

ADARSH SHIKSHAN SANSTHA BEED

**KALIKADEVI ARTS, COMM. & SCI.  
COLLEGE TQ, SHIRUR (KA) DIST- BEED**



**DEPARTMENT PROFILE  
OF BOTANY**

## **PROFILE OF DEPARTMENT**

### **□ SCOPE OF DEPARTMENT:**

*After completing graduation, student can appear for various competitive examinations like Indian Forest Services, Indian Administrative Services conducted by UPSC. He/she can also go for higher courses like M. Sc. (Botany), M. Sc. (Biotechnology), M.Sc. (Molecular Biology), M. Sc (Genetics), and M. Sc (Plant Physiology).*

*Amongst the careers available to a person who enjoys outdoors are positions as an ecologist, taxonomist, conservationist, and forester. Person with mathematical background might find biophysics, genetics, and developmental biology to be exciting fields.*

*Someone with an interest in chemistry might become a plant physiologist, plant biochemist, molecular biologist or chemo taxonomies. Student can also choose biotechnology, microbiology, mycology and phycology. Student can also option for ornamental horticulture and landscape design.*

### **□ IMPORTANCE OF THE SUBJECT:**

*Student can obtain specialization in plant breeding, plant pathology, agronomy, and horticulture. Teaching botany is challenging and rewarding career.*

*Some botanist work in marketing or administration of plant related industries such as pharmaceutical companies, seed companies, biotechnology firms, scientific publishers and biological supply houses.*

*Other plant biologists work in museums, herbaria and botanical gardens. Some with additional training become scientific writers, computer programmers and botanical illustrators.*

### **□ OBJECTIVES OF DEPARTMENT:**

- *To achieve academic excellence in basic and applied aspects of plant sciences.*
- *To impart basic and advanced education to students through teaching, learning, research and evaluation.*
- *To inspire the students towards better understanding and use of IT/Computer oriented interphase.*

□ **VISION OF DEPARTMENT:**

*Strive for understanding the diversified facets of plant science motivating young talents and society to unravel the prime role of plants in evolution and synergy of nature.*

□ **MISSION OF DEPARTMENT:**

*Committed to achieve the academic excellence and promote research towards strengthening the students' competence to fetch more and more opportunities in the field of plant science for better understanding of biodiversity and conservation strategies to sustain the life on mother earth.*

□ **INTRODUCTION:**

*The Department of Botany, established in 2005, is one of the best Department of Shirur Ka. in the field of teaching in plant sciences. Science faculty was started in June, 2005 in this institution. Initially there were only one class. The work load was just sufficient for one person as lecturer in this department. In June, 2006 the institution decided to expand the faculty hence the B.Sc. Second year and third year classes were opened. In response to the increased the works load as well as the 100% grant sanctioned in June 2009 and on 18 Aug. 2010 was the first appointment of myself in the department. Due to the further increase in work load Department having vacant two fulltime and one CHB posts.*

□ **ROLE OF DEPARTMENT IN PROVIDING VALUE BASED EDUCATION:**

- *Value education given in the Botany Dept. helps them to understand the perspective of life in a better way and lead a successful life as a responsible citizen.*
- *Value education given in the Botany Dept. teaches them the best way to live that can be beneficial to individuals as well as the people around them.*
- *Value education given in the Botany Dept. gives a positive direction to the students to shape their future and even helps them to know the purpose of their life.*
- *Value education given in the Botany Dept. develops a positive view of life in the student's mind.*
- *Value education given in the Botany Dept. also helps students to develop a strong relationship with family and friends.*

- Value education given in the Botany Dept. also helps the students to become more and more responsible and sensible.
- Value education given in the Botany Dept. develops the character and personality of the students.

□ **YEAR OF ESTABLISHMENT:**

Sr. no.	Department	Particulars	Date of Establishment
1	UG	F.Y., B.Sc. Botany	15 <sup>th</sup> June 2005
2		S.Y., B.Sc. Botany	15 <sup>th</sup> June 2006
3		T.Y., B.Sc. Botany	15 <sup>th</sup> June 2007

□ **COURSES OFFERED:**

➤ **CIRCULAR NO.SU./B.Sc.CBC & GS/11/2022**

Date: 29.08.2023 has accepted the following Syllabi of B.Sc. Degree under the Choice Based Credit & Grading System along with Rules and Regulation as appended herewith:

