

Admission Guidelines

Rules and Regulations

2020-21



Progressive Education Society's

MODERN COLLEGE OF ARTS, SCIENCE AND COMMERCE

Ganeshkhind, Pune - 411 016

Best College Award from Savitribai Phule Pune University

Accredited by NAAC with 'A' grade

- DST-FIST Sponsored College
- STAR College Status Awarded by Department of Biotechnology
- Best College Award by Student Welfare Board, Savitribai Phule Pune University
- Best N.S.S. Unit Award by Savitribai Phule Pune University
- Best College Magazine Award by Savitribai Phule Pune University, Pune
- First prize for "Efficient Energy Management And Utilisation"
by Maharashtra Energy Development Agency (MEDA), Govt. of Maharashtra
- Vanashree Award by Govt. of Maharashtra
- Best College Award by Indian Red Cross Society
- Innovative College Award by CEDA
- Center for Innovation, Incubation & Linkage as per SPPU norms



Prof. Dr. Gajanan R. Ekbote
M.S.M.N.A.M.S.
Chairman, B.C., Progressive Education Society, Pune



Prof. Suresh V. Todkar
Jt. Secretary
Progressive Education Society

Chairman, LMC
Modern College, Pune-16



Prof. Shamkant Deshmukh
Secretary, Progressive Education Society, Pune



Dr. Prakash G. Dixit
Dy. Secretary
Progressive Education Society
Visitor
Modern College, Pune-16



Dr. Sanjay Kharat
Principal, Modern College, Ganeshkhind, Pune 16

Our Dynamic Leaders

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Progressive Education Society Profile

Progressive Education Society is one of the leading educational institutions in Maharashtra. It was founded by a dedicated and committed teacher Late Shankarrao Kanitkar along with his colleagues in 1934.

The Institution has evolved and made a mark in the arena of education all over Maharashtra due to the ceaseless efforts of the teaching and administrative staff and the foresight of the management. The Institutions run by P. E. Society are known for imparting quality education in their respective fields.

P. E. Society runs 58 educational institutions, which include Pre-Primary, Primary, Secondary, Higher Secondary Schools and General Education and Professional Colleges. The Institution has diversified into areas such as Law, Pharmacy, Management, Engineering, Special education, etc. Since 1985, P. E. Society has made rapid progress under the dynamic leadership of its Chairman Dr. G. R. Ekbote, a well known surgeon.

MODERN COLLEGE, GANESHKHIND, PUNE -16

Progressive Education Society's Modern College of Art, Science and Commerce, Ganeshkhind, Pune-411 016 was established in 1992 in the vicinity of Savitribai Phule University, with the objective of imparting quality education to students. It is permanently affiliated to the Savitribai Phule Pune University and offers various Under Graduate and Post Graduate courses under Arts, Commerce & Science disciplines. In a short span, the College has achieved laurels in academic, sports, research and extra curricular activities.

The College has been successful in keeping pace with the changing educational scenario, by introducing new career oriented courses. It has firmly established itself as 'Modern' and 'Progressive'. The college has highly qualified and experienced teaching staff, who consistently strive for allround development of the students. In the academic year 2016-2017, NAAC has reaccredited Modern College, Ganeshkhind with 'A' Grade. The college has obtained recognition under 2(F)12(B) of UGC, New Delhi. The college has achieved first position (Best College Category) awarded by Savitribai Phule Pune University for the year 2012-13. The college is now identified as DST-FIST sponsored college by DST Govt. of India. The College is awarded as DBT-STAR Status by DBT, Government of India. The College is also a recipient of 'Vanashree Award' for 2018-19 by Government of Maharashtra & also awarded as Best College by Indian Red Cross Society.

महाराष्ट्र शासन मान्यता क्रमांक:- एन.जी.सी.-३५९१/४३०९/वि.शि.२
Affiliated to Savitribai Phule Pune University: PUN / PN / ASC/ 089 (1992)
UGC - Recognition No.: 2 (f) 12(b) - F-8-290 /2009(CPP-I)

Salient Features

- Prime location (very close to Savitribai Phule Pune University and chaturshrungi Hills)
- Permanently Affiliated to Savitribai Phule Pune University
- Reaccredited by NAAC with A Grade
- DBT-Star status awarded by D.B.T. Government of India, New Delhi
- Well qualified and experienced faculty
- Healthy academic environment
- Well equipped Laboratories with internet connectivity
- E-learning facility
- Well stocked Library with Digital Library facilities and internet
- Spacious Reading Hall
- Adequate sports facilities, playground and facilities for indoor game
- Gymnasium for Staff and Students
- Active Placement Cell
- Computerized Administrative Office with co-operative staff
- Spacious well equipped audio-visual hall
- Beautiful green campus with well developed Botanical Garden
- Canteen facility and Spacious Parking
- Participation of students in cultural activities, group discussions, in-house interactions, various competitions, industrial visits, hands on trainings, summer training etc.
- High-Tech Computer Laboratory with latest computers configured with high speed hardware and latest versions of softwares.
- Language Laboratory
- Spoken English Course
- Workshop and Hands on Training
- Research facilities for students
- Public Address System
- Solar – Wind Hybrid Green Energy Generating Project
- Special focus on Industry-Institute Interface
- College Magazine 'Akanksha' was awarded 1st Prize by Savitribai Phule Pune University
- Yuva Saptah is the platform for students to express their innovativeness and creativity
- International /National/State level seminars, workshops & Conferences for continuous academic development of students and staff.
- Vividha exhibition for Entrepreneurship Development
- Soft Skill Development Programme
- Interactions : Inter Collegiate Competition
- Banking Club
- Farmers Club – Farm to Campus
- Modi Script Course
- Annual Book Exhibition
- In house Publications – Kaleidoscope, Commerce Horizonm Pramey, ODYSSEY
- Lit carnation – A Literary Carnival
- 'Trilingual Dialogue' for North-East State Students
- Tribal Handicraft Exhibition cum Sale
- Arts Circle
- Competitive Examination Cell
- Counseling Centre
- Bachelor of Vocation (B.Voc) Program as per NSQF aligned with NSDC program of HRD, Govt. of India
- Facilities for Differently –abled Students
- Disha Study Circle
- NGO Connect
- Geography Trekking Club
- Modernites –F-38148 (P) : A registered Alumni Association of the college, working with the mission of – A silent but powerful movement that transforms
- World Food Day

Modernites - F- 38148 (P): A registered alumini association of the college, working with the mission of - A silent but powerful movement that transforms.....

Principal's Address

It gives me immense pleasure to welcome all my dear students to the academic year 2020-21 filled with new insights, innovations, creativity and dedicated efforts to face exciting academic challenges. Modern College has been the gateway to learning, enriching young minds and nurturing them with knowledge and exploring brighter avenues to grow and excel intellectually, morally, socially and emotionally.

Presently, Modern College, Ganeshkhind, Pune is one of the popular colleges having blend of both rural and urban students of about 4500 strength with optimum infrastructure facilities and full of academic resources. National Assessment and Accreditation Council (NAAC) has rightly assessed and reaccredited college with 'A' grade in 2017. College is recipient of 'Best College Award of Savitribai Phule Pune University, DST-FIST and prestigious DBT STAR College Status from Govt. of India etc.

The college has teaching learning program which provides not only academic flexibility but also challenges in learning individual course subjects. We offer various traditional and Professional Graduate and Post Graduate Courses under Arts, Commerce and Science faculty.

Self financing, value added and Skill Development courses equip our students with advanced knowledge and skill set strengthening the survival in realistic world. Every Department of the college arrange co-curricular activities in innovative manner to gratify the learning process and enhance the knowledge of the respective subjects. Faculty keenly tries to promote Research and Entrepreneur culture.

Additional support for the under privileged students via remedial teaching, earn and learn scheme and counseling center.



Principal

Dr. Sanjay S. Kharat

M.Sc., Ph.D., LL.B., M.B.A

Wide range of extracurricular activities such as Swar-Madhuri, Indradhanu, Yuva Saptah, Akanksha : an yearly college publication, Shabdganbh, Art circle and Sport department are the platforms to enrich inherent qualities of the students. We make the students aware of their social responsibilities and sensitize consciousness of environment by encouraging participation in National Service Scheme.

Our College is a place for professional, cultural, moral and ethical grooming of the students.

The success of our students over the years has led us to widespread recognition. Our Alumni are working with leading industries and placed all over India and abroad. Few Students are national and international players well known artists and some students are pursuing their higher studies in eminent foreign universities. Our alumni students share their valuable suggestions and support us in organizing different activities for overall development of the college.

I again warmly welcome you to a friendly, caring, safe, modern and progressive environment.

Administrative Staff

PRINCIPAL:	: Dr. Sanjay Kharat
VICE-PRINCIPALS :	
Faculty of Arts	: Dr. Jyoti Gagangras
Faculty of Science	: Mrs. Swati Kandharkar
Faculty of Commerce	: Dr. Shubhangi Joshi
IQAC Coordinator	: Prof. Parag Shah
College Exam Officer	: Dr. Ravindra Kshirsagar
STAFF	
Superintendent	: Mr. Prakash D Renuse
Head Clerk	: Mrs. Bharti Bhosale
Sr. Clerk	: Mrs. Sunanda Masalkar Mr. Nitin Kakade Mr. Kashiram Kadam (Lab Asst.)
Jr. Clerks	: Mr. Mangesh Nalawade Mr. Mahesh Bandal Mrs. Smita Kadam Ms. Nutan Waghmare Mrs. Shubhangi Nawale Mrs. Purna Nevase Ms. Shivani Kengar Mrs. Reena Gujrathi Mr. Rahul Kamble Mr. Gajanan Vanarse

INFORMATION AUTHORITIES:

1. Prof. Shamkant Deshmukh (Appellate Authority)
2. Dr. Jyoti Gagangras (Information Officer)
3. Mr. Prakash Renuse (Assistant Information Officer)

Office Hours

Office Hours	
Monday to Friday	: 10.00 a.m. to 5.30 p.m
Saturday	: 10.00 a.m. to 1.00 p.m.
Cash Transactions	: 10.00 a.m. to 1.30 p.m.
Lunch break	: 1.30 p.m. to 2.00 p.m.
The office will remain closed on Sundays and Public Holidays	

Library Hours

Library Hours	
Issue/Return	
Arts and Commerce	: 9.00 a.m. to 1.00 p.m.
Science and Computer Science	: 1.30 p.m. to 5.00 p.m.
All P.G. Students	: 9.00 a.m. to 1.00 p.m. & 1.30 p.m. to 5.00 p.m.
Reading Hall	: 8.00 a.m. to 5.30 p.m.
Librarian	: Ms. Sangeeta Dhamdhare

Admission Procedure

Online Admissions : Information is available on college website – *www.moderncollegegk and college office*. Students need to purchase “Admission Guidelines / Prospectus from College office to get Unique Id to be entered in Online Admission.

- A student passing in all subjects at **S.Y. level**, but failing in any subject at **F.Y. level** and Physical Exam cannot be admitted to **T,Y. level** of U.G. courses of any faculty.
- Student migrating from another National/International University or board with **ATPT/ATKT shall not be eligible** for admission in next higher class of the course selected in SPPU, Pune.
- Students qualifying First Year Examination of the UG Program from any other university and having qualified 10 + 12 pattern Certificate Examination are eligible for seeking admission to Second /Third Year Degree Program of SPPU, Pune , if equivalence (Subject to final decision of Equivalence Committee of SPPU,, Pune) is Satisfactory.
- Students migrating from another university and admitted to Third Year of three years degree course of SPPU, Pune or second year of post graduation of SPPU, Pune **will get pass class only**.

GENERAL INSTRUCTIONS

IMPORTANT NOTE : B.A./B.Com/B.Sc.Courses) : Credit System is implemented along with Syllabus restructuring from the Academic Year 2019-20. Students are advised to go through SPPU website for details (www.unipune.ac.in)

M.A./M.Com./M.Sc Courses: The syllabus is restructured from the Academic Year 2019-20. Students are advised to go through SPPU website for details (www.unipune.ac.in)

1. Admission forms are available on College website – www.moderncollegegk.org.
 2. Students seeking admission should enter all the required information in the prescribed admission form and no column in the form should be left blank.
 3. Photocopies of the following documents self attested by the student should be submitted along with the print out of the duly filled online admission form.
 - [i] Statement of Marks (Last qualifying examination.)
 - [ii] Passing/Degree certificate (If statement of marks does not indicate clearly-class/percentage of mark obtained by the student in the relevant examination)
 - [iii] Migration certificate (Original) (if applicable). (Original will not be returned)
 - [iv] Leaving Certificate, Transfer certificate, (if applicable). (Original will not be returned)
 - [v] Written Statement regarding gap in education and/or change of name (in the original), (if applicable).
 - [vi] Copy of the admission letter issued by admission authority in case of centralized admission process by the college/university.
 4. Students must submit the Undertaking Form, duly filled and signed by him/her along with Admission Form.
 5. All the original documents except leaving certificate/transfer certificate/migration certificate/gap certificate, etc. will be returned to the concerned student after the same are scrutinized and verified by the college.
- NATURE OF SEATS**
- Other State:** Maximum 10% of the sanctioned intake capacity.
- NRI:** Maximum 10% of the sanctioned intake

capacity will be made through Savitribai Phule Pune University Student Center.

Foreign Students/Foreign Nationals/PIO: Maximum 15% over and above the sanction be made by International Student Center, Savitribai Phule Pune University.

Jammu & Kashmir Migrants: Two seats under supplementary quota above the sanctioned intake capacity.

Reservation: 52% seats of the overall sanctioned intake capacity are reserved for reserved category students from the Maharashtra State.

Reservation is applicable only for Maharashtra domicile SC, ST, DT, NT, OBC, SBC categories as per the Government of Maharashtra G.R. [The students migrating from other state will not be entitled to the concession/benefits available to the SC/ST/DT/NT/SBC & OBC student of the Maharashtra State.]

Reservation of differently-abled Candidates: Three percent seats of total sanctioned intake capacity shall be reserved for differently-abled

candidates. Out of these seats one percent each is sanctioned for visually-impaired, students with hearing and speech impediments and Orthopedic disorder.

Note:

1. Candidates who belong to Special Backward Class (SBC) will be offered reservation upto 2% seat of the seats available for Maharashtra candidates, no separate seats are earmarked.
2. Even if a candidate belongs to Backward Class category and secure admission against a seat that belong to General category by virtue of merit, such a candidate has to produce all the necessary documents in support of the category claimed at the time of admission.

For candidates who cancel their admissions before commencement of the course for the said academic year- his/her entire fee (after deduction of processing fee of not more than Rs. 1000/-) shall be refunded to the student.

If the student cancels his/her admission after the commencement of course following scheme will be adapted for the refund of total fees:

Cancellation of Admission and refund of fees:- (As per the order dated 24/03/2011. Ref. Number – PUS 7542 dated 17/02/2011)

No.	Time of Cancellation	Vacant seat has been filled by another candidate before last date - amount to be deducted
1.	From 1st day to 10th day (first day is inclusive) from the date of commencement of the course.	20% of the total fees
2.	From 11th to 30th day from the date of commencement (First day is inclusive) of the course.	40% of the total fees
3.	After 30 days (First day is Inclusive)	100% of the total fees

Mode of Fee Payment:

Online payment using credit/debit card or net banking.

Demand Draft drawn in favor of “The Principal, Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16”.

Bank Challan:

Granted Courses: Bank of Maharashtra, Senapati Bapat Road, Pune 16.

Non Grant Courses: The Cosmos Cooperative Bank Ltd., University Road Branch, Pune 7.

Note: Any one of the mode can be selected for payment of fees.

Scholarships / Freeships

शिष्यवृत्ती / फ्री सवलत

अनु. क्र.	शिष्यवृत्तीचे / फ्रीशिपचे नाव	अटी व शर्ती	शेरा
१.	भारत सरकारची शिष्यवृत्ती GOI Scholarship	<p>फक्त मागासवर्गीय विद्यार्थ्यांसाठी (S.C. / S.T. / N.T.D.T./ V.J./ O.B.C. & S.B.C.) ज्या विद्यार्थ्यांच्या पालकांचे (आई-वडिलांचे) मागील आर्थिक वर्षाचे वार्षिक उत्पन्न S.C. / S.T. साठी रु. २,५०,०००/- पेक्षा कमी आणि N.T.D.T./V.J./ O.B.C. & S.B.C. या संवर्गासाठी रु. १,००,०००/- पेक्षा कमी आहे असेच विद्यार्थी सदरील शिष्यवृत्तीसाठी अर्ज करू शकतात.</p> <ol style="list-style-type: none"> १. विद्यार्थ्यांचा जातीचा दाखला २. विद्यार्थ्यांचा शाळा सोडल्याचा दाखला ३. विद्यार्थ्यांचे गतवर्षाचे गुणपत्रक (मार्कलिस्ट) ४. विद्यार्थ्यांच्या पालकांचा मागील वर्षाचा उत्पन्नाचा दाखला (तहसीलदारांचा) आणि ५. डोमिसाईल प्रमाणपत्र ६. S.C. / S.T. संवर्ग सोडून इतर सर्व संवर्गासाठी नॉनक्रिमीलअर सर्टिफिकेट ७. शैक्षणिक खंड असल्यास गॅप ऑफिडेव्हीट ८. विद्यार्थ्यांचे स्वताचे आधारलिक बँकेत असणे आवश्यक आहे. शासकिय महाविद्यातील उपस्थिती 75% पेक्षा जास्त असणे आवश्यक आहे. ९. शासकिय वसतिगृहात राहत असल्यास त्या वसतिगृहाचे प्रमाणपत्र. (राहण्याची व जेवणाची सोय हवी.) <p>व्यावसायिक अभ्यासक्रमांसाठी फक्त S.C. व S.T. या वर्गातील विद्यार्थ्यांनाच समाजकल्याण विभागाकडून शिष्यवृत्तीचा लाभ मिळतो</p>	<p>सदरील शिष्यवृत्तीचे अर्ज ऑनलाईन भरावे लागतील. www.mahadbtmahait.gov.in/escholarship/login.aspx CBSE/ICSE</p>
२.	स्कॉलरशीप फॉर टेलन्ट डेव्हलपमेंट इन मॅथमॅटिक्स अँड फिजिक्स	<p>सदरील शिष्यवृत्ती फक्त F. Y. B.Sc. च्या विद्यार्थ्यांसाठी असते. गणित व भौतिकशास्त्र या विषयात किमान ६०% गुण असणे आवश्यक आहे आणि तेच विषय घेऊन पदवी पूर्ण करावी लागेल. इ. १२ वी च्या गुणपत्रकाची झेरॉक्स प्रत जोडावी.</p>	
३.	सेंट्रल सेक्टर शिष्यवृत्ती Central Sector Scholarship	<p>अर्जदार भारतीय नागरिक व महाराष्ट्र राज्याचा रहिवासी असावा. पालकांचे वार्षिक उत्पन्न ४.५० लाखापेक्षा जास्त नसावे. इ. १२ वी मध्ये किमान ८० टक्के गुण असावेत. अर्जदार इतर कोणत्याही शिष्यवृत्ती योजनेचा / स्टायपेंड योजनेचा लाभार्थी नसावा. केंद्र शासनाच्या नियमाप्रमाणे अर्जदार नॉन-क्रिमिलेअर वर्गात बसणारा असावा.</p>	<p>National Scholarship Portal या संकेतस्थळावर सदरील अर्ज उपलब्ध आहे.</p>

FEE CONCESSIONS

Fee concession to students are available as per the rules and regulations of Govt. of Maharashtra.

Note: For claiming all types of State and Central Government scholarships a student has to fill the online application form (website - www.mahadbjmahait.gov.in link e-scholarship)

After filling the online application form, the student has to submit the hard copy to the office and get an acknowledgment. Students are advised to check the Scholarship notice board regarding details of various scholarships from time to time.

