

DEPARTMENT REPORT OF BOTANY

Name of the Department: -	Botany
Faculty:-	Dr Siddhivinayak S Barve Dr. (Mrs.) M A Deodhar. Dr S. Dhuri Mr. Ajit A. Kengar
Technical and administrative staff:-	2+11
Physical Infrastructure: -	PCR ,electrophoresis and gel documentation unit. Cetrifuges Microscope with camera attachment Co2 incubator inverted microscope. Laminar flows culture rooms Green house facility
Programs and Subjects taught	F.Y B.Sc Botany S.Y B.Sc Botany T.Y B.Sc Botany and environmental studies as applied component
Other courses and programmes:-	Biotechnology
Add-on courses UGC career oriented course under X plan by the department:	
Revision of syllabus by the university.	FYBSc 2010-2011 SYBSC2009-10 TYBSc 2010-2011
Salient features of Department	1. CPE Programme at Vaze College is initiated with the main objectives to harness Industry- Academics- Agriculture- synergy for mutual growth. to project Agriculture as

	<p>Chief Beneficiary by providing Viable Technical Inputs to Develop Field Oriented Technologies, to tap Material Resources from the Industry and to provide Employment in Rural Areas</p> <ol style="list-style-type: none"> 2. The programme also envisaged training Students as per the user needs making education as tool for empowering career and to develop research facilities leading to developing patentable technologies leading to export with collaborations, MoUs and Academic Linkages 3. Create a Center of Excellence in the field of Biotechnology with special reference to Aromatic and Medicinal Plants and Teaching Training and Extension Activities in the field of Agriculture, Industry and Academics 4. A UGC Review Committee with the following members visited the college on 20 – 21 February 2006 to review the CPE Programme Performance of the College. The Committee recommended revised allocation of grants under the CPE Scheme and recommended the Continuation of the CPE Status to the College for one more year, in the first instance. 5. Students Training to take up CPE activities in Mol Biology, Animal Tissue Culture and Bioremediation is currently undertaken <p>Agreements: The College has tied up with the following Organizations through MOU:</p> <ol style="list-style-type: none"> 6. Thane Municipal Corporation, Thane for Bioremediation Project 7. Pitambari Products, Mumbai for Agro Technologies 8. Padmaja Labs, Navi Mumbai for Biodiversity Analysis
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<p>Conferences / Workshops / Symposia Organized</p>	<ol style="list-style-type: none"> 1. Two Day State Level Training Programme was Organized with Small Industries Service Institute (SISI), Ministry of Small Scale Industries, Government of India, in the Month of April 2005. Over 35 participants from all over the State of Maharashtra attended the Training Programme. The Training in Plant Tissue Culture and Greenhouse Technology was imparted to the participants. 2. One Day National Level Biotechnology Entrepreneurial Orientation Programme was organized at Ministry of Medium and Small Scale Industries, MSME – Andheri, Mumbai in the month of July 2005. Over 35 participants from all over the country participated in the Entrepreneurial Sensitization Programme in Biotechnology. 3. Govt. of India sponsored One Month National Level Entrepreneurial Skill Development Programme was organized in VAZE College. This is the first time that such a programme in Biotechnology is arranged at the College Level. 35 Participants from all over the country participated in the programme. The hands on training in Plant Tissue Culture, Animal Tissue Culture, Molecular Biology, Bioprocess Technology and the Greenhouse Technology was imparted and an Expert Team drawn from the Industry delivered the lead lectures. 4. Lady Tata Memorial Trust Sponsored Training Programme in Animal Tissue Culture Seven Day Training Programme in Animal Tissue Culture was imparted to Teachers from constituent colleges form Mumbai University. 20 Teachers participated in the Tissue Culture Training Session. The Programme was supported by ACTREC, a premier institute in India.
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	<p>5. Three two week free Training Programmes were conducted exclusively for 25 S.Y.B.Sc. Students of Vaze College Training in Plant Tissue Culture and Greenhouse Technology was organized for Vaze College Students during the Academic Year 2005-06, 2006-07, 2007-08 and 2008-09.</p> <p>6. Eight Summer Training and Diwali Vacation programmes in Plant Biotechnology are organized since the Summer Vacation in Mar-Apr 2006, Mar-Apr 2007, Mar-Apr 2008 and 2008-09. Ten students per batch from various colleges in Mumbai participated in the programs.</p>
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Contribution of the department to college administration and activities.-

Dr G T Paratkar Principal from

Dr S S Barve coordinator biotechnology 2009 onwards

Dr Mrs Deodhar member of examination committee 2007-2010

Member cultural committee 2007-2010

Member exam com 2010 onwards

Students profile

Class: T.Y.B.Sc

YEAR	I CLASS	II CLASS	PASS CLASS	Total	% PASS
2005-06	10	05	--	17	88.24
2006-07	14	03	---	17	100
2007-08	05	03	---	08	100
2008-09	04	01	---	05	100
2009-10	07	--	---	07	100
2010 -11	09	--	--	10	90

Class: SYBSc Regular

YEAR	I CLASS	II CLASS	PASS CLASS	Total	% PASS
2005-06	10	21	01	33	96.97
2006-07	16	11	02	32	90.63
2007-08	10	10	00	22	90.91
2008-09	10	12	00	25	88.00
2009-10	05	14	00	25	76.00

Class: FYBSc Regular

YEAR	I CLASS	II CLASS	PASS CLASS	Total	% PASS
2005-06	16	35	08	73	80.82
2006-07	11	29	04	56	78.57
2007-08	03	22	00	57	43.86
2008-09	01	14	00	38	39.47
2009-10	05	08	06	92	20.65

Innovations in Teaching Methods:-

Innovation in evaluation Methods:-

Plans for coming five years :-

Annual budget for the department for library.

YEAR	Allocation (RS)	Utilization (RS)
2005-06	13950.00+6800.00	17855.00+40500.00
2006-07	15000.00+6800.00	12765.00+7180.00
2007-08	16900.00+6800.00	25528.50+510.00
2008-09	16900.00+6000.00	14242.00+5655.00
2009-10	16500.00	3521.00