1	B.Sc.Computer Science (Optional)	Ist and IInd semester
2	B.Sc. Computer Application (Optional)	Ist and IInd semester
3	B.Sc. Computer Application (Degree)	Ist and IInd semester
4	B.Sc. Computer Science (Degree)	Ist and IInd semester
5	B.Sc. Horticulture (Optional)	Ist to VIth semester
6	B.Sc.Botany (Optional)	Ist to VIth semester
7	B.Sc. Agrochemical & fertilizer (Optional)	Ist to VIth semester
8	B.Sc. Home Science (Optional)	Ist and IInd semester
9	B.Sc. Automobile Technology (Degree)	Ist and IInd semester
10	B.Sc. Workshop Technology (Degree)	Ist and IInd semester
11	B.Sc. Refrigeration and Air Conditioning (Degree)	Ist and IInd semester
12	B.Sc. Environmental Science (Optional)	Ist and IInd semester
13	B.Sc.Biotechnology (Degree)	Ist and IInd semester
14	B.Sc. Biotechnology (Optional)	Ist and IInd semester
15	B.Sc.Dairy Sci. & Tech (Optional)	Ist and IInd semester
16	B.Sc.Zoology (Optional)	Ist to VIth semester
17	B.Sc. Polymer Chemistry (Optional)	Ist and IInd semester
18	B.Sc. Fisheries Science (Optional)	Ist and IInd semester
19	B.Sc. Instrumentation Practice (Optional)	Ist semester
20	B.Sc. Biochemistry (Optional)	Ist and IInd semester
21	B.Sc.Non Conventional & Conventional Energy (Degree)	Ist and IInd semester

This is effective from the Academic Year 2022-23 and onwards.

Ref. No. SU/B.Sc./2022/8428-35 Date:-29.08.2022.

□ **COURSE STRUCTURE:**

C.B.C. & G.S. B.Sc. Botany Syllabus, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. Course Structure of B.Sc. program (Faculty of Science) under CBCS pattern:

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad Choice Based Credit System (CBCS) Structure & Curriculum B.Sc. Botany Three Year Undergraduate Degree Program									
	Course	Course Code	Course Title	Periods (Periods /week)	Credits	Scheme of Examination			
						Max Marks	CI A	UA	Min Marks
Semester I	Optional I (DSC-1A) Core Courses	BOT-111	Diversity of Cryptogams - I (Theory Paper-I)	45(3/week)	02	50	10	40	20
		BOT-112	Morphology of Angiosperms (Theory Paper-II)	45(3/week)	02	50	10	40	20
		BOT-121	Lab Course 1 (Based on BOT-111 and BOT-112)	45(3/week)	1.5	50	10	40	20
	Ability Enhancement compulsory courses (AECC-1)	ENG-131	Communication skills in English-I	45(5/week)	03	50	10	40	20
		SL-132	Marathi/Hindi/Additional English/Urdu/Sanskrit A student can opt for any one of these languages (SL-I)	45(4/week)	03	50	10	40	20
	Non-Credit Course	-	-	-	-	-	-	-	-
					225	11.5	250	50	200
Total Credits for Semester I : 11.5 (Theory: 10; Laboratory : 1.5)									
Semester II	Optional I (DSC-1B) Core Courses	BOT-211	Diversity of Cryptogams - II (Theory Paper-III)	45(3/week)	02	50	10	40	20
		BOT-212	Histology, Anatomy & Embryology (Theory Paper-IV)	45(3/week)	02	50	10	40	20
		BOT-221	Lab Course 2 (Based on BOT-211 and BOT-212)	45(3/week)	1.5	50	10	40	20
	Ability Enhancement compulsory courses (AECC-2)	ENG-231	Communication skills in English-II	45(5/week)	03	50	10	40	20
		SL-232	Marathi/Hindi/Additional English/Urdu/Sanskrit A student can opt for any one of these languages (SL-II)	45(4/week)	03	50	10	40	20
	Non-Credit Course	COI-213	Constitution of India	45(3/week)	02	50	10	40	20
		CCC-214	Compulsory Computer Course	45(3/week)	02	50	10	40	20
				315	11.5	350	70	280	140
Total Credits for Semester II : 11.5 (Theory: 14; Laboratory : 1.5)									
Semester III	Optional I (DSC-1C) Core Courses	BOT-311	Core Course (Theory Paper-V) Taxonomy of Angiosperms	45(3/week)	02	50	10	40	20
		BOT-312	Core Course (Theory Paper-VI) Plant Physiology	45(3/week)	02	50	10	40	20
		BOT-321	Lab Course 3 (Based on BOT-311)	45(3/week)	1.5	50	10	40	20
		BOT-322	Lab Course 4 (Based on BOT-312)	45(3/week)	1.5	50	10	40	20
	Skill Enhancement Course (SEC-1)	SEC-313	SEC-1 Any one skill to be chosen out of two SEC-1(A), SEC-1 (B)	45(3/week)	02	50	10	40	20
	Ability Enhancement compulsory courses (AECC-1)	ENG-331	Communication skills in English-III	45(5/week)	03	50	10	40	20
		SL-332	Marathi/Hindi/Additional English/Urdu/Sanskrit A student can opt for any one of these languages (SL-III)	45(4/week)	03	50	10	40	20
	Non-Credit Course	-	-	-	-	-	-	-	-
				315	15	350	70	280	140
Total Credits for Semester III : 15 (Theory: 12; Laboratory : 03)									