Scholarships / Freeships

अनु. क्र.	शिष्यवृत्तीचे/फ्रीशिपचे नाव	अटी व शर्ती	शेरा
४.	राज्य सरकारची नादारी B. C. Freeship	<p>फक्त मागासवर्गीय विद्यार्थ्यांसाठी (S.C. / S.T. / N.T.D.T./ V.J./ O.B.C. & S.B.C.) ज्या विद्यार्थ्यांच्या पालकांचे (आई-वडिलांचे) मागील आर्थिक वर्षाचे वार्षिक उत्पन्न S.C. / S.T. रु. २,५०,०००/- पेक्षा जास्त आणि N.T.D.T./V.J./ O.B.C. & S.B.C. या संवर्गासाठी रु. १,००,०००/- जास्त असेल असेच विद्यार्थी (Freeship) नादारीसाठी अर्ज करू शकतात.</p> <ol style="list-style-type: none"> विद्यार्थ्यांचा जातीचा दाखला विद्यार्थ्यांचा शाळा सोडल्याचा दाखला विद्यार्थ्यांचे गतवर्षाचे गुणपत्रक (मार्कलिस्ट) विद्यार्थ्यांच्या पालकांचा मागील वर्षाचा तहशीलदाराचा उत्पन्नाचा दाखला Validity -Compulsory S.C. / S.T. संवर्ग सोडून इतर सर्व संवर्गासाठी नॉनक्रिमीलेअर सर्टिफिकेट शैक्षणिक खंड असल्यास गॅप ऑफिडेव्हीट व्यावसायिक अभ्यासक्रमांसाठी फक्त S.C. व S.T. या वर्गातील विद्यार्थ्यांनाच समाजकल्याण विभागाकडून शिष्यवृत्तीचा लाभ मिळतो. B.Sc. Comp., BCA, BBA (CA), M. Sc., (Comp. Sci.) मिळत नाही. 	<p>सदरील शिष्यवृत्तीचे अर्ज ऑनलाईन भरावे लागतील. www.mahadbtmahait.gov.in/escholarship/login.aspxCBSE/ICSE</p> <p>शासकिय महाविद्यातील उपस्थिती 75% पेक्षा जास्त असावी.</p>
५.	राजश्री छत्रपती शाहू महाराज शिक्षण शुल्क शिष्यवृत्ती योजना (फक्त खुल्या गटांसाठी)	<ol style="list-style-type: none"> डोमिसाईल प्रमाणपत्र उत्पन्न दाखला (तहशीलदारांचा) रेशन कार्ड हमी पत्र शाळा सोडल्याचा दाखला आई वडील व स्वता:चे आधार कार्ड विद्यार्थ्यांचे स्वता:चे आधारलिक खाते बँकेत असणे आवश्यक आहे. कुटूंबातील फक्त पहिल्या दोन मुलांना लाभ घेता येईल. 	<p>ऑनलाईन पद्धतीने अर्ज भरावे लागतील www.mahadbtmahait.gov.in विद्यार्थ्यांचे बँक अकाउंट नंबर आधार नंबरशी जोडणे आवश्यक. मोबाइलला नंबर सुद्धा आधारला लिक असावा.</p>
६.	अपंग शिष्यवृत्ती Physically Handicapped Sch.	<p>अर्जासोबत वैद्यकीय दाखला - सिव्हील सर्जन किंवा अर्थोपेडिक यांचे सही-शिकव्याचा असावा. अर्जदार विद्यार्थी मुकबधिर असेल तर वैद्यकीय दाखला इ.एन.टी. स्पेशलिस्ट डॉक्टरांचे सही-शिकव्याचा असावा. अर्जदार विद्यार्थी अंध असेल तर वैद्यकीय दाखला आय स्पेशलिस्ट सर्जन/ सिव्हील सर्जनचे सही-शिकव्याचा असावा. अर्जासोबत मागील वर्षाचा उत्पन्नाचा दाखला जोडावा. अर्जासोबत पूर्ण फोटो जोडावा. लगतच्या वार्षिक परीक्षेत विद्यार्थ्यांस शेकडा ४०% गुण मिळणे आवश्यक आहे.</p>	
७.	एकलव्य शिष्यवृत्ती Eklavya Scholarship	<p>ही शिष्यवृत्ती फक्त पदव्युत्तर अभ्यासक्रमासाठी आहे. विद्यार्थ्यांचे पालक भारताचे नागरिक असावे. विद्यार्थ्यांचे पालक महाराष्ट्र राज्याचे रहिवासी असावे. पालकांचे मागील आर्थिक वर्षाचे उत्पन्न रु. १००,०००/- असावे.</p>	

Scholarships / Freeships

अनु. क्र.	शिष्यवृत्तीचे/ फ्रीशिपचे नाव	अटी व शर्ती	शेरा
		मागील वर्षात T.Y.B.A. व T.Y.B.Com. मध्ये ६० टक्के आणि T.Y.B.SC. मध्ये ७० टक्के गुण असणे आवश्यक नूतनीकरणाकरीता किमान ७५ टक्के उपस्थिती व पहिल्या वर्षी सर्व विषयात उत्तीर्ण होवून किमान ५० टक्के गुण आवश्यक आहेत.	
८.	आर्थिकदृष्ट्या मागासलेल्या वर्गातील गरीब, गुणवत्ताधारक विद्यार्थ्यांना अर्थसहाय्य	अर्जदार भारतीय नागरिक व महाराष्ट्र राज्याचा रहिवासी असावा. अर्जदार इतर कोणत्याही शिष्यवृत्ती योजनेचा/स्टायपेंड योजनेचा लाभार्थी नसावा. विद्यार्थ्यांच्या कुटुंबातील सर्व कमावत्या सदस्यांचे (आईवडील व इतर) वार्षिक उत्पन्न रु.१.५ लाखापेक्षा जास्त नसावे. मागील परीक्षेत कमीत कमी ६५ टक्के गुण असावे. रु. २०/- च्या स्टॅम्पपेपर हमीपत्र.	
९.	अल्पसंख्याक समाजातील गुणवत्ताधारक विद्यार्थ्यांना केंद्र शासनाची मॅट्रिकोत्तर शिष्यवृत्ती योजना Minority Scholarship	मुस्लिम, ख्रिश्चन, शीख, बौद्ध, पारशी समाजातील विद्यार्थ्यांचा या शिष्यवृत्तीसाठी अर्ज करू शकता. अर्जदार भारतीय नागरिक व महाराष्ट्र राज्याचा रहिवासी असावा. किमान ५० टक्के गुण प्राप्त झालेला विद्यार्थी पात्र राहिल. अर्जदार इतर कोणत्याही शिष्यवृत्ती योजनेचा/स्टायपेंड योजनेचा लाभार्थी नसावा. अर्जदाराच्या पालकांचे एकत्रित वार्षिक उत्पन्न रुपये २ लाखापेक्षा जास्त नसावे. अल्पसंख्याक कुटुंबातील फक्त दोन अपत्यांनाच सदर योजनेचा लाभ देण्यात येईल.	www.dirhe.org.in/pms या संकेतस्थळावर सदरील अर्ज उपलब्ध आहे. National scholarship portal या ठिकाणी अर्ज भरावा.
१०.	क्रांतीज्योती सावित्रीमाता फुले शिष्यवृत्ती, पुणे विद्यापीठ, पुणे	ही शिष्यवृत्ती पदवी व पदव्युत्तर अभ्यासासाठी प्रवेश घेतलेल्या फक्त विद्यार्थिनींसाठी आहे. या शिष्यवृत्तीसाठी अर्ज करणाऱ्या विद्यार्थिनीला इतर कोणत्याही शिष्यवृत्तीसाठी अर्ज करता येणार नाही. मागील परीक्षेत कमीत कमी ५० टक्के गुण असावे. मागील वर्षाचे वार्षिक उत्पन्न रु.१,५०,०००/- पर्यंत असावे.	www.unipune.ernet.in या संकेतस्थळावर सदरील अर्ज उपलब्ध आहे.
११	सावित्रीबाई फुले पुणे विद्यापीठ गुणवंत विद्यार्थी शिष्यवृत्ती योजना	१. सदर योजनेचा लाभ घेण्यासाठी विद्यार्थ्यांनी मागील लगतच्या परीक्षेत किमान ७०% गुण संपादित केलेले असावे. २. सर्व अव्यवसायिक अभ्यासक्रमातील विद्यार्थ्यांना गुणवत्तेनुसार शिष्यवृत्तीसाठी विचार केला जाईल. व्यवसायिक अभ्यासक्रमासाठी विद्यार्थ्यांची नोंदणी नसावी. ३. पदव्युत्तर अभ्यासक्रमास प्रवेश घेतलेल्या जास्तीत जास्त ८०० आणि पदवी अभ्यासक्रमासाठी जास्तीत जास्त १२०० विद्यार्थ्यांचे अर्ज शिष्यवृत्तीसाठी विचारत घेतले जातील. ४. पदव्युत्तर अभ्यासक्रमासाठी रु १८,०००/- व पदवी अभ्यासक्रमासाठी रु १२,०००/- शिष्यवृत्ती देण्यात येईल. ५. पात्र विद्यार्थ्यांचे वय पदवी अभ्यासक्रमाकरिता २३ व पदव्युत्तर अभ्यासक्रमाकरिता २५ पेक्षा जास्त नसावे. ६. विद्यार्थ्यांची नियमित अभ्यासक्रमात किमान ७५% उपस्थिती असणे आवश्यक राहिल, या संदर्भात प्राचार्यांनी दखल देणे आवश्यक राहिल. ७. महाविद्यालय/विद्यापीठ शैक्षणिक विभागामध्ये विद्यार्थ्यांनी नियमित अभ्यासक्रमास प्रवेश घेतलेला असावा. ८. विद्यार्थ्यांस गैरशिस्त/नैतिकता/परीक्षेतील गैरप्रकार इ. बाबत शिक्षा झालेली नसावी. ९. विद्यार्थ्यांनी त्यांच्या बँक खात्याची संपूर्ण माहिती देणे आवश्यक आहे, उदा. बँकेचे नाव, पत्ता, खाते क्रमांक (एमआयसीआर कोड आणि आयएफ एससी कोड). १०. विद्यार्थ्यांनी भारतीय नागरिक असावा. त्यासाठी नागरिकत्वाचा साक्षात्कृत दाखला जोडणे आवश्यक राहिल ११. संबधित महाविद्यालयाचे प्राचार्य हे विद्यापीठाचे मान्यनाप्राप्त किंवा प्रभारी प्राचार्य म्हणून मान्यताप्राप्त असावेत.	

अनु. क्र.	शिष्यवृत्तीचे/फ्रिशीपचे नाव	अटी व शर्ती	शेरा
		१२.विद्यार्थ्यांनि आणि संबंधित प्राचार्यांनी एकत्रित हमीपत्र भरून देणे आवश्यक राहिल.	
१२	आर्थिक दुर्बल घटक अर्थसहाय्य	<p>* आर्थिक दुर्बल घटकातील गुणवन्ताधारक गरजू विद्यार्थी शिक्षणापासून वंचित राहू नये म्हणून सावित्रीबाई फुले पुणे विद्यापीठाने महाविद्यालयांने / विद्यापीठ विभागामध्ये अव्यवसायिक अभ्यासक्रमास शिक्षण घेत असलेल्या विद्यार्थ्यांसाठी आर्थिक घटक अर्थसहाय्य योजना कार्यान्वित केलेला आहे.</p> <ol style="list-style-type: none"> १. विद्यार्थ्यांच्या पालकांचे (कुटुंबातील सर्व सदस्यांचे एकत्रित) वार्षिक उत्पन्न रु. २,५०,०००/- पेक्षा जास्त नसावे, यासाठी संबंधित तहसिलदारांचा दाखला आवश्यक राहिल. २. महाविद्यालये/विद्यापीठ शैक्षणिक अव्यवसायिक पदवी अभ्यासक्रमास शिक्षण घेत असलेल्या घेत असलेल्या जास्तीत जास्त २० व अव्यवसायिक पदव्युत्तर अभ्यासक्रमास जास्तीत जास्त १० विद्यार्थ्यां सदर योजनेसाठी पात्र राहतील. ३. पात्र विद्यार्थ्यांस पदवी अभ्यासक्रमासाठी रु. ३,०००/- व पदव्युत्तर अभ्यासक्रमासाठी रु. ६,०००/- असे आर्थिक सहाय्य देण्यात येईल. ४. विद्यार्थ्यांनि मागील लगतच्या परीक्षेत किमान ६५% गुण संपादित केलेले असावेत. ५. महाविद्यालय/विद्यापीठ शैक्षणिक विभागामध्ये नियमित अभ्यासक्रमास प्रवेश घेतलेला असावा. ६. विद्यार्थ्यांची नियमित अभ्यासक्रमात किमान ७५% उपस्थिती असणे आवश्यक राहिल या संदर्भात प्राचार्यांनी दाखला देणे आवश्यक राहिल. ७. विद्यार्थ्यांस या योजनेच्या कालावधीत कोणतीही पगारी नोकरी स्विकारता येणार नाही. ८. व्यवसायिक अभ्यासक्रमासाठी विद्यार्थ्यांची नोंदणी नसावी. ९. विद्यार्थ्यांस गैरशिस्त/नैतिकता/परीक्षेतील. इ. बाबत शिक्षा गालेली नसावी. १०. विद्यार्थ्यांभारतीय नागरिक असावा. त्यासाठी नागरिकत्वाचा साक्षात्कृत दाखला जोडणे आवश्यक राहिल. ११. विद्यार्थ्यांनि त्यांच्या बक खात्याची संपूर्ण माहिती देणे आवश्यक आहे, उदा. बकेचे नाव, पत्ता खाते क्रमांक (एमआयसीआर कोड आणि आयएफ एससी कोड). १२. संबंधित महाविद्यालयाचे प्राचार्य हे विद्यापीठाचे मान्यनाप्राप्त किंवा प्रभारी प्राचार्य म्हणून मान्यताप्राप्त असावेत. १३. विद्यार्थ्यांनि आणि संबंधित प्राचार्यांनी एकत्रित हमीपत्र भरून देणे आवश्यक राहिल. १४. सदरचे अर्थसहाय्य पात्र विद्यार्थ्यांस संपूर्ण अभ्यासक्रमात एकदाच देण्यात येईल. 	
१३	राजर्षी शाहू महाराज शिष्यवृत्ती	<ol style="list-style-type: none"> १. सदरची योजना फक्त मागासवर्गीय विद्यार्थ्यांना लागू होणार आहे. २. सदरच्या योजनेसाठी उत्पन्नाची कोणतीही अट राहणार नाही केवळ गुणवन्ता हाच निकष राहिल. ३. मागील लगतच्या परीक्षेत मागासवर्गीय विद्यार्थ्यांची किमान ६०% गुण संपादित केलेले असावेत. ४. महाविद्यालय / विद्यापीठात शैक्षणिक विभागामध्ये विद्यार्थ्यांनि नियमित अभ्यासक्रमास प्रवेश घेतलेला असावा. ५. विद्यार्थ्यांनी नियमित अभ्यासक्रमात किमान ७५% उपस्थिती असणे आवश्यक राहिल या संदर्भात प्राचार्यांनी दाखला देणे आवश्यक राहिल. ६. सदर शिष्यवृत्तीचा एकूण २००० मागासवर्गीय विद्यार्थ्यांना लाभ मिळणार असून त्यापैकी ३६% विद्यार्थ्यांना गुणवन्तेनुसार (मागासवर्गीय प्रवर्गातील सर्व विद्यार्थ्यांना त्या प्रवर्गासाठी शासनाने विहित केलेल्या आरक्षणाच्या टक्केवारीनुसार शिष्यवृत्ती लाभ दिला जाईल. ७. पदव्युत्तर अभ्यासक्रमास प्रवेश घेतलेल्या जास्तीत जास्त ८०० आणि पदवी अभ्यासक्रमासाठी जास्तीत जास्त १२०० विद्यार्थ्यांचे अर्ज शिष्यवृत्तीसाठी विचारात घेतले जातील. ८. पात्र विद्यार्थ्यांस पदव्युत्तर अभ्यासक्रमासाठी रु. १८,०००/- व पदवी अभ्यासक्रमासाठी रु. १२,०००/- असे आर्थिक सहाय्य देण्यात येईल. ९. सर्व अव्यवसायिक अभ्यासक्रमातील विद्यार्थ्यांचा गुणवन्तेनुसार शिष्यवृत्तीसाठी विचार केला जाईल. भारत सरकार शिष्यवृत्तीधारक विद्यार्थी सदर शिष्यवृत्तीसाठी पात्र नसेल. १०. विद्यार्थ्यांस गैरशिस्त/नैतिकता/परीक्षेतील गैरप्रकार इ. बाबत शिक्षा गालेली नसावी. ११. विद्यार्थ्यांनि त्यांच्या बक खात्याची संपूर्ण माहिती देणे आवश्यक आहे, उदा. बकेचे नाव पत्ता खाते क्रमांक (एमआयसीआर कोड आणि आयएफ एससी कोड). १२. संबंधित महाविद्यालयाचे प्राचार्य हे विद्यापीठाचे मान्यताप्राप्त किंवा प्रभारी प्राचार्य म्हणून मान्यताप्राप्त असावेत. १३. सदरचे अर्थसहाय्य पात्र विद्यार्थ्यांस संपूर्ण अभ्यासक्रमात एकदाच येईल. १४. पात्र विद्यार्थ्यांचे वय पदवी अभ्यासक्रमाकरिता २५ व पदव्युत्तर अभ्यासक्रमाकरिता ३० पेक्षा जास्त नसावे. १५. विद्यार्थ्यांनि आणि संबंधित प्राचार्यांनी एकत्रित हमीपत्र भरून देणे आवश्यक राहिल. 	

Scholarships offered by the College

1	Modern College of Arts, Science & Commerce, Ganeshkhind, Pune - 16. Endowment Prize	Awarded to the students standing 1 st in first year & second year of BA., B.Com., B.Sc., B.Sc (Comp.Sc.), B.Sc. (Microbiology) & M.Sc. (Biotechnology)
2	Sports Scholarship	Awarded to the students who have won medals at All India Inter University tournament.

Scholarships offered by alumni under Modernites Alumni Association

Sr.No	Name of Scholarship	Details
1	Gollapudy Scholarship I(I) Sponsored by Mr. Sandeep Gollapudy in the memory of his father Ramesh Gollapudy.	Any commerce student who is economically backward and secured at least 60% marks in previous examination
2	Gollapudy Scholarship I(II) Sponsored by Mr. Sandeep Gollapudy in the memory of his mother Laxmibai Gollapudy.	Any student of Arts, Commerce and Science who is economically backward and secured at least 60%marks in previous examination
3	Atal Scholarship Sponsored by Mr. Anand Parchure with the intension to sponsor the scholarship in lifelong.	Any five students of Arts, Commerce and Science who are economically backward and secured at least 60% marks in previous examination
4	Rani Laxmibai Shisyavruttee Sponsored by Mr. Anand Parchure for women empowerment.	Any three female students of Arts, Commerce and Science, who have secured at least 60%marks in previous examinations out of which one scholarship will be given to female student who is having her own business.
5	Tapkir Scholarship Sponsored by Mrs. Vanita Kunjir in the memory of her father Mr. Shankar Tapkir	Any four commerce student who are economically backward and secured at least 60% marks in previous examination
6	Nisal Scholarship Sponsored by Mr. Amey Nisal	Any commerce student who is economically backward and secured at least 60%marks in previous examination and preparing for any of the competitive examinations

Aadhar Card: As per the ambitious "Direct Cash Transfer" project by Central Government, **Aadhar Card UID No.** is compulsory for all the students seeking financial assistance from Government. Without an UID No. a student is not entitled to get the benefits of Govt. scholarships, freeships, etc.

International Students' Admission

Online Admissions of International Students are coordinated through a nodal agency, i.e International center of Savitribai Phule Pune University (SPPU).

International Students are advised to visit SPPU, Pune Website: www.unipune.ac.in

PG Courses : Important Academic Note

1 In pursuance of the decision to implement credit system at the post graduate level and ensure continuous assessment, the SPPU has decided to implement the credit & semester system (CSS) in all affiliated colleges and recognized institutions where post graduate courses are conducted.

2. Conduct of the Credit and Semester System in PG Centers

2.1 The Post-graduate degree will be awarded to students who obtain minimum number of credit as mentioned in table below:

Sr. No.	Name of the Faculty	Total Credits	Average credits per semester
1.	Faculty of Science, Engineering, Pharmacy. Management, Technology.	80	20
2.	Faculty of Arts, Fine Arts, Social Sciences, Commerce, Education, Physical Education, Law	64	16/32

MA/M.Com/M.Sc Courses Syllabus restructured from the Academic Year 2019-20

Except practical credits wherever applicable, students may be allowed to obtain less courses per semester on a condition that they complete the degree in a maximum of four years. This facility will be available subject to the availability of concerned courses in a given semester and with a maximum variation of 25% credits (in case of fresh credits) per semester.

2.2 The proportion of Laboratory courses shall be around 40% of total credits. Project work, if included, shall consist of NOT more than 10% of total credits in Science and 05% of total credits in non-Science degree programmes.

2.3 One credit will be equivalent to 15 clock hours of teacher- student contact per semester. There will be no mid-way change allowed from CSS to non-credit (external) system or vice versa.

3. Examination Rules:

3.1 Assessment shall consist of **a)** In-semester continuous assessment (CA) **b)** end-semester assessment, both shall have an equal weight age of 50% each.

3.2 The teacher concerned shall announce the unit for which each in-semester assessment

will take place. However, the end-semester assessment shall cover the entire syllabus prescribed for course.

3.3 CA in-semester assessment of 50% marks will be continuous and at least two tests should be conducted for full course of 4/5 credits and in addition to it at least two following mechanisms:

- i. Written Test and/or Mid Term Test (not more than one or two for each course)
- ii. Term paper,
- iii. Journal/Lecture/Library notes,
- iv. Seminar presentation,
- v. Short Quizzes,
- vi. Assignments,
- vii. Extension work,
- viii. An Open Book Test (books to be decided by the concerned teacher).
- ix. Mini Research Project by individual student or group of students.

3.4 End semester and examination for remaining 50% marks will be conducted by the SPPU.

3.5 The student has to obtain 40% marks in the combined examination of In Semester assessment and Semester-End assessment with a minimum passing of 30% in both

these separately.

- 3.6 To pass the degree course, a student shall have to get minimum aggregate 40% marks in each course.
- 3.7 If a student misses an internal assessment examination he/she will have a second chance with the permission of the Principal in consultation with the concerned teacher. Such a second chance shall not be the right of the student.
- 3.8 Internal marks will not change. A student cannot repeat Internal Assessment. In case she/he wants to repeat internal assessment she/he can do only by registering for the said courses during the 5th/6th semester and onwards up to 8th semester.
- 3.9 Students who have failed semester-end exam may reappear for the semester -end examination only twice in subsequent period. The student will be finally declared as failed if she/he does not earn minimum number of credits within a total period of four years (for 2 Yrs. P.G. Program) Five years (for 3 yrs. P. G. Program). After that, such students will have to seek fresh admission as per the admission rules prevailing at that time.

3.10 A Student cannot register for the third

semester, if she/he fails to complete 50% credits of the total credits expected to be ordinarily completed within two semesters.

- 3.11 There shall be Revaluation of the answer sheets of Semester-End examination but not of internal continues assessment papers as per Ordinance No.134A&B.
- 3.12 While marks will be given for all examinations, they will be converted into grades. The semester end grade sheets will have only grades and final grade sheets and transcripts shall have grade points average and total percentage of marks (up to two decimal points). The final grade sheet will also indicate the PG Center to which the candidate belongs.
4. Assessment and Grade point average:

4.1 The system of evaluation will be as follows : Each assignment/test will be evaluated in terms of grades. The grades for separate assignments and the final (semester-end)examination will be added together and then converted into a grade and later a grade point average. Results will be declared for each semester and the final examination will give total grades and grade point average.

Marks/ Grade/Grade Point w.e.f. AY 2015-16		
Marks	Grade	Grade Point
80-100	O: Outstanding	10
70-79	A+ : Excellent	9
60-69	A: Very Good	8
55-59	B+: Good	7
50-54	B: Above Average	6
45-49	C: Average	5
40-44	P: Pass	4
0-39	F:Fail	0
	Ab: Absent	0

Final Grade W.e.ef. the AY 2015-16 (10Point Scale):	
Grade Point Average	Grade
09.00 - 10.00	O
08.50 - 09.00	A+
07.50 - 08.40	A
06.50 - 07.49	B+
05.50 - 06.49	B
04.25 - 05.49	C
04.00 - 04.24	P
00.00 - 03.99	F
Remark: B+ is equivalent to 55% marks and B is equivalent to 50% marks.	

5. Important: Compulsory Credits

A student will have to earn minimum 75% compulsory credits incorporated in the syllabus structure of the course chosen from parent department. The remaining 25% credits can be earned from courses offered by parent department or other Department /subjects with credit system structure. As per the Savitribai Phule Pune University guidelines, to complete the remaining 25% credits following 10 credits are compulsory.

Note: Among the three courses under Human Rights Education Programme, (HRE 101 introduction to Human rights and Duties) is the compulsory Course. In other two courses (HRE 102:Human Rights of Vulnerable and Disadvantaged Groups and HRE 103: Human Rights and Duties in India :Law ,Policy, Society and Enforcement Mechanism)students are free to select any one paper as per the decision of the head of the institution. Human rights programme is Self Study programme. Study material is available on university website.

		Human Rights	Introduction to Cyber security/ information security	Skill Development	Total Credits
First Year	Semester I	1 credit	1 credit	-	2 credits
	Semester II	1 credit	1 credit	-	2 credits
Second year	Semester III	-	1 credit	2 credits	3 credits
	Semester IV	-	1 credit	2 credits	3 credits
Total Credits		2 credits	4 credits	4 credits	10 credits

6. Human Organ Donor

As per the Government of Maharashtra Public Health Department Notification and Savitribai Phule Pune University, Pune, Circular, students seeking admission to Post Graduate Courses of our College are encouraged to donate cadaver organs. Students will have to fill and submit the declaration form alongwith admission form. Organ donation pledge will be incorporated on interested students identity card.

