



e-Prospectus

Agricultural Development Trust's

SHARDABAI PAWAR ARTS, COMMERCE & SCIENCE COLLEGE

SHARDANAGAR, BARAMATI

- **Star College Scheme 2021 – DBT**
- **MoFP, GoI's, Incubation Centre**
- **Approval u/s 35 AC 1/(ii) of IT Act**
- **DSIR-SIRO, GoI Recognition**
- **Best College Award - 2006 - SPPU**
- **Best Innovative College Award - 2018 - CEDA**
- **Best College Award District Level - SDB – SPPU**
- **NAAC Re-Accredited 'A' Grade**

Vision–

We, the management, administration, teaching staff solemnly resolve to make our institution a seat of learning. Tread together in pursuit of educational excellence where women shall flourish, become intellectually strong, socially responsible who will contribute in building of advanced, united and strong India.

Mission –

- Transforming women through development of various skills along with curriculum.
- Developing potential in them for further studies, research, employment and entrepreneurship.
- Nurturing them to meet future challenges and contribute to development of nation.
- Making them sensible towards fellow human beings.

Contents

1. Message from Hon. Secretary, ADT
2. From Principal's Desk
3. Highlights
4. Courses Available
5. Admission Process
6. Refund Policy
7. Instructions to Students
8. Instruction to Parents
9. Zero Tolerance (Anti Ragging)
10. Policy against sexual harassment
11. Examination Pattern
12. Scholarships
13. Career Katta
14. NEP-2020
15. Bachelor of Arts
16. Master of Arts (Psychology)
17. Bachelor of Commerce
18. Master of Commerce
19. Bachelor of Science
20. Bachelor of Science – Computer Science
21. Master of Science (Microbiology, Organic Chemistry, Analytical Chemistry, Botany, Physics, Industrial Mathematics and Comp. Appl.)
22. Bachelor of Home Science
23. Bachelor of Business Administration (Computer Application)
24. Community College : Tailoring and Fashion Technology
25. Community College : Travel & Tourism
26. B. Voc. : Quality Control in Industry
27. B. Voc. : Drama & Theatre
28. B. Voc. : Agri Business Management
29. B. Voc. : Dairy Technology
30. B. Voc. : Food Processing
31. B. Voc. : Health Care Management
32. Junior College
33. Why Should You Select SPMC?
34. Curricular & Extra Curricular Activities
35. NCC & NSS

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NAAC Re-Accredited 'A' Grade
Jr. College Code No. J-1102-013
Sr. College ID No. PU/PN/ACS/098/1993
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Pune University Center Code No. 116
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Message from Hon. Secretary

Mrs. Sunanda Pawar

Secretary,
Agricultural Development Trust Baramati.

Our great motivation Hon. Sharad Pawar and his colleagues Ms. Hasel Skuces, Ms. Edna Wazar, Shri. Kamlakant Dhavan-Patil, Shri. Gulabrao Gawade-Patil, Shri. Pushpasen Gore, Shri. Haribhau Waghmode, Shri. Gulabrao Wabale founded the Agricultural Development Trust in the year 1971. The activities of the trust majorly focus on agricultural extension work and education for girls which truly proves to be a living memorial of the mother of our great leader.

Educational campus at Shardanagar has been named after late Smt. Shardabai Pawar, mother of Shri. Sharad Pawar and Dr. Appasaheb Pawar, who encourage women education. Farmers would not send their girls far away for education due to safety and security reasons. As a result of which girls' education was meager in the villages. Dr. Appasaheb thought of a residential educational complex for girls and thus education college for women started in 1989 at Shardanagar.

Today in Shardanagar educational campus around 6,000 girls are seeking education in different disciplines and getting placements in renowned fields. Mr. Rajendra Pawar and Mrs. Sunanda Pawar diversified and flourished the activities of the trust in various fields like environment, education, food processing, new experiments in agriculture, Self Help Groups for women, Srujan : the cultural youth festival, Bhimthadi Jatra : a fair for the sale of articles of Self Help Group and new methods of water conservation. The Agricultural Development Trust has become a unique conglomerate helping people right from agriculture to education and from health to entrepreneurship. The overall development of agrarian and rural community has been the prime concern of Agricultural Development Trust Baramati. It has undertaken several projects for the development of agriculture in Baramati Tehsil such as water conservation, drip irrigation, poultry, dairy etc. Shardabai Pawar educational complex was a dream child of the founder chairman of the Trust Late Dr. Appasaheb Pawar, which is now fully bloomed seat of education for women in rural area. Healthy practices with safe and secure environment for all round development of the girls has been our priority. Efforts to educate people, make them competent, skillful have resulted in exemplary development of Baramati. We aspire to make our pupils to be responsible citizens of the nation, successful entrepreneurs and service providers contributing for the development of their families and society.

The exhibition Krushik is an innovative step towards empowering and awakening the farmers in the state. The programme "Swayamsiddha" has been gaining good response from all corners of the state and it has proved as an excellent platform for inculcating leadership among the girls. Bhimthadi Jatra has inspired many Self-Help groups to utilize their entrepreneurs skills. All the social activities and excellence in academic curriculum has created trust among the students and parents which is incredible. There are yet many promises to keep in this realm of women education and we assure that we would not rest until we achieve our goal of entire women empowerment in a true sense.

From Principal's Desk

Shardabai Pawar College, since its establishment is striving for excellence in academics. Under auspices of Agricultural Development Trust college has maintained excellence in education. Keeping pace with mission and vision, college has created quality benchmarks in education. Recently, as a result of targeted policies of Agricultural Development Trust & targeted efforts of the college staff & students, college has been stamped by NAAC, Bangalore with highest 'A' grade.

The foundation of the institute is agriculture based and has given ample of opportunities to college staff to connect & relate the activities to community services.

We are living in digital era and the educational systems and processes are greatly influenced by the incredibly rapid technological changes. To cope with this the institute has provided all the necessary ICT infrastructure for staff and student development.

The recent focus on the knowledge of the mechanics of effective teaching overlooks the complex and significant human dimension that exists when students & teachers come together. A unique personality of teacher and students make the great difference in the long run depending on how they regard each other.

While selecting a course from prospectus, experienced students know that it will make the difference in the life long run. Also, she knows that giving information about the professors teaching the course is much more useful than reading the course description. All the best possible options in the curricula with committed professors making learning as knowledge constructing experience are in space with quality education. Consistently we are trying to provide learning as the best experience to the students. Classroom learning (c-learning) is totally blended with e-learning (electronic learning), m-learning (mobile learning), u-learning (Ubiquitous learning). Now we are approaching to new dimensions of learning along with newest trends of we-learning. We-learning is collaborative learning approach which will include online learning applications like flash notes, study blue, flipped classrooms, gamifications, mentor-mentee tie up, teacher parent scheme etc.

We have online admission processes to minimize the trouble of parents & students and to make the access easy. Prescribed syllabi of the different courses are supplemented with various co & extra curricular activities with value & skill-based modules. We hope students and parents will welcome this prospectus (Information brochure) to select and design their academic career.

Prof. (Dr.) S. V. Mahamuni
Principal,
Shardabai Pawar College
Shardanagar

Highlights

- ▶ Use of modern technology in teaching
- ▶ Orientation programme
- ▶ Soft skill programme
- ▶ Variety of subjects
- ▶ Spoken English classes
- ▶ Value-added education programme
- ▶ Well furnished building
- ▶ Well equipped laboratories
- ▶ Well enriched library
- ▶ Well equipped gymkhanas and ground
- ▶ Trekking club
- ▶ 400 m track
- ▶ Coaching for sports
- ▶ Well-furnished and well-equipped hostels
- ▶ Campus under CCTV coverage
- ▶ Healthy practices
- ▶ Ideal student programme
- ▶ Annual gathering and variety of cultural activities
- ▶ NSS and NCC units for girls
- ▶ Placement Cell
- ▶ Competitive Examinations Forum
- ▶ Safe and secure atmosphere for girls

College Timings

Department	Faculty	Time
Junior College	Arts and Commerce	8.00 to 1.30
Junior College	Science	10.30 to 5.30
Junior College	Horticulture	7.50 to 1.30
Senior College	Arts & Commerce (UG)	8.00 to 12.25
Senior College	Science (UG) B.Voc. & Community College	9.40 to 5.50
Senior College	Commerce/Arts (PG)(Psychology)	11.00 to 5.30
Senior College	Home Science, BBA(CA), BCS, M.Sc. (Microbiology, Organic Chemistry, Analytical Chemistry, Botany, Physics, Industrial Maths)	9.00 to 5.00
Office	All Faculty	10.30 to 1.00, 1.30 to 5.30

Courses offered

Junior College

11th & 12th

Arts, Commerce, Science and Horticulture
(Vocational)

Senior College B.A.

F.Y., S. Y. (Hindi, English, Marathi, History, Political Science, Geography, Psychology, Sociology, Economics, Education)

T. Y. (Hindi, English, Marathi, History, Political Science, Geography, Psychology)

B.Com.

First, Second & Third Year

B.Sc.

F.Y. - (Environmental Science, Botany, Chemistry, Microbiology, Physics, Mathematics, Zoology, Statistics)

S.Y. - (Botany, Chemistry, Physics, Mathematics, Microbiology) any three from above

T. Y. - (Botany, Chemistry, Microbiology, Mathematics, Physics)

B.Sc. (Home Sci.)

(Nutrition & Textile)

B.B.A. (Computer Applications)

B. Sc. (Computer Science)

Community College

Travel and Tourism

Tailoring and fashion technology

B. Voc.

Quality Control in Industry

Drama and theatre

Agri Business Management

Dairy Technology

Food Processing

Health Care Management

M. Com. (Banking & Finance)

M.Sc. (Microbiology)

M.Sc. (Organic Chemistry)

M.Sc. (Analytical Chemistry)

M.Sc. (Botany)

M.Sc. (Physics)

M.Sc. (Mathematics)

M.A. (Psychology)

Ph. D (Microbiology, Botany, Psychology, Commerce)

Medium of Teaching

Marathi Medium	11 th , 12 th Arts & Commerce, B.A., B.Com., B.H.Sc. (Home Science)
English Medium	11 th , 12 th Science, B.Sc., BCA., BCS, B.Com., M.Com., M.Sc. (Microbiology, Organic Chemistry, Analytical Chemistry, Botany, Physics, Industrial Mathematics and Comp. Appl.) B. Voc. & Community College

Admission Process (General Instructions)

- I) Admission to the courses offered are given according to the guidelines and rules of Savitribai Phule Pune University, Pune and State Government of Maharashtra on the basis of marks of previous qualifying examination.
- II) For courses B.A., B.Com., B. Voc., B.B.A.(CA), B. Sc. (Comp. Sci.) and B. H. Sc. the students who have qualified XIIth examination will get direct admission. No merit or entrance test.
- III) For B.Sc. and M.Sc. courses admission will be based on merit list.
- IV) For M.A and M.Com. direct admissions will be given.

Refund Policy

(Savitribai Phule Pune University Circular Ref. No. PGs/542 dated 17.02.2011)

- 1) For the courses which do not come under the jurisdiction of DTE e. g. B.A., B.Sc., B. Com, M.A., M. Com, M.Sc. etc. cancellation of admission is permitted before the commencement of courses for the relevant academic year as per the notification issued by UGC, New Delhi dated 23rd April 2007.
- 2) For the candidates who cancel their admission before the commencement of the course for the relevant academic year, the entire fee after deduction of processing fee of not more than Rs. 1000/- shall be refunded to the student.
- 3) If the students cancel their admission after the course has started, following scheme will be adopted for the refund of total fees.