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad Choice Based Credit System (CBCS) Structure & Curriculum B.Sc. Botany Three Year Undergraduate Degree Program									
	Course	Course Code	Course Title	Periods (Periods /week)	Credits	Scheme of Examination			
						Max Marks	CI A	UA	Min Marks
Semester IV	Optional I (DSC-1D) Core Courses	BOT-411	Core Course (Theory Paper-VII) Gymnosperms & Utilization of Plants	45(3/week)	02	50	10	40	20
		BOT-412	Core Course (Theory Paper-VIII) Plant Ecology	45(3/week)	02	50	10	40	20
		BOT-421	Lab Course 5 (Based on BOT-411)	45(3/week)	1.5	50	10	40	20
		BOT-422	Lab Course 6 (Based on BOT-412)	45(3/week)	1.5	50	10	40	20
	Skill Enhancement Course (SEC-2)	SEC-413	SEC-1 Any one skill to be chosen out of two SEC-2(C), SEC-2 (D)	45(3/week)	02	50	10	40	20
	Ability Enhancement compulsory courses (AECC-4)	ENG-431	Communication skills in English-IV	45(5/week)	03	50	10	40	20
		SL-432	Marathi/Hindi/Additional English/Urdu/Sanskrit A student can opt for any one of these languages (SL-IV)	45(4/week)	03	50	10	40	20
	Additional Credits	EVS-413	Environmental Studies	45(3/week)	02	50	10	40	20
					360	15	400	80	320
Total Credits for Semester IV : 15 (Theory: 12; Laboratory : 03)									
Semester V	Optional I (DSE-1A) Discipline Specific Elective	BOT-511	DSE-1A(1) (Theory Paper-IX) Cell Biology & Molecular Biology	45(3/week)	02	50	10	40	20
		BOT-512	DSE-1A(2) (Theory Paper-X) (Select any one paper from A1/B1/C1/D1)	45(3/week)	02	50	10	40	20
		BOT-521	Lab Course 7 (Based on BOT-511)	45(3/week)	1.5	50	10	40	20
		BOT-522	Lab Course 8 (Based on BOT-512 A1/B1/C1/D1)	45(3/week)	1.5	50	10	40	20
	Skill Enhancement Course (SEC-3)	SEC-513	SEC-3 Any one skill to be chosen out of two SEC-3(E), SEC-3 (F)	45(3/week)	02	50	10	40	20
	Non-Credit Course	PEV-514	Professional Ethics and Moral Values	45(3/week)	02	50	10	40	20
					270	09	300	60	240
Total Credits for Semester V : 09 (Theory: 06; Laboratory : 03)									
Semester VI	Optional I (DSE-1B) Discipline Specific Elective	BOT-611	DSE-1B(1) (Theory Paper-XI) Genetics and Evolution	45(3/week)	02	50	10	40	20
		BOT-612	DSE-1B(2) (Theory Paper-XII) (Select any one paper from A2/B2/C2/D2)	45(3/week)	02	50	10	40	20
		BOT-621	Lab Course 9 (Based on BOT-611)	45(3/week)	1.5	50	10	40	20
		BOT-622	Lab Course 10 (Based on BOT-612 A2/B2/C2/D2)	45(3/week)	1.5	50	10	40	20
	Skill Enhancement Course (SEC-4)	SEC-613	SEC-4 Any one skill to be chosen out of two SEC-4(G), SEC-4(H)	45(3/week)	02	50	10	40	20
					225	09	250	50	200
Total Credits for Semester VI : 09 (Theory: 06; Laboratory : 03)									
Total Credits for three years: Semester I (11.5) + Sem.II (11.5) + Sem.III (15) + Sem.IV (15) + Sem.V (09) + Sem.VI (09) = 71 Credits									