Academic Calendar 2020-21 (First Half)

	FIRST WEEK	SECOND WEEK	THIRD WEEK	FOURTH WEEK
JUNE	1. Printing of Brochures		1. Admission Committee Meeting	
JULY	1. TY Class Admission 2. Time Table Committee meeting	1. TY Admission 2. PG Second Year Admissions	1. Online Staff Meeting 2. SY Admission 3. PG Second Year Admissions	1. SY Admission 2. Inauguration of Staff Academy
AUGUST	1. Commencement of SY / TY / PG Second Year Online Teaching	1. Admissions of PG Classes 2. Independence Day (15th August)	1. Declaration of Merit list of PG (Science) Courses 2. Admissions of PG Classes	1. Commencement of PG First Year Classes
SEPTEMBER	1. World Population Day Program 2. Induction Programme for FY Students 3. Parent's Meet	1. Filling up Scholarship & Free Ship Forms 2. Inauguration of EDC 3. Suicide Prevention Awareness Programme	1. Spoken English (Value Added Course) 2. Rashtra Bhasha Din (Hindi Day)	1. Gender Sensitization Programme 2. Science Association Inauguration 3. NIRF Registration
OCTOBER	1. Mahatma Gandhi Jayanti 2. Placement Cell Activity	1. Internal Evaluation Credit Pattern	1. Preparation of AQAR 2019-20	1. Dead stock verification 2. Preparation of AQAR
NOVEMBER	1. Release of Kaleidoscope 2. Term End exam 2013 pattern 3. Preparation of AQAR	Diwali Vacation	Diwali Vacation	Diwali Vacation

Academic Calendar 2020-21 (Second Half)

	FIRST WEEK	SECOND WEEK	THIRD WEEK	FOURTH WEEK
JANUARY	<ol style="list-style-type: none"> 1. University Examination 2. Submission of AISHE data 3. Savitribai Phule Jayanti 	<ol style="list-style-type: none"> 1. Celebration of Vivekananda Jayanti 2. University Examination 	<ol style="list-style-type: none"> 1. University Examination 	<ol style="list-style-type: none"> 1. Celebration of Kanitkar Day(25th Jan) 2. Republic Day Flag Hoisting (26th Jan) 3. Prize Distribution
FEBRUARY	<ol style="list-style-type: none"> 1. Gender Sensitization Programme 	<ol style="list-style-type: none"> 1. Geo Carnival 	<ol style="list-style-type: none"> 1. Release of ODYSSEY 	
MARCH	<ol style="list-style-type: none"> 1. Study Tours 			<ol style="list-style-type: none"> 1. Marathi Rashtra Bhasha Din
APRIL		<ol style="list-style-type: none"> 1. Mahatma Phule Jayanti 2. Dr. Babasaheb Ambedkar Jayanti 		
MAY	Internal Evaluation Credit Pattern	Internal Evaluation Credit Pattern	Internal Evaluation Credit Pattern	
JUNE	<ol style="list-style-type: none"> 1. University UG Examination 2. Planning of Committees for next Academic Year 	<ol style="list-style-type: none"> 1. University UG Examination 2. Printing of Prospectus, Admission forms 3. Submission of Departmental and Committee reports to Central 		<ol style="list-style-type: none"> 1. MA/M.Com Project ,Viva 2. Year End Meeting & Distribution of Committee Work & College 3. Assessment of workload for advertisement for new posts 4. University PG Examinations

Courses Offered

UNDER GRADUATE COURSES

1. B.A. (Economics, English, Geography, History, Psychology, Sociology)
2. B.Com (Business Entrepreneurship/Cost & Work Accounting / Marketing Management / Banking & Finance)
3. B.Sc. (Microbiology/ Chemistry/ Physics/ Botany / Zoology/Mathematics)
4. B.Sc. (Computer Science)
5. B. Sc. (Biotechnology)
6. B.B.A. (C.A.)
7. B. Voc (Green House Technology and Food Processing)
8. B.C.A. (Science)
9. B.Sc (Statistics)

POST GRADUATE COURSES

1. M. Sc. (Computer Science)
2. M. Sc. (Microbiology)
3. M. Sc. (Organic Chemistry)
4. M. Sc. (Biotechnology)
5. M. Sc. (Zoology)
6. M.Sc. Mathematics
7. M.Sc. (Computer Applications)
8. M. Com. (Advanced Accounting/Business Administration)
9. M.A. (Economics)
10. M.A. (Sociology)
11. M.A. (History)
12. MA (Psychology)
13. M Phil (Microbiology)
14. Ph.D (Microbiology)
15. M.Phil. (Zoology)
16. Ph.D. (Zoology)
17. Ph.D (Biotechnology)
18. M.Phil (Chemistry)

Note : Regarding the details of the eligibility conditions for above courses, students are advised to visit the Savitribai Phule Pune University website: www.unipune.ac.in

Value added Autonomous courses designed by every department in consultation with industry requirement

Important Academic Note : The detail syllabus for all above U.G. & P.G. courses is available on University website www.unipune.ac.in and college website - www.moderncollegegk.org.

Important Note :

For change in the Subject : If the Candidate wants to change the subject it should be done within 10 days after taking admission to respective class or prescribed date whichever is earlier.

Skill Development Courses offered by the College

No.	Course Name	Course Co-Ordinator	Name of the Department
Arts Faculty			
1	Basics of Business Communication	Dr. Shampa Chakravorthy	English
2	Marathi D.T.P.	Dr. Sanskriti Awalgaonkar	Marathi
3	Skills in Psycho Social Counselling	Dr. Sadhana Natu	Psychology
4	Certificate Course in Social Services & Welfare	Dr. Jyoti Gagangras	Sociology
5	Diversity Inequality & Public Policy	Dr. Jyoti Gagangras	Sociology
Commerce Faculty			
1	Transformation Course	Ms. Vijaylaxmi Kulkarni	Commerce
2	Computerised Financial Accounting Programme (Tally ERP 9)	Prof. Govind Kamble	Commerce
3	Certificate Course in E-Filing of Income Tax Returns	Prof. Govind Kamble	Commerce
4	Entrepreneurship Development Programme	Prof. Sujata Deshmukh	Commerce
Computer Science			
1	Making Bakery Products	Ms. Dipali Tamhane	Computer Sc.
2	Web Designing, Development and Hosting	Prof. Satish Ambike	Computer Sc.
3	Computer Networks	Prof. Sapkal Kumud	Computer Sc.
Science Faculty			
1	Skill Development Program (Applied Zoology)	Dr. Shakera Inamdar	Zoology
2	Solar PV System Installation and Maintenance	Prof. Vaishali Salunke	Electronics
3	Printed Circuit Board Designing	Prof. Vaishali Salunke	Electronics
4	Repairing and Maintenance of Electrical & Home Appliances	Prof. Abanave Chhaya	Physics
5	Repair and Maintenance of Mobile Cell	Prof. Deepak S.Kumbhar	Electronics
6	Quality Control in Laboratories and Industries	Prof. Gauri Bhagat	Microbiology
7	Mathematical Modelling in Life Sciences	Prof. Swati Kandharkar	Mathematics
8	Use of Scilab Software	Prof. Shamal Deshmukh	Mathematics
9	C-Programming	Prof. Jayashree Jain	Mathematics
10	Vedic Mathematics	Prof. Pratiba Pawar	Mathematics
11	Recent Trends in Biological Techniques	Dr. Shakera Inamdar	Zoology
12	Archeology and Organic Evolution	Prof. Varsha Joshi	Physics & Zoology
13	Diversity & Taxonomy with special reference to Entomofauna	Dr. Shakera Inamdar	Zoology
14	Research Methodology and skill	Dr. Ravinda Kshirsagar	Zoology
15	Blogging and CMS	Dr. Sangeeta Dhamdhare	Library
16	Travel and Tourism	Prof. Motilal More	Geography
17	Natural Products Biotechnology	Dr. Vinay Kumar	Biotechnology
18	Finishing School	Dr. Shampa Chakravorthy	English
19	Beauty & Wellness - Certificate & Diploma		

Note: Each student shall complete at least two skill development courses from his / her faculty.

Arts Faculty

Profile

Separate Departments for Subjects at Special Level with ICT Facility.

Under Graduate Departments- Economics, History, Sociology, Geography, English & Psychology

Post Graduate Department – Economics, Sociology & History

Organized State and National Level Conferences for Staff and Students

Ongoing Research Projects of Staff & Students

Various Publication of Social Science Staff Members

Remedial course in English and other subjects

International students from different countries

History Department- History Study Circle, Modi Script Course, Kaun Banega? History Scholar!!, History Museum, Historical Documentary film Club, Celebration of Birth anniversary of National Personalities, Commemoration of Historians, Study Tours

Geography Department- Separate Library, Trekking, Cycling & Movie Club, Sky Watch, Study Tours, Guest Lecture, Field Visits, Seminars & Workshop Related to Subject, Geo Carnival

English Department- Quest : Curiosity & Creativity Forum, Spoken English Course with Well Equipped 'Language Laboratory' facility, Film shows (syllabus related), Projects and State Level Essay Competition, What's the Good Word?, learning by sharing scheme, Literary Carnival & career related Workshops

Psychology Department- Disha Psychology Study Circle and Kaleidoscope- Student Centric Magazine, Group discussion, Workshop, Counseling cell, Mindscape - the Research Compendium, Mastermind- the psychology Quiz, Koshish - structured Internship program, Psy World – Psychology Fair, Student Participation in National & International Conference, Skill Development Course Conducted annually, Umeed College community Mental Health

Sociology Department- Society- Sociology Association, Wall papers, educational visits, lecture series, Health Awareness program, workshops, seminars, Street play, Gender Sensitization program, Tribal Handicraft Exhibition cum Sale, Collaborative Programmes with SPPU & well known NGOs, Engagement : Dialogical platform for Students & Film Screening

Economics Department- Guest Lectures, Students' Economics Conference, Educational Visit, Poster Completion , Scrap Book Competition, Quiz Competition

Department of Political Science

Conduct various activities such as Guest Lectures, Field Visits, Career Guidance Programmes, Educational Visits, Jidnyasa, Sanvidhan Din Programme , Voters Day Etc.

Department of Languages

Various Competitions are conducted and special guidance is given for all three Languages English, Marathi & Hindi. The Students are encouraged to participate in activities such as wall magazines, presentation, and survey, Quiz, Enrichment of vocabulary and communication skills.

UG Courses: Arts Faculty

Name of the Course : B.A

Eligibility : HSC (10+2) or its equivalent with English Subject

Program Specific Outcome. (PSO) –UG

- Nurturing responsible citizens through socio-economic, linguistic and cultural engagement
- Identify and appreciate the real-world perspectives of knowledge through global understanding of texts and theories
- Promote professionalism and cultivate ethical behaviour
- Provide a plethora of avenues in career including higher studies, research and employment
- Ethics, Values and Integrity inculcated through the curricula which will be applicable in everyday life both profession and personal
- Develop an understanding about the need and role as citizens and taking up individual responsibilities

Course Structure :

FYBA Marathi Medium (Total Paper 6) 2019 pattern

Select any one from Group A & B

Group A				
Subject	Sem.	Code	Paper Name	Credit
Compulsory English	Sem I	11011	Compulsory English	3 Credits
	Sem II	11012	Compulsory English	3 Credits
Marathi	Sem I	11021A	Marathi Sahitya: katha ani Bhashik Kaushalya Vikas	3 Credits
	Sem II	11022A	Marathi Sahitya: Ekankika ani Bhashik Kaushalya Vikas	3 Credits
Sociology	Sem I	11371	Introduction to Sociology	3 Credits
	Sem II	11372	Social Institution & Change	3 Credits
Geography	Sem I	110A	Physical Geography	3 Credits
	Sem II	110 B	Human Geography	3 Credits
Political science	Sem I	11161A	Introduction to Indian Constitution I	3 Credits
	Sem II	11161B	Introduction to Indian Constitution II	3 Credits
Psychology	Sem I	11221	Foundation of Psychology	3 Credits
	Sem II	11222	Introduction to Social Psychology	3 Credits
Physical Education	Sem I			1 Credits
	Sem II			1 Credits

- **Total Credits of Sem I = 19 * & Total Credits of Sem II = 19***
- **FYBA Total Credits 38***
- **Minimum 50 % credits Require to secure the admission in the second year**

Group B				
Subject	Sem.	Code	Paper Name	Credits
Compulsory English	Sem I	11011	Compulsory English	3 Credits
	Sem II	11012	Compulsory English	3 Credits
Hindi	Sem I	11091B	Vaikalpik Hindi (Samanya Hindi)	3 Credits
	Sem II	11092B	Vaikalpik Hindi (Samanya Hindi)	3 Credits
History	Sem I	11171	Early India : Pre-History to Mouryan Period	3 Credits
	Sem II	11172	Early India: Post-Mouryan Age to Rashtrakutta	3 Credits
Economics	Sem I	11151	Indian Economic Environment -I	3 Credits
	Sem II	11152	Indian Economic Environment-II	3 Credits
Political science	Sem I	11161A	Introduction to Indian Constitution I	3 Credits
	Sem II	11162A	Introduction to Indian Constitution II	3 Credits
Psychology	Sem I	11221	Foundation of Psychology	3 Credits
	Sem II	11222	Introduction to Social Psychology	3 Credits
Physical Education	Sem I			1 Credits
	Sem II			1 Credits

- **Total Credits of Sem I = 19 * & Total Credits of Sem II = 19***
- **FYBA Total Credits 38***
- **Minimum 50 % credits Require to secure the admission in the second year**

FYBA English Medium (Total Paper 6)

Subject	Sem.	Code	Paper Name	Credits
Compulsory English	Sem I	11011	Compulsory English	3 Credits
	Sem II	11012	Compulsory English	3 Credits
Hindi or Additional English	Sem I	11091B	Vaikalpik Hindi (Samanya Hindi)	3 Credits
	Sem II	11092B	Vaikalpik Hindi (Samanya Hindi)	3 Credits
	Sem I	11331	Initiations	3 Credits
	SemII	11332	Initiations	3 Credits
Psychology or Political science or Defense Strategic Study	Sem I	11221	Foundation of Psychology	3 Credits
	Sem II	11222	Introduction to Social Psychology	3 Credits
	Sem I	11161A	Introduction to Indian Constitution - I	3 Credits
	Sem II	11162A	Introduction to Indian Constitution - II	3 Credits
	Sem I	11271	Defence Organization of India	3 Credits
	Sem II	11272	India's National Security	3 Credits
Economics or History	Sem I	11151	Indian Economic Environment I	3 Credits
	Sem II	11152	Indian Economic Environment II	3 Credits
	Sem I	11171	Early India : Pre-History to Mouryan Period	3 Credits
	Sem II	11172	Early India: Post-Mouryan Age to Rashtrakutta	3 Credits

Sociology or Geography	Sem I	11371	Introduction to Sociology	3 Credits
	Sem II	11372	Social Institution & Change	3 Credits
	Sem I	110A	Physical Geography	3 Credits
	Sem II	110 B	Human Geography	3 Credits
Physical Education	Sem I			1 Credits
	Sem II			1 Credits

- **Total Credits of Sem I = 19 * & Total Credits of Sem II = 19***
- **FYBA Total Credits 38***
- **Minimum 50 % credits Require to secure the admission in the second year**

➤ **Evaluation Pattern :-**

FYBA (Choice Based Credit System) 70:30-Pattern, (70-Semester-End Exam & 30-Internal Evaluation)

A student must have to secure combine passing of (Semester-End Exam & Internal Evaluation) of Minimum 40 Marks

SYBA (CBCS)

It is applicable from academic year 2020-21. for details of syllabus please refer College website or University website

Compulsory	Subject Group - B
[COMP. ENG - I] Compulsory English	[DSE1 - I GEO] DSE 1 - I Geography (SPL-I)
[COMP. ENG - II] Compulsory English - II	[DSE2 - IIGEO] DSE 2 - II Geography (SPL-II)
[EVS - I] EVS	[MIL- I] MIL - 2 - Marathi - I
[EVS - II] EVS	[MIL-2] MIL - 2 - Marathi - II
	[SEC1-I-GEO] SEC- 1 - I - GEOGRAPHY (GEN.-I)
	[SEC1-II-GEO] SEC- 1 - II - GEOGRAPHY (GEN.-II)
Subject Group - A	Optional Sub-Group A (Max. Subjects 0)
[DSE - 1 - I] DSE - 1 -Sociology I	A1 [CC1 - I SOCIO] Sociology
[DSE 2 -SOC-I] DSE - 2 -Sociology I	A1 [CC2- II SOCIO] Sociology - II
[MIL- I] MIL - 2 - Marathi - I	OR
[MIL-2] MIL - 2 - Marathi - II	A2 [CC1 - I PSY] CC I - PSYCHOLOGY
[SEC-1 - II] SEC 1 - Sociology (GEN.)	A2 [CC2 - II (PSY)] CC 2 - PSYCHOLOGY
[SEC1 - I] SEC 1 - Sociology (GEN.)	OR
Optional Sub-Group A (Max. Subjects 1)	A3 [CC1 - I PS] Political Science - I
A1 [CC1 - I PS] Political Science - I	A3 [CC2 - II PS] Political Science - II
A1 [CC2 - II PS] Political Science - II	
OR	Subject Group - C
A2 [CC1 - I PSY] CC I - PSYCHOLOGY	[DSE1 - I HIST] DSE1 - I History (Special - I)
A2 [CC2 - II (PSY)] CC 2 - PSYCHOLOGY	[DSE2- II HIST] DSE2 - II History (Special - II)
OR	[MIL-2 - I] MIL - 2 Hindi - I
A3 [CC1 - I GEOG] Geography - I	[MIL-2 - II] MIL - 2 Hindi - II
A3 [CC2 - II GEOG] Geography - II	[SEC1-I HIST] SEC - 1 - I History (Gen)
	[SEC2 -I HIST] SEC - 2 - I History (Gen)

Optional Sub-Group A (Max. Subjects 0)
A1 [CC1 - I PSY] CC I - PSYCHOLOGY
A1 [CC2 - II (PSY)] CC 2 - PSYCHOLOGY
OR
A2 [CC1 - I PS] Political Science - I
A2 [CC2 - II PS] Political Science - II
OR
A3 [C1- I - ECO] C1-I Economics
A3 [C2- I - ECO] C2-I Economics

Subject Group - D
[DSE1-I ECO] DSE - 1 - I(Economics-Spl - I)
[DSE2II ECO] DSE - 2 - II(Economics- Spl-II)
[MIL-2 - I] MIL - 2 Hindi - I
[MIL-2 - II] MIL - 2 Hindi - II
[SEC1 - I ECO] SEC1 - I (Economics - Gen)
[SEC2 - I ECO] SEC2 - I (Economics - Gen)

Optional Sub-Group A (Max. Subjects 0)
A1 [CC1 - I PSY] CC I - PSYCHOLOGY
A1 [CC2 - II (PSY)] CC 2 - PSYCHOLOGY
OR
A2 [CC1 - I PS] Political Science - I
A2 [CC2 - II PS] Political Science - II
OR
A3 [CC1 - HIST - I] CC1 - History - I
A3 [CC2 - HIST - I] CC2 - History - I

Subject Group - E
[DSE1-I ECO] DSE - 1 - I(Economics-Spl - I)
[DSE2II ECO] DSE - 2 - II(Economics- Spl-II)
[SEC1 - I ECO] SEC1 - I (Economics - Gen)
[SEC2 - I ECO] SEC2 - I (Economics - Gen)

Optional Sub-Group A (Max. Subjects 0)
A1 [CC2- II SOCIO] Sociology - II
OR
A2 [CC2 - II GEOG] Geography - II
OR
A3 [CC1 - I PS] Political Science - I
B1 [CC2 - II (PSY)] CC 2 - PSYCHOLOGY
OR
B2 [CC2 - HIST - I] CC2 - History - I

Subject Group - F
[DSE1 - I HIST] DSE1 - I History (Special - I)
[DSE2- II HIST] DSE2 - II History (Special - II)
[SEC1-I HIST] SEC - 1 - I History (Gen)
[SEC2 -I HIST] SEC - 2 - I History (Gen)

Optional Sub-Group A (Max. Subjects 0)
A1 [CC1 - I SOCIO] Sociology
OR
A2 [CC1 - I GEOG] Geography - I
OR
A3 [CC1 - I PS] Political Science - I
B1 [CC2 - II (PSY)] CC 2 - PSYCHOLOGY
OR
B2 [C2- I - ECO] C2-I Economics
OR
B3 [CC2-ADD.ENG] CC2 - Additional English

Subject Group - G
[DSE1 - I GEO] DSE 1 - I Geography (SPL-I)
[DSE2 - IIGEO] DSE 2 - II Geography (SPL-II)
[SEC1-I-GEO] SEC- 1 - I - GEOGRAPHY (GEN.-I)
[SEC1-II-GEO] SEC- 1 - II - GEOGRAPHY (GEN.-II)

Optional Sub-Group A (Max. Subjects 0)
A1 [C1- I - ECO] C1-I Economics
OR
A2 [CC1 - HIST - I] CC1 - History - I
OR
A3 [CC1 - I PS] Political Science - I
B1 [CC2 - II (PSY)] CC 2 - PSYCHOLOGY
OR
B2 [CC2- II SOCIO] Sociology - II

Subject Group - H
[DSE - 1 - I] DSE - 1 -Sociology I
[DSE 2 -SOC-I] DSE - 2 -Sociology I
[SEC-1 - II] SEC 1 - Sociology (GEN.)
[SEC1 - I] SEC 1 - Sociology (GEN.)