Sr. No.	Time of Cancellation	Amount be deducted
1	1 st day to 10 th day (First day is inclusive) from the date of commencement of the course. :	20% of the total fees
2	11 th day to 30 th day of commencement of the course (First day is inclusive)	40% of the total fees
3	After 30 days (First day is inclusive)	100% of the total fees

Instructions to Students:

- A student seeking admission to the college in the first year of undergraduate course and Post Graduate course will have to apply to the college in the prescribed form immediately after the declaration of HSC/SSC examination results/final year degree examination results.
- Application received after the prescribed date for admission will not be considered.
- Student coming from any college affiliated to the University of Savitribai Phule Pune and applying for Second year of B.A/B.Com/B.Sc. can be directly admitted to this college provided the seats are available and if they have good academic record. The student has to apply to the previous college for Transfer Certificate after joining the college.
- Admission will be provisional till the student gets final eligibility certificate from the University.
- Students should be regular and punctual in attending classes, tutorials and submissions of the term work in various subjects. Terms shall not be granted and student shall not be allowed to appear for examination if the academic record and attendance are not satisfactory.
- Any changes in the address of the student must be intimated by them in writing to the college office immediately.
- Students will not be allowed entry in the college premises without valid I-card. College uniform is compulsory.
- A student is expected to read the notices put up on the notice board as well on college website regularly. The college is not responsible for loss of any advantage facility by student due to their failure to read the notices in time.
- In case a student requires to remain absent for some reason, they have to take prior permission of the Principal.
- Any damage to the college property, apparatus, furniture, equipment, library books, building etc. must be paid by the students.
- Students must attend social and national events organized by the college such as 26th January, 15th August and all other event declared national celebrations.
- Students must note all notices displayed on college notice boards.

Instructions to Parents:

- Before admitting your ward in the college, please read the prospectus carefully and fulfill the requirements accordingly.
- While admitting your ward in the college, please read the instructions in the application form and accordingly choose the activities in which you want your ward to participate in.
- As far as possible the parents/guardians should keep in touch with the institute so as to keep abreast of the performance of their children in academics and other activities.
- They must attend Parent-Teachers meetings.
- They are required to co-operate with the institution in matters regarding discipline, uniform, attendance, punctuality and general behaviour of their children /wards.
- They should ensure that their children /wards fully abide by the college rules and regulations.
- They should keep a check on the performance of their children in all the tests and examinations.
- They should not visit classrooms directly and academic blocks during the college hours.
- They should read and sign any notice, rules and regulations and written warnings sent or intimated to them by the institution regarding fee dues, progress card, attendance record etc.

Zero Tolerance (Anti-Ragging Policy)

Ragging is strictly prohibited and guilty students will face strict action including expulsion as per the direction of the Honorable Supreme Court in SLP No. 24295 of 2006 dated 16th May 2007 and in Civil Appeal No. 887 of 2009, dated 8th May 2009 and Govt. of Maharashtra Ordinance dated 15th May 1999.

Anti Ragging Help line number – 1800-180-5522

Name	Designation	Contact Number
Hon. Sau. Sunanda Rajendra Pawar, Trustee/ Secretary Agricultural Development Trust, Baramati	Member	02111-254256
Prof. (Dr.) Shrikumar Vijaykumar Mahamuni, Principal	Committee Chief	9423579235
Hon. Mr. Dnyaneshwar Shrirang Rayate, Media Representative	Member	9881736122
Hon. Police Sub Inspector, Malegaon Police Station, Malegaon Tal- Baramati.	Member	02112-254318
Hon. Adv.Sau. Sneha Vijay Bhapkar, Baramati	Member	9552911986
Hon. Mr. Ravindra Shankarrao Kale, Parents Representative	Member	9011000056
Prof. Rohidas Sadashiv Lohakare, Student Welfare officer	Member	9822730564
Mrs. Vanita Ramchandra Bodare, Junior Clerk	Member	9850773497
Dr. Babita Marutirao Sakdeo, Associate Professor	Secretary	86004734389

Policy of the College against Sexual Harassment

Shardabai Pawar College has been established for and dedicated to women empowerment. College has strict policy against sexual harassment and a committee has been established which looks into the matter. This policy states that -

- Instances of sexual harassment will be taken seriously and dealt with promptly.
- Disciplinary action will be taken according to the nature and gravity of the behaviour reported.
- The college will respect the confidentiality and privacy of individuals reporting and the accused of sexual harassment to the extent possible.
- Care will be taken to see those complaints; witness and the harasser does not face victimization and discrimination during the process of enquiry.
- Intentionally providing false information is ground for disciplinary action.
- In case of false complaint, a penalty will be levied on the complainant.

Examination Pattern

Junior College: As per the pattern of Maharashtra State Secondary Board, Pune

Senior College: As per the pattern of Savitribai Phule Pune University, Pune

Course	University exam /External marks	College exam/ Internal marks	Remark
F.Y.B.Sc./ S.Y.B.Sc /F.Y.B.A./ S.Y.B.A./ F.Y.B.Com/ S.Y.B.Com/ F.Y.B.H.Sc./S.Y.B.H.Sc./F.Y.B.B.A/ S.Y.B.B.A./F.Y./ F.Y.B.C.S /S.Y.B.C.S.	35	15	NEP-2020
T.Y.B.Sc	35	15	Semester pattern/ Credit
T.Y.B.A	70	30	Semester pattern/ Credit
T.Y.B.Com	70	30	Semester pattern/Credit
T.Y.BH.Sc.	40	10	Semester pattern
M.Sc./M.Com./M.A.	70	30	NEP-2020
T.Y.B.B.A. (Computer Application)	70	30	Semester pattern/Credit
TY.B.Sc (Computer Science)	35	15	Semester pattern/Credit
B.Voc. /Community College	50	50	NEP-2020

GRANT OF TERMS

The terms of students for all the classes will be granted on satisfactory attendance at lectures & completion of practical work. If they fail to satisfy rules & regulations laid down by the Pune University from time to time, terms may not be granted. Overall attendance of student must be at least 75% in all subjects and no exemption shall be granted on any ground.

Scholarship

Sr. No.	Name of Scholarship
1.	GoI Post Matric Scholarship-Junior & Senior College Students
2.	GoI Post Matric Freeship-Junior & Senior College Students
3.	Rajashri Chhatrapati Shahu Maharaj Merit Scholarship –Junior College Student
4.	Physical Handicapped Scholarship –Junior & Senior College Students
5.	Minority Scholarship- Junior & Senior College Students
6.	Central Sector of Scholarship-Senior College Students
7.	State Government Open Scholarship-Senior College Students
8.	Krantiyoti Savitribai Phule Arthasahayya Yojana-Senior College Students
9.	Economically Backward Class- Senior College Student
10.	Rajashri Shahu Maharaj Scholarship-Senior College Students
11.	Savitribai Phule Pune Vidyapeeth Gunvant Vidyarthi Shishyavrutti Yojana– Senior College Students
12.	Lila Poonawala Foundation, Pune-Senior College Students



- उद्योजकीय व्यक्तिमत्व विकास
- व्यवस्थापकीय कौशल्य व प्रत्यक्ष उद्योजकांचे मार्गदर्शन
- वित्त व्यवस्थापन
- निर्णय क्षमता
- जोखीम व्यवस्थापन (Risk Management)
- मनुष्यबळ व साधनसामुग्री व्यवस्थापन
- आधुनिक तंत्रज्ञान

आयएस आपल्या भेटीला

- राज्यपातळीवरील स्पर्धा परीक्षा
- महाराष्ट्र लोकसेवा आयोग
- पोलीस भरती
- बँकिंग सेवा
- स्टाफ सिलेक्शन कमिशन
- केंद्रीय पातळीवरील स्पर्धा परीक्षा (यु.पी.एस.सी.)



**युवकांच्या
सर्वांगीण विकासासाठी**



गर्जे मराठी ग्लोबल यांच्या सहयोगाने
भारताबाहेरील १०० देशातील
यशस्वी उद्योजक महाराष्ट्रातील युवकांना
उद्योजकीय प्रशिक्षण देतात

ध्येयाच्या वाटेवर
सातत्याने ३६५ दिवस



नाव नोंदणी व अधिक माहितीसाठी

७५०७६५२५५५ या नंबरवर आपले नाव  करा

Web. : www.mitsc.co.in

Draft to include in Prospectus

Career Katta

(Career and Entrepreneurship Counseling, Skill Development, Internships, Placement, etc.)

Career Katta is an initiative of Department of Higher and Technical Education, Govt of Maharashtra and in coordination with Maharashtra Information Technology Support Centre. The college conducts various activities to guide students about Career, Competitive Examinations (UPSC, MPSC, Banking, SSB, SSC, Police, LIC, etc.), Entrepreneurship, Skill Development; Credit Earnings under new CBCS and NEP Curriculum Framework, Internship and Placement Opportunities, etc.

Eligibility to Join:

Any student admitted for any regular course in the college or college alumni referred by College Coordinator.

Registration Fees:

One Time Rs. 365 for 1000 days (Rs. 0.36 per day), which will be reimbursed in the form of subsidy on examination charges of CBCS. It including free access to all the activities, courses, State Level Competitive Exams, etc.

College Code:(Please include the AISHE code of the College)

Contact: For more details visit college webpage or contact Coordinator

..... or Career Katta Helpline 75076 52555

करिअर कट्टा अंतर्गत

राष्ट्रीय शैक्षणिक धोरणामध्ये अपेक्षित असणारे पदवीच्या प्रथम वर्षासाठी
सर्व विद्यार्थ्यांसाठी आवश्यक असणारे कोर्सेस

1	VEC	Indian constitution	2 Credits	4	IKS	Generic Indian knowledge system	2 Credits
		Environmental studies		5	CC	NSS	2 Credits
2	AEC	German Language	2 Credits			Cultural	
		Russian Language				Sports	
		Arabic Language				NCC	
		Spanish Language		6	GE/OE	Digital marketing	2 Credits
		French Language		7	GE/OE	Event management	2 Credits
		Japanese Language		8	GE/OE	Basic concepts of accounting	2 Credits
3	VSC	Communication skill development	2 Credits	9	GE/OE	Emotional intelligence	2 Credits
		Writing skill in English		10	GE/OE	Time and stress management	2 Credits
		Business communication		11	GE/OE	Financial literacy	2 Credits
		Personality development		12	GE/OE	Personality development for overseas placement	2 Credits
		Writing skill in Marathi					

Savitribai Phule Pune University, Pune

Credit Framework for Under Graduate (UG) (2024-25) (3 Subject) for Faculty of Humanities