□ **NO OF TEACHING POSTS:**

Designation	Available
Assistant Professor	Dr. Gholap Prakash Narayanrao
Part-Time Teacher	-Nil-

□ **FACULTY PROFILE WITH NAME, QUALIFICATION, DESIGNATION, AREA OF SPECIALIZATION, EXPERIENCE AND RESEARCH UNDER GUIDANCE**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D. Students guided for the last 4 years
Dr. Gholap P. N.	M.Sc., B.Ed., BSL., LLB., Ph.D.	Associate Prof. & Head	Botany - Plant Physiology	1+1+12	-Nil -

□ **PUBLICATIONS:**

Name of the Faculty	Total No. of Publication	Chapter in Books	Books Edited	Seminar/ Conference Presented	Seminar/ Conference Attended
Dr. Gholap P. N.	16	-Nil -	-Nil -	20	53

□ **IMPORTANT RATIOS**

Sr. No.	Description Ratio	
1	Teacher-Student Ratio	1:65
2	Teacher-Research Scholar Ratio	1:4

□ **PARTICIPATION OF FACULTY IN ACADEMIC EVENTS ORGANIZED BY UNIVERSITIES / OTHER INSTITUTIONS**

<b>Sr. No.</b>	<b>Academic Events Attended</b>	<b>Papers presented</b>	<b>Sessions chaired</b>
1	Conferences	<b>19</b>	00
2	Seminars	<b>01</b>	00
3	Workshops	00	00
4	Symposia	00	00
5	F D Programmes	00	00
6	Total	<b>20</b>	00

□ **DOCTORAL GUIDANCE**

<b>Sr. No</b>	<b>Description</b>	<b>Total</b>
1	Enrolment of Ph. D. students (during the last years)	00
2	Ph. D. degree awarded to students (during the last 5 years)	00
3	Pursuing Ph.D (as on date)	00

□ **AWARDS RECEIVED BY THE FACULTY MEMBERS**

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>No. of State Level Awards</b>	<b>No. of National Level Awards</b>	<b>No. of International Level Awards</b>
01	Dr. Gholap P. N.	02	01	00



□ **RESEARCH PROJECTS**

S. No.	Title of the project	Major/ Minor/ Other Projects	Period of the Project		Funding Agency UGC/ICSSR /AICTE/ Others	Amount of fund
			From	To		
Nil						

□ **SEMINARS/ CONFERENCES/WORKSHOPS ORGANIZED AND THE SOURCE OF FUNDING (In Last Three Years)**

Sr. No	National / International, Seminars / Conferences /Workshops Organized	Source Of Funding	Year
01	“Innovative Research in Science and Technology (ICIRST-2021)”	Self	25 <sup>th</sup> July 2021
02	“Strategies to Crack Competitive Exam in Life Science”	Self	07 <sup>th</sup> April 2022
03	“Life Sciences, Technology and Management (ICLSTM-2022)”	Self	05 <sup>th</sup> May 2022

□ **DETAILS OF MOUS AND LINKAGES.**

Sr. No	Organization	Nature of Collaboration Research/Faculty Exchange /Student Exchange/Others	Year
1	Please mention Name of the University	NA	
2	Please mention Name of the Institutions	Mrs. K. S. K. College, Beed	2020-21
3	Please mention Name of the Research Centres	NA	
4	Please mention Name of the Industry	NA	
5	Please mention Name of the Any Other organization	NA	

□ **STUDENT PROFILE PROGRAM-WISE:**

Name of the Course/Programme	Enrolled	
	Male	Female
First Year 2022-23		
Second Year 2022-23		
Third Year 2022-23		

□ **TEACHING METHODS ADOPTED TO IMPROVE STUDENT LEARNING:**

- I motivate students through displaying their own enthusiasm, encouraged students and providing interesting, enjoyable and active classes.
- I made Genuine, empathetic relationships with individual students have established so that interaction can take place.
- I do efforts and modify Curriculum designed as ensure that aims, concepts, learning activities and assessment are consistent with achieving learning outcomes related to future student needs.
- I made a variety of learning tasks that engage students, including student discussion, need to occur in order that meaningful learning takes place.
- I established by the relevance of what was taught using real-life, current and/or local examples and by relating theory to practice.
- I made assessment consistent with the desired learning outcomes and therefore, it happens authentic tasks for the discipline or profession.