Optional Sub-Group A (Max. Subjects 0)
A1 [C1- I - ECO] C1-I Economics
OR
A2 [CC1 - HIST - I] CC1 - History - I
OR
A3 [CC1 - I PS] Political Science - I
B1 [CC2 - II GEOG] Geography - II
OR
B2 [CC2 - II (PSY)] CC 2 - PSYCHOLOGY

Subject Group - I
[OPT.ENG - 2-I] DSE 2 - I English Spl - I
[OPT.ENG - I] DSE 1 - I English Spl - I
[SEC1 - I OPT.EN] SEC -I English General
[SEC1 - II OP.EN] SEC -II English General

Optional Sub-Group A (Max. Subjects 0)
A1 [CC1 - I PS] Political Science - I
OR
A2 [CC2 - HIST - I] CC2 - History - I
OR
A3 [CC2- ECO] CC2- ECO
B1 [CC2- II SOCIO] Sociology - II
OR
B2 [CC2 - II (PSY)] CC 2 - PSYCHOLOGY
B2 [CC2 - II GEOG] Geography - II

Subject Group - J
[DSE 2 - I] DSE 2 - I (Psychology (Spl - II)
[DSE1-II] DSE 1 - II (Psychology (Spl - I)
[SEC1 - PSY - I] SEC I - (Psychology - Gen)
[SEC1 - PSY - II] SEC I - (Psychology - Gen - II)

Optional Sub-Group A (Max. Subjects 0)
A1 [CC1 - I PS] Political Science - I
OR
A2 [CC2 - HIST - I] CC2 - History - I
OR
A3 [CC1- ECO] CC1- ECO
OR
A4 [CC2 - II GEOG] Geography - II
B1 [CC2- II SOCIO] Sociology - II
OR
B2 [CC2 - II GEOG] Geography - II
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2013 pattern**SYBA Marathi Medium Group A (Total 6+ EVS Course)(Select any One)**

Sociology Special Group Marathi Medium	
1	Compl .English
2	Sociology Spl-I
3	Sociology Spl-II
4	Sociology General
5	Geography / Marathi
6	Psychology/Political Science
7	EVS

Geography Special Group Marathi Medium	
1	Compl .English
2	Geography Spl-I
3	Geography Spl-II
4	Geography General
5	Sociology / Marathi
6	Psychology/Political Science
7	EVS

SYBA Marathi Medium Group B (Total Paper 6+ EVS Course) (Select any one)

History Special Group Marathi Medium	
1	Compl .English
2	History Spl-I
3	History Spl-II
4	History General
5	Add. English/ Hindi/Economics
6	Psychology/Political Science
7	EVS

Economics Special Group Marathi Medium	
1	Compl .English
2	Economics Spl-I
3	Economics Spl-II
4	Economics General
5	Add. English/ Hindi /History
6	Psychology/Political Science
7	EVS

SYBA English Medium (Total Paper 6+ EVS Course)(Select any one out of Six)

I) Economics Special Group English Medium	
1	Compl .English
2	Economics Spl-I
3	Economics Spl-II
4	Economics General
5	Sociology /Geography/Political Science
6	Psychology/History /Add. English
7	EVS

II) History Special Group English Medium	
1	Compl .English
2	History Spl-I
3	History Spl-II
4	History General
5	Sociology /Geography/Political Science
6	Psychology/Economics /Add. English
7	EVS

III) Geography Special Group English Medium	
1	Compl .English
2	Geography Spl-I
3	Geography Spl-II
4	Geography General
5	Economics/ History / Political Science
6	Add. English / Psychology / Sociology
7	EVS

1V) Sociology Special Group English Medium	
1	Compl .English
2	Sociology Spl-I
3	Sociology Spl-II
4	Sociology Gen
5	Economics/ History /Political Science
6	Geography/ Psychology / Add. English
7	EVS

V) English Special Group	
1	Compl .English
2	English Spl-I
3	English Spl-II
4	English General
5	Political Science/History/Economics
6	Sociology/ Psychology / Geography
7	EVS

VI) Psychology Special Group	
1	Compl .English
2	Psychology Spl. I
3	Psychology Spl-II
4	Psychology General
5	Political Science/History/Economics
6	Sociology/ Add. English / Geography
7	EVS

Environmental Awareness Course is compulsory for SYBA

Special English and Psychology option is not available for Marathi Medium students

T.Y.B.A. (Marathi and English Medium) Subjects are same as those selected in S.Y.B.A. (2013 Pattern)

PG Courses: Arts Faculty

M.A. Economics

Eligibility: B.A. (Economics) or Bachelor's degree in any faculty

Course structure (Credit System)

Duration: 2 Years

Economics Department : PG : Program Specific Outcome. (PSO) –PG

Sr. No.	Objectives/ Outcomes
1	Helps students to get in-depth knowledge of Economics.
2	Important for further studies and research.
3	To Study the relationship among broad aggregates.
4	To apply economic reasoning to problems of the economy
5	Specific options of career in Economics.

➤ Part One

Paper No.	Title of the Paper	Paper No.	Title of the Paper
Semester I		Semester II	
Core Subjects		Core Subjects	
1. 12301	Micro Economic	1. 22301	Micro Economics analysis-II
2. 12302	Analysis-I	2. 22302	Public Economic-II
3. 12303	Public Economic-I	3. 22303	International Finance
4. 12304	International Trade	4. 22304	Labor Economics
	Agricultural Economics		

➤ Part Two

Paper No.	Title of the Paper	Paper No.	Title of the Paper
Semester III		Semester IV	
Core Subjects		Core Subjects	
EC -3001	Macro Economics I	EC -4001	Macro Economics II
EC -3002	Growth & Development I	EC -4002	Growth & Development II
EC -3003	Modern Banking	EC -4003	Research Methodology
EC -3004	Demography	EC -4004	Rural Development

CBCS Pattern

- 2 Years PG Programme Total **64 CREDITS** are **MANDATORY**
- To secure the admission in the second year minimum **16 Credits** should be earned in first two semesters.

Type of Assessment	Exam	Total Marks
CA (Continuous Assessment)	Internal	50 Marks
ESE (End of Semester Exam)	University	50 Marks

A student must have to secure combine passing of CA & ESE of Minimum **40 Marks**

- **EXTRA CREDITS: Exam format for extra Credits consists of Written Exam, Practical & Viva**

	Semester	Human Rights	Intoduction to Cyber Security	Skill Development	Total Credits
MA I	Sem I	1 Credit (25 Marks)	1 Credit (25 Marks)	---	2 Credit (50 Marks)
	Sem II	1 Credit (25 Marks)	1 Credit (25 Marks)	---	2 Credit (50 Marks)
MA II	Sem III	---	1 Credit (25 Marks)	2 Credit (50 Marks)	3 Credit (75 Marks)
	Sem IV	---	1 Credit (25 Marks)	2 Credit (50 Marks)	3 Credit (75 Marks)
Total Credits		2 Credit (50 Marks)	4 Credit (100 Marks)	4 Credit (100 Marks)	10 Credit (250 Marks)

M.A. History

Eligibility: B.A. (History) or Bachelor's degree in any faculty

Course structure (Credit System)

Duration: 2 Years

History Department PG:Program Specific Outcome. (PSO) -PG

Sr. No.	Objectives/ Outcomes
1	Cultivate Research Qualities among the Students
2	In depth Study of the Subject from macro to micro level
3	Inculcate Socio- cultural and Moral Values among the Students
4	Trace out the roots of Contemporary Society from the Past
5	Develop over all personality of the students

➤ **Part One**

Sem -I		Sem -II	
No .	Title of the Paper	No.	Title of the Paper
1.12291	History Its Theory & Method	1.22291	Approaches To History
2.12292	Evolutions Ideas & Institution In Early India	2.22292	Evolutions Ideas & Institution In Medieval India
3.12293	Maratha Polity	3.22293	Socio -Eco History of Maratha
4.12296	Social Background of Dalit Movement in Maharashtra	4.22295	Natu re of Dalit Movement in Maharashtra

➤ **Part Two**

Sem -III		Sem -IV	
No .	Title of the Paper	No.	Title of the Paper
1.32291	Ancient and Medieval Civilization of the World	1.42291	History of Modern India (1857-1971)
2.32292	Debates in Indian History	2.42292	Intellectual History of Modern West
3.32293	Economic History of Modern India	3.42293	World after World War II
4.32294	Opt. paper - 19 th century Maharashtra	4.42294	Opt. paper - 20 th century Maharashtra

CBCS Pattern

- 2 Years PG Programme Total **64 CREDITS** are **MANDATORY**
- To secure the admission in the second year minimum **16 Credits** should be earned in first two semesters.

Type of Assessment	Exam	Total Marks
CA (Continuous Assessment)	Internal	50 Marks
ESE (End of Semester Exam)	University	50 Marks

A student must have to secure combine passing of CA & ESE of Minimum **40 Marks**

- **EXTRACREDITS:** Exam format for extra Credits consists of Written Exam, Practical & Viva

	Semester	Human Rights	Intoduction to Cyber Security	Skill Development	Total Credits
MA I	Sem I	1 Credit (25 Marks)	1 Credit (25 Marks)	---	2 Credit (50 Marks)
	Sem II	1 Credit (25 Marks)	1 Credit (25 Marks)	---	2 Credit (50 Marks)
MA II	Sem III	---	1 Credit (25 Marks)	2 Credit (50 Marks)	3 Credit (75 Marks)
	Sem IV	---	1 Credit (25 Marks)	2 Credit (50 Marks)	3 Credit (75 Marks)
Total Credits		2 Credit (50 Marks)	4 Credit (100 Marks)	4 Credit (100 Marks)	10 Credit (250 Marks)

M.A. Sociology

Eligibility: B.A. (Sociology) or Bachelor's degree in any faculty

Course structure (Credit System)

Duration: 2 Years

Sociology Department PG:Program Specific Outcome. (PSO) -PG

Sr. No.	Objectives/ Outcomes
1	Explain and apply the major theoretical perspectives in sociology They will enable to see the world from others' perspective also
2	Design and evaluate sociological research with Interdisciplinary Manner.
3	To understand the central concepts developed by the theorists to analyse the social world
4	To understand the application of the scientific method to understand 'social realities 'with critical approach
5	They can Understand their Responsibility towards civic, Policy Engagement and Sustainability

➤ Part One

Sem -I		Sem -II	
No .	Compulsory papers	No.	Compulsory papers
SC 01	Classical Sociological Thought	SC 04	Sociological Theories –I
SC 02	Sociology of India	SC 05	Methodology of Social Research
SC 03	Applications of Sociological Research Methods		

Optional Papers		Optional Papers	
SO 03	Sociology of Maharashtra: Culture & Society	SO 04 SO 05	Sociology of Education Sociology of Media

➤ **Part Two**

Sem -III		Sem -IV	
No.	Compulsory papers	No.	Compulsory papers
SC 05 32531	Application of Research Skills	SC 07 42531 SC 08 42532	Contemporary Sociological Theories Sociology of Globalization
SC 06 32532	Sociology of Development		
Optional Papers		Optional Papers	
SO 09 32533 SO 11 32536	Sociology of Gender Environment & Sociology	SO 13 42534 SO 16 42537 SO 17 42538	Sociology of Social Work or Sociology of Crime Dissertation

CBCS Pattern

- 2 Years PG Programme Total **64 CREDITS** are **MANDATORY**
- To secure the admission in the second year minimum **16 Credits** should be earned in first two semesters.

Type of Assessment	Exam	Total Marks
CA (Continuous Assessment)	Internal	50 Marks
ESE (End of Semester Exam)	University	50 Marks

A student must have to secure combine passing of CA & ESE of Minimum 40 Marks

	Semester	Human Rights	Intoduction to Cyber Security	Skill Development	Total Credits
MA I	Sem I	1 Credit (25 Marks)	1 Credit (25 Marks)	---	2 Credit (50 Marks)
	Sem II	1 Credit (25 Marks)	1 Credit (25 Marks)	---	2 Credit (50 Marks)
MA II	Sem III	---	1 Credit (25 Marks)	2 Credit (50 Marks)	3 Credit (75 Marks)
	Sem IV	---	1 Credit (25 Marks)	2 Credit (50 Marks)	3 Credit (75 Marks)
Total Credits		2 Credit (50 Marks)	4 Credit (100 Marks)	4 Credit (100 Marks)	10 Credit (250 Marks)

MA Psychology

Eligibility: B.A. (Psychology)

Course structure (Credit System)

Duration: 2 Years

➤ Part One

Sem-I		Sem-II	
1. EP101	Cognitive Psychology	1. EP201	Cognitive –Advances
2. EP102	Psychometrics	2. EP202	Psychometrics- Application
3. EP103	Research Methodology-I	3. EP203	Research Methodology-II
4. EP104	Practical –Testing	4. EP204	Practical –Experiment

Part Two (Core papers are compulsory, Group A is Clinical Psychology specialization, Group B is Industrial Psychology)

Sem-III		Sem-IV	
Core Paper	EP 301: Personality	Core Paper	EP 401: Motivation and Emotion
Group A: Clinical Psychology	EP 310: Psychopathology - I	Group A: Clinical Psychology	EP 410: Psychopathology - II
	EP 311: Psycho - diagnostics		EP 411: Psychotherapies
	EP 312: Project		EP 412: Practicum
Group B: Industrial Psychology	EP 320: Personnel Psychology	Group B: Industrial Psychology	EP 420: HR Management
	EP 321: Organizational Behavior		EP 421: Organizational Development
	EP 322: Project		EP 422: Practicum

Commerce Faculty

Profile

- Courses offered under commerce faculty are B.Com, M.Com & B.B.A(CA).
- Qualified and experienced teaching faculty
- Well-furnished and Well-equipped infrastructure.
- Industry expert time to time visit and guide the student.
- Medium of instruction is English and a special division for Marathi medium.
- Faculty has linkages with organization such as MCCIA, MCED, MITCON and Agriculture College of Banking (RBI)
- Special subjects available at B.Com level are Costing, Marketing, Banking & Finance and Business Entrepreneurship. At M.Com level specialization available in Accounting & Business Administration.
- Skill based certificate courses like Tally ERP 9, E-Filing of Income Tax Returns, Entrepreneurship development programme, and Transformation course are available
- Campus placements are available with companies like TCS, WNS global services and Bajaj Finserv.

Activities

Commerce education aims at providing knowledge of theory as well as practice. To instill employability and leadership skills amongst students several Co-curricular & Extra Curricular activities are conducted whole round the year which has participation of maximum number of students, few of them are-

- Commerce Circle, Cost Fest, Marketing Carnival, Banking Club, Entrepreneurship Development Cell, MAGNIT (BBACA).
- On the Job training in Vidya Sahakari bank, Certificate course in Tally.
- Other activities – Industrial visits, Guest lectures, Workshop, Conferences etc.

U.G. Courses - Commerce Faculty

Name of Course : B.Com

Eligibility: H. S. C (10+2) or its equivalent with English Subject

Faculty of Commerce (B.Com & M.Com)

Program Specific Outcome. (PSO)-UG

Sr. No.	Objectives / Outcomes
1	To impart the knowledge and practical training in the areas of commerce and management.
2	To inculcate a sense of social responsibility.
3	To develop various skills to make them employable
4	To make the students aware of various career opportunities.
5	To develop keen interest in higher studies.

Choice based Credit system for B.com

The B.Com Degree Course (2019 pattern) Choice based credit system will be introduced in the following order

a. First Year B.Com. 2019-2020

b. Second Year B.Com. 2020-2021

c. Third Year B.Com. 2021-2022

SPPU/ B.Com. Structure/CBCS/ 2019-20 onwards, the B.Com. Degree Course will consist of six semesters divided into three Years.

The first year (Semester I and II) choice based credit system examination will be held at the end of the each semester.

The Second Year (Semester III and IV) and Third Year (Semester V and VI) choice based credit system examination will be held at the end of each semester.

PRACTICALS

- a) Each practical course will be of one credit.
- b) There will be practical and practical examination for semester I and II of the F.Y.B.Com For the **Course Financial Accounting.**
- c) There will be practical and practical examinations for the S.Y.B.Com. (Semester III and IV) and of T.Y.B.Com. (Semester V & VI) for Elective Courses (**Banking & Finance, Marketing Management, Cost & Works Accounting & Business Entrepreneurship**)
- d) There will be Practical for the S.Y.B.Com level **Compulsory Course, Business Communication (Semester III and IV) & for T.Y.B.Com Auditing and Taxation (Semester V) & (Semester VI)**

STANDARD OF PASSING

A Candidate is required to obtain 40% marks in Internal Assessment, Practical Examination and Semester End University Examination. It means that passing separately at internal assessment, practical examination and semester end university examination is compulsory.

METHODS OF EVALUATION

The evaluation of students will be done on three parameters:-

a. Internal assessment

b. Practical Examination (list of Courses having practical is given)

c. University examination for university examination, question papers will be set for seventy marks (three hours duration).

*Evaluation will be done on a continuous basis, three times during each semester. Internal assessment will be of 30 marks.

*The colleges need to adopt any three out of the following methods for internal assessment:-

- a) Written examination
- b. Quiz
- c. Presentations
- d. Projects
- e. Assignments
- f. Tutorials
- g. Oral examination.

**SCHEMES OF CREDITS – Total credits for three year integrated
B.Com. Course is as follows:-**

Sr. No.	Semester No	No. of courses	Lecture Hours	Credit per course	Credit for practical courses	Add on course credit (*)	Lectures + Practical + add on courses Total Credits =
1.	I	7	48	3	1	1	21+1+1=23
2.	II	7	48	3	1	1	21+1+1=23
3.	III	6	48	3	2	0	18+2+20
4.	IV	6	48	3	2	2	18+2+2=22
5.	V	6	48	3	3	0	18+3=21
6.	VI	6	48	3	3	2	18+3+2=23
Total No. of credits							132

Add on Courses

Sr. No.	Add on course	Class	Semester	Credit
1.	Value added course - I	F.Y.B.Com.	I	1
2.	Value added course - II	F.Y.B.Com	II	1
3.	Environment Awareness	S.Y.B.Com	IV	2
4.	Specific Add - on Course related to specialized Course/ Internship	T.Y.B.Com	VI	2
5.	Total			6

Revised structure of Choice Based Credit System Course

F.Y.B.Com

Semester I Course No.	Semester I Title of Paper	Semester II Course No.	Title of Paper
111	Compulsory English - I	121	Compulsory English - II
112	Financial Accounting - I	122	Financial Accounting - II
113	Business Economics - I	123	Business Economics - II
114 (A)	Business Mathematics and Statistics - I	124 (A)	Business Mathematics and Statistics - II
115	Optional Group. (A) (Any one of the Following) a) Organization Skill Development b) Banking and finance	125	Optional Group. – (A) (Any one of the Following) a) Organization Skill Development b) Banking and finance
116	Optional Group. (B) (Any one of the Following) a) Marketing & Salesmanship b) Business Environment & Entrepreneurship	126	Optional Group. (B) (Any one of the Following) a) Marketing & Salesmanship b) Business Environment & Entrepreneurship
117	Any one of the following Language Additional English/ / Marathi/ Hindi	127	Any one of the following Language Additional English/ / Marathi/ Hindi

S.Y.B.Com

Semester III Course No.	Semester III Title of Paper	Semester IV Course No.	Semester IV Title of Paper
231	Business Communication I	241	Business Communication II
232	Corporate Accounting I	242	Corporate Accounting II
233	Business Economics I (Macro)	243	Business Economics- II (Macro)
234	Business Management- I	244	Business Management- II
235	Elements of Company Law - I	245	Elements of Company Law II
236	Special Course Paper I (Any One) a) Banking and Finance b) Cost and Works Accounting c) Marketing Management d) Business Entrepreneurship (Marathi)	246	Special Course Paper-I (Any One) a) Banking and Finance b) Cost and Works Accounting c) Marketing Management d) Business Entrepreneurship (Marathi)

T.Y.B.Com

Semester V Course No.	Semester V Title of Paper	Semester VI Course No.	Semester VI Title of Paper
351	Business Regulatory Framework I	361	Business Regulatory Framework II
352	Advanced Accounting I	362	Advanced Accounting II
353	Indian and Global Economic Development - I	363	Indian and Global Economic Development - II
354	Auditing & Taxation I	364	Auditing & Taxation II
355	Special Course Paper II (Same Special Course Offered at S.Y.B.Com) a) Banking and Finance b) Cost and Works Accounting c) Marketing Management d) Business Entrepreneurship (Marathi)	365	Special Course Paper II (Same Special Course Offered at S.Y.B.Com) e) Banking and Finance f) Cost and Works Accounting g) Marketing Management h) Business Entrepreneurship (Marathi)
356	Special Course Paper III a) Banking and Finance b) Cost and Works Accounting c) Marketing Management d) Business Entrepreneurship (Marathi)	366	Special Course Paper III e) Banking and Finance f) Cost and Works Accounting g) Marketing Management h) Business Entrepreneurship (Marathi)

Note : Admission to Cost & Work Accounting-I: subject is given on merit basis

1) Optional Subjects taken in S.Y. B.Com can't be changed in T.Y.B.Com

2) Environmental Awareness course is compulsory for S.Y.B.Com

T.Y. B.com**2013 Pattern**

Compulsory Subjects		Optional Subjects (any one) Theory & Practical	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
301	Business Regulatory Framework	305 (b)	Banking & Finance – II
		306 (b)	Banking & Finance - III
302	Advanced Accountancy	305 (e)	Cost & Work Accounting- II
		306 (e)	Cost & Work Accounting- III
303 A	Indian & Global Economic Development	305 (g)	Business Entrepreneurship - II (Marathi)
		306 (g)	Business Entrepreneurship–III(Marathi)
304	Auditing & Taxation (Theory and Practical)	305 (h)	Marketing Management – II
		306 (h)	Marketing Management – III

PG Courses : Commerce Faculty

Name of the course: M.Com

Duration:2 years (Four Semesters)

Eligibility: Bachelor's degree of S.P.P.U. or any other recognized university

Program Specific Outcome

Sr. No.	Objectives/ Outcomes
1	To motivate the students for further education
2	To inculcate a sense of social accountability.
3	To make them professionally more capable and employable
4	To promote them for research
5	To impart various life and professional skills

Admission: Admission to the M.COM.-I and II are given in accordance with the rules prescribed by the S.P.P.U from time to time.

Course Structure (Choice Based Credit System)

➤ PART ONE

Special Subjects - GROUP 'A': Advanced Accounting Taxation and Auditing, GROUP 'F' : Business Administration

Semester-I		Semester-II	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
101	Management Accounting	201	Financial analysis and control
102	Strategic Management	202	Industrial Economics
	Special Paper - I		Special Paper - III
	(Group A-Paper I/Group F-Paper I)		(Group A-Paper III/Group F-Paper III)
	Special Paper – II		Special Paper - IV
	(Group A-Paper II/Group F-Paper II)		(Group A-Paper IV/Group F-Paper IV)

➤ PART TWO

Semester-III		Semester-IV	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
301	Business Finance	401	Capital Market and Financial Services
302	Research Methodology for Business	402	Industrial Economic Environment
	Special Paper V		Special Paper - VII
	(Group A-Paper V/Group F-Paper V)		(Group A-Paper VII/Group F-Paper VII)
	Special Paper – VI		Special Paper - VIII
	(Group A-Paper VI /Group F-Paper VI)		(Group A-Paper VIII/Group F-Paper VIII)

GROUP A : Subjects		GROUP F : Subjects	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
103	PAPER I - Advanced Accounting	113	PAPER I - Production Operations Mgt
104	PAPER II - Income Tax	114	PAPER II - Financial Management
203	PAPER III - Specialized Areas in Accounting	213	PAPER III - Bus. Ethics and Professional Values Mgt.
204	PAPER IV - Business Tax Assessment and Planning	214	PAPER IV - Elements of knowledge Mgt.
303	PAPER V - Advanced Auditing	313	PAPER V - Human Resource Management
304	PAPER VI - Specialized Auditing	314	PAPER VI - Organizational Behavior
403	PAPER VII - Recent Advances in Accounting	413	PAPER VII – Recent Advances in Business Administration
404	Paper VIII - Project work	414	PAPER VIII Project work

NOTE : A STUDENT CAN SECURE ADMISSION TO SECOND YEAR SEMESTER III ONLY IF HE OR SHE SCORES AT LEAST 16 CREDITS IN FIRST YEAR DURING SEMESTER I & II
PAPER VIII - Project work is compulsory for all the students of Group A and F. Project viva-voce will be conducted at the end of semester IV, as per the schedule declared by Savitribai Phule Pune University.