Level/ Difficulty	Sem	Subject DSC -1 (Group A – Languages)				Subject DEC- 2 Group B: Social Sciences I	Subject DSC-3 Group C: Social Sciences II	GE/OE	SEC	IKS	AEC	VEC	CC	Tot al
4.5/100	I	2 (T) + 2 (P)				2 (T) + 2 (P)	2 (T) + 2 (P)	2 (T)	2 (T/P) English	2 (T) Generi c	2 (T) Indian Constituti on/EVS	2	--	22
	II	2 (T) + 2 (P)				2 (T) + 2 (P)	2 (T) + 2 (P)	2 (P)	2 (T/P) English	--	2 (T) Indian Constituti on/EVS	2	2 NSS/N CC/Ot hers	22
Exit option: Award of UG certificate in Major with 44 credits and an additional 4 credits core NSQF course / Internship OR Continue with Major and Minor Continue option: Student will select one subject among the (subject 1, subject 2 and subject 3) as major and another as minor and third subject will be dropped.														
Level/ Difficulty	Sem	Credits Related to Major				Minor		GE/OE	SEC	IKS	AEC	VEC	CC	Tot al
		Major Core	Major Elective	VSC	FP/OJT/ CEP									
5.0/200	III	4 (T) + 2 (P)	--	2 (T/P)	2 (FP)	2 (T) + 2 (P)	--	2 (T)	--	2 (T) (Major Subjec t Specifi c)	2 (T)	--	2 Englis h	22
	IV	4 (T) + 2 (P)	--	2 (T/P)	2 (CEP)	2 (T) + 2 (T/P)	--	2 (T/P)	2 (T/P) English	--	2 (T)	--	2 NSS/ NCC/ Physic al Educat ion/Ot hers	22
Exit option: Award of UG Diploma in Major and Minor with 88 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major and Minor														
5.5/300	V	8 (T) + 4 (P)	2 (T) + 2 (P)	2 (T/P)	2 (FP/CEP)	2 (T)	--	--	--	--	--	--	--	22
	VI	8 (T) + 4 (P)	2 (T) + 2 (P)	2 (T/P)	4 (OJT)	--	--	--	--	--	--	--	--	22
Total 3 Years		44	8	8	10	18	8	8	6	4	8	4	6	132
Exit option: Award of UG Degree in Major with 132 credits OR continue with Major and Minor														

6.0/400	VII	6 (T) + 4 (P)	2 (T) + 2 (T/P)	--	4 (RP)	4 (RM) (T)	--	--	--	--	--	--	--	22
	VIII	6 (T) + 4 (P)	2 (T) + 2 (T/P)	--	8 (RP)	--	--	--	--	--	--	--	--	22
Total 4 Years		64	16	8	22	22	8	8	6	4	8	4	6	176
Four Year UG Honours with Research Degree in Major and Minor with 176 credits OR														
6.0/400	VII	10 (T) + 4 (P)	2 (T) + 2 (T/P)	--	--	4 (RM) (T)	--	--	--	--	--	--	--	22
	VIII	10 (T) + 4 (P)	2 (T) + 2 (T/P)	--	4 (OJT)	--	--	--	--	--	--	--	--	22
Total 4 Years		72	16	8	14	22	8	8	6	4	8	4	6	176
Four Year UG Honours Degree in Major and Minor with 176 credits														

Notes: Abbreviation: DSC: Discipline Specific Course, VSC: Vocational Skill Course, IKS: Indian Knowledge System, FP: Field Project, OJT: On Job Training, CEP: Community Engagement and Service, GE/OE: Generic Elective / Open Elective, SEC: Skill Enhancement Course, AEC: Ability Enhancement Course, VEC: Value Education Course, CC: Cocurricular Courses, T-Theory, P-Practical 1. VSC, FP/OJT/CEP should be related to the Major subject 2. OE is to be chosen compulsorily from faculty other than that of the Major. 3. SEC to be selected from the basket of Skill Courses approved by college.							4. Student has to choose three subjects from the same faculty in First Year and at the start of Second year he has to opt one subject as Major subject and one another subject as Minor subject and the last one subject will be dropped by the student. Therefore, the student after completion of three year will be awarded degree in Major and Minor subject. 5. Student cannot select a subject as major or minor other than the subject taken in first year 6. Frame each course having even number of credits such as 2 or 4 credit. 7. This UG credit structure is applicable for all the programme across all faculties, except the programmes required approval from apex bodies like AICTE, PCI, BCI, COA, NCTE, etc							
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Savitribai Phule Pune University, Pune

Credit Framework for Under Graduate (UG) (2024-25) (3 Subject) for Faculty of Science and Technology

Level/ Difficulty	Sem	Subject-1				Subject-2	Subject-3	GE/OE	SEC	IKS	AEC	VEC	CC	Total
4.5/100	I	2 (T) + 2 (P)				2 (T) + 2 (P)	2 (T) + 2 (P)	2 (T)	2 (T/P)	2 (T) Generic	2 (T)	2	--	22
	II	2 (T) + 2 (P)				2 (T) + 2 (P)	2 (T) + 2 (P)	2 (P)	2 (T/P)	--	2 (T)	2	2	22
Exit option: Award of UG certificate in Major with 44 credits and an additional 4 credits core NSQF course / Internship OR Continue with Major and Minor														
Continue option: Student will select one subject among the (subject 1, subject 2 and subject 3) as major and another as minor and third subject will be dropped.														
Level/ Difficulty	Sem	Credits Related to Major				Minor		GE/OE	SEC	IKS	AEC	VEC	CC	Total
		Major Core	Major Elective	VSC	FP/OJT/ CEP									
5.0/200	III	4 (T) + 2 (P)	--	2 (T/P)	2 (FP)	2 (T) + 2 (P)	--	2 (T)	--	2 (T) (Major Subject Specific)	2 (T)	--	2	22
	IV	4 (T) + 2 (P)	--	2 (T/P)	2 (CEP)	2 (T) + 2 (P)	--	2 (P)	2 (T/P)	--	2 (T)	--	2	22
Exit option: Award of UG Diploma in Major and Minor with 88 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major and Minor														
5.5/300	V	8 (T) + 4 (P)	2 (T) + 2 (P)	2 (T/P)	2 (FP/CEP)	2 (T)	--	--	--	--	--	--	--	22
	VI	8 (T) + 4 (P)	2 (T) + 2 (P)	2 (T/P)	4 (OJT)	--	--	--	--	--	--	--	--	22
Total 3 Years		44	8	8	10	18	8	8	6	4	8	4	6	132
Exit option: Award of UG Degree in Major with 132 credits OR continue with Major and Minor														
6.0/400	VII	6 (T) + 4 (P)	2 (T) + 2 (T/P)	--	4 (RP)	4 (RM) (T)	--	--	--	--	--	--	--	22
	VIII	6 (T) + 4 (P)	2 (T) + 2 (T/P)	--	8 (RP)	--	--	--	--	--	--	--	--	22
Total 4 Years		64	16	8	22	22	8	8	6	4	8	4	6	176
Four Year UG Honours with Research Degree in Major and Minor with 176 credits OR														
6.0/400	VII	10 (T) + 4 (P)	2 (T) + 2 (T/P)	--	--	4 (RM) (T)	--	--	--	--	--	--	--	22
	VIII	10 (T) + 4 (P)	2 (T) + 2 (T/P)	--	4 (OJT)	--	--	--	--	--	--	--	--	22
Total 4 Years		72	16	8	14	22	8	8	6	4	8	4	6	176
Four Year UG Honours Degree in Major and Minor with 176 credits														

Notes: Abbreviation: VSC: Vocational Skill Course, IKS: Indian Knowledge System, FP: Field Project, OJT: On Job Training, CEP: Community Engagement and Service, GE/OE: Generic Elective / Open Elective, SEC: Skill Enhancement Course, AEC: Ability Enhancement Course, VEC: Value Education Course, CC: Cocurricular Courses, T-Theory, P-Practical 1. VSC, FP/OJT/CEP should be related to the Major subject 2. OE is to be chosen compulsorily from faculty other than that of the Major. 3. SEC to be selected from the basket of Skill Courses approved by college.	4. Student has to choose three subjects from the same faculty in First Year and at the start of Second year he has to opt one subject as Major subject and one another subject as Minor subject and the last one subject will be dropped by the student. Therefore, the student after completion of three year will be awarded degree in Major and Minor subject. 5. Student cannot select a subject as major or minor other than the subjects taken in first year 6. Frame each course having even number of credits such as 2 or 4 credit. 7. This UG credit structure is applicable for all the programme across all faculties, except the programmes required approval from apex bodies like AICTE, PCI, BCI, COA, NCTE, etc
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Senior College Bachelor of Art (B.A.) Choice Based Credit System (CBCS)

F.Y.B.A.

Eligibility : XIIth or any equivalent examination passed

Intake capacity : 240

Subjects : 1. Can choose one group of their choice from the list mentioned.

The number of students for each group is limited.

2. GE/OE: Generic Elective / Open Elective, OE is to be chosen compulsorily from faculty other than that of the Major.
3. SEC: Skill Enhancement

Course,

4. IKS: Indian Knowledge System,
5. AEC: Ability Enhancement Course,
6. VEC: Value Education Course,
7. CC: Cocurricular Courses (Sem II)

S.Y.B.A.

Eligibility : F.Y.B.A. passed or with A.T.K.T.

Subject : Can choose one special subject from the list

ATKT : As per rules of SPPU, Pune

The students can select only those subjects that they have studied in the F.Y.B.A. class.

The number of students for each subject is limited.

The students have to select two general subjects from each group mentioned. The general subject must be chosen from the groups other than their special subject.

T.Y.B.A.

Eligibility : F.Y.B.A. pass + S.Y.B.A. passed or with A.T.K.T

Subjects : Subjects chosen for the S.Y.B.A. class will be common for the T.Y.B.A. class.

The students will have seven subjects for their examination.

Subject : (Major Core)

- **Group I-** English, Psychology, Sociology
- **Group II-** English, Psychology, Geography
- **Group III-** English, History, Sociology
- **Group IV-** Hindi, Political Science, Geography
- **Group V-** Marathi, Political Science, Sociology
- **Group VI-** Marathi, Economics, Geography
- **Group VII-** Marathi, History, Geography
- **Group VIII-** Hindi, Psychology, Sociology
- **Group IX-** Marathi, Psychology, Sociology
- **Group X-** English, Political Science, Geography
- **Group XI-** English, Economics, Geography
- **Group XII-** Marathi, Psychology, Geography

- Group A - Marathi, Hindi, English and Education
- Group B - Political Science, History and Economics
- Group C- Geography, Psychology and Sociology
- Environmental Science Awareness (Compulsory for all students)

- Compulsory English
- General paper of Special subject
- Special subject I
- General subject I
- Special subject II
- General subject II

Please Note:

- 1) The student intake for each class is 240. The first 120 students will be admitted in the grantable division and after that the students will be admitted in the non-grant division.
- 2) FY, SY & TY students can choose one certificate or Diploma course from the list available.

Master of Arts (M.A.) (Psychology)

M.A. –I (Psychology)

Eligibility : Graduation in any field as per SPPU rules

Intake capacity : 24

Semester Credit-Point System

Semester I	Semester II
12601 Cognitive Psychology: Understanding 12602 Psychometrics: The Science of Psychological Assessment 12603 Research Methodology-I Issues and Essential Techniques in Statistics and Experimental Design) 12604 Practical - Testing 10091 Human Rights – I 10092 Introduction to Cyber Security – I	22601 Cognitive Psychology: Advances and Application 22602 Psychometrics: Applications 22603 Research Methodology-II (Qualitative methods and contemplative practices) 22604 Psychology Practical – Experiments 20091 Human Rights – II 20092 Introduction to Cyber Security – II

M.A. -II (Counseling Psychology)

Eligibility - M.A. I Psychology Passed or with A.T.K.T.

Semester I	Semester II
32601 Counselling process and skills 32602 Psychopathology-1 / Personnel Personal Psychology 32603 Psycho-diagnostics / OB Organizational Behaviour 32604 Project- Clinical or Industrial 30092 Introduction to Cyber Security – III 30094 Skill Development – I 30095 Indian Constitution – I	42601 Areas of Counselling 42602 Psychopathology-2 / HRM Human Resources Management 42603 Psychotherapies / OD Organizational Development 42604 Practicum- Clinical / Industrial 40092 Introduction to Cyber Security – IV 40094 Skill Development – II 40095 Indian Constitution – II

Bachelor of Commerce (B. Com.) (Marathi Medium)

F.Y.B.Com. - (Marathi Medium)

Eligibility : XIIth commerce exam passed

Intake capacity : 120

The seven subjects mentioned below are compulsory for all the students.