□ **STUDENTS' PERFORMANCE EVALUATION:**

- Group Discussion.
- Seminars.
- Various Indoor & Outdoor college competitions.
- Test – Tutorial.
- Practical Exam.
- Annual Exam.

**COURSE OUT COME:**

Your ability to design and execute an experiment; your confidence, ability in communicating ideas and your capacity to think critically. This will serve as a lasting and practical basis for a career in teaching & research.

□ **DETAILS OF INFRASTRUCTURAL FACILITIES:**

Sr. No.	Particulars	Quantity	Remark
01	Dept. Computer <i>Lenovo</i>	01	--
02	Dept. Computer Table	01	KDMS.Tab.Bot.09
03	Dept. Study Table	01	KDMS.Tab.Bot.10
04	Dept. File Cupboard	01	KDMS/CuB.Bot. 19
05	Deptal. Book Cupboard	01	KDMS/CuB.Bot.18
06	Deptal. File Cupboard	01	--
07	Cushion Chair	01	--
08	Dept. Plastic Chair	03	--
09	Dept. Wall Clock	01	--
10	Dept. Scientist Photo Frame	06	--
11	Dept. Light Switch Board	03	--
12	Dept. Light Control Kit	01	--
13	Lab. Green Laboratory Table	08	KDMS.Tab.Bot.11,14,15
14	Lab. Wooden Laboratory Table	02	KDMS.Tab.Bot.12,13
15	Lab. Equipment Table	03	KDMS.Tab.Bot.08
16	Lab. Pract. Doc. Cupboard	01	KDMS/CuB.Bot.17
17	Lab. Equipment Cupboard	01	--
18	Lab. Chemical Cupboard	01	--
19	Lab. Chemical Rack	01	--
20	Lab. Lector	01	KMS/2006-07/D-6
21	Lab. Plastic Chair	01	--
22	Lab. Wooden Stool	11	--
23	Lab. Plastic Stool	09+21	--
24	Lab. Wooden	00	--

	Bench		
25	Lab. Green Board	01	--
26	Lab. Black Board	01	--
27	Lab. Wash Basin	03	--
28	Lab. Hot Air Oven	01	--
29	Lab. Electric Hot Plate	01	--
30	Lab. Electronic Balance	01	--
31	Lab. Binocular Microscope	01+03	--
32	Lab. Compound Microscope	01+09	--
33	Lab. Simple Microscope	01	--
34	Lab. Stop Watch	01	--
35	Lab. Electronic Mixer	01	--
36	Lab. Burette Stand	04	--
37	Lab. Study Chart	09	--
38	Lab. Light Switch Board	03	--
28	Lab. Hot Air Oven	01	--

□ **DETAILS OF STUDENT ENRICHMENT PROGRAMMES:**

**Moral and ethical value:**

- In the beginning of the academic session one week orientation programme is organized in which lectures are delivered by our faculty members on the moral and ethical values.
- In-class seminars help the weak as well as the advanced learners to improve their performance.
- Students are also encouraged to participate in seminars, conferences and workshops organized by other institutions and universities.
- Weekly Association programmes and association activities organized by all the departments contribute to the overall development of the students.
- We also regularly organize seminars on the birth day of great personalities in which lectures on moral and ethical values are delivered by our faculty members and resource persons.

### **Employable and Life Skills:**

- It is a regular practice of the Department to invite expert resource persons to conduct Guest Lectures/workshops on the development of communication competence among the students.
- The HOD understands that the need of communication skills is vital for the students for better career options. Therefore the Department arranges Verbal and Written Communication Skills competitions.
- Students are also encouraged to organize cultural programmes, quiz competitions, seminars, workshops etc. In this way they improve their team building and organizational skills.
- Group discussions, Essay writing etc. is held at regular intervals both in regional and English language in the Department.

### **Better career options:**

- As majority of our students are from the rural background, special attention is paid in organizing programmes on personality development. Spoken English classes are also organized to make the students able to compete in this new era of globalization.
- A career guidance cell functioning in the college gives orientation on various career options and informs students about the call for opportunities.
- Awareness programmes are conducted by experts to selected group of students and reference materials are made available to them.