B.B.A (CA) (Bachelor of Business Administration in Computer Applications)

Bachelor Of Business Administration In Computer Application BBA(CA)

Program Specific Outcome. (PSO)-UG

Sr. No.	Objectives / Outcomes
1	To impart professional training of computer application for any stream
2	To provide sound academic base to make advanced career in Computer Application
3	To provide conceptual knowledge of Practical Business Application
4	To provide basic practical knowledge of Computer Tools
5	To develop Business Communication skills & provide personality developments skills

Duration: 3 Years

CC-Core Course, EC-Elective Course, PR-Practical, PJ-Project, AECC-Ability Enhancement Compulsory Courses, SEC-Skill Enhancement Courses.

➤ Part One

(2019 Pattern)

Semester I					Semester II				
Subject Code	Subject Name	Course	Credits		Subject Code	Subject Name	Course	Credits	
			Th	Pr				Th	Pr
CA-101	Business Communication	CC	3		CA-201	Organization Behavior & Human Resource anagement	CC	3	
CA-102	Principle of Management	CC	3		CA-202	Financial Accounting	CC	3	
CA-103	C Language	CC	3		CA-203	Business Mathematics	CC	3	
CA-104	Database Management System	CC	3		CA-204	Relational database	CC	3	
CA-105	Statistics	CC	3		CA-205	Web Technology HTML-JS-CSS	CC	3	
CA-106	Computer Laboratory Based on 103 &104 (2 credits each)	PR		4	CA-206	Computer Laboratory Based on 204 &205(2 credits each)	PR		4
1	ADD-On (PPA) (30 Hours)	SEC	2		2	ADD-On (Advance C) (30 Hours)	SEC	2	
		Total Credits	21				Total Credits	21	

➤ Part Two

Semester III					Semester IV				
Subject Code	Subject Name	Course	Credits		Subject Code	Subject Name	Course	Credits	
			Th	Pr				Th	Pr
CA-301	Digital Marketing	CC	3		CA-401	Networking	CC	3	
CA-302	Data Structure	CC	3		CA-402	Object Oriented Concepts Through CPP	CC	3	
CA-303	Software Engineering	CC	3		CA-403	Operating System	CC	3	
CA-304	Angular JS	EC	3		CA-404	NODE JS	EC	3	
	OR					OR			
CA-304	PHP	EC	3		CA-404	Advance PHP	EC	3	
CA-305	Big data	EC	3			OR			
	OR				CA-405	Project	E C		4
CA-305	Block chain	EC	3		CA-406	Computer	PR		4
CA-306	Computer Laboratory Based on 302 , 304 and 305 (2 credits each)	PR		6		Laboratory Based on 402,404 (2 credits each) ADD-On (30 Hours)	SE C		2
3	Environment Awareness	AECC	2						
			Total Credits	23			Total Credits	22	

Evaluation Method

2019 Pattern

1. Award of Credits:

- Each course having 3 credits shall be evaluated out of 100 marks and student should secure at least 40 marks to earn full credits of that course.
- Each course with 2 credits for Sem-I & Sem-II, Sem-V & Sem-VI is divided in theory (50%) & practicals (50%) and for Sem-III, IV there will be project subjects studied by students. For all these there will be university evaluation. For Sem-I, II, V & VI (30% Internal & 70% External)
- GPA shall be calculated based on the marks obtained in the respective subject provided that student should have obtained credits for that course.

2. Evaluation Pattern:

- Each course carrying 100 marks shall be evaluated with Continuous Assessment (CA) and University Evaluation (UE) mechanism. Continuous assessment shall be of 30 marks while University Evaluation shall be of 70 marks. To pass in a course, a student has to secure minimum 40 marks provided that he should secure minimum 28 marks in University Evaluation (UE).
- CA shall be based on internal tests, various activities such as home assignments, tutorials, seminars, presentations, group discussion etc, to the students and evaluate accordingly.

3. ATKT Rules:

- A student shall be allowed to keep term for the Second Year, if he/she has a backlog of not more than four theory heads of total number of subjects of the First Year examination, which consist of First & Second Semester.
- A student shall be allowed to keep term for the Third Year, if he/she has no backlog of First year & if he/she has a backlog of not more than four theory heads of total number of subjects of the Second year examination, which consist of Third & Fourth Semester.

Standard of Passing – The programme shall be a full time course and the duration of the programme shall be of three years divided into six Semesters. A candidate is required to obtain 40% marks in Internal Assessment, Projects and Semester end SPPU examination. There will be separate passing for SPPU examination.

4. Method of Evaluation and Evaluation Criteria: -

1. Internal Assessment 30 marks for all theory related subjects
2. Practical and Project will be evaluated separately
3. SPPU - Examination will be 70 marks

The class work will carry 30 marks in each course. Internal Evaluation includes continuous evaluation of a student by adopting variety of techniques such as Assignments, Presentation, Internal examination, Group Discussions, Projects etc. There shall be Four small projects /Tutorials for internal evaluation as compulsory part of assessment (Semester I, II, III and IV)

2013 Pattern

1. The Standard of Passing and Award of Class

In order to pass in the examination the candidate has to obtain 40 marks out of 100. (Min 32 marks must be obtained in University Examination .The class will be awarded on the basis of aggregate marks obtained by the candidate for all three years examinations.

2. RULES OF A.T.K.T.

- a) A student shall be allowed to keep term for the Second Year, if he/she has a backlog of not more than three theory & one practical or four theory heads of total number of subjects of the First year examination, which consist of First & Second Semester.
- b) A student shall be allowed to keep term for the Third year, if he/she has no backlog of first Year & if he/she has a backlog of not more than three theory & one practical or four theory heads of total number of subject of the Second Year examination which consist of Third & Fourth Semester.

NOTE : Environmental Awareness Course is compulsory for S. Y. B.B.A (CA)

➤ PART THREE

Semester -V		Semester -VI	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
501	Java Programming	601	Advanced Web Technologies
502	Web Technologies	602	Advanced Java
503	Dot Net Programming	603	Recent Trends in IT
504	Object Oriented Software Engg.	604	Software Testing
505	Software Project I [Based on C++ / VB Technology]	605	Software Project II [JAVA / Dot Net Technology]
506	Laboratory Course V [Based on Paper No. 501 & 502]	606	Laboratory Course VI [Based on Paper No. 601 & 602]

Science Faculty

The College has 12 well established departments under Science faculty. These are Physics, Chemistry, Mathematics, Statistics, Electronics, Botany, Zoology, Microbiology, Biotechnology, Computer Science, B.C.A. and B. Voc.

- Recognized M.Phil and Ph.D. research centres in Chemistry, Zoology, Microbiology and Biotechnology.
- Qualified and experienced faculty members.
- Well furnished, well equipped laboratories with internet access in each department for teachers as well as for students.
- Facilities are provided for UG and PG students and teachers for doing research projects.
- Funded research projects from apex funding agencies.
- Students are encouraged to participate in workshops and conferences.
- Study tours/industrial visits/institutional visits/field visits/guest lectures and career guidance lectures are arranged every year by various departments.
- A separate Placement Cell facility for PG students from Chemistry, Microbiology (Udaan), Biotechnology and Computer Science.
- Science faculty is supported by DBT STAR Status for UG and DST FIST Scheme for PG courses from Government of India.

Activities for students

- **Anubhuti** Annual Science exhibition conducted by Science Association.
- **Interaction** an Intercollegiate competition and **Tech Fest** an interclass competition organized by Computer Science department.
- **Mathematical Hockey** competition conducted by mathematics Department to improve the computational skills of the students.
- **Mathematics Club** is a platform to showcase students' creativity. It includes display of mathematics related information like articles from papers, students' articles, question of the week, etc.
- **Pramey** Departmental publication of Mathematics Department managed by students.
- **Mathematics Quiz** for B.Sc. students.
- **Vedic Mathematics and C-programming** certificate courses conducted for skill development of students.
- **Physiquia** a talent search competition including quiz, puzzle solving, cartoon drawing and Ludo game based on Physics concepts organized by Physics department.
- **Stats Quiz** for students organized by PUSA (Savitribai Phule Pune University Statistics Association). Hands-on training of different softwares like MS EXCEL, R, SPSS is arranged for students by Statistics department.
- **Chemiad** an intercollegiate competition organized by Department of Chemistry, Savitribai Phule Pune University, conducted by Chemistry department. The department has collaboration with SPPU/IISER for skill based courses. NET, SET guidance is provided by the department through expert academicians. Guest lectures from industrial experts are also arranged by the department.
- **e-waste awareness and collection drive** is initiated by electronics department. To improve technical skills and basic knowledge in the subject, competitions like Quiz (Snake and Ladder game), one minute game, assemble it game, written test, etc. is conducted by electronics department, in association with SPEED, SPPU.
- **Scientific Rangoli and Salad decoration competition** is organized by Microbiology department based on subject theme.
- **Biozone** an annual technical programme including guest lecture series of experts from Industry and academics is organized by Biotechnology department for providing hands on training to students.
- **Biodiversity Trail** is organized by Botany department to understand the biodiversity of the surroundings.
- **Zoocraft** an intercollegiate competition on classical and applied Zoology is organized by Zoology department.

U. G. Courses : Science Faculty

I) B.Sc. (General)

Eligibility *: H.S.C. (10+2 Science) or its equivalent with English subject

Botany -Program Specific Outcome. (PSO)-UG

Sr. No.	Objectives/ Outcomes
1	To develop the aptitude towards plant science among the students
2	Student get knowledge about various basic skills related to field as well as in the laboratory based studies in plant science
3	To explore the plant diversity and create awareness about the biodiversity conservation
4	Student will learn the technique to identify the plant sample
5	Student will understand the application of plant science in allied branches
6	Student also get knowledge how plant research has diverse applications in providing staple foods, materials such as timber, oil, rubber, fibre and drugs, in modern horticulture, agriculture and forestry, plant propagation, breeding and genetic modification, in the synthesis of chemicals and raw materials for construction and energy production, etc

Chemistry - Program Specific Outcome. (PSO)-UG

Sr. No.	Objectives/ Outcomes
1	It is expected to inspire and boost interest of the students towards chemistry as the main subject. Students are expected to understand the fundamentals, principles, mathematical concepts and analytical techniques in Chemistry.
2	Students are expected to know the importance of chemistry in everyday life. They will be able to relate physical and chemical phenomena around us with chemical point of view.
3	As the course gradually deepens the subject knowledge from first year to third year, it makes students well versed with physical chemistry, quantum mechanics, co-ordination chemistry and its applications in various fields.
4	It would help students to learn various aspects of organic chemistry and its usefulness in natural products isolations, pharmaceuticals, dyes, textiles, polymers, petroleum products, forensic etc.
5	The environmental chemistry course would create awareness and sense of responsibilities. The practical courses are in relevance to the theory courses to improve the understanding of the concepts. It would help in development of practical skills of the students. Students would be able to design, analyse and interpret data theoretically as well as practically.
6	The practical courses would help them to develop good laboratory practices, understand standard operating procedures, preparation of various solutions, identification and removal of impurities, use of analytical instruments, syntheses of complexes and small organic molecules etc.
7	The students will be thus introduced to concepts, applications and recent developments to inculcate research aptitude. It would enable to develop interdisciplinary approach of the subject for students.
8	It will help students to build up a progressive successful career and become responsible citizens

Electronics -Program Specific Outcome. (PSO)-UG

Sr. No.	Objectives/ Outcomes
1	To provide in depth knowledge of scientific and technological aspects of electronics.
2	To familiarize with current and recent technological developments.
3	To enrich knowledge through programme such as industrial visits, hobby projects, market survey etc.
4	To train students in skills required for electronics industry and market.
5.	To create foundation for research and development in Electronics
6.	To develop analytical abilities towards real world problem
7.	To help students build-up a progressive and successful career in Electronics

Mathematics - Program Specific Outcome. (PSO)-UG

Sr. No.	Objectives/ Outcomes
1	Students should be able to model, solve and interpret the practical real life problem.
2	Problem solving skills, creative talent to convert the verbal information into mathematical form are enhanced.
3	Interdisciplinary approach is developed.
4	Theoretical concepts are strengthened by solving maximum no. of problems.
5	To enhance abstract thinking of students.

Statistics - Program Specific Outcome. (PSO)-UG

Sr. No.	Objectives / Outcomes
1	The subject STATISTICS is common for all faculties because in everyday life we are required to use the concepts of STATISTICS in many ways.
2	In every field even fast growing fields like COMPUTER and BIOTECHNOLOGY we do require the basic concepts or knowledge of STATISTICS for analysis purpose.
3	So the aim is to make users of STATISTICS the importance of having the thorough knowledge of Basic Concepts of Statistics, and to avoid the misuse of STATISTICS.

Microbiology : Program Specific Outcome. (PSO)-UG

Sr. No.	Objectives/ Outcomes
1	To enrich students' knowledge and train them in various branches of Microbiology such as medical microbiology, genetics and molecular biology, biochemistry, immunology, fermentation technology; air, water, food and soil microbiology.
2	To introduce the concepts of application and research in Microbiology

3	To understand basic microbiological concepts and perform following procedures as per laboratory standards
a)	Aseptic techniques
b)	Preparation of reagents and nutrient media
c)	Isolation, characterization and maintenance of bacterial cultures
d)	Production of biofertilizers
e)	Microbial analysis/ Quality Control testing of samples such as soil, water, milk and injectibles.
f)	Biochemical and molecular biology techniques, enzyme assays, chromatography, electrophoresis.
g)	Antibiotic sensitivity testing and haematological techniques.
h)	Basic computer literacy
4	To inculcate sense of scientific responsibilities and social and environmental awareness
5	To help students build-up a progressive and successful career

Physics : Program Specific Outcome. (PSO)-UG

Sr. No.	Objectives / Outcomes
1	To improve the basic concepts of Physics by describing its application in day today life - Some Students have at least started thinking of involvement of Physics in the situations occurring in nature. It was noticed during the scientific discussions with the students.
2	To cultivate research aptitude through interdisciplinary projects- Student Research Projects are getting Converted into Research Papers.
3	To enhance the experimental skills through models and mini projects - Student's Demonstrated innovative experiments and models to the school students, Outreach programme (school activity) organized by department for school students in different schools.
4	To encourage students -centric, extra-curricular and co-curricular activities. These help the students in developing creative minds, leadership quality, ability to work in a group /with peers and also enhances their interest in the subject.

Zoology : Program Specific Outcome. (PSO)-UG

Sr. No.	Objectives / Outcomes
1	To provide quality education in a branch of Biological sciences i.e Zoology with different specializations
2	To facilitate Higher education & research in zoology
3	To Inculcate the spirit of resource conservation and love for nature
4	To provide quality education offering skill based programs and motivate the students for self employment in applied branches of Zoology
5	Provide consultancy and organize extension activities

Course Structure - Select any one group**Duration : 3 Years**

	F.Y. B.Sc.	S.Y. B.Sc.	T.Y. B.Sc.
	Groups for Div A	Groups for Div A	
1.	Physics, Chemistry, Mathematics, Electronics	1. Physics, Chemistry, Mathematics, English	1. Chemistry
2.	Physics, Chemistry, Mathematics, Statistics	2. Physics, Mathematics, Statistics, English	2. Mathematics
		3. Chemistry, Mathematics, Statistics English	3. Physics
		4. Physics, Chemistry, Zoology, English	4. Microbiology
	Groups for Div .B.	Groups for Div .B	5. Zoology
3.	Physics, Chemistry, Botany, Zoology	4. Botany, Microbiology Zoology, English	6. Botany
4.	Chemistry, Zoology Botany, Microbiology	5. Chemistry, Zoology Microbiology, English	7. Statistics
		6. Chemistry, Zoology Botany, English	(Each subject has 6 theory & 3 practical courses)

Note:

- (i) **Students who have passed Diploma in Engineering/ Pharmacy are eligible for admission in S.Y.B.Sc. course.**
- (ii) Student has to select any one group at F.Y. and S. Y. level (At SY level, select appropriate group which includes subjects offered at F.Y.)
- (iii) Environmental Awareness Course is compulsory for S.Y.B.Sc. (second term)

II) B.Sc. Blended in Chemistry

Modern College is the first college in India who has started this course.

B.Sc. Blended in Chemistry is a bachelor's degree of Savitribai Phule Pune University (SPPU) equivalent to the bachelor's degree of University of Melbourne Australia (UOM) which is among the top 40 universities in the world.

Objectives of the course

- To introduce the fundamentals of science education.
- To enrich students' knowledge in all basic sciences.
- To help the students to build the interdisciplinary approach.
- To inculcate the sense of scientific responsibilities, social and environmental awareness.
- To help students to develop a progressive and successful career in the academics and industry.

Salient features of the course

- First two rankers will get fellowship for pursuing Master degree in UOM.
- Degree certificate of SPPU and a separate certification of quality assurance by UOM.
- Students can develop a progressive career in academics and industry.
- Involves project based teaching methodology and soft skill development.
- Guidance by experts from India and abroad.
- In the first two years, the students will have Chemistry, Physics, Biology and Mathematics. Moreover, training of English Communication and Computer Programming will also be given. In the third year, students will have Chemistry as their special subject.

Note : For syllabus and other details Contact Program Coordinator :Dr. Mukula Kulkarni

III) B.Sc. Computer Science with Mathematics

Eligibility :

1. H.S.C (10+2) Science with Mathematics or its equivalent.

Programme Structure:

1. BSc Computer Science is of 3 years duration.
2. The minimum total no of credits requirement for each programme is 132. In this structure, the credits are distributed over 6 semesters.
3. The open elective included, gives the student a wide choice of subjects from other programmes.
4. The credit structure for Subjects:

Sr. No.	Objectives/ Outcomes
1	Prepare technically skilled personnel for jobs in IT sector.
2	Upgrading students with soft skills.
3	To give the core knowledge of computer science subject.
4	To give awareness and applicability of Technical courses.
5	Higher Education and Research

F.Y.B.Sc.

➤ Part One

Semester I (Total credits=22)							
Course type	Paper Code	Paper title	Credits		Evaluation		
			T	P	CA	UA	TOTAL
CC-I	CS-111	Problem Solving using Computer and 'C' Programming	2		15	35	50
	CS-112	Database Management Systems	2		15	35	50
	CS-113	Practical course based on CS101 and CS102		1.5	15	35	50
CC-II*		Mathematics – I, II and III					
CC-III*		Electronics – I, II and III					
CC-IV*		Statistics – I, II and III					

Semester II (Total credits=22)							
Course type	Paper Code	Paper title	Credits		Evaluation		
			T	P	CA	UA	TOTAL
CC-V	CS-121	Advanced 'C' Programming	2		15	35	50
	CS-122	Relational Database Management Systems	2		15	35	50
	CS-123	Practical course based on CS201 and CS202		1.5	15	35	50
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)

➤ Part Two

Semester III (Total credits=22)							
Course type	Paper Code	Paper title	Credits		Evaluation		
			T	P	CA	UA	TOTAL
CC-IX	CS-231	Data Structures and Algorithms – I	2		15	35	50
	CS-232	Software Engineering	2		15	35	50
	CS-233	Practical course based on CS301		2	15	35	50
CC-X*		Mathematics – I, II and III					
CC-XI*		Electronics – I,II and III					
AECC-I*		Environment Science – I	2				
AECC-II*		Language Communication – I	2				

Semester IV (Total credits=22)							
Course type	Paper Code	Paper title	Credits		Evaluation		
			T	P	CA	UA	TOTAL
CC-XII	CS-241	Data Structures and Algorithms – II	2		15	35	50
	CS-242	Computer Networks - I	2		15	35	50
	CS-243	Practical course based on CS401		2	15	35	50
CC-XIII*		Mathematics – I,II and III					
CC-XIV*		Electronics – I, II and III					
AECC-III*		Environment Science – I	2				
AECC-IV*		Language Communication – I	2				

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

2013 Pattern

Semester I	
Subject Code	Name of Subjects
CS -331	System Programming
CS-332	Theoretical Computer Science
CS-333	Computer Networks - I
CS-334	Internet Programming - I
CS-335	Programming in Java - I
CS - 336	Object Oriented Software Engineering

Semester II	
Subject Code	Name of Subjects
CS-341	Operating System
CS-342	Computer Construction
CS -343	Computer Networks II
CS - 344	Internet Programming II
CS - 345	Programming Java II
CS - 346	Computer Graphics
CS-347	Practicals Based on CS-331and CS-341-Sem I & Sem II
CS-348	Practicals Based on CS-335and CS-344-Sem I & Sem II and Computer Graphics using Java
CS-349	Practicals Based on CS-334and CS-344-Sem I & Sem II and Project

*Note- S. Y.B.Sc.: Environment Awareness Course is compulsory.

B. Sc. Biotechnology (CBCS Semester Pattern)

IV) B.Sc. (Biotechnology)

Eligibility: H.S.C. (10+2) Science or its equivalent Examination with English and Maths.

