

## Evaluative Report of the Botany Department

2014-15

1. Name of the department : **Botany**
2. Year of Establishment : **1971**
3. Names of Programmes / Courses offered : **UG**
4. Names of Interdisciplinary courses and the departments/units involved : **COP in Biotechnology.**
5. Annual/ semester/choice based credit system (programme wise) : **B.Sc -Semester System**
6. Participation of the department in the courses offered by other departments : **Nil**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**
8. Details of courses/programmes discontinued (if any) with reasons : **Nil**
9. Number of Teaching posts :

Name of post	Sanctioned	Filled
Professor	Nil	Nil
Assot. Professor	01	01
Assit. Professor	04	03

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

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1. Dr. J.S.Bansod	M.Sc, Ph.D	Associate Professor	Angiosperm Morphology	29 Years	Nil

			& Taxonomy		
2. Shri.O.S.Deshmukh	M.Sc, NET	Assitt. Professor	Cytogenetics	09Years	Nil
3. Shri.S.V.Satpute	M.Sc, B.Ed, SET	Assitt. Professor	Cytogenetics	14Years	Nil
4. Dr. M.B.Bobade	M.Sc, B.Ed,Ph.D	Assitt. Professor	Angiosperm Taxonomy, Palaeobotany	5 Years	Nil

11. List of senior visiting faculty : **NIL**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Sr.No.	Class	Percentage (Theory)	Percentage (Practical)
1	B.Sc. I ( Sem I & II)	Nil	<b>25%</b>
2	B.Sc. II (Sem. III & IV)	Nil	<b>33%</b>
3	B.Sc. III (Sem. V & VI)	Nil	<b>33%</b>

13. Student -Teacher Ratio (programme wise)

Sr.No.	Programme	Total students : Teacher	Student -Teacher Ratio
1	B.Sc. I ( Sem I & II)	112 : 4	<b>28 : 1</b>
2	B.Sc. II (Sem. III & IV)	97 : 4	<b>24: 1</b>
3	B.Sc. III (Sem. V & VI)	74 : 4	<b>18: 1</b>

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Sr.No.	Number of academic support staff (technical)	Sanctioned	Filled
1.	Lab. Assistant	01	01
2.	Lab. Attendant	04	02

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ M.Phil/PG.

Sr.No.	Name of the faculty	Qualification
1	Dr. J. S. Bansod	M. Sc., Ph. D.
2	Shri. O. S. Deshmukh	M. Sc., NET
3	Shri. S. V. Satpute	M. Sc., (SET), B. Ed.
4	Dr. M. B. Bobade	M. Sc, B.Ed, Ph.D

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Sr. No.	Name of the faculty	Name of the Project	Name of the national funding agency	Grant received
1	Dr. J. S. Bansod	Genetic Studies in <i>Psoralea corylifolia</i> with special reference to psoralean content. <b><u>Completed.</u></b>	UGC	65,000
2	Shri. O. S. Deshmukh	Studies on Environmental Impact assessment of Satpuda base of Warud Tahsil. <b><u>Ongoing.</u></b>	UGC	80,000
3	Shri. S. V. Satpute	Ethno Medicinal Biodiversity Assessment of Warud Tahsil, Dist. Amravati, (M. S.) <b><u>Ongoing.</u></b>	UGC	80,000
			<b>Total</b>	<b>2,25,000</b>

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

Sr.No.	Name of the faculty	Grant Received from U.G.C.
1	Dr. J. S. Bansod	65,000
2	Shri. O. S. Deshmukh	80,000
3	Shri. S. V. Satpute	80,000
	<b>Total</b>	<b>2,25,000</b>

18. Research Centre /facility recognized by the University: **Nil**

19. Publications: 06

a) Publication per faculty

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

Sr.No.	Name of the faculty	Number of papers published in National Jr.	Number of papers published in International Jr.
1	Dr. J. S. Bansod	-	01
2	Shri. O. S. Deshmukh	02	Nil
3	Shri. S. V. Satpute	02	Nil
4	Dr. M. B. Bobade	01	Nil

\* Number of publications listed in International Database (For Eg : Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **Nil**

\* Monographs: **Nil**

\* Chapter in Books:

Sr.No.	Name of the faculty	Name of the Chapter	Name of the Book and Publication
1	Dr. M. B. Bobade	Anatomy	Text Book of Botany, Nabh Prakashan, 4 <sup>th</sup> Semester.