### **Community orientation:**

- Students of NSS undergo a minimum of 45 days of compulsory Social Service during the 3 year UG programme as per the university orders.
- The aim is to arouse the social conscience of student community, inculcate service mentality among students and to prepare them to be useful to the society.
- National Service Scheme (NSS) of the institution creates a spirit of service among students to the fellow being and to the society. It also aims at the personality development of student by interaction and participation in various social and cultural activities.
- Some of the activities to be organized like Greening programmes, cleanliness drive, blood donation camps, AIDS awareness programmes, Anti-drug campaigns, and Cancer awareness programmes etc.

### **Publication of College magazines:**

- The College started publication of college magazine in 2011.
- The students of the college very enthusiastically contribute with their articles in the all issue of the magazine.
- The college magazine is printed in the supervision of the college editorial board.

### Extension and outreach programmes:

Department organizes various extension and outreach programmes for overall development of our students. See List of Programmes organized in 2021-22.

<ul style="list-style-type: none"><li>➤ Guest Lectures</li><li>➤ Remedial Coaching</li><li>➤ Field Visits</li><li>➤ Study Tour</li><li>➤ Test-Tutorial</li></ul>	<ul style="list-style-type: none"><li>➤ Project work</li><li>➤ Group Discussion</li><li>➤ Student Seminars</li><li>➤ Poster Presentation</li><li>➤ Corona awareness programme</li></ul>
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#### □ **PARTICIPATION IN INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR) AND EXTENSION ACTIVITIES:**

- Participation in Science Exhibition
- Participation in NSS Camps
- Farmer's guidance and counselling cell
- Participation in Blood Donation Camp
- Participation in Teachers Day
- Participation in Tree Plantation Programme
- Participation in Plantation awareness programme

#### □ **SIGNIFICANT ACHIEVEMENTS:**

- Department has continued online programme of Covid-19 awareness for social awareness from May-2020 to till date.
- Departmental Students and Faculty has actively organized or participated in 12 NSS programmes, 12 Greening programmes, 08 blood donation camps, cleanliness drive, AIDS awareness programmes, Anti-drug campaigns, and Cancer awareness programmes etc.
- Majority of our students are from the rural background, so department of Botany successfully inculcated these students in social life with jobs and particularly related to Agriculture and remaining has working in their ancestral farm setup as High-take farming businessman.
- Departmental Head presented 20 research papers in National/ International Conferences, Published 16 research papers in peer-reviewed reputed National and International research journals and attended 53 Conferences/Seminars/Workshops as well as he recognised as a Research Guide of subject Botany in the Dr. BAMU A'bad at from August 2021.
- Departmental Head has worked as IQAC Co-ordinator in the college as well as near about has working as a chairman on all committees in between these 12 years.
- Departmental Head has working as a Under Study in University Examination of our college, from 2021-22 to till date.
- Department of Botany established rich organic Medicinal plant's Botanical Garden.

□ **LIST OF DISTINGUISHED ALUMNI:**

<b>Sr. No.</b>	<b>Name of Alumni</b>	<b>Educational Qualification</b>	<b>Current Designation</b>
1	Shainkh Sanna Mansur	M.Sc.	Bank officer
2	Bade Parvin Ramnath	M.Sc	Asst. Prof. At Kalikadevi College
3	Bade Lalita	M.Sc	Govt. officer
4	Bade Parshant	B.Sc. B.Ed.	Business
5	Dhakane Sachin	B.Sc. B.Ed.	Teacher
6	Shaikh Tanvir Baba	B.Sc	Medical Representative
7	Shinde Satish Vikram	B.Sc. B.Ed.	Teacher
8	Aghav Swati	B.Sc. B.Ed.	Teacher
9	Shaikh Maheboob	B.Sc.	NYC Secretary
10	Garje Amol Devidas	B.Sc.	Police
11	Ausarmal Sanjay Dayanand	B.Sc. B.Ed.	Teacher
12	Bade Ganesh	B.Sc.	Photographer
13	Gadekar Sagar	B.Sc.	Nagarsevak
14	Lad Raghunath	B.Sc.	Royal Finance Team Leader
15	Shaikh Shakur	B.Sc.	Andromeda Finance
16	Pawar Ishwar Banshi	B.Sc.	Medical Representative
17	Kathkhade Sainath	B.Sc.	Flower Businessman
18	Supekar satish ramnath	B.Sc.	Govt. officer

## □ BEST PRACTICES OF DEPARTMENT:

### GOALS:

- *To motivate the students to undertake research in basic and applied thrust areas of plant sciences.*
- *To inculcate scientific awareness towards protecting diversity and Eco-environmental management of plant resources for sustainable development.*

### CONTEXT:

- *The students will be able to identify relevant work for a particular topic & evaluate the scientific context of these works.*

### PRACTICE:

- 1. Departmental Library available during working hours.
- 2. Remedial Teaching Class.
- 3. Departmental 2 test per year.
- 4. Field Visit.
- 5. Student seminars.
- 6. Poster Presentation.