Biotechnology : Program Specific Outcome. (PSO)

Sr. No.	Objectives/ Outcomes
1	Students develop global competencies in the area of basic and applied biological sciences.
2	Enhancing the subject knowledge of students by using traditional and modern ICT based teaching methods and learning by doing.
3	To enrich students' knowledge and train them in various branches of Biotechnology such as genetics, molecular biology, biochemistry, immunology, fermentation technology, environmental biotechnology and tissue culture techniques.
4	To groom the students to meet futuristic challenges and national interests.
5	To bestow the students with all the research skills required to work independently
6	To develop scientific temperament and social responsibilities in the students.
7	To inculcate nature care by imparting knowledge of advance modern techniques

➤ Part One

F. Y. B. Sc.

Semester I				
Subject Code	Name of Subject	Credits	Number of Lectures	Marks
BBt-101	Fundamentals of Chemistry-I	2 Credits	30	50 (35 External +15 Internal)
BBt-102	Fundamentals of Physics	2 Credits	30	50 (35 External +15 Internal)
BBt-103	Biochemistry I	2 Credits	30	50 (35 External +15 Internal)
BBt-104	Biophysics	2 Credits	30	50 (35 External +15 Internal)
BBt-105	Animal Sciences I	2 Credits	30	50 (35 External +15 Internal)
BBt-106	Plant Sciences I	2 Credits	30	50 (35 External +15 Internal)
BBt-107	Microbiology I	2 Credits	30	50 (35 External +15 Internal)
BBt-108	Biomathematics and Biostatics-I	2 Credits	30	50 (35 External +15 Internal)

PRACTICALS

BBt-109	Practical In Chemistry and Biochemistry	1.5 Credits	15 P	50 (35 External +15 Internal)
BBt-110	Practical In Plant and animal science	1.5 Credits	15 P	50 (35 External +15 Internal)
BBt-111	Practical In Microbiology	1.5 Credits	15 P	50 (35 External +15 Internal)
BBt-112	Practical In Physics and Biophysics	1.5 Credits	15 P	50 (35 External +15 Internal)
Total Credits (Theory + Practical)		22 Credits		

Semester II

Subject code	Name of Subject	Credits	Number of Lectures	Marks
BBt-201	Fundamentals of Chemistry II	2 Credits	30	50 (35 External +15 Internal)
BBt-202	Biochemistry II	2 Credits	30	50 (35 External +15 Internal)
BBt-203	Bioinstrumentation	2 Credits	30	50 (35 External +15 Internal)
BBt-204	Animal Sciences II	2 Credits	30	50 (35 External +15 Internal)
BBt-205	Plant Sciences II	2 Credits	30	50 (35 External +15 Internal)
BBt-206	Microbiology II	2 Credits	30	50 (35 External +15 Internal)
BBt-207	Biomathematics and Biostatistics-II	2 Credits	30	50 (35 External +15 Internal)
BBt-208	Computer in biology	2 Credits	30	50 (35 External +15 Internal)

PRACTICALS

BBt-209	Practical In chemistry & Biochemistry II	1.5 Credits	15 P	50 (35 External +15 Internal)
BBt-210	Practical In Plant and animal science	1.5 Credits	15 P	50 (35 External +15 Internal)
BBt-211	Practical In Microbiology & Bioinstrumentation	1.5 Credits	15 P	50 (35 External +15 Internal)
BBt-212	Practical In Computer & Biostatistics	1.5 Credits	15 P	50 (35 External +15 Internal)
Total Credits (Theory + Practical)		22 Credits		

S. Y. B. Sc.**> Part Two**

Semester III				
Subject code	Name of Subject	Credits	Number of Lectures	Marks
BBt-301	Cell Biology I	2 Credits	30	50 (35 External +15 Internal)
BBt-302	Molecular Biology I	2 Credits	30	50 (35 External +15 Internal)
BBt-303	Genetics	2 Credits	30	50 (35 External +15 Internal)
BBt-304	Metabolism	2 Credits	30	50 (35 External +15 Internal)
BBt-305	Environmental Biotechnology	2 Credits	30	50 (35 External +15 Internal)
BBt-306	Bio analytical Techniques	2 Credits	30	50 (35 External +15 Internal)
EVS-231	AECC-I Environment Science theory Paper -1	2 Credits	30	50 (35 External +15 Internal)
LA-231	AECC-II Language theory Paper 1	2 Credits	30	50 (35 External +15 Internal)

PRACTICALS

BBt-309	Practical in Cell Biology and Genetics	2 Credits	15 P	50 (35 External +15 Internal)
BBt-310	Practical in Bio analytical Techniques	2 Credits	15 P	50 (35 External +15 Internal)
BBt-311	Practical in Molecular Biology and Environmental Biotechnology	2 Credits	15 P	50 (35 External +15 Internal)
Total Credits (Theory + Practical)		22 Credits		

Semester IV				
Subject code	Name of Subject	Credits	Number of Lectures	Marks
BBt-401	Cell Biology II	2 Credits	30	50 (35 External +15 Internal)
BBt-402	Molecular Biology II	2 Credits	30	50 (35 External +15 Internal)
BBt-403	Immunology	2 Credits	30	50 (35 External +15 Internal)
BBt-404	Animal Development	2 Credits	30	50 (35 External +15 Internal)
BBt-405	Plant Development	2 Credits	30	50 (35 External +15 Internal)
BBt-406	Microbial Biotechnology	2 Credits	30	50 (35 External +15 Internal)
EVS-241	AECC-III Environment Science theory Paper -2	2 Credits	30	50 (35 External +15 Internal)
LA-241	AECC-IV Language theory Paper 2	2 Credits	30	50 (35 External +15 Internal)

PRACTICALS

BBt-409	Practical in Molecular Biology and Microbial Biotechnology	2 Credits	15 P	50 (35 External +15 Internal)
BBt-410	Practical in Animal and Plant Development	2 Credits	15 P	50 (35 External +15 Internal)
BBt-411	Practical in Cell Biology and Immunology	2 Credits	15 P	50 (35 External +15 Internal)
Total Credits (Theory + Practical)		22 Credits		

*Note- S.Y.B.Sc.: Environment Awareness Course is compulsory.

T. Y. B. Sc.

2013 Pattern

Semester III	
Subject Code	Name of Subjects
Bb- 331	Microbial Biotechnology
Bb - 332	Plant and Animal Tissue Culture
Bb - 333	Biodiversity & Systematics
Bb - 334	Tissue Culture Techniques
Bb - 335	a) Practicals in Microbial Biotechnology b) Practicals in Field Studies and Report Writing

Semester IV	
Subject Code	Name of Subjects
Bb -341	Large Scale Manufacturing Process
Bb-342	Biochemical and Biophysical Techniques
Bb -343	Recombinant DNA Technology
Bb - 344	Techniques in Genetic Engineering
Bb - 345	a) Practicals of large scale manufacturing process b) Practicals in Biochemicals and Biophysical Techniques

IV) B.Voc. Programme for Green house technology and Food processing Technology

Duration: 3 years

Eligibility: The eligibility conditions for admission to B.Voc. programme shall be HSC (10+2) or equivalent, in any stream. Criteria for selection: First come first basis

Intake capacity: 50 for each course

Course Structure: (Credit & Semester System)

B.Voc (Food Processing Technology)

Program Specific Outcome. (PSO)-UG

Sr. No.	Objectives / Outcomes
1	To educate, train and produce modern professionals for food processing and allied industries.
2	To compete with multinationals and generate employments by developing trained professional at par global standards.

About the Course: The University Grants Commission (UGC) has launched a scheme to uplift higher education through skill development courses offered as a part of college education that leads to Bachelor of Vocational (B.Voc.) Degree with multiple exits such as Diploma/Advanced Diploma under the National Skill Qualification framework (NSQF). The B.Voc. programme is focused on providing undergraduate studies which would also incorporate specific job roles and their NOSs (National Occupational Standards) along with broad based general education. This would enable the graduates completing B.Voc. to make a meaningful participation in accelerating India's economy by gaining appropriate employment, becoming entrepreneurs and creating appropriate knowledge.

This course will identify and fill the skill gaps.

The mandate of this program is to create a course with industry- academia collaboration that will produce skilled workforce satisfying specific needs of the industry. This course will offer multiple needs of the industry. The structure will allow students to have thorough theoretical knowledge coupled with rigorous hands-on training in both laboratory and industry.

Levels of Awards

This course will offer multiple exits such as Diploma/ Advanced Diploma/ B. Voc. Degree each imparting students with employability & entrepreneurship in industry of chosen specialization which will be offered under the aegis of the University.

Award	Duration
Diploma	1 Year
Advanced Diploma	2 Years
B.Voc. Degree	3 Years

Examination Pattern: Each course will have:

50% of marks for internal (i.e in-semester) continuous assessment.

50% of marks for semester-end examination conducted by University of Pune.

Course Structure: Food processing Technology

Year-1 Semester-I		Year-1 Semester— II	
	Core Subjects		Core Subjects
Paper No.	Title of the Paper	Paper No.	Title of the Paper
BvFt 101	Food Science	Bv Ft 201	Food Biochemistry
BvFt 102	Fundamental of Microbiology	BvFt 202	Food processing operation
BvFt 103	Food chemistry and Nutrition	BvFt 203	Food safety & hygiene
BvFt 104	Food processing and engineering	BvFt 204	Food Microbiology
BvFt 105	Value education	BvFt 205	Communication skill and Technical English

Practical Subject		Practical Subjects	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
BvFt 106	Practical on Food science	BvFt 206	Practical for Food Biochemistry
BvFt 107	Practical of Microbiology	BvFt 207	Practical for Food Processing Operation
BvFt 108	Practical of Food Chemistry and Nutrition	BvFt 208	Practical on Food Safety & Hygiene
BvFt 109	Practical of Food Processing and Engineering	BvFt 209	Practical on Food Microbiology
BvFt 110	Industry Training	BvFt 210	Summer training

Year -2 Semester- III		Year -2 Semester- IV	
	Core Subjects		Core Subjects
Paper No.	Title of the Paper	Paper No.	Title of the Paper
BvFt 301	Principles of Food preservation	BvFt 401	Processing of Spices & Flavoring Agent
BvFt 302	Food safety standards	BvFt 402	Dairy Technology
BvFt 303	Post - Harvest Management	BvFt 403	Food Packaging Technology Fruits & Vegetables
BvFt 304	Food Analysis	BvFt 404	Computer Application in Food Industry
BvFt 305	Applied Statistics		
Practical Subjects			
Paper No.	Title of the Paper	Paper No.	Title of the Paper
BvFt 306	Practicals on Food preservation	BvFt 405	Practical of Processing of Spices & Flavoring Agents
BvFt 307	Practical on Food safety standards	BvFt 406	Practical on Dairy Technology
BvFt 308	Practical Post-Harvest Management	BvFt 407	Practical on Food Packing of Fruits & Vegetables
BvFt 309	Practical of Food analysis	BvFt 408	Practical on Computer Application in Food Industry
BvFt 310	Industry Training	BvFt 409	Industry Internship

Note : Environmental awareness course is compulsory for S.Y.B.Voc (Second Term)

Year -3 Semester V		Year -3 Semester VI	
	Core Subjects		Core Subjects
Paper No.	Title of the Paper	Paper No.	Title of the Paper
BvFt 501	Bakery & confectionary products technology	BvFt 601	Food Storage & Warehouse
BvFt 502	Meat, Fish & Poultry Processing	BvFt 602	Quality control and Quality assurance

BvFt 503	Product development & formulation	BvFt 603	Food laws & regulation
BvFt 504	Waste management in food industry	BvFt 604	Entrepreneurship development
BvFt 505	Management Principles and business Ethics		
	Practical Subjects		Practical Subjects
Paper No.	Title of the Paper	Paper No.	Title of the Paper
BvFt 506	Practical of Bakery & confectionary Products	BvFt 605	Practical on Food storage & Warehouse Technology
BvFt 507	Practical on Meat, Fish & Poultry Processing	BvFt 606	Practical on Quality Assurance & Certification
BvFt 508	Practical Product Development & Formulation	BvFt 607	Practical on Entrepreneurship
BvFt 509	Practical on Waste management in Food Industry	BvFt 608	Project
BvFt 509	Project & Industry Training		

Course Structure: Green House Technology

Year-1 Semester-I		Year-1 Semester-II	
Core Subjects		Core Subjects	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
BvGt 101	Plant Science	BvGt 201	Agricultural Biochemistry
BvGt 102	Plant Propagation methods	BvGt 202	Green house Plant physiology
BvGt 103	Greenhouse Machinery, Operation and Maintenance	BvGt 203	Soil Science
BvGt 104	Agricultural Microbiology	BvGt 204	Cut Flower Production
BvGt 105	Communication skill and Technical English	BvGt 205	Applied Statistics
	Practical Subjects		Practical Subjects
Paper No.	Title of the Paper	Paper No.	Title of the Paper
BvGt 106	Practical on Plant Science	BvGt 206	Practical on Agricultural Biochemistry
BvGt 107	Practical on Plant Propagation Methods	BvGt 207	Practical on Green house Plant Physiology
BvGt 108	Practical on Green House Machinery, Operation	BvGt 208	Practical on Soil Science and Maintenance
BvGt 109	Practical on Agricultural Production	BvGt 209	Practical on Cut flower Microbiology
BvGt 110	Industry Training	BvGt 210	Summer Training

Year -2 Semester- III		Year -2 Semester-IV	
Core Subjects		Core Subjects	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
BvGt 301	Nursery Management	BvGt 401	Green house Construction Technology
BvGt 302	Green House Protected Vegetable	BvGt 402	Plant Tissue Culture Technology and its Production Application
BvGt 303	Plant Pathology	BvGt 403	Environment Science
BvGt 304	Computer Application Practical Subjects	BvGt 404	Plant Breeding Practical Subjects
BvGt 305	Practical on Nursery Management	BvGt 405	Practical on Green house construction Technology
BvGt 306	Practical on Vegetable production in Green House	BvGt 406	Practical on Plant Tissue Culture Techniques
BvGt 307	Practical on Plant Pathology	BvGt 407	Practical on Environment Science
BvGt 308	Practical on Computer Application	BvGt 408	Practical on Plant Breeding in Green House
BvGt 309	Project: Proposal Writing and Defence - Industrial	BvGt 409	Industry Internship Training

Year -3 Semester V		Year-3 Semester VI	
Core Subjects		Core Subjects	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
BvGt 501	Commercial production of ornamental and floral crops in greenhouse	BvGt 601	Seed Technology
BvGt 502	Marketing and Business of Green House Technology	BvGt 602	Post Harvest Handling and Packaging of Plant
BvGt 503	Crop Pests and Management	BvGt 603	Organic Farming
BvGt 504	Entrepreneurship and Development	BvGt 604	Green House Management
Practical Subjects		Practical Subjects	
Paper No.	Title of the Paper	Paper No.	Title of the Paper
BvGt 506	Practical on Marketing and business of Green House Technology (Review and survey)	BvGt 605	Practical on Seed Technology
BvGt 507	Practical on Crop Pest Management	BvGt 606	Practical on Post Harvest handling and Packaging of Plant
BvGt 508	Project on Entrepreneurship in Green House Technology	BvGt 607	Practical on Organic farming
BvGt 509	Industry Training	BvGt 608	Practical on Green house management
		BvGt 609	Project on Green House Technology

V) BCA Science

Eligibility : Any candidate who has passed the XII standard Examination in Science stream from Maharashtra State Board of Secondary and Higher Secondary Education or equivalent Board of Examination is eligible for admission to the First Year of this program

OR

Passed Three Year Diploma Course approved by the DTE, Maharashtra State or Equivalent authority

Duration: 3 years | **Course Structure:** Choice Based Credit System Course (150 Credits)

BCA (Science) : Program Specific Outcome. (PSO)-UG

Sr. No.	Objectives/ Outcomes
1	Produce knowledgeable and skilled human resources which is employable in IT and ITES.
2	Impart knowledge required for planning, designing and building Complex Application Software Systems as well as provide support to automated systems or application.
3	Produce entrepreneurs who can develop customized solutions for small and medium Enterprises.
4	To give the Basic and advanced programming skill knowledge.
5	To give knowledge of Android Programming and Python Programming.
6	To give the basic knowledge of computer
7	To Enhance and upgrade communication skills in students.
8	To know the basic life cycle of software developments, Computer Networks and Databases

Semester 1									
Course Code	Course	Teaching Scheme Hours / Week			Examination Scheme and Marks			Credit	
		Theory	Tutorial	Practical	CE	End-Sem	Total	TH	PR
BCA111	Fundamentals of Computers	04	--	--	30	70	100	04	--
BCA112	Problem Solving and C Programming	04	--	--	30	70	100	04	--
BCA113	Applied Mathematics	04	--	--	30	70	100	04	--
BCA114	Business Communication	04	--	--	30	70	100	04	--
BCA115	Fundamentals of Computers Laboratory	--	--	03	15	35	--	50	1.5
BCA116	C Programming Laboratory	--	--	03	15	35	--	50	1.5
BCA117	Applied Mathematics Laboratory	--	--	03	15	35	--	50	1.5
BCA118	Business Communication Laboratory	--	--	03	15	35	--	50	1.5
Total Credits								16	06
Total		16	--	12	180	420	600	22	

Abbreviations: TW: Term Work TH: Theory OR: Oral TUT: Tutorial PR: Practical

Semester 2									
Course Code	Course	Teaching Scheme Hours / Week			Examination Scheme and Marks			Credit	
		Theory	Tutorial	Practical	CE	End-Sem	Total	TH	PR
BCA121	Computer Organization	04	--	--	30	70	100	04	--
BCA122	Advanced C Programming	04	--	--	30	70	100	04	--
BCA123	Operating Systems Concepts	04	--	--	30	70	100	04	--
BCA124	Database Management Systems -I	04	--	--	30	70	100	04	--
BCA125	Computer Organization Laboratory	--	--	03	15	35	050	--	1.5
BCA126	Advanced C Programming Laboratory	--	--	03	15	35	050	--	1.5
BCA127	Operating Systems Laboratory	--	--	03	15	35	050	--	1.5
BCA128	Database Management Systems - I Laboratory	--	--	03	15	35	050	--	1.5
Total Credits								16	06
Total		16	--	12	180	420	600	22	

Semester 3									
Course Code	Course	Teaching Scheme Hours / Week			Examination Scheme and Marks			Credit	
		Theory	Tutorial	Practical	CE	End-Sem	Total	TH	PR
BCA 231	Data Structures	05	--	--	30	70	100	04	--
BCA 232	Database Management Systems – II	05	--	--	30	70	100	04	--
BCA 233	Computer Networks	05	--	--	30	70	100	04	--
BCA 234	Data Structures Laboratory	--	--	04	30	35	050	--	02
BCA 235	Database Management Systems - II Laboratory	--	--	04	15	35	050	--	02
BCA236	Computer Networks and Web Programming Laboratory	02	--	04	15	35	050	--	02
	Environmental Science-I	02	--	--	15	35	050	02	--
	Language Communication – I	02	--	--	15	35	050	02	--
Total Credits								16	06
Total		21	--	12	165	385	550	22	

Semester 4									
Course Code	Course	Teaching Scheme Hours / Week			Examination Scheme and Marks			Credit	
		Theory	Tutorial	Practical	CE	End-Sem	Total	TH	PR
BCA 241	Object Oriented Programming and C++	05	--	--	30	70	100	04	--
BCA 242	Web Technology	05	--	--	30	70	100	04	--
BCA 243	Software Engineering	05	--	--	30	70	100	04	--
BCA 244	C++ Programming Laboratory	--	--	04	30	35	050	--	02
BCA 245	Web Technology Laboratory	--	--	04	15	35	050	--	02
BCA246	Python Programming Laboratory	02	--	04	15	35	050	--	02
	Environmental Science-II	02	--	--	15	35	050	02	--
	Language Communication – II	02	--	--	15	35	050	02	--
Total Credits								16	06
Total		21	--	12	165	385	550	22	

Program Structure:

- The Program is of Three Years duration with six semesters.
- It is a Full Time Degree Program.
- The program shall be based on Choice-based credit system comprising 140 credit points. (Compulsory Credit 132 + additional credit 8 from Group 2 to Group 9 as per CBCS Pattern)
- Each semesters shall have Eight Courses and 22 credits.
- Theory Courses offered shall be of 2 to 4 credits and practical courses of 4 credits each.
- For Theory Course, one credit is equivalent to one clock hour direct teaching in a week and for Practical Course, one credit is equivalent to one and half hours of laboratory work in a week.
- For S.Y.BCA Laboratory session of 4 hours 20 minutes duration to be conducted for each batch of 12 students per week. Theory lectures will be conducted for the whole class at a time.
- Continuous assessment shall be carried out based on performance in both lab and theory sessions.
- End semester practical exam shall be conducted based on assignments carried out during lab sessions only.
- Environmental Awareness course is compulsory for Second year students

Evaluation Pattern:

- Each course carrying 100 marks shall be evaluated with Continuous Assessment (CA) and University Evaluation (UE) mechanism. Continuous assessment shall be of 30 marks while University Evaluation shall be of 70 marks. To pass in a course, a student has to secure minimum 40 marks provided that he should secure minimum 28 marks in University Evaluation (UE).
- Each course carrying 50 marks shall be evaluated with University Evaluation (UE) mechanism. To pass in a course student has to secure minimum 20 marks.
- CA shall be based on internal tests (minimum 2 for 20 marks). In addition, for remaining 10 marks a teacher may assign various activities such as home assignments, tutorials, seminars, presentations, group discussion etc, to the students and evaluate accordingly

ATKT Rules:

- Minimum number of credits required to take admission to Second Year of B.C.A.: 32 credit points (Old pattern) and 31 credits (CBCS pattern) [70%]
- Minimum number of credits required to take admission to Third Year of B.C.A.: 80 credit points (Old pattern).

Lateral Entry to SYBCA:

Any candidate who has passed three Year Diploma course in Computer Engineering / Technology / Information Technology/Electronics Communication/ Electronics Telecommunications/ Electronics approved by the DTE, Maharashtra State or Equivalent authority is eligible for admission to direct second year (SYBCA) of this program.

P.G. Courses - Science Faculty

I) M.Sc. (Microbiology)

Eligibility: B.Sc. (Microbiology) OR Microbiology as one of the subject in T.Y.B.Sc.

Criteria for selection: Based on B.Sc. (Microbiology) / B.Sc. (Biotechnology) Merit

Program Specific Outcome. (PSO)-PG

Sr. No.	Objectives/ Outcomes
1	To enrich specific knowledge in areas like Cell biology, Biochemistry, Biostatistics and bioinformatics, Biophysics and Instrumentation, Virology, Molecular Biology, Pharmacology, waste water microbiology, Immunology and microbial technology.
2	To understand basic microbiological concepts and perform following procedures as per laboratory standards
a)	Isolation and characterization of microbes belonging to different taxonomic groups and ecological niches.
b)	To develop the expertise to use and handle various instruments used in Microbiology laboratory as per SOPs.
c)	Molecular biology and immunological techniques
d)	Literature survey, design and execution of plans and protocols for experimentation, data analysis and interpretation, scientific communication as part of dissertation.
e)	Basic statistics and bioinformatics required for life sciences.
f)	Presentation skills and Team work
3	To inculcate sense of scientific responsibilities.
4	To help students build-up a progressive and successful career.
5	To inculcate social and environmental awareness.

➤ Part One

Semester I		Semester II	
Course code	Course Title	Course code	Course Title
Core Compulsory Theory Papers (CCTP)		Core Compulsory Theory Papers (CCTP)	
MB 501	Microbial Systematics	MB 601	Instrumentation and Molecular Biophysics
MB 502	Quantitative Biology	MB 602	Molecular Biology
MB 503	Biochemistry and Metabolism	MB 603	Enzymology, Bioenergetics and Metabolism
Choice Based Optional Papers: CBOP (any One)		Choice Based Optional Papers: CBOP (any One)	
MBTE 11	Fungal systematics and Extremophiles	MBTE 21	Bioinformatics and Bio-nanotechnology
MBPE 11	Practical based on Fungal systematics and Extremophiles	MBPE 21	Practical based on Bioinformatics and Bio-nanotechnology
OR		OR	
MBTE 12	Experimental design and Quantitative approaches for Biologist	MBTE 22	Molecular Biology tools and applications
MBPE 12	Practical based on Experimental design and Quantitative approaches for Biologist	MBPE 22	Practical based on Molecular Biology tools and applications
OR		OR	
MBTE 13	Microbial communication, Membrane transport and signal transduction	MBTE 23	Nitrogen Metabolism, respiration and Photosynthesis
MBPE 13	Practical based on Microbial communication, Membrane transport and signal transduction	MBPE 23	Practical based on Nitrogen Metabolism, respiration and Photosynthesis
Core Compulsory Practical Paper (CCPP)		Core Compulsory Practical Paper (CCPP)	
MBCP 1	Biochemical Techniques (Practical based on compulsory theory credits)	MBCP 2	Molecular biology, enzymology and instrumentation Techniques (Practical based on compulsory theory credits)

II) M.Sc. (Organic Chemistry)

Eligibility: B.Sc. Chemistry

Duration: 2 years.