\* Books Edited: **Nil**

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

\* Citation Index: **Nil**

\* SNIP: **Nil**

\* SJR: **Nil**

\* Impact factor: **Nil**

\* h -index: **Nil**

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in: **Nil**

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

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme

**SEED BANK ( Project Assignments for B.Sc. VI Semester)**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: **Nil**

23. Awards/ Recognitions received by faculty and students: **Nil**

**24. List of eminent academicians and scientists/ visitors to the department:**

1. Dr. P.W.Deotare, Professor and Head, Dept. of Botany, Shri Shivaji Science College, Amravati.
2. Dr. D.G.Bhadange, Principal and Ex Dean Science Faculty, Pundalikrao Gavali college, Shirpur Jain Dist . Washim.

**25. Seminars/ Conferences/Workshops organized & the source of funding**

**a) National :**

Nil

**b) International:**

Nil

**26. Student profile programme/course wise: Nil**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	

\*M=Male F=Female

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. I	100	Nil	Nil
B.Sc. II	100	Nil	Nil
B.Sc. III	100	Nil	Nil

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

## 29. Student progression

Student progression	Against % enrolled
UG to PG (2007-08 to 2011-12)	50%
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed <ul style="list-style-type: none"><li>• Campus selection</li><li>• Other than campus recruitment</li></ul>	
Entrepreneurship/Self-employment	Nil

## 30. Details of Infrastructural facilities

### a) 1) Departmental Library

Sr.No.	Name of the Item	Quantity
1	Books	100
2	Journals	Rheadea, Botanique, Bioinfolet
3	Magazines	Argobias and Everyman's Science, Science Reporter

### 2) College Library: 1200 books

b) Internet facilities for Staff & Students: Yes, Broad Band

c) Class rooms with ICT facility: Yes

d) Laboratories: Yes, Chember-01, antichember-01, store,  
Lab. Area - 151.05 Sq. m.

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

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

1. Dr. P.W.Deotare, Professor and Head, Dept. of Botany, Shri Shivaji Science College, Amravati.

2. Dr. D.G.Bhadange, Principal, Pundalikrao Gavali college, Sirpur Jain Dist . Washim.

33. Teaching methods adopted to improve student learning.

ICT, PPT, Models, Group Discussion, Seminars, Black Board Method, Charts, Field visit, Institutional visit, Botanical excursion Etc.

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

Extension Activities: Tree plantation, Soil testing camp for farmers, Blood donation camp, Environmental awareness programme, Facilitation of Herbal drugs and medicinal plants.

**35. SWOC analysis of the department and Future plans.**

**SWOC analysis:**

**Strength:**

1. Qualified Staff
- 2 Student's Strength
3. Quality teaching
4. Well Equipped laboratory
5. Infrastructure, Departmental Library
6. Creative thinking
7. Organizing Capacity.
- 8 Good University Results.
9. Excellent geographic location for Field Study.
- 10 Faculties are supportive of each other and collegial.
11. Active Research

**Weakness:**

1. MOU
2. Consultancy
3. Linkage with other Institutions

**Opportunity:**

1. Environmental Awareness Programmes
2. Field Visit & Floral Studies.
3. Research
4. Skill Development Programme
5. Tree Plantation

**Challenges:**

1. Economic conditions of students
2. Poor Environmental Awareness of the people

**Future Plans:**

1. Establishment of medicinal Plant Garden.
3. Establishment of Biotechnology Laboratory.
4. Organization of Soil Testing and Analysis Camp for Farmers of Warud Tahsil.
5. Digitized Inventorization of Flora of Warud Tahsil.
7. Organization of workshop on "Mushroom Cultivation" for Students and farmers.