Semester I

Type of Course	Subject
Subject – I	(Any 1) (Paper – I) Accountancy / Costing / Business Administration / Marketing / Business Laws / Business Practices & Co – Operation / Banking, Finance & Insurance / Business Mathematics, Statistics & Analytics
Subject – II	(Any 1) (Except the above) (Paper – I) Accountancy / Costing / Business Administration / Marketing / Business Laws / Business Practices & Co – Operation / Banking, Finance & Insurance / Business Mathematics, Statistics & Analytics
Subject – III	Business Economics – I
Open Elective	Business Mathematics / Computer Application / Commercial Geography (Paper – I)
S.E.C.	Business Accounting / Management for Business
A.E.C.	Business English (compulsory to all)
IKS Generic	@ University
VEC	Environmental Science

S.Y.B.Com. - (Marathi Medium)

Eligibility: F.Y.B.Com exam passed or with A.T.K.T.

The subjects mentioned below are compulsory for all the students.

Semester I	Semester II
231 Business Communication -I 232 Corporate Accounting -I 233 Business Economics (Macro)-I 234 Business Management-I 235 Elements of Company Law-I 236B Banking and Finance-I	241 Business Communication -II 242 Corporate Accounting -II 243 Business Economics (Macro) -II 244 Business Management-II 245 Elements of Company Law-II 246B Banking and Finance-II

T.Y.B.Com. - (Marathi Medium)

Eligibility: F.Y.B. Com exam passed and S.Y.B.Com. passed or with A.T.K.T.

The subjects mentioned below are compulsory for all the students.

Semester I	Semester II
351 Business Regulatory Framework -I 352 Advanced Accounting -I 353A Indian & Global Economic Development -I 354 Audit and Taxation -I 355B Banking and Finance- II 356B Banking and Finance- III	361 Business Regulatory Framework -II 362 Advanced Accounting -II 363 Indian & Global Economic Development -II 364 Audit and Taxation -II 365 Banking and Finance- II 366 Banking and Finance- III

Bachelor of Commerce (B. Com.) (English Medium)

F.Y.B.Com. - (English Medium)

Eligibility: XIIth Commerce pass

Intake capacity: 120

The subjects mentioned below are compulsory for all the students.

Semester I

Type of Course	Subject
Subject - I	(Any 1) (Paper – I) Accountancy / Costing / Business Administration / Marketing / Business Laws / Business Practices & Co – Operation / Banking, Finance & Insurance / Business Mathematics, Statistics & Analytics
Subject - II	(Any 1) (Except the above) (Paper – I) Accountancy / Costing / Business Administration / Marketing / Business Laws / Business Practices & Co – Operation / Banking, Finance & Insurance / Business Mathematics, Statistics & Analytics
Subject - III	Business Economics – I
Open Elective	Business Mathematics / Computer Application / Commercial Geography (Paper – I)
S.E.C.	Business Accounting / Management for Business
A.E.C.	Business English (compulsory to all)
IKS Generic	@ University
VEC	Environmental Science

S.Y.B.Com. - (English Medium)

Eligibility: F.Y.B. Com exam passed or with A.T.K.T.

The subjects mentioned below are compulsory for all the students.

Semester I	Semester II
231 Business Communication -I 232 Corporate Accounting -I 233 Business Economics (Macro)-I 234 Business Management-I 235 Elements of Company Law-I 236B Banking and Finance-I	241 Business Communication -II 242 Corporate Accounting -II 243 Business Economics (Macro) -II 244 Business Management-II 245 Elements of Company Law-II 246B Banking and Finance-II

T.Y.B.Com. - (English Medium)

Eligibility: F.Y.B. Com exam passed and S.Y.B.Com. passed or with A.T.K.T.

The subjects mentioned below are compulsory for all the students.

Semester I	Semester II
351 Business Regulatory Framework -I 352 Advanced Accounting -I 353A Indian & Global Economic Development -I 354 Audit and Taxation -I 355B Banking and Finance- II 356B Banking and Finance- III	361 Business Regulatory Framework -II 362 Advanced Accounting -II 363 Indian & Global Economic Development -II 364 Audit and Taxation -II 365 Banking and Finance- II 366 Banking and Finance- III

Master of Commerce (M. Com.) – Banking and Finance

M. Com I

Eligibility : T.Y.B.Com Passed

Intake capacity : 60.

Along with the compulsory subjects students have to select special subject from the mentioned.

Semester I	Semester II
121 Management Accounting	221 Financial Analysis and Control
122 Strategic Management	222A Industrial economics
135 Legal Framework of Banking	235 Banking Law and Practices
136 Central Banking	236 Monetary Policy
191 Human Rights -I	291 Human Rights- II
192 Introduction to Cyber Security-I	292 Introduction to Cyber Security-II

M.Com. II

Eligibility - M. Com I Passed or with A.T.K.T.

Semester III	Semester IV
321 Business Finance	421 Capital Market and Financial Services
322 Research Methodology for Business	422A Industrial Economic Environment
335 Foreign Exchange	435 Recent Advances in Banking and Finance
336 International Finance	436 Project Work / Case studies
392 Introduction to Cyber Security-III	492 Introduction to Cyber Security-IV
394 Skill Development -I	494 Skill Development- II
395 Introduction to Constitution	

Bachelor of Science (B.Sc.)

F.Y.B.Sc.

Eligibility - XIIth Science or an equivalent examination Passed

Intake capacity - 240 students

1. Choose any one of the group of subjects shown in the side column.
2. GE/OE: Generic Elective / Open Elective, OE is to be chosen compulsorily from faculty other than that of the Major.
3. SEC: Skill Enhancement Course,
4. IKS: Indian Knowledge System (General),
5. AEC: Ability Enhancement Course,
6. VEC: Value Education Course,
7. CC: Cocurricular Courses (Sem II)

Group I- Physics, Chemistry Mathematics, (PCM)
Group II- Chemistry Mathematics, Statistics (CMS)
Group III - Physics, Mathematics, Statistics (PMS)
Group IV - Physics, Chemistry, Environmental Science (PCE)
Group V - Physics, Chemistry, Botany (PCB)
Group VI - Botany, Microbiology, Statistics (BMiS)
Group VII - Chemistry, Botany, Zoology (CBZ)
Group VIII - Chemistry, Botany, Microbiology, (CBMi)
Group IX - Botany, Microbiology, Environmental Science (BMiE)
Group X - Botany, Statistics, Environmental Science (BSE)
Group XI - Microbiology, Statistics, Environmental Science (MiSE)
Group XII - Physics, Chemistry, Microbiology, (PCMi)

S.Y.B.Sc.

Eligibility - F.Y.B.Sc. exam passed or with A.T.K.T.

Intake capacity - 240 students

1. Choose any one Major and one minor subject from FYBSc, shown in the side column.
2. GE/OE: Generic Elective / Open Elective, OE is to be chosen compulsorily from faculty other than that of the Major.
3. SEC: Skill Enhancement Course,
4. IKS: Indian Knowledge System (Subject specific),
5. AEC: Ability Enhancement Course,
6. FP: Field Project,
7. CC: Cocurricular Courses

Major Subjects	Minor Subjects (Other than Major Subject)
Botany	Botany, Chemistry, Mathematics, Microbiology, Physics, Statistics, Zoology
Chemistry	
Mathematics	
Microbiology	
Physics	
Statistics	
Zoology	

T.Y.B.Sc.

Eligibility - F.Y.B.Sc. Passed, S.Y.B.Sc. passed or with A.T.K.T.

Intake capacity - 240 students

Principal subjects - Student can select any one of special subjects from the following subjects out of those selected at S.Y.B.Sc.

- Chemistry
- Microbiology
- Botany
- Physics
- Mathematics
- Statistics

In addition, college offers various certificate, diploma, advanced and degree courses under B. Voc. and Community College.

Master of Science (M.Sc.) Microbiology

Credit System (Semester Pattern)

Eligibility – B. Sc. Microbiology or Biotechnology or equivalent from a recognized institute

Intake capacity – 48 students

Admissions will be given as per the rules and regulations of SPPU, Pune.

M.Sc. Microbiology - I

Semester I	Semester II
MB501 : Microbial Systematics MB502 : Quantitative Biology MB503 : Biochemistry and Metabolism MBTE13: Microbial communication, Membrane transport and signal transduction MBPE13: Practicals Based on Microbial communication, Membrane transport and signal transduction MBCP1: Biochemical Techniques (Practical based on compulsory theory credits)	MB601: Instrumentation and Molecular Biophysics MB602 : Molecular Biology MB603 : Enzymology, Bioenergetics and Metabolism MBTE23: Nitrogen Metabolism, respiration and Photosynthesis MBPE23: Practicals based on Nitrogen Metabolism, respiration and Photosynthesis MBCP2 : Molecular biology, enzymology and instrumentation Techniques (Practical based on compulsory theory credits)

M.Sc. Microbiology - II

Semester III	Semester IV
MB 701: Immunology MB 702: Molecular Biology - I MB 703: Industrial Waste Water Treatment MB 711: Practical Course based on Immunology Pharmaceutical Microbiology & Environment Microbiology MB 712: Practical Course based on Molecular Biology (I & II) and Microbial Technology	MB 801: Pharmaceutical & Medical Microbiology MB 802: Molecular Biology - II MB 803: Microbial Technology Semester IV MB 811: Dissertation - I MB 812 : Dissertation - II

M.Sc. Organic Chemistry

Credit & Semester pattern

Eligibility – B. Sc. Chemistry or equivalent from a recognized institute

Intake capacity – 48 students

Admissions will be given as per the rules and regulations of SPPU, Pune.

M.Sc. Organic Chemistry - I

Semester I	Semester II
CHP-110: Physical Chemistry-I (Fundamentals of Physical Chemistry) CHI-130: Inorganic Chemistry-I (Molecular Symmetry and Chemistry of Main Group Elements) CHO-150: Organic Chemistry-I (Basic Organic Chemistry) CHG-190: Section-I: Option-C: Introduction to Chemical Biology - I CHG-190: Section-II: Option-A: Inorganic Chemistry-Material Analysis, Synthesis and Applications CHP-107: Basic Practical Chemistry - I	CHP-210: Physical Chemistry -II (Molecular Spectroscopy and Nuclear Chemistry) CHI-230: Inorganic Chemistry - II (Coordination and Bioinorganic Chemistry) CHO-250: Organic Chemistry - II (Photochemistry, Pericyclic and Organic spectroscopy) CHG-290: Section-I: Option-C: Introduction to Chemical Biology-II CHG-290: Section-II: Elective Option-A: Electroanalytical Techniques of Analysis CHP-227: Basic Practical Chemistry - II

M.Sc. Organic Chemistry - II

Semester III	Semester IV
CHO-350: Organic Reaction Mechanism and Biogenesis CHO-351: Structure Determination of Organic Compounds by Spectroscopic Methods CHO-352: Stereochemistry and Asymmetric Synthesis of Organic Compounds. CHO-353A: Protection deprotection, chiron approach and carbohydrate chemistry CHO-353B: Designing Organic Syntheses and Heterocyclic Chemistry CHO-354: Practical II: Solvent Free Organic Synthesis	CHO-450: Chemistry of Natural Products CHO-451: Organometallic Reagents in Organic Synthesis CHO-452A: Medicinal Chemistry CHO-453: Practical - III: Section-I: Ternary Mixture Separation, Section-III: Project / Industrial Training/Internships/ Summer Project CHO-454: Practical - II: Convergent and Divergent Organic Syntheses.