Criteria for selection: Based on B.Sc (Chemistry) merit.

Program Specific Outcome. (PSO) -PG

Sr. No.	Objectives / Outcomes
1	To enrich specific knowledge in areas like thermodynamics, kinetics, quantum chemistry, nuclear chemistry, spectroscopy, organometallics, bio-inorganics, reaction mechanisms, photochemistry, biochemistry, medicinal chemistry etc. which will give a bird's eye view to the scope of chemistry.
2	It would help students to learn applications of various facets of chemistry and their importance.
3	Problem solving will inculcate logical thinking to address a problem and become result oriented with a positive attitude.
4	Practical courses will refine the basic techniques and their use for analyses, syntheses, basic computer skills and research. It would develop analytical independent thinking required for academics, research and industrial work.
5	Literature reading and project work will help for strategic planning and execution, to know recent developments in chemistry, its interdisciplinary relevance and create interest for research.
6	The credit system would help them to improvise their presentation skills, strive for excellence and create awareness of their social and environmental responsibilities.
7	To help students build up a progressive successful career.

➤ Part One

Semester I		Semester II	
Course code	Course Title	Course code	Course Title
Core Compulsory Theory Papers (CCTP)		Core Compulsory Theory Papers (CCTP)	
CCTP-1 (CHP-110)	Physical Chemistry – I (Fundamentals of Physical Chemistry)	CCTP-4 (CHP-210)	Physical Chemistry – II (Molecular Spectroscopy and Nuclear Chemistry)
CCTP-2 (CHP-110)	Inorganic Chemistry – I (Molecular Symmetry & Chemistry of main group elements)	CCTP-5 (CHI-230)	Inorganic Chemistry – II (Coordination and Bioinorganic Chemistry)
CCTP-3 (CHP-110)	Organic Chemistry – I (Basic Organic Chemistry)	CCTP-6 (CHO-250)	Organic Chemistry – II (Photochemistry, Pericyclic and organic Spectroscopy)
Choice Based Optional Papers (CBOP)		Choice Based Optional Papers (CBOP)	
CBOP - 1 (CHG - 190)	Sec.- I: General Chemistry – I Theory (Any 1) A: Introduction to solid state of matter B: Mathematics for Chemists C: Introduction to Chemical Biology - I	CBOP-2 (CHG -290)	Sec.- I: General Chemistry – II Theory (Any 1) A: Material characterization Technique B: Organometallics and Inorganic Reaction Mechanism C: Introduction to Chemical Biology- II
	Sec.- II: General Chemistry Practical (Any 1) A: Inorganic Chemistry-Material Analysis, Synthesis and Applications B: Chemical Biology Practical - I		Sec.- II: General Chemistry Practical (Any 1) A: Electroanalytical Techniques of Analysis. B: Chemical Biology Practical – II
Core Compulsory Practical Paper (CCPP)		Core Compulsory Practical Paper (CCPP)	
CCPP-1 (CHP-107)	Basic Practical Chemistry – I Sec. – I: Physical Chemistry Practical Sec. – II: Organic Chemistry Practical	CCPP-2 (CHP-127)	Basic Practical Chemistry – II Sec. – II: Inorganic Chemistry Practical Sec. – II: Organic Chemistry Practical

➤ Part Two

Semester III		Semester IV	
Course code	Course Title	Course code	Course Title
Core Compulsory Theory Papers (CCTP)		Core Compulsory Theory Papers (CCTP)	
CCTP-7	Organic Reaction Mechanism and Biogenesis	CCTP -10	Natural Products
CCTP-8	Structure Determination of Organic Compounds by Spectroscopic Methods	CCTP-11	Organometallic Reagents on Organic Synthesis
CCTP-9	Stereo chemistry and Asymmetric Synthesis of Organic Compounds	CBOP-4	CBOP -4A Concepts and Applications of Medicinal Chemistry or CBOP-4A Applied Organic Chemistry Select any two parts from A, B, C A) Ternary Mixture Separations B) Carbohydrates Synthesis and Isolation of Natural Products C) Project/Industrial Training/Internships (including Science Academy Summer Project)
CBOP-3	CBOP -3A Protection-De-protection, Chiron approach and Carbohydrate Chemistry or CBOP-3B Designing Organic Synthesis and Heterocyclic Chemistry		
CCPP-3	Solvent Free Organic Synthesis		
		CCTP-11	A) Convergent and Divergent Organic Synthesis

III) M.Sc: Zoology

Eligibility : The candidate should have a B.Sc degree with Zoology as principal subject or B.Sc (General) degree with Zoology as one of the subsidiary subjects. Graduates in any Life Science related subjects such as Biotechnology, Bioinformatics, Life Science, Biochemistry, Microbiology, Agriculture, Veterinary Sciences, Biology, Botany, etc.

Criteria for selection : Merit wise

Duration : 2 Years

Program Specific Outcome. (PSO)-PG

Sr. No.	Objectives/ Outcomes
1	Animal Systematics: helps to classify the organism based on its characteristics which are expressed can be examined visually or can be tested by other means
2	Cell Biology: Students will understand how these cellular components are used to generate and utilize energy in cells. These can include responses to environmental or physiological changes, or alterations of cell functions.
3	Genetics: To describe applications and techniques of modern genetic technology, as well as select the correct techniques to solve practical genetic problems.
4	Applied Zoology: To provide a strong foundation and motivation for applying fundamental concepts of Zoology in basic research to meet global challenges. To make students to acquire more practical knowledge
5	Histology: The fundamental aim of histology is to determine how tissues are organized at all structural levels, from cells and intercellular substances to organs. To understand the core anatomy of tissues and cells.
6	Biochemistry: The course aims to provide an advanced understanding of the core principles and topics of Biochemistry and their experimental basis, and to enable students to acquire a specialised knowledge and understanding of selected aspects by means of a stem/branch lecture series and a research project.
7	Environmental Toxicology: Environmental toxicology is the area of study concerned with harmful effects of chemicals upon ecosystems. So it helps in understanding and eradicating problems of toxicity.
8.	Parasitology: Understand and practice basic laboratory techniques used for diagnosis of parasitic infection, of different specimens through detection and identification of parasites. The course covers the following subjects per individual parasite
9	Biological techniques: To provide a comprehensive education in biology that stresses scientific ... laboratory skills, and field techniques.
10	Physiology and Endocrinology: To learn the basic and advanced endocrine biochemistry, physiology and patho physiology. To accumulate a critical mass of fundamental information and practical approaches.
11	General Embryology: To understand complete details about the structures, development of human embryo at different stages including gametogenesis, fertilization, and implantation. Also, the students have the ability to correlate between the embryological structure and its clinical significance.
12	Organic Evolution: The student will be able to explain the process of organic evolution and its underlying principles and mechanisms.
13	Molecular Biology: Molecular biology deals with nucleic acids and proteins and how these molecules interact within the cell to promote proper growth, division, and development.
14	Entomology: To study basic aspects of arthropod ecology, morphology, parasitology, physiology, systematics and toxicology to applied subjects in apiculture, agricultural, medical and veterinary pest management

➤ **Part One**

Semester I		Semester II	
Course code	Course Title	Course code	Course Title
Core Compulsory Theory Papers (CCTP)		Core Compulsory Theory Papers (CCTP)	
ZOUT 111	Biochemistry and Biochemical Techniques	ZOUT 121	Molecular Biology and Bioinformatics
ZOUT 112	Cell Biology and Developmental Biology	ZOUT 122	Endocrinology and Parasitology
ZOUT 113	Genetics and English in Scientific Communication	ZOUT 123	Comparative Animal Physiology and Environmental Biology
Choice Based Optional Papers (CBOP)		Choice Based Optional Papers (CBOP)	
ZODT 114	Biostatistics / Fresh water Zoology Theory	ZODT 124	Metabolic Pathways / Ichthyology
ZODP 114	Zoology Practical Paper - 1 Practical	ZODP 124	Zoology Practical Paper - 2 Practical
Core Compulsory Practical Paper (CCPP)		Core Compulsory Practical Paper (CCPP)	
ZOUP 115	Basic Zoology Lab - I	ZOUP 125	Basic Zoology Lab - II

➤ **Part Two**

Semester III		Semester IV	
Course code	Course Title	Course code	Course Title
Core Compulsory Theory Papers (CCTP)		Core Compulsory Theory Papers (CCTP)	
ZOUT 231	Special Paper Entomology-I	ZOUT 241	Special Paper -I Entomology-II
ZOUT 232	Fundamentals of Systematics and Economic Zoology	ZOUT 242	Mammalian Reproductive Physiology and Aquaculture
ZOUT 233	Research Methodology and Insect Physiology Biochemistry	Choice Based Optional Papers (CBOP)	
Choice Based Optional Papers (CBOP)		ZODT 243	Histology and Histochemistry
ZODT 234	Immunology	ZODP 243	Zoology Practical Paper - 4 corresponding to ZOUT 241 and ZODT 243)
ZODP 234	Zoology Practical Paper - 3 Practical	ZODP 244	Apiculture
Core Compulsory Practical Paper (CCPP)		ZODP 244	Zoology Practical Paper - 5 corresponding to ZOUT 242 and ZODT 244)
ZOUP 235	Basic Zoology Lab - I	Core Compulsory Practical Paper (CCPP)	
		ZOUP 245	Project

IV) M.Sc. (Biotechnology)

Eligibility: B.Sc. Biotechnology

Criteria for selection: On the basis of Merit.

Total Intake : 48

Program Specific Outcome. (PSO)-PG

Sr. No.	Objectives/ Outcomes
	After successful completion of this post-graduate degree program, the students should be able:
1	to understand the need and impact of biotechnological tools, techniques and solutions to the problems and issues pertaining to environment and society in view and need for sustainable solution
2	to be aware in social, ethical, and professional issues of contemporary practices in biotechnology and related fields
3	to design, perform experiments, analyze and interpret data for investigating complex problems in subjects covered in the program
4	to undertake the responsibilities as an individual and as a team in a multidisciplinary environment
5	to develop oral and written skills for effective communication
6	to acquire knowledge and competence for clearing various examinations to such as CSIR-NET, ARS-NET GATE, ICMR, and DBT for pursuing higher studies (M.Phil, Ph.D)
7	to design experiments and undertake research work
8	to develop commercially viable processes and technologies in biotechnology related areas
9	to acquire knowledge and competence for initiating start-ups in biotechnology related areas
10	to visualize the current and future trends in science, life sciences and inter-disciplinary fields

➤ **Part One**

Semester I		Semester II	
Course code	Course Title	Course code	Course Title
Core Compulsory Theory Papers (CCTP)		Core Compulsory Theory Papers (CCTP)	
MBT- 101	Advanced Biological Chemistry	MBT- 201	Genetic Engineering
MBT- 102	Cell & Molecular Biology	MBT- 202	Bacteriology and Virology
MBT- 103	Genetics & Immunology	MBT- 203	Plant Biotechnology
Core Compulsory Practical Paper: CCPP-1		Core Compulsory Practical Paper : CCPP-2	
MBT- 104	Laboratory Course I - Advanced Biological Chemistry, Cell and molecular biology, Immunology	MBT- 204	Laboratory Course II - Genetic Engineering, Bacteriology and Virology, Plant Biotechnology
Choice Based Optional Papers: CBOP (any One)		Choice Based Optional Papers: CBOP (any One)	
MBT -105	Environmental Biotechnology	MBT -205	Clinical Research, Data Base management, & IPR
MBT -106	Food Biotechnology	MBT -206	Medical Biotechnology

➤ **Part Two**

Semester III		Semester IV	
Paper No	Title of the paper	Paper No	Title of the paper
MBT301	Animal and Stem Cell Technology	MBT401	Genomics and Proteomics
MBT302	Bioprocess Engineering	MBT402	Advanced Bio-Analytical Techniques
MBT303	Bioinformatics and Biostatistics	MBT403	Research Project
MBT304	Laboratory Course III	MBT405	Pharmaceutical Biotechnology and Drug Designing
MBT305	Nanobiotechnology	MBT406	Research Methodology and Scientific Communication
MBT306	Agricultural Biotechnology		

V) M.Sc. (Computer Science)

Eligibility: The candidate should have a B.Sc. degree with Computer Science as principal subject.

Computer Science : Program Specific Outcome. (PSO)-PG

Sr. No.	Objectives/ Outcomes
1	Prepare technically skilled personnel for jobs in IT sector.
2	Upgrading students with soft skills.
3	Preparing students for global competition.
4	Developing students skill sets as an Entrepreneur
5	Higher Education and Research

Criteria for Selection: As per the selection procedure / policies adopted by the college, in accordance with conditions laid down by the SavitribaiPhule Pune University.

Course Structure (Credit and Semester System)

Duration- 2 years

➤ Part One

Year/ Sem	Course Type	Course Code	Course Name	Credit	% of Assessment		
					IA	UE	Total
I Year Sem-I	Core Compulsory Theory Paper	CSUT111	Paradigm of Programming Language	4	30	70	100
		CSUT112	Design and Analysis of Algorithms	4	30	70	100
		CSUT113	Database Technologies	4	30	70	100
	Choice Based Optional Paper	CSDT114A	Cloud computing	2	15	35	50
		CSDP114A	Cloud Computing Practical	2	15	35	50
		OR					
		CSDT114B	Artificial Intelligence	2	15	35	50
		CSDP114B	Artificial Intelligence Practical	2	15	35	50
		OR					
		CSDT114C	Web Services	2	15	35	50
		CSDP114C	Web Services Practical	2	15	35	50
Core Compulsory Practical Paper	CSUP115	PPL and Database Technologies Practical	4	30	70	100	

Year/ Sem	Course Type	Course Code	Course Name	Credit	% of Assessment		
					IA	UE	Total
I Year Sem-II	Core Compulsory Theory Paper	CSUT121	Advanced Operating System	4	30	70	100
		CSUT122	Mobile Technologies	4	30	70	100
		CSUT123	Software Project Management	4	30	70	100
	Choice Based Optional Paper	CSDT124A	Project	2	15	35	50
		CSDP124A	Project related Assignments	2	15	35	50
		OR					
		CSDT124B	Human Computer Interaction	2	15	35	50
		CSDP124B	Human Computer Interaction Practical	2	15	35	50
		OR					
		CSDT124C	Soft Computing	2	15	35	50
		CSDP124C	Soft Computing Practical	2	15	35	50
Core Compulsory Practical Paper	CSUP125	Practical on Advanced OS & Mobile Technologies	4	30	70	100	

Year/ Sem	Course Type	Course Code	Course Name	Credit	% of Assessment		
					IA	UE	Total
II Year Sem-III	Core Compulsory Theory Paper	CSUT231	Software Architecture and Design Pattern	4	30	70	100
		CSUT232	Machine Learning	4	30	70	100
		CSUT233	Evolutionary Algorithms	4	30	70	100
	Choice Based Optional Paper	CSDT234A	Big Data	2	15	35	50
		CSDP234A	Big Data Practical	2	15	35	50
		OR					
		CSDT234B	Web Analytics	2	15	35	50
		CSDP234B	Web Analytics Practical	2	15	35	50
		OR					
		CSDT234C	Project	2	15	35	50
		CSDP234C	Project related Assignments	2	15	35	50
Core Compulsory Practical Paper	CSUP235	Practical on Software Architecture and Design Pattern and Machine Learning	4	30	70	100	

Year/ Sem	Subject	Paper	Title of Paper	Credit	% of Assessment		
					IA	UE	Total
II Year Sem-IV	Core	CSUIT241	Industrial Training /Institutional project	20			

IA :- Internal Assessment, UE :- University Examination

VI) M.Sc. (Mathematics)

Eligibility: B.Sc. Mathematics

Computer Science : Program Specific Outcome. (PSO)-PG

Sr. No.	Objectives/ Outcomes
1	To take care of fast development in the knowledge of mathematics.
2	To enhance the quality and standards of Mathematics Education.
3	To provide a broad common frame work, for exchange, mobility and free dialogue across the Indian Mathematical and associated community.
4	To create and aptitude for Mathematics in those students who show a promise for higher studies and creative work in Mathematics.
5	To create confidence in others, for equipping themselves with that part of Mathematics which is needed for various branches of Sciences or Humanities

Criteria for Selection: As per the selection procedure / policies adopted by the college, in accordance with conditions laid down by the SavitribaiPhule Pune University.

Course Structure (Credit and Semester System)

Duration- 2 years

➤ Part One

Sr. No.	Semester I		Semester II	
	Course code	Course Title	Course code	Course Title
1.	MTUT 111	Linear Algebra	MTUT 121	Complex Analysis
2.	MTUT 112	Real Analysis	MTUT 122	Topology
3.	MTUT 113	Ordinary Differential Equations	MTUT 123	Ring Theory
4.	MTUT 114	Advance Calculus	MTUT 124	Advance Numerical Analysis
5.	MTUT 115	Group Theory	MTUT 125	Partial Differential Equation

➤ Part Two

Sr. No.	Semester III		Semester IV	
	Course code	Course Title	Course code	Course Title
Compulsory courses:				
1.	MTUT 131	Functional Analysis	MTUT 141	Fourier Series and Boundary Value Problems
2.	MTUT 132	Field Theory	MTUT 142	Differential Geometry
3.	MTUT 133	Introduction to Data Science	MTUT 143	Programming with Python
O=Optional Courses (Any Two)				
4.	MTUTO 134	Discrete Mathematics	MTUT 141	Number Theory
5.	MTUTO 135	Mechanics	MTUT 142	Algebraic Topology
6.	MTUTO 136	Advanced Complex Analysis	MTUT 143	Representation Theory of Finite Groups
7.	MTUTO 137	Integral Equations	MTUT 144	Coding Theory
8.	MTUTO 138	Differential Manifolds	MTUT 145	Probability and Statistics
9.	MTUTO 139	Students can choose one course from Swayam /NPTEL / E- Pathashala etc, if interested	MTUT 146	Students can choose one course from Swayam /NPTEL/ E-Pathashala etc , if interested

- The educational tour is compulsory.
- The theory and practical examination will be as per University rules and regulations.

VII) M.Sc. (Computer Applications)

1) Eligibility:

A Bachelor Degree in Science/Technology/Engineering with minimum 50% marks or equivalent for student belonging to Unreserved Category and minimum 45% or equivalent for students belonging to the Reserved Category.

Admission: Admissions will be offered as per the selection procedure / policies adopted by the respective colleges, in accordance with conditions laid down by the Savitribai Phule Pune University. Reservation and relaxation will be as per the government rules.

2) Course structure:

➤ Part One

Semester I									
Course Code	Course	Teaching Scheme Hours / Week			Examination Scheme and Marks			Credit	
		Theory	Tutorial	Practical	IE	UE	Total	TH	PR
CA-CCTP-1	Web Technology Computer	04	--	--	30	70	100	04	--
CA-CCTP-2	Advance Databases	04	--	--	30	70	100	04	--
CA-CCTP-3	Design and Analysis of Algorithm	04	--	--	30	70	100	04	--
CA-CBOP-1	Object Oriented Programming with C++	02	--	--	50	--	50	02	--
CA-CBOP-1	Object Oriented Programming with C++ Laboratory	--	--	04	50	--	50	--	2
OR									
CA-CBOP-1	Data Mining and Warehousing	02	--	--	50	--	50	02	--
CA-CBOP-1	Data Mining and Warehousing (Practical)	--	--	04	50	--	50	--	2
OR									
CA-CBOP-1	Software Testing (Manual)	02	--	--	50	--	50	02	--
CA-CBOP-1	Software Testing (Manual) Practical	--	--	04	50	--	50	--	2
CA-CCPP-1	Web Technology Laboratory	--	--	08	30	70	100	--	4
Total Credits								14	06
Total		14	--	12	220	280	500	20	

Semester II									
Course Code	Course	Teaching Scheme Hours / Week			Examination Scheme and Marks			Credit	
		Theory	Tutorial	Practical	IE	UE	Total	TH	PR
CA-CCTP-4	Object Oriented Programming with Java	04	--	--	30	70	100	04	--
CA-CCTP-5	Advanced Operating System	04	--	--	30	70	100	04	--
CA-CCTP-6	Artificial Intelligence	04	--	--	30	70	100	04	--
CA-CBOP-2	ASP.Net Using C#	02	--	--	50	--	50	02	--
CA-CBOP-2	ASP.Net Using C# (Practical)	--	--	04	50	--	50	--	2
	OR								
CA-CBOP-2	Big Data	02	--	--	50	--	50	02	--
CA-CBOP-2	Big Data Using Hadoop (Practical)	--	--	04	50	--	50	--	2
	OR								
CA-CBOP-2	Software Testing (Automated)	02	--	--	50	--	50	02	--
CA-CBOP-2	Software Testing (Automated) Practical	--	--	04	50	--	50	--	2
CA-CCPP-2	Java Programming (Practical)	--	--	08	30	70	100	--	4
Total Credits								14	06
Total		14	--	12	220	280	500	20	

➤ Part Two

Semester III									
Course Code	Course	Teaching Scheme Hours / Week			Examination Scheme and Marks			Credit	
		Theory	Tutorial	Practical	IE	UE	Total	TH	PR
CA- CCTP-7	Mobile Application Development Using Android	04	--	--	30	70	100	04	--
CA- CCTP-8	Internet of Things	04	--	--	30	70	100	04	--
CA- CCTP-9	Soft Computing	04	--	--	30	70	100	04	--
CA- CBOP-3	Web Services	02	--	--	50	--	50	02	--
CA- CBOP-3	Web Services Using ASP.Net (Practical)	--	--	04	50	--	50	--	2
	OR								
CA- CBOP-3	Data Analytics Using Python	02	--	--	50	--	50	02	--
CA- CBOP-3	Data Analytics Using Python (Practical)	--	--	04	50	--	50	--	2
	OR								
CA- CBOP-3	Project	02	--	--	50	--	50	02	--
CA- CBOP-3	Project Based Assignment	--	--	04	50	--	50	--	2
CA- CCPP-3	Android Programing (Practical)	--	--	08	30	70	100	--	4
Total Credits								14	06
Total		14	--	12	220	280	500	20	

Semester IV									
Course Code	Course	Teaching Scheme Hours / Week			Examination Scheme and Marks			Credit	
		Theory	Tutorial	Practical	IE	UE	Total	TH	PR
	Industrial Training								
Total Credits								12	08
Total		12	--	16	290	210	500	20	

Abbreviations: IE: Internal Evaluation UE: External Evaluation TH: Theory PR: Practical CA: M. Sc. (Computer Applications)

Physical Education

Compulsory Physical Education Credits

(For All FY Students)

For enhancing physical efficiency and maintaining fitness of mind, and body, which would help the student to be mentally alert and physically efficient to withstand the strain and fatigue of daily life, SPPU has made compulsory Physical Education credits to be earned during the first year of the degree. There will be 50 marks exams conducted during the academic year and students are also expected to submit a handwritten project of yoga either in english or marathi. The project will include brief history of yoga, Information of asanas recommended in the syllabus. How to do Asana, Contraindications and benefits of asana and students' own photo of final pose while doing asana will be the part of explanation of the asana in the project. Regular two lectures per week will be conducted as per time table of the class.

