Elected as Member of Board of Studies and Broad of Education, University of Mumbai, 2006-2008. Worked as assistant co ordinator IGNOU,2005-2008
<b>Mr.Jayprakash S. Sutar ;</b>	Chairperson of T.Y.B.Sc. Maths Practical Exams, University of Mumbai ,2008 onwards
<b>Dr.Anil S.Vaidya;</b>	Member of Board of Studies of Maths for Maharashtra State Secondary and Higher Secondary Education, 2006 onwards. Convenor of Board of Studies of Maths for Maharashtra State Secondary and Higher Secondary Education,2008 onwards.

**Information for E format**

Name of Department	Mathematics
Year of Establishment	1984
No.of Teachers (2009-2010)	05
No.of Administrative staff (2009-2010)	-
No. of Technical Staff (2009-10)	01
No. of Ongoing Projects (2009-10)	-
Ratio of students to teacher(2009-10)	F818:05 i.e 164.01
No.of book in Departmental Library,if any (2009-10)	-
No. of Journals/Periodicals (2009-10)	-
No.of Computers (2009-10)	1 laptop
Research Projects completed durind last year and its outlay	-
Success rate of students (last year)	T.Y.B.Sc -78.57% T.Y.B.Com-98.59% F.Y.BCom-81.02% F.Y.B.Sc-72% S.Y.B.Sc-79.31%
Annual Budget (ast year)	-
Faculty who have attended Natl/Intl Seminars (last 5 years)	-
Award and recognition received by the faculty (last 5 years)	-
Publications by faculty (last 5 years) no	03
No.of students passed in NET/SET etc. (last 5 years)	-`