M. Sc. Analytical Chemistry

Eligibility – B. Sc. Chemistry or equivalent from a recognized institute

Intake capacity – 48 students

Admissions will be given as per the rules and regulations of SPPU, Pune.

M. Sc. Analytical Chemistry - I

Semester I	Semester II
CHP-110: Physical Chemistry-I (Fundamentals of Physical Chemistry) CHI-130: Inorganic Chemistry-I (Molecular Symmetry and Chemistry of Main Group Elements) CHO-150: Organic Chemistry-I (Basic Organic Chemistry) CHG-190: Section-I: Option-A: Introduction to Solid state matter CHG-190: Section-II: Option-A: Inorganic Chemistry-Material Analysis, Synthesis and Applications	CHP-210: Physical Chemistry -II (Molecular Spectroscopy and Nuclear Chemistry) CHI-230: Inorganic Chemistry-II (Coordination and Bioinorganic Chemistry) CHO-250: Organic Chemistry-II (Photochemistry, Pericyclic and Organic spectroscopy) CHG-290: Section-I: Option-A: Material Characterization techniques CHG-290: Section-II: Elective Option-A: Electroanalytical Techniques of Analysis

M. Sc. Analytical Chemistry - II

Semester III	Semester IV
CCTP-7 CHA-390 Electrochemical and Thermogravimetric Methods of chemical analysis CCTP-8 CHA-391 Analytical Method Development and Extraction Techniques CCTP-9 CHA-392 Advanced Chromatographic Methods of Chemical Analysis CBOP-3 Theory CHA-393 B Analysis of Food and Controlled Substances CCPP-3 CHA-394 Practical I: Basics of Instrumental Methods of Chemical Analysis	CCTP-10 CHA-490 Advanced Analytical Spectroscopic Techniques CCTP-11 CHA-491 Chemical Methods of Pharmaceuticals Analysis CBOP-4, CHA-492-B: Analytical Chemistry of agriculture, polymer and detergents CBOP-5, CHA-493-A: Optional Analytical Chemistry Practical OR CBOP-5, CHA-494-B: Project CCPP-4 CHA-494 Practical II: Applied Analytical Chemistry Practical

M. Sc. (Physics)

Course Structure/Credit Pattern :

Eligibility – B. Sc. Physics or equivalent from a recognized institute

Intake capacity – 24 students

Admissions will be given as per the rules and regulations of SPPU, Pune.

M.Sc. Physics– I

Semester –I	Semester –II
PHCT – 111 Mathematical Methods in Physics	PHCT – 121 Electrodynamics
PHCT – 112 Classical Mechanics	PHCT – 122 Atoms and Molecules
PHOT – 113 Electronics	PHCT – 123 Quantum Mechanics
PHOT -214A4 Physics of Thin Films	PHOT 124B4 Physics of Nanomaterials
PHCP – 115 Physics Lab-I	PHCP – 125 Physics Lab-II
Cyber Security-I	Cyber Security-II
Human Rights-I	Human Rights-II

M.Sc. Physics– II

Semester –III	Semester –IV
PHCT -231 Statistical Mechanics	PHCT -241 Nuclear Physics
PHCT -232 Solid State Physics	PHCT -242 Experimental Techniques in Physics-II
PHCT -233 Experimental Techniques in Physics-I	PHOT 143 D4 Physics of Semiconductor devices
PHOT -234M4 Material Science-I	PHOT -244M4 Material Science-II
PHCP -235 Physics Lab-III	PHCP -245 Project

M.Sc. Botany

Eligibility – B. Sc. Biology / Botany / Life Science or equivalent from a recognized institute

Intake capacity – 48 students

Admissions will be given as per the rules and regulations of SPPU, Pune.

M. Sc. Botany - I

Semester –I	Semester –II
BOUT 111 Plant Systematics I	BOUT 121 Plant Systematics II
BOUT 112 Cell Biology and Evolution	BOUT 122 Molecular Biology
BOUT 113 Cytogenetics and Plant Breeding	BOUT 123 Biochemistry
BODT 114 Botany Theory Paper 4- a) Biofertilizer and Algal Technology OR b) Pomoculture and Fruit Processing Technology	BOUT 124 Botany Theory Paper 4- a. Floriculture and Nursery Management OR b. Mushroom Cultivation and Biopesticide Technology
BODP 114 Botany Practical Paper 4-based on - BODT 114	BODP 124 Botany Practical paper 4- based on - BODT 124
BOUP 115 Botany Practical Paper based on BOUT 111, BOUT 112 and BOUT 113	BOUP 125 Botany Practical paper based on BOUT 121, BOUT 122 and BOUT 123

M. Sc. Botany - II

Semester –III	Semester –IV
BOUT 231 Computational Botany	BOUT 241 Botanical Techniques
BOUT 232 Developmental Botany	BOUT 242 Advanced Ecology
BOUT 233 Plant Physiology	BOUT 243 Botany Theory Paper 3 (Any One) a) Applied Mycology b) Advanced Medicinal Botany c) Advanced Plant Physiology d) Industrial Biotechnology e) Seed Technology
BODT 234 Botany Theory Paper 4 (Any One) a. Mycology b. Angiosperm Taxonomy c. Plant Ecology d. Plant Biotechnology e. Genetics and Plant breeding f. Seed science	BODT 244 Botany Theory Paper 4 (Any One) a) Plant Tissue culture Technology b) Herbal Technology c) Research Methodology
BODP 234 Botany Practical Paper based on BODT 234	BODP 243 Botany Practical paper based on BODT 243
BODP 235 Botany Practical Paper based on BOUT 231, BOUT 232, BOUT 233	BODP 244 Botany Practical Paper based on BODT 244 Or PG Dissertation
	BODP 245 Botany Practical paper based on BOUT 241 and BOUT 242

M. Sc. Mathematics

Eligibility:

- 1) B.Sc. (with Mathematics up to second year) securing a minimum of 50% marks
- 2) B.E. /B.Tech.

Intake capacity – 24 students

Course structure : Credit pattern

Mathematics M.Sc. – First year

(INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS).

Semester –I		Semester –II
Real Analysis		Complex Analysis
Linear Algebra and computational Geometry		Algebra
Mathematical structures		Numerical Analysis
C Programming		Object oriented Programming with C ++
Elements of Information Technology		Data structures using C
Lab Course based on MIM 104		Lab Course

Bachelor of Home Science (B.H.Sc.)

F.Y.B.Sc. Home Science –

Eligibility : 12th Arts/ Commerce/ Science passed or equivalent exam passed. Course offered in English & Marathi.

Intake capacity – 120

Semester — I : Theory	Semester — I : Practical
1. HS-101 Applied Science 2. HS-102 Foundation of Design and Aesthetics 3. HS-103 Child Development 4. HS-104 Fundamentals of food science and Nutrition 5. HS-105 Introduction to Home Science Extension	1. HS-106 Applied Science 2. HS-107 Foundation of Design and Aesthetics 3. HS-108 Child Development 4. HS-109 Fundamentals of food science and Nutrition 5. HS-110 Introduction to Home Science Extension

Semester — II : Theory	Semester — II : Practical
1. HS-201 Human Physiology 2. HS-202 Introduction to Textile & Apparel Design 3. HS-203 Human Development 4. HS-204 Resource Management 5. HS-205 Culinary Science	1. HS-206 Human Physiology 2. HS-207 Introduction to Textile & Apparel Design 3. HS-208 Human Development 4. HS-209 Resource Management 5. HS-210 Culinary Science

S.Y.B.Sc. Home Science –

Eligibility - F.Y.B.Sc. Home Science exam passed or with A.T.K.T.
(Total Four subjects)

Semester — III : Theory	Semester — III : Practical Education
1. HS- 301 Residential Space Planning and Furnishing 2. HS-302 Marriage and Family Studies 3.HS-303 Textile Science 4.HS-304 Nutritional For The Family 5.EVA-231 Environmental Awareness 6.LA-231 Communication Skill	1. HS- 305 Residential Space Planning and Furnishing 2. HS-306 Marriage and Family Studies 3.HS-307 Textile Science 4.HS-308 Nutritional For The Family

Semester — IV : Theory	Semester — IV : Practical
1.HS-401 Consumer Education 2. HS-402 Early Childhood Care and Education 3.HS-403 Household Textile and Apparels 4.HS-404 Food Preservation 5.EVA-241 Environmental Awareness 6. LA-241 Communication Skill-II 17. Basic Nutritional Biochemistry	1. 1.HS-405 Consumer Education 2. HS-406 Early Childhood Care and Education 3.HS-407 Household Textile and Apparels 4.HS-408 Food Preservation

T.Y.B.Sc. Home Science –

Eligibility - F.Y.B.Sc Home Science exam passed, S.Y.B.Sc Home Science exam passed or with A.T.K.T. (Total Four subjects)

Specialization - Food Science and Nutrition

Semester —V : Theory	Semester — V : Practical
1. HS-501 Nutritional Biochemistry 2.HS-502 Diet Therapy -I 3.HS-503 Health, Hygiene and Microbiology 4.HS-504 Dietary Management for health and fitness 5.HS-505 Personality and Soft Skill Development – I 6.HS-506 Entrepreneurship Development– I	1.HS- 507 Nutritional Biochemistry 2.HS-508 Diet Therapy -I 3.HS-509 Health, Hygiene and Microbiology 4.HS-510 Dietary Management for health and fitness
Semester —VI : Theory	Semester — VI : Practical
1.HS-601 Institutional Food Service Management 2.HS-602 Community Nutrition 3.HS-603 Food Product Development and Quality Control 4.HS-604 Diet Therapy II 5.HS-605 Bakery Science – I 6.HS-606 Internship or Project – I	1.HS-607 Institutional Food Service Management 2.HS-608 Community Nutrition 3.HS-609 Food Product Development and Quality Control 4.HS-610 Diet Therapy II

T.Y.B.Sc. Home Science - (Total Four subjects)

Specialization - Textile & Clothing

Semester —V : Theory	Semester — V : Practical
1. HS-511 Clothing Construction 2. HS-512 Traditional Textiles of India 3. HS-513 Textile Chemistry 4. HS-515 Personality and Soft Skill Development -I 5. HS-516 Entrepreneurship Development– I	1. HS-517 Clothing Construction 2.HS-518 Traditional Textiles of India 3.HS-519 Textile Chemistry 4.HS-520 Fashion Illustration
Semester —VI : Theory	Semester — VI : Practical
1. HS-611 Textile Design 2. HS-612 Retailing and Merchandising 3. HS-613 Dyeing and Printing 4. HS-615 Textile Testing – I 5. HS-616 Internship or Project – I	1. HS-617 Textile Design 2. HS-618 Retailing and Merchandising 3. HS-619 Dyeing and Printing 4.HS-620- Pattern Making

In addition, college offers various certificate, diploma, advanced diploma and degree courses under B. Voc. and Community College.

B.B.A. (Computer Application) (previously known as B.C.A.)