### EVIDENCE OF SUCCESS:



शिरूर कासार येथील कालिकादेवी महाविद्यालयाच्या रासेयो वतीने क्रांतीज्योती सावित्रीबाई फुले जयंती निमित्त शहरालुन जनजागृजी फेरित सहभागी प्राचार्य डॉ देशमाने व विद्यार्थी दिसत आहेत



















□ **FUTURE PLANS OF DEPARTMENT:**

➤ **FUTUER PLANS ACADEMIC YEAR 2021-22**

SR.NO.	YEAR	PERTICULARS
01	<u>2022-2023</u>	<ul style="list-style-type: none"> <li>To develop Lab with essential chemical &amp; well equipped Laboratory.</li> </ul>
02	<u>2023-2024</u>	<ul style="list-style-type: none"> <li>Sanction Minor Research Project.</li> </ul>
03	<u>2024-2025</u>	<ul style="list-style-type: none"> <li>Survey of Flowering plants of Naigaon Peacock Sanctuary.</li> </ul>
04	<u>2025-2026</u>	<ul style="list-style-type: none"> <li>To develop rich Botanical museum representing rare local Species.</li> </ul>
05	<u>2026-2027</u>	<ul style="list-style-type: none"> <li>Sanction Major Research Project.</li> </ul>

**ANALYSIS OF FUTURE PLANS FROM ACADEMIC YEAR 2013-14**

<b>SR.NO.</b>	<b>YEAR</b>	<b>PERTICULARS</b>	<b>REMARK</b>
01	<u>2014-</u> <u>2015</u>	✓ Development of Botanical Garden.	COMPLETED
02	<u>2015-</u> <u>2016</u>	✓ Farmers Meet. ✓ Submission of Minor research project.	COMPLETED
03	<u>2016-</u> <u>2017</u>	✓ Cultivation of Medicinal plants. ✓ Establish Compost pit in college campus.	COMPLETED
04	<u>2017-</u> <u>2018</u>	✓ Foundation of Farmer Guidance and counseling Cell. ✓ Tree plantation in Collaboration with local N.G.O.	COMPLETED
05	<u>2018-</u> <u>2019</u>	✓ Establish Vermi-Compost pit in college campus.	COMPLETED
06	<u>2019-</u> <u>2020</u>	✓ To develop Lab with essential chemical & well equipped Laboratory.	Partially COMPLETED
07	<u>2020-</u> <u>2021</u>	✓ To achieve Dept. representation in Contribution of Research activity as a University Research Guide in the subject of Botany	COMPLETED
08	<u>2021-</u> <u>2022</u>	✓ To achieve Faculty Currier Progress as an Associate Professor in the University of Dr. B.A.M. University, Aurangabad.	In Process of COMPLETION



□ **SWOC ANALYSIS OF THE DEPARTMENT:**

➤ **Strengths:**

1. Well qualified and experienced Faculty with Research Guide under this university.
2. Recognisable faculty and student Participation in every Departmental program in College.
3. Strong and established Placement record i.e. motivate student to use knowledge in their ancestral agricultural field and make it as high-tech agricultural business.

➤ **Weaknesses:**

1. Lack of 02 fulltime faculty.
2. Insufficient Laboratory material.
3. Moderate level of exposure to real time global aspects of business.

➤ **Opportunities:**

1. Growing student's interest in education value and transparency.
2. Expanding MOU partnerships and engagement opportunities.

➤ **Challenges:**

1. Higher education's current role in society is less valued while expectation is rising.

**PLACE :** Shirur (Ka.)

**DATE :** 16 Sep. 2022.

**Dr. GHOLAP P. N.**  
**Research Guide & Head;**  
**Department of Botany;**  
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**Shirur (Ka.), Dist. BEED – 413 249.**



**Thank - you**