Eligibility :

- HSC (10 + 2) from any stream with English as passing Subject with minimum 40% marks in aggregate.
- Two years Diploma in Pharmacy Course of Board of Technical Education, conducted by Government of Maharashtra or its equivalent.
- Three Year Diploma Course (after S.S.C. i.e. 10th Standard), of Board of Technical Education conducted by Government of Maharashtra or its equivalent.
- MCVC

Duration: Three years divided into six semesters.

Intake capacity – 180 students

Semester I	Semester II
101: Modern Operating Environment & MS Office 102: Financial Accounting 103 : Programming Principal & Algorithms 104: Business Communication 105: Principles of Management 106: Laboratory Course — I [Based on Paper No. 101 & 102]	201: Procedure Oriented Programming using C 202: Data Base Management System 203: Organizational Behavior 204 : Computer Applications in Statistics 205 : E-Commerce Concepts 206: Laboratory Course — II [Based on Paper No. 201 & 202]
Semester III	Semester IV
301 : Relational Database Management Systems 302 : Data Structures using C 303 : Operating System Concepts 304: Business Mathematics 305: Software Engineering 306: Laboratory Course — III [Based on Paper No. 301 & 302]	401 : OOP's using C++ 402 : Programming in Visual Basic 403 : Computer Networking 404 : Enterprise Resource Planning 405 : Human Resource Management 406 : Laboratory Course — IV [Based on Paper No. 401 & 402]
Semester V	Semester VI
501: Java Programming 502: Web Technologies 503: Dot Net Programming 504: Object Oriented Software Engg. 505: Software Project — I [Based on C++ / VB Technology] 506 : Laboratory Course — V [Based on Paper No. 501 & 502]	601 : Advanced Web Technologies 602 : Advanced Java 603 : Recent Trends in IT 604 : Software Testing 605: Software Project — II [Java / Dot net Technology] \
	606: Laboratory Course — VI [Based on Paper No. 601 & 602]

B.Sc. Computer Science (B.C.S.)

Eligibility :

HSC (10 + 2) from any stream with English as passing Subject with minimum 40% marks in aggregate.

Intake capacity : 80 students

F.Y.B.Sc. (Computer Science)

Semester I	Semester II
CS – 111 Problem Solving using Computer and ‘C’ Programming CS-112 Database Management Systems CS-113 Practical course based on CS101 and CS102 CC-II Mathematics – I, II and III CC-III Electronics – I,II and III CC-IV Statistics – I, II and III	CS-121 Advanced ‘C’ Programming CS-122 Relational Database Management Systems CS-123 Practical course based on CS201 and CS202 CC-VI Mathematics – I,II and III CC-VII Electronics – I, II and III CC-VIII Statistics – I,II and III

S.Y.B.Sc. (Computer Science)

Eligibility - F.Y.B.Sc. (Computer Science) exam passed or with A.T.K.T.

Semester III	Semester IV
CS 231 Data Structures and Algorithms – I CS 232 Software Engineering CS 233 Practical course on CS 231 and CS 232 CC-IX Mathematics - I CC-IX Mathematics - II CC-IX Practical course in Mathematics CC-X Electronics - I CC-X Electronics - II CC-X Practical course in Electronics AECC-I Environment Science – I AECC-II Language Communication – I	CS 241 Data Structures and Algorithms – II CS 242 Computer Networks - I CS 243 Practical course on CS 241 and CS 242 CC-XII Mathematics - I CC-XII Mathematics - II CC-XII Practical course in Mathematics CC-XIII Electronics - I CC-XIII Electronics - II CC-XIII Practical course in Electronics AECC-I Environment Science – II AECC-II Language Communication –II

T.Y.B.Sc. (Computer Science)

Eligibility - F.Y.B.Sc. (Computer Science) exam passed, S.Y.B.Sc. passed or with A.T.K.T.

Semester V	Semester VI
CS 351 Operating Systems – I CS 352 Computer Networks – II CS 357 Practical course based on CS 351 CS 353 Web Technologies – I CS 354 Foundations of Data Science CS 358 Practical course based on CS 353 and CS 354 CS 355 Object Oriented Programming using Java - I CS 356 Theoretical Computer Science CS 359 Practical Course based on CS 355 CS 3510 Python Programming CS 3511 Blockchain Technology	CS 361 Operating Systems – II CS 362 Software Testing CS 367 Practical course based on CS 361 CS 363 Web Technologies – II CS 364 Data Analytics CS 368 Practical course based on CS 363 and CS 364 CS 365 Object Oriented Programming using Java - II CS 366 Compiler Construction CS 369 Practical Course based on CS 365 CS 3610 Software Testing Tools CS 3611 Project

Community College Tailoring and Fashion Technology

Eligibility for admission: 10+2 (in any field)

Intake capacity – 50 students

Semester I : Certificate (6 month)	Semester II : Diploma (1 year)
GE-11 : Business English and Prayojanmulak Hindi GE-12 : Communication and Soft Skills GE-13 : Introduction to Textile and Clothing SC-11 : Pattern Making and Garment Construction-I SC-12 : Dress Making SC-13 : Elements of Art and Principles of Design	GE-21 : Introduction to Home Science GE-22 : Computer Fundamentals GE-23 : Indian Culture and Heritage SC-21 : Introduction to Fashion Industry SC-22 : Fashion Design and Illustration SC-23 : Pattern Making and Garment Construction- II

Semester III	Semester IV : Advanced Diploma (2 year)
GE-31 : Clothing for Family GE-32 : Professional Ethics and Management Practices GE-33 : Fashion Merchandising SC-31 : Advanced Garment Construction SC-32 : Apparel Production (Collection) SC-33 : Traditional Textiles and Embroidery of India	GE-41 : Quality Control GE-42 : Costume Design GE-43: Basics of Photography SC-41: Computer Aided Fashion Design SC-42: Fashion Industry, Marketing and Management SC-43 : Internship

Travel and Tourism

Eligibility : 10 + 2 (in any field)

Intake Capacity - 50

Semester I	Semester II
GE-11 : Business English and Prayojanmulak Hindi GE-12 : Communication and soft skills GE-13 : IT for tourism SC-1 1 : Introduction to tourism SC-12 : Tour operation management SC-13 : Tour hospitality management	GE-21 : Indian history GE-22 : Tourism geography GE-23 : Tourism marketing and products SC-21 : Tourism planning SC-22 : Event managements - I SC-23 : Internship – I

Semester III	Semester IV
GE-31 : Bio-physical gifts of India GE-32 : Indian culture and heritage GE-33 : Tribal heritage SC-31 : Agro tourism SC-32 : Tour guiding SC-33 : Event managements – II	GE-41 : Introduction to accounting GE-42 : Professional ethics and management practices GE-43 : Basics of photography SC-41 : Introduction to contemporary issues and ethical legal aspects of tourism SC-42 : Quality management in tourism

B.Voc. Quality Control in Industry

(UGC sponsored and Savitribai Phule Pune University Approved)

Eligibility : 10 + 2 Science or equivalent exam passed.

Intake capacity- 50 seats

Course duration :

- Certificate Course - 6 months I Sem.
- Adv Diploma Course - 2 years
- Diploma Course - 1 year
- Degree Course - 3 years

Semester I	Semester II
QCGE 11: basic concepts in quality control QCGE 12 : Introduction to microbiology QCGE 13 : Introduction to Analytical Chemistry QCSC 14: Industrial safety QCSC 15: Basic techniques in Microbiology QCSC 16: Purification and Qualitative analysis	QCGE 21 : Communicative English QCGE 22 : Basic methods in qualitative analysis QCGE 23 : Chemistry of biomolecules and bioinorganic compounds QCSC 24 : Basic techniques in microbiology II QCSC 25 : Quantitative methods of analysis QCSC 26 : Electrochemical methods of analysis

Semester III	Semester IV
QCGE 31: Statistics QCGE 32: Electrogravimetry, chromatography, photometric techniques and other miscellaneous methods of analysis QCGE 33: Dairy science QCSC 34: Industrial water system QcCsc 35: Estimation techniques QCSC 36: Chromatography and spectrophotometry	QCGE41 : Computer fundamentals QCGE 42 : Quality assurance and regulations in industry QCGE43 : Food science QCSC 44 : Soft skills and computers QCSC 45 : Quality control tests in pharmaceutical industry QCSC 46 :Quality control tests in food and dairy

Semester V	Semester VI
QCGE 51 : Basic Immunology QCGE 52 : Environmental laws and water treatment QCGE 53 : Spectroscopic methods of analysis QCSC 54: Pharmaceutical process validation QCSC 55 : Pilot fermentation QCSC 56: In plant training/Visits + Seminars	QCGE 61: Intellectual property rights & research methodology QCGE 62 : Environmental impact assessment QCGE 63 : Advanced analytical instrumental methods of analysis QCSC 64 : Advanced analytical trumentation QCSC 65 : Internship / Project / Dissertation

B.Voc. Drama and Theatre

Eligibility: • 10th for Certificate course in Dramatics. • 12th for Degree course

Intake capacity – 50 students

Semester I	Semester II
DTGE 11 : Introduction to Theatre and Drama DTGE 12 : Acting-I DTGE 13 : Theatre Techniques-I DTSC 14 : Acting Practical - I DISC 15 : Classroom Production-I	DTGE 21 : History of Theatre DTGE 22 : Acting-II DTGE 23 : Theatre Techniques-II DTSC 24 : Acting Practical - II DTSC 25 : Classroom Production-II
Semester III	Semester IV
DTGE 31 : Indian Theatre - I DTGE 32: Folk Theatre of Maharashtra DTGE 33 : Acting -III DTSC 34 : Practical -III DTSC 35 : Theatre Production-	DTGE 41 : Indian Theatre - II DTGE 42 : Folk Theatre of Maharashtra DTGE 43 : Acting -IV DISC 44 : Acting Practical -IV DISC 45 : Theatre Production-II
Semester V	Semester VI
DTGE 51 : History of Marathi Theatre DTGE 52 : Bharatmunis Natyashastra and Acting Theory-II DTGE 53 : Stage Craft DTSC 54: Acting Practical -V DTSC 55: Play Production-I	DTGE 51 : History of Marathi Theatre – II DTGE 52 : Bharatmunis Natyashastra and Acting Theory-II DTGE 53 : Production and Direction DTSC 54 : Production and Direction Practical DTSC 55 : Play Production-II

B.Voc. Agri Business Management

(UGC sponsored and Savitribai Phule Pune University Approved)

Eligibility :

- Type A - Students who have already acquired NSQF certification level 4 in a particular trade and opted
- Type B - Students who have passed 10+2 or equivalent in any stream from any recognized board or university without any background of vocational training.
- Type C – Students passed 10+2 examination with conventional schooling without any background of vocational training.

Intake capacity : 50

Course duration : 3 years [Six semesters].

Semester I	Semester II
GE 101 Agro-Techniques of Principal Field Crops- I (Kharif) 2	GE 201 Agro-Techniques of Principal Field Crops- II (Rabi)
GE 102 Fundamentals of Soil Science	GE 202 Production Management of Vegetable, Floricultural, Aromatic and Medicinal Crops
GE 103 Production Management of Important Fruit Crops	GE 203 Principles of Plant Biotechnology
GE 104 Livestock Production and Management	GE 204 Soil, Water and Plant Analysis
GE 105 Agricultural and Natural Resource Economics	GE 205 Value Addition in Animal Products
SC 106 Principles of Management and Agribusiness	GE 206 Farm Structures and Green House Technology
SC 107 Comprehensive and Communication Skills in English	GE 207 Fundamentals of Entomology
SC 108 Practical Crop Production - I (Kharif Crops)	GE 208 Money, Banking and International Trade
SC 109 Physical and Chemical analysis in Soil Science	GE 209 Introduction to Agricultural Marketing
SC 110 Practical Fruit Crop Production	GE 210 Marketing Institutions and Organizations
SC 111 Livestock Management Practices	GE 211 Agro- based Industrialization
SC 112 Overview of Agricultural and Natural Resource Economics	SC 212 Practical Crop Production II (Rabi Crops)
SC 113 Application tools of Agriculture Business Management	SC 213 Practicals in Vegetable and Flower crop production
SC 114 Information and Communication Technology	SC 214 Applications in Plant Biotechnology
SC 115 Comprehensive and Communication Skills in English	SC 215 Interpretation of Soil, Water and Plant Analysis
	SC 216 Practices in Animal Product Technology
	SC 217 Practices in Farm Structures and Green House Technology
	SC 218 Overview of Insect morphology, Crop Pest Management and Beneficial Insects
	SC 219 Financial Institutions and International trade
	SC 220 Practices in Agricultural Marketing
	SC 221 Case studies on Marketing Institutions and Organizations
	SC 222 Case Studies on Agrobased industries

B.Voc. Dairy Technology

(UGC sponsored and Savitribai Phule Pune University Approved)

Eligibility :

Type A - Students who have already acquired NSQF certification level 4 in a particular trade and opted

Type B - Students who have passed 10+2 or equivalent in any stream from any recognized board or university without any background of vocational training.

Type C – Students passed 10+2 examination with conventional schooling without any background of vocational training

Intake capacity – 50 students

Course duration : 3 years [Six semesters].

Semester I	Semester II
BDT 101 Introduction to Dairy Technology BDT 102 Introduction to Dairy Farming BDT 103 General Microbiology BDT 104 Practical I (Dairy Technology) BDT 105 Practical II (Dairy Chemistry & Microbiology) BDT 106 Practical III (Dairy Workshop Practices)	BDT 201 Technology of fat rich dairy products BDT 202 Basics of Dairy process engineering BDT 203 Introductory Dairy microbiology BDT 204 Practical I (Manufacturing of Fat rich dairy products) BDT 205 Practical II (Dairy Microbiology) BDT 206 Practical III (Industrial internship - I)

B.Voc. Food Processing

(UGC sponsored and Savitribai Phule Pune University Approved)

Eligibility :

Type A - Students who have already acquired NSQF certification level 4 in a particular trade and opted

Type B - Students who have passed 10+2 or equivalent in any stream from any recognized board or university without any background of vocational training.

Type C – Students passed 10+2 examination with conventional schooling without any background of vocational training.

Intake capacity – 50 students

Course duration : 3 years [Six semesters]

Semester I	Semester II
GE 11 Fundamentals of Food Science-I GE 12 Introduction to Microbiology GE 13 Introduction to Food Preservation SC 14 Food Preservation SC 15 General Biochemistry and microbiology SC 16 Processing Technology of Fruits and Vegetables	GE 21 Communication Skills GE 22 Fundamentals of Food Science- II GE 23 Environmental Science SC 24 Food Quality and Analysis SC 25 Food Biochemistry SC 26 Computer Fundamentals

B.Voc. Health Care Management

(UGC sponsored and Savitribai Phule Pune University Approved)

Eligibility :

Type A - Students who have already acquired NSQF certification level 4 in a particular trade and opted

Type B - Students who have passed 10+2 or equivalent in any stream from any recognized board or university without any background of vocational training.

Type C – Students passed 10+2 examination with conventional schooling without any background of vocational training.

Intake capacity – 50 students

Course duration : 3 years [Six semesters].

Semester I	Semester II
GE11 Human body structure and function GE12 Health care and risk management GE13 Medical record-operation and management SE11 Soft skill and communication SE12 Human body ,health care and risk management-practical SE13 Fundamental of computer and medical software application HSS/Q0551 Medical Record and Health Information Technician HSS/Q6101 Hospital Front Desk Coordinator HSS/Q5101 General Duty Assistant	GE21 Introduction well being ethical issues and professional behavior of EMT GE22 pharmacology related to EMS,history taking ,baseline vitals, lifting and moving of patient GE23 Patients rights and responsibilities, emergency situation and moving and lifting of patient SE24 Patient assessment, basic and advance airway support SE25 Trauma emergencies and management SE26 Medical emergencies and management QP-FIC/Q7001 Patient Relation Associate QP-FIC/Q0109 Emergency Medical Technician

Why Should you select SPMC ?

Facilities

Hostel

An important part of the infrastructure at an educational complex is hostel. Well furnished and well- equipped hostels for girls and boys that can accommodate about 2000 students are provided on the campus. Strict discipline, safety and security arrangements, and reasonable fees have developed trust among parents from all over the State. Generator backup, treated water, communication center, recreation hall, medical and health facilities are important features of our hostels. It may be noted that the hostel facility has significantly contributed to the growth of the college. Owing to the reputation of the hostel with its security the farmers in the surrounding villages have developed a profound trust in the College. Thus the former's daughters who could not avail education due to remote residence or lack of easy accessibility, difficult for communication, gets the best knowledge with security and care. Hence, Farmers are very keen on getting admission to their daughter to this girls college and its hostel. They just pay the fees and rest assured of the best education in the area. Recently as a social responsibilities Trust has started giving free food, accommodation and education to 100 students every year.

Library - The central library of Shardanagar was established in the year 1991. Since then, library has made consistent progress in terms of collection of books and the services provide. It is well equipped & spacious with growing number of books, growing number of books, Resources. etc.

Literary Collection	
Book	Number
Senior College	27080
Book Bank	11781
UGC-BCUD, MRP	1005
Donation	9409
Journal & Magazine Bound volumes	3102
News Paper Clipping File	450
Daily News Paper	12
Print Journal & Magazine	75

Laboratories

Well equipped laboratories of Microbiology, Physics, Botany, Zoology, Chemistry, Language, Nutrition Textile, Geography, Psychology, Computer Science & Mathematics etc. are available with all the sophisticated instruments according to the syllabi. To enhance interactive, collaborative and independent learning the institute provides following facilities to the teacher.

Teaching Aids Like

- LCD projectors are provided to all Departments.
- Interactive Boards, Internet facility to all Departments.
- INFLIBNET, e-book sand online journals are subscribed by the institute.
- Teacher Training programmes visits etc. organized.
- Inter departmental workshops are organized.
- Digital Language laboratory is established to enhance English learning by students.

Student-centric Teaching and Learning:

The institution supplements the following activities in teaching and learning process to make learning more effective and student centric:

- Seminar, book review, group discussion, preparing wall paper, collecting subject terminology, essay writing competition, elocution, quiz, survey, project work, interview techniques, personality development course, preparing for various competitive exams, and study tour.
- Students are encouraged to take part in different curricular and co-curricular activities like NSS, NCC, cultural programmes and to participate activities conducted by different colleges.
- The institution organizes soft skill development programme and finishing programme for B.A., B.Com., B.Sc. B.H.Sc. and BBA part III, orientation programme for B.A., B.Com., B.Sc. B.H.Sc. and BBA part.
- Guest lectures by distinguished personalities from different field are arranged for all students. The Quality Improvement Programme facility is availed by college for students regularly. All above activities promote the students to acquire life skills, values, Knowledge, management skills and lifelong learning.

Swayamsiddha

Swayamsiddha is an unique activity to inculcate leadership skills among women who can face the future challenges in life independently. It is a state level activity.

Student Safety Insurance Scheme

College has Insurance Scheme for its students in association with Savitribai Phule Pune University, Pune, with negligible amount.

Mentor - Mentee Scheme

Senior student takes the responsibility of junior students and interact with them to make them comfortable in learning process.

Karmveer Scheme

Special scholarships, free ships, earn and learn schemes have cheered several needy students in and around Baramati. Karmaveer mess facility is made available to economically challenged students. The students are given free accommodation and mess facilities. Till now 656 girls have taken advantage of the scheme. In the year 2006, the topper in std XII was from Karmveer Mess. Earn and Learn Scheme is provided to 100 needy students every year.

Earn and Learn Scheme

Institute and College along with University provides this facility to more than 100 needy students every year.

Teacher Parents Scheme

Each Teacher is allotted 20/30 students and he/she becomes guardian of these students for the entire year to counsel them in their problems.

Others facilities

STD booth, Xerox, Laundry, Fruit stall, Post box, Medical facility, Parking, Gymkhana, Play ground, Ambulance, Mini bank, Suggestion box, Daily newspaper, Canteen etc. are provided on campus.

Sports Complex

The institute has developed Well equipped and vast sports complex with Gymnasium, Tennis Court, Multi sports hall, running track and other sports fields.

Curricular & Extra - curricular activities

Excursions:

Students' excursions are regularly arranged to renowned educational/research institutes, biodiversity sites, eco heritage sites, historical places and places of social, economic, political importance.

Conferences, Seminars, Workshops :

College organizes regularly National, State and University level Conferences, Seminars, Workshops on various subjects along with expert's lectures.

Sharda Kala & Krida Manch:

Parent institute's this activity provides opportunities to participate in various sports and cultural activities.

Placement Cell :

Various campus interviews are organized to period the job opportunities for the students in various field.

Competitive Exam. Forms :

Centre offers training and coaching for various competitive exams. Regular classes are also conducted for M.P.S.C., Banking, Railway exams.

Pre Recruitment Police Training :

One of the best practices opted by college which offers pre recruitment police training programme for girls. From every batch more than 90% students are recruited from this training programmes at various police stations throughout Maharashtra

Soft Skill Development Programme:

College is pioneer in this programme in Pune University to train the trainees of various colleges. Through this we offer exhaustive soft skill development programme for the students to develop leadership and communicative skills in them.

Orientation Programme:

It is one of the unique and innovative programmes offered by college to first year students of all facilities. This programme is unique of its kind and started in first time in Maharashtra by this college. It intends to orient the students admitted in higher education system to college, various programmes, policies, library, laboratories, offices etc. It inspires the students to mould their career by setting goals and targets right time at the beginning of college life.

Environment Section :

Institutes environment section organizes trekking, visits to forts, sanctuaries.

Ideal Student Programme:

College selects one ideal student every year and is awarded. Selection is based on overall development, achievements in sports and academic, participation in curricular, co-curricular and extra-curricular activities along with individual performances and behavior in and out of the campus.

Spoken English Course:

English being a global language and its vital need in shaping career, has been noted by the college. Hence Spoken English Course is conducted all round the year to develop effective and appropriate communication skills. Also to build confidence in real life situations, the course is conducted for the students of all faculties with minimal charges. To meet the International standards of communication in English, the college runs Speak fast Spoken English Course of ELTIS, Symbiosis International, Deemed University, Pune on campus. The students are provided Digital Language laboratory and special library for Spoken English Practice.

National Cadet Corps (NCC)

Intake capacity :30 students per year. Includes N.C.C. B & C certificate exams, having prospects in Army, Navy, Airforce as an officer.

- NCC inculcates qualities like patriotism, courage, morality, discipline, secularism among the students.
- These virtues help the students to build up their all round personality.
- 20 to 30 cadets are selected for NCC unit in the college.
- NCC cadets get five marks grace in degree exam i nation.
- The cadets who get B or C certificate in NCC get preference in the selection of Army, Navy and Airforce.
- NCC cadets get opportunity to participate ATC camp, All India summer training, leadership camp, Himalaya mountaineering camp, trekking camp, Republic day parade.
- These participation enhances their leadership abilities

National Service Scheme (NSS)

- Intake capacity : 250 students (2 Units) — Senior & Junior college (+2) units are independent and selects 250 students per year.
- Provides opportunity to participate in Pre R.D. and R.D. Parades, NIC Camps, Special Winter Camps etc. at National, State & University levels.
- NSS activities create interest in social work and awareness of social issues among the students.
- 7 days winter camp in village provides firsthand experience of rural life to the students. Some excellent students get an opportunity to participate in Republic day parade at Mumbai or Delhi.
- The students who complete two years in NSS along with the winter camp get certificate from the university.
- They also get 5 marks grace to pass their degree course.
- The NSS students can also participate in various state n national level camps.

Departmental Activities :

Various activities are organized by different departments regularly. Students can participate in various activities as per their interests.

- Gandhi Mission Competitive Exam.
- Pre and Post Marriage Counseling Workshops.
- Psychological Tests.
- Microbiology Fair.
- Chem quiz, Botanical quiz, General knowledge
- quiz, Street Botanical quiz
- Tree search, Tree senses
- Exhibitions — Scientists, Medicinal plants,
- Innovation etc.
- Presentations - Today's plant, Nil
- desperandun, Magnum opus, Locus classicus etc.
- Wall paper — Antarnad
- Blood Group detection & Hb checking and Counseling
- Health check up and counseling
- Sulkehan Workshop, Cursive writing workshop
- Workshops — Bioinformatics, Hanging Basket
- Making, Flower Arrangements etc.
- Student Parliament
- Student Council

Research Priorities :

- 1) Sericulture
- 2) Synthesis and characterization of Bio Active Compounds
- 3) Bio-fertilizers
- 4) Soil Mycoecology
- 5) Plant Pathology and Physiology
- 6) Medicinal Plants
- 7) Antimicrobial activity
- 8) Enzyme Production, Purification & Characterization

Consultancy available :

- 1) Food, Health and Nutrition
- 2) Water, Milk, Blood, Soil testing
- 3) HB, Checking and Counseling
- 4) Plant Authentication
- 5) Plant Disease Diagnosis
- 6) Plantation and Landscaping

Do visit, look, observe and experience when you are in ADT

- Osari- Late Pad. Dr. Appasaheb Pawar memorial.
- Dinkar Auditorium.
- Padmashree Dr. Appasaheb Pawar Auditorium.
- Monumental Sculptures by national artist.
- Agricultural and Allied sciences college.
- Google room-Agri college
- Dhyan Kendra- Agri college
- International Beauty School.
- Sharda sports complex.
- Agricultural extension farm.
- KVK.
- Dhanvantari Udyan-farm.
- Mahila Sangh.
- ADT main office.
- Rainbow school.
- Day school.
- VIP Guest House.
- Central library.
- Unique collection of books donated by Hon. President Sharad Pawar.
- Network and resource centre, Central library.
- ADT website.
- KVK website.
- Senior college website.
- School website.
- SPMM parent app.
- Hostels.
- Karmveer Hostel.
- Swast mess.
- Parent Lounge.
- Personality development centre.
- Sanitary Napkin Production Unit.
- Exhibits of birds information.
- Information Displays of plants.
- Silent music chanting
- Vermicompostunit.
- Biogas generation unit feed on mess wastes.
- Vihar.
- Girl's room/ladies room.
- Facility centre.
- Student internet and reprography facility.

Do think, orient and activate yourself for

- Orientation Programme
- Students Executive Council Elections
- Students Council of SPPU Elections
- YIN Elections
- NSS
- NCC
- Swayamsiddha - Yuvatisammelan
- Programme coordinators
- Mentor for Junior Students
- Environmental Awareness
- Cleanliness Programme

Do compete and prove yourself in

- Sports Festival
- Chem Quiz
- Microbiology Quiz
- Botanical Quiz
- Chemiad Exam.
- Tree Search Exam.
- Talk and Win Competition
- Self Defense Training

Do visit, attend and flourish

- BhimthadiJatra - ADT - Pune
- Krushik - ADT - Shardanagar
- Srujan - ADT - Shardanagar
- Parivartan Lecture Series - ADT - Shardanagar
- Grain Festival - KVK - Baramati
- Swayamsiddha - ADT - SPMC - Shardanagar
- ChaitraPalavi - ADT – Shardanagar

Do admit in and develop through activities of

- Police Recruitment - Pre-Police Recruitment
- Training
- Competitive exam centre
- Placement Cell
- Entrepreneurship Development Programme
- Soft Skill Development Programme
- Career Orientation Courses
- Spoken English Course

Involve and get inspire through

- Best Student Award
- Annual Sports Prize Distribution Function
- Annual Academic Prize Distribution Programme
- 15th August
- SPPU — Convocation Ceremony

Do visit, look, observe and experience when you are in SPMC

- Textile museum
- Diet counseling centre
- Psychological testing and counseling centre
- Unique solar destination unit
- Zoological museum
- House hold products production centre and exhibition
- House hold products production centre and exhibition
- Food oil testing facility
- Photographical herbarium
- E-visualiser and E-slate facility
- Digital plant documentation unit
 - Online one click phyto diversity
 - Shardanagar tree search program
- Botanical Museum
- Ganesh patri exhibition
- Ancient fathers - scientific heritage of India - Exhibition
- PG internet facility
- Instrumental facility
- Computer controlled and assisted automatic fermentor
- Unique chalk dust remover cum collector units
- Innovative micro slides management system
- Wall planters and hanging displays
- Botanical demonstration area.
- Solar energy harvesting unit
- High capacity telescope
- Sanitary Napkin vending machines.
- Sanitary Napkin disposing automatic units.
- Open classrooms.
- Group discussion areas.
- Language laboratory
- Internal quality assurance cell
- Examination and evaluation centre

Do enrolled and be skilled through

- Blood Group Detection Camp
- Haemoglobin Blood Group Detection Camp
- Household products production workshop
- In & Outdoor gardening skill workshops
- Hand on trainings in Molecular Biology

Do participate for scientific temperament and research attitude through

- Environmental Awareness Course
- Research Seminars, Conferences, Workshops and Trainings
- Innovation / Avishkar Competitions
- Science Exhibitions
- Projects
- Poster & Paper Presentation
- Science Association Activities
- Review Writings
- Research Paper Publications

Do register and motivate yourself through

- Nature Club activities
- Adventure activities
- Trekking
- Botanical Excursions
- Geographical Expeditions
- Visits to Historical Places
- Science Association
- Commerce Cell / Association

Do Play a role for social cause through ADT's

- Squint Removal Campus
- Watershed Development Programme
- "Samruddha Gram" Yojana
- "OdhaKholi Karan" Campaign
- SaveGirl Child Ralleys
- JaljagarAbhiyan
- Paani Foundation Shramdaan

Do participate and excel through

- Modi Lipi Training Programme
- Workshop and making Bonsai
- Hanging Baskets Making
- Moss stick Making
- Orientation Programme
- Drama & Acting Training
- Soft Skill Development Programme
- Finishing Programme
- Sulekhan Workshop
- Spoken English Workshop

Our Initiative towards Environment

- Campus is BOTTLED WATER free zone and POLYTHENE BAG FREE zone.
- Guests invited or visiting the campus are felicitated with tree plantlet tagged with its information on environmental significance.
- Travelling plans are shared and vehicles of institute are used accordingly on sharing basis.

Efforts for carbon neutrality

- 1) Staff and students are awarded to reduce individual carbon footprints.
- 2) No staff or students are using Single Use (one use disposable) pen and pencils.
- 3) Chalks and papers are used very carefully and user at their fullest extent.
- 4) Use of ecofriendly notebooks/ papers is in practice.
- 5) Students are motivated to use fullest of its extent of notebooks, pencils, toothbrushes, soaps, dresses, foot wares etc.
- 6) Vehicles are not allowed to pass-through campus.
- 7) Concept of Eco-procurement is in operation.
- 8) Studying waste profile wastes are sorted first into hazardous and non hazardous and then as solid and liquid.
- 9) One sided used papers are reused.
- 10) Fully used newspapers are also reused for microbiological procedures by microbiology department.
- 11) No use of disposables is allowed.
- 12) During the experimentation used accessories such as equipment's, glassware are repeatedly used after sterilization.
- 13) Hazardous wastes such as chemicals, contaminants, pollutants are taken care off at source only.
- 14) Canteen/ Mess liquid wastes transported to Biogas generating unit.
- 15) Solid wastes are classified as paper, plastic, glass and plant material and accordingly facilitated and taken care off.
- 16) Plant litter and waste is not burnt in the campus.
- 17) Plant litter and other decomposable waste is transported to vermicompost unit of the institute.
- 18) Toilet wastes are treated in septic tanks and then released in oxidation pond.

Biodiversity & Plantation (Phytodiversity)

- 1) Campus environment is maintained as Eco friendly possibly by all means. Variety of the measures are taken to maintain and prosper biodiversity within and outside the campus.
- 2) Bio diversity audit is conducted after every five years.
- 3) No one is allowed to smoke in the campus. Spitting, chewing of tobacco is strictly prohibited.
- 4) Plantation is also taken care of seriously. Wherever required chain link fencing has been installed.
- 5) While plantation maximum possible richness is considered in conservation point of view.
- 6) Phytodiversity maintained includes variety of herbs, shrubs, climbers and trees falling under category of ornamental, cultural and medicinal plants having exotic, recreational, aesthetic, religious and curing values records more than 1 500 population including more than 125 species.
- 7) Tree census, tree search activity, naming of plants and displaying plant's and bird's information is routine practice.
- 8) Indigenous and locally adapted plants are also specifically planted to attract the different birds and to be safe food chain for them.
- 9) Water pots and bird feeders are installed on trees.
- 10) Campus buildings provides very safe and friendly niche for more than 200 pigeons.
- 11) Ecofriendly environment is housing naturally different reptiles including various types of snakes and domesticated two breeds of duck.

College Staff

Prof. (Dr.) S. V. Mahamuni
Principal I/C

Dr. M. R. Nimbalkar
Incharge, Arts & Commerce

Dr. P. V. Jadhav
Incharge, Science & B Voc.

Senior College

Marathi Department

Prof. J. R. Ghodake

English Department

Prof.

Geography Department

Prof. M.S. Nimbalkar

Economics Department

Prof.

Psychology Department

Dr. M. R. Nimbalkar

Commerce Department

Dr. A. R. Mungi

Chemistry Department

Prof. N. S. Shinde

Dr. S. L. Khillare

Zoology Department

Dr. U. S. Ghantaloo

Hindi Department

Prof. V. V. Chandane

Physical Director

Prof.

History Department

Dr. D. A. More

Politics Department

Dr. R. S. Survase

Sociology Department

Prof.

Physics Department

Dr. T. P. Gujar

Botany Department

Prof. R. B. Deshmukh

Dr. B. M. Sakdeo

Dr. A. S. Sonavane

Prof. S. D. Pawar

Prof. S. P. Bhagat

Prof. H. A. Nikule

Microbiology Department

Dr. S. V. Mahamuni

Dr. P. V. Jadhav

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Dr. Y. B. Phatake

Dr. J. P. Rathod

Dr. V. R. Kothari

Mathematics Department

Prof. H. V. Wanave

Librarian

Prof. R. S. Lohakare

Non-Teaching

R. S. Gaikwad

Ratilal S. Gaikwad

Y. R. Sonawane

A. R. Kamble

S. G. Anpat

A. B. Pawar

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N. S. Bhagwat

S. T. Mane

P. C. Chavan

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V. P. Pharande

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