PRACTICAL EVALUATION OF THE ASANAS :

For evaluation purposes, students must perform five Asanas. Out of these Five Asanas, 2 Standing Pose, 1 Sitting Pose, 1 Supine Position and 1 from Prone Position as per their choice.

Each Asana will be awarded from 0-10 Marks. The evaluation is further distributed as under :-

- a) Technical Execution (Presentation) 4 Marks
- b) Complete Posture 4 Marks
- c) Retention period 2 Marks

EXPLANATION :

a) Technical Execution (Presentation) 4 marks. It involves methodical approach in its presentation which further depends on

- i) Arriving to the posture,
- ii) Alighting from the posture,
- iii) Expression,
- iv) Breathing

b) Complete Posture 4 marks. Attainment of the final posture and while being in this position certain aspects deem necessary to be taken into consideration to constitute a complete posture

- i) Stability in the posture,
- ii) Calmness & tranquility,
- iii) Exactness and correctness,
- iv) Smoothness and degree of flexibility,
- v) Body alignment, its angles and beauty.

c) Retention 2 marks. All final positions are required to be held for 20 seconds each. During retention period no shivering, no untoward movement, consistent breathing, calm face expression and proper body language is essential.

For further details please go through the FY PE Syllabus on the website .

Examination Procedure

General Instructions

- All the students are informed to use online application system for submitting examination form (online portal **exam.unipune.ac.in** of examination section of Savitribai Phule Pune University)
- A Student has to obtain eligibility certificate before filling examination form.
- After declaration of results college notifies about filling online rechecking (Photo copy of answer sheets)/ revaluations forms
- Passing percentage in all subjects is 40 %.
- ATKT rules are applicable as per SPPU norms.
- Internal examinations will be conducted only once per semester / term.
- All the first year level (F.Y.) examinations will be conducted by the college itself as per the University guidelines.
- Students of first year of all the faculties have to appear for Physical Education examination.

Students who do not fulfil this condition will not be permitted to appear for the Annual examination.

- Medical check up is compulsory for students of first year of all the faculties. Students who do not fulfil this condition will not be permitted to appear for Annual examination.
- **EVS, Environment Awareness Course is compulsory for all S. Y. B. A. / S. Y. B. Com / S.Y. B. Sc. Students. Passing in EVS is mandatory to acquire a Degree Certificate.**

A student appearing for the examination must obey the following instructions:

A. While entering the examination hall

1. Make sure that you are not in possession of any material such as books, note-books, scribbled notes, mobile, etc., which may

tempt one to copy or use as a reminder.

2. Do not take away any answer-book or supplement (written or blank) while leaving the examination hall.
3. Do not speak or communicate in any way with any other candidate in the examination hall while the examination is going on.
4. Do not disobey any instruction/s issued to you by the Senior or Junior Supervisor.
5. Do not behave in a rude or disobedient manner. Failure to observe the instructions may result in expelling the candidate instantly and punishing the misconduct or breach of rules by excluding the candidate from any University or College Examination or Course for a specified period or permanently.

B. While writing in the examination hall

1. Write on both sides of the answer book.
2. Write the answer- books in blue or black ink/ball pen only. Use of coloured pencil or ink in case of diagrams and sketches is permitted.
3. Do not write your name in any part of your answer-book or disclose your identity in any other manner.
4. Do not write anything on your question paper or the blotting paper.
5. Do not write your seat number anywhere except in the space provided. If seat number is written anywhere else, it will be treated as 'unfair means' and the performance will be treated as null and void for the entire examination.
6. Address all your queries to your supervisor, do not leave your Seat on any account.
7. If you suspect that there is some error in the question paper, immediately bring it to the notice of the Senior Supervisor so as to enable him to rectify it after making the necessary enquiries. In case the Senior Supervisor is unable to rectify the error while the paper is in

progress, you should bring the suspected error to the notice of the University through the Chief Conductor of the Examination centre immediately.

8. Write your answer in a legible handwriting. Answers written in an illegible and indecipherable handwriting are liable to be unassessed.
9. In case a part of the answer to a question is written on a page not immediately succeeding the page on which the main body of the answer is written, the fact must be clearly indicated at the end of the complete answer, otherwise the part of the answer is liable to remain unassessed.
10. You will not be permitted to leave the examination hall until half an hour after the question papers are distributed and during last 10 minutes of the schedule time prescribed for the particular examination.
11. Exchange of writing materials, stencils, mathematical instruments, etc., is strictly prohibited.
12. An act of copying or impersonation at an examination is punishable under 'The Maharashtra Prevention of Malpractice at University, Board and other specified examinations, 1982'. The act passed to the effect.
13. Do not write answers in wrong sections as these will not be examined.

C. While handing over the answer-books to the supervisor

1. Make sure that you have completely and correctly written your seat number and other details on the cover page of the answer-book/s and supplement/s.
2. All answer-books and supplements supplied to you must be handed over to the Supervisor intact whether written in or blank.

Grant of additional marks for extra-curricular activities (University Ordinance no. 163):

1. Five additional marks may be granted to

candidate appearing for University examination of any degree, as an incentive, for his/her participation in any one or more of the following activities:

- a. **National Cadet Corps (NCC):** Candidate enrolled in NCC must have passed 'B' and/or 'C' certificate examination and /or Candidate enrolled in NCC must have attended 75 % parades out of total no. of parades and one camp prescribed for NCC.
- b. **National Service Scheme (NSS):** Candidate enrolled in NSS must have completed 120 hours of effective work and attended the necessary number of camps.
- c. **National Physical Efficiency Drive:** Candidate enrolled in this must have acquired three stars under the programme.
- d. **Inter-University, National / International Sports tournaments / debating / elocution/ dramatics / mock court and such other competitions as approved by the Executive Council from time to time.**
- e. **Adult Education Programme of Savitribai Phule Pune University**

A candidate must have completed at least 200 clock hours work to the satisfaction of the project in-charge and secured necessary certificate of the course.

2. The additional marks shall be granted to the candidate only for that examination during the course of which the candidate has participated in the activities mentioned above.
3. A student shall submit an application form before the date of commencement of his/her examination along with prescribed fees for the grant of additional marks along with necessary original certificate or copies thereof countersigned by the Principal of the College. No application received after the commencement of examination shall be entertained by the University.

Examination Pattern

Class	Term End/Mid Term	University Exam	Total Marks	Aggregate Marks
F.Y.B.A.	30 Marks	70 Marks	100	1200
S.Y.B.A.	30 Marks	70 Marks	100	1200
T.Y.B.A.	20 Marks	80 Marks	100	600
F.Y.B.Com.	30 Marks	70 Marks	100	1400
S.Y.B.A.	30 Marks	70 Marks	100	1200
T.Y.B.A.	20 Marks	80 Marks	100	600

Class	First Term	Second Term	Total Marks	Aggregate Marks
F.Y.B. Sc/ Comp. Sc.	15 + 35 •	15 + 35 •	100	1200
S.Y.B. Sc/ Comp. Sc.	15 + 35 •	15 + 35 •	100	1000
T.Y.B. Sc/ Comp. Sc.	10 + 40	10 + 40	100	900

- **This is applicable for Practical and Theory.**

Note :

➤ **Science Faculty :**

Practical for T.Y.B. Sc. (except maths) . Annual Practical Exam will be conducted.

T.Y.B. Sc. (Mathematics) – Semester wise Practical Exam will be conducted.

T.Y.B. Sc. (Biotech) – Semester wise Practical Exam will be conducted.

➤ **Commerce Faculty : (For T.Y.B.Com Only)**

Practical Subjects : Marks Scheme : 20+20+60 = 100

(20 for practical , 20 for Term End Exam and 60 for Final Exam)

Individual passing in Theory and Practical is necessary, i.e. 32 out of 80 (Theory), 8 out of 20 (Practical). If Student fails in two practicals, there will be a year down.

Non – Practical Subjects : Marks Scheme : 20+80 = 100

(20 for term end and 80 for final exam) Minimum 40 marks out of 100 are required for passing.

The examination pattern for PG courses will be implemented based on credit sytem. Information available on Page 14.

Co-curricular & Extra Curricular Activities

Arts Circle This is the cultural activity of the college which provides a platform to the students of all the faculties interested in dance, dramatics, elocution, singing, instrumental music, debate, poetry etc. Through this activity students can participate in intercollegiate competition at Local, State, National and International level. The students learn to appreciate Performing Arts.

Swar Madhuri: An Inter-Collegiate state level Classical Vocal and Natya Sangeet Competition organized in memory of the founder Late Shankarrao Kanitkar. The competition provides a platform to young artists, to showcase their talent in classical music. This activity is conducted in collaboration with 'Student Welfare Department' SPPU, Pune and is partly funded by them. VidyaVani – P.M. Radio of Savitribai Phule Pune University are the media partners.

National Service Scheme (N.S.S.) : The N.S.S Unit of 100 Students is granted to the college. The unit organizes lecture series, Shramadan, Educational tours, Cultural Activity including 8 days special winter camp in rural areas. College was awarded with Best N.S.S. Unit by Savitribai Phule Pune University.

National Cadet Corps (N.C.C.) : It is a Tri-services Organization comprising the Army, Navy and Air force, engaged in grooming the youth into disciplined and patriotic citizens. Cadets

participate in weekly parades at N.C.C Head Quarters and NDA. During these parades they undergo different activities like exercises, drills, physical training, lectures on future scope, discipline and how to perform better in N.C.C. Saivibhuti Patil and Apoorv Satpute are selected for RDC 2018. Sarvesh Navande is selected All India Best Cadet and is proud recipient of a gold medal by the Prime Minister of India on 28-01-2018. Also selected for Youth Exchange Programme for training in Russia.

Soft Skills Development Programme: Soft Skills training provides a unique opportunity for all students to develop their personality and improve their communication and presentation skills. The programme focuses on areas of training that require changes in behaviour and thinking to fulfill

employable needs among students. This training programme also helps students in developing a career-vision in an informal, interesting and interactive manner. The programmes are conducted in association with industry and Savitribai Phule Pune University.

The Pride of Modern: This prestigious competition is conducted every year. It is open only for final year UG and PG (part 1 and 2) students who wish to participate voluntarily and also for those who are nominated from various categories viz Academics, Sports, NCC, NSS and Arts Circle. However in order to participate the student should have completed two academic years in Modern College, Ganeshkhind. Besides that the competing student should have a clear academic record with no backlogs. He/She is also expected to have participated in co-curricular and extension activities of the College. The Best Student Award comprises of a Rolling Trophy, Memento, Certificate of Excellence and Cash Prize.

The first step in the selection procedure involves scrutiny of application forms to measure students' achievements. This is followed by a mental ability test, a preliminary interview and lastly the final interview conducted by a panel of external experts.

Yuva Saptah : This activity is conducted to commemorate Vivekanand Jayanti in the second week of January. Various competitions are conducted like, Mehendi, Rangoli, Poetry Reading, Elocution, Kau Banega History Scholar ?, Caption Contest, Spellathon : A Spelling Competition, Psychology Quiz, Short Film and Poster Competition, etc.

Vividha : It is a platform given to the students to showcase their entrepreneurial talents. This is an event jointly organised by College and its alumni association Modernities. It conducts various events for all stakeholders.

Indian Red Cross Society: Junior/Youth Red Cross Pune District – Indian Red Cross Society is a world organization working for the country. This activity enables students to understand issues related to health and hygiene, Disaster management and create awareness about communicable and non-communicable diseases

Rotract Club: Established in 2011 with the help of Rotary Club of Pune Uptown, under which 200 students are registered. It organizes different activities which are beneficial to society as well as youth and organizes Blood Donation Camp, Tree Plantation, Leadership Program, Guest Lectures, etc.

Competitive Examination Guidance Cell (CEGC)

The college has set up Competitive Examination Guidance Cell. Through this activity interested students get guidance to prepare for a variety of Competitive Exams. Cell conducts various activities like Guest Lectures, Workshops, Group discussion sessions, personal interviews, Conducting and coordinating various examinations. The functioning of the cell is based on Graduate Excellence Exam pattern conducted by the Centre for Talent Search and Excellence, Pune.

Modernites : It is a registered association of the college. It conducts the following activities. 1. Gives 'Gollapudy Scholarship' every year to deserving students. 2. Conducts 'Vividha', an exhibition cum sale to promote entrepreneurial spirit. 3. Contributes in placement cell, Entrepreneurship Development Cell (EDC), Internal Quality Assurance Cell (IQAC), etc.

Modern Trek Club: Trekking is very useful activity to maintain our physical and mental fitness. Every year Modern Trek Club organises treks in Sahyadri with 100-200 students.

It includes : i) Trekking to various places like Panhala, Vishalgad, Sinhagad, Raigad, Torna etc. ii) Gives information about Environment Protection, Forest and water Conservation and problems of tribal people

Modern Cycling Club :

The main objective of Modern Cycling Club is to encourage cycling as a lifelong activity for students' health, happiness and to reduce traffic jam and pollution. Cycling is good for strength and stamina. Many college students use bicycle daily for their regular commute to college from home. Modern Cycling Club advocate for bicycling through education, communication. Club organises regular short and long cycling expeditions to encourage cycling among students to make our city clean and green. E.g. Pune-Goa, Pune- Ashtavinayak, Pune-Kanyakumari cycling expeditions.

Department of Lifelong Learning & Extension :

This activity is conducted in association with Department of Adult and Continuing Education and Extension Activities, Savitribai Phule Pune University. This activity promotes interdisciplinary collaboration for better understanding of human problems and reaching out to large sections of community, specially deprived groups. Activities are carried out to develop Knowledge, skills, attitudes and values to integrate theory and practice for lifelong learning.

Student Support Services

Earn and Learn Scheme

The earn and learn scheme has been granted to the College by Savitribai Phule Pune University from 2004-05. Many students have benefitted through the scheme till now. Students work in library, gymnasium, office and laboratories. They get work experience along with some financial help under this scheme.

Gymkhana

The College encourages and promotes students in the field of sports through the Gymkhana

Infrastructure

Well equipped Gymnasium, Basketball Court, India Games Arena (Kabbadi, Khokho) Equipment Room, Indoor Games (Chess / Table Tennis / Badminton), Volleyball court are available in the college.

Achievements of the Gymkhana Department

25 Shiv Chatrapati Awardees (The Highest Sports Award for Sports Person in Maharashtra State) | 30+ International Players • 350+National Players • Regularly organizes State, Inter Zonal, Intercollegiate and Interclass sports for students of our college and other colleges. • “Modern Shree” – State level Intercollegiate Best Physiques Competition Since 2006.

Central Library :

Central Library is one of the vibrant learning unit of the college. The main purpose of library is to freely disseminate knowledge, support teaching, research and academic activities and ignite the minds of youngster studying in our college. All library staff works with the motto “To Give Maximum Information for Maximum Number of Times by

Maximum Number of Ways in Minimum Times”. Library operates on need based approach rather than the usual rules-based treatment It provides open access to all, disseminate knowledge freely to all and support teaching, learning and research activities of the college.

- Library is fully automated and well equipped with wide collection of reference, text and general reference books, national and international periodicals and electronic resources like e-books, e-journals, audio books, CDs/DVDs and databases like J-Gate Basic Science.
- Library is giving technology based services and facilities such as Web-OPAC, reference service for searching information from online databases, e-books, e-journals, CDs/DVDs, consortia, audio books, library e-newsletter, online information literacy programs, library Blog, Online Brochure, digital library, Internet facility, Urkund- an anti-plagiarism software along with other open source tools available for research scholars, computerized issue return and attendance through barcode scanner, etc. At the same time it also provide traditional services such as reference and referral service, current awareness service, bibliographical services, reading facility, book bank facility for needy students, institutional membership of other libraries, inter library loan and library orientation programs, etc.
- Library has a huge collection of books which includes reference, text, self-help, personality development, biographies, autobiographies, success stories, novels and competitive exam related books in our library. Library subscribe national and International journals and magazines and provide gateway to many online scholarly publications.
- Every year library organizes book exhibitions; guest lectures, celebrates birth anniversaries of eminent personalities, conducts various competitions and other programs to inculcate reading habits among the students and support competitive examination cell.
- Through library website and web-OPAC library is accessible to users for 24/7 from any location. Library has its active Facebook page to circulate notices and updates.
- Library has taken membership of UGC NList

Consortia, British Library, Jayakar Library, Maratha Chamber of Commerce and Industries, Historian V. K. Research Centre.

Note: Identity card is compulsory while using library services. Students should follow instructions displayed in the library. For more details log onto: www.moderncollege.org/library.php or contact Librarian **Dr. Sangeeta Dhamdhare** on librarian@moderncollegegk.org or call on 7972092077

Placement cell

College has Placement cell for UG and PG students. Activities under the placement cell include conducting aptitude tests, seminars, Group discussions, guest lectures and Soft Skill workshop.

Well-known companies from IT sector (Quickheal, Persistent System, Patni, Webtech etc) Chemical industries (Innovassynth, Jubilian, Lupin, etc) as well as companies like e-Solve conduct campus interviews in the college for selection of candidates. Students also get opportunity to work in different Research organizations like NCL, NARI, NCCS, NIV etc. to do research activity and seek higher education.

Student's Safety – on and off the campus

Following are the provisions done by the college to ensure the safety of the student on and off the campus.

- In scalable boundary wall height, single entry point to the campus safeguard with security guards.
- Identity Verification mechanism, register for unknown visitors.
- Electronic Surveillance System
- Wearing of ID cards by the students and staff in the premises is made compulsory

Anti Sexual Harassment Cell: This Cell functions as per the guidelines of the Sexual Harassment of Women at the Workplace (Prevention, Prohibition and Redressal Act) 2013 and the UGC Regulations on Anti Sexual Harassment (2015). The Internal Complaints Committee handles the complaints and gives its recommendations to the Management for further action. The Internal Complaints Committee is as under :

Dr. Sadhana Natu Presiding Officer

(Associate Professor, 9890377533)

Dr. Anagha Tambe External Expert

(Director WSC 9850134078)

Anti-ragging Cell: Students violating rules laid down by the Govt. of Maharashtra regarding ragging are severely punished as per the law by Anti - Ragging cell of the college which is functioning according to UGC guidelines. Institutional Anti-ragging squad visits probable places of the college campus to control the ragging activities.

Students can use following helping numbers against ragging, sexual harassment, accidents, calamities etc.

Principal: 020- 25634021 (201)

Vice-Principal: 020- 25634021 (203)

Registrar : 020- 25634021 (206)

(Refer Disciplinary rules - page 65)

Grievance cell is constituted to address students' concerns and their grievances.

Counseling and Vocational Guidance Cell

The activity carried out by the department of psychology. The center offers counseling on familial, personal and emotional issues. It offers Vocational guidance and career counseling. The Cell conducts workshops on Study Skills, Life Skills, Premarital Education, Career opportunities for students of all the faculties.

Every year many students from all the three faculties avail the benefits of this centre.

Venue : Department of Psychology, Next to the Commerce Laboratory, Behind the Stage.

Timings:

Tuesday - 12 to 2 p.m.

Friday - 12 to 2 p.m

Saturday - 12 to 1p.m.

The Counselling is done **free of cost.**

Counselor: HOD, Psychology Dr. Sadhana Natu a trained Clinical Psychologist with 25 years' experience, assisted by Dr. Suvarna Bobade, a Counsellor.

International Student Cell

The cell functions as per the guidelines given by the International Students Centre of Savitribai Phule Pune University. The Cell strives to cater to the needs of international students .

- Assistance is given during admission procedure, to complete legal formalities and visa procedure.
- Trilingual' booklet is circulated at the time of admission to guide and help in case of language problems and queries related to their academics and career. Bridge and Foundation courses are run to fill the academic gap and improve their communication skills.
- Scholarships through International Council for Cultural Relations (ICCR) for their studies and provision of fee instalments for needy foreign students.
- Tour of 'Pune Darshan' is arranged to make them familiar with the city .
- The institution also organize events like 'Beyond Borders' and 'Colors of India' and 'Transcending Cultural Boundaries' based on presentations and performances to create a multicultural understanding among local and international students. Foreign students are encouraged and motivated to participate in the cultural program organized by Parent University titled as 'Know My Country'.

Support given to students with Physical Disabilities:

- College encourages students with Physical Disabilities and assures dignity and their access to higher education through the various facilities provided. To name a few are Academic and personal psychological Counselling, Audio CDs and text books, Special seating arrangement at the time of Examination ,Writer's club and Infrastructural facilities like elevator, ramp, wheel chair ,separate Washroom.

Parent Teacher meet is organized frequently

Disaster management cell organizes mock drills, workshops and awareness programs.

Mission Mrutyunjay Club: Mission Mrutyunjay Club is an activity initiated by the Police department of Pune city to impart citizenship training to Students.

Vidyarthini Manch

Objectives

- To create awareness about gender issues
- To create a platform for female students to voice their concern
- To empower female students

Activities

Conducting informative lectures, poster exhibitions. Pre-marital and Career Counseling for female students, Interactive sessions with Gender Studies Experts.

There will be no annual social gathering in the college. No special days (such as valentine day, traditional day etc.) will be allowed to be observed.

Safety of Students during Excursions / Visits / Tours /Academic Trips

- The Excursions /field visit/Tours/Academic Trips are to be carried out by **Team of Trained Teachers**, which include a **Lady Teacher**
- The concerned teachers circulate **Travel Plan** and **Do's & Don'ts during traveling** well in advance to students and Parents/Guardians.
- The **Consent Letter** from Parents /Guardians is Mandatory.

- **The Training session** is conducted for students and parents to: provide Geographical information, emergency procedures to be followed, Do's & Don'ts during traveling, First Aid.
- Instructions about Discipline, Team spirit, and caring attitude for others.
- Ensuring Medical Fitness of student.
- To communicate well in advance :the contact details of Travel company ,Driver along with Bus No., Travel Plan etc.

Eco-rangers Club – In this activity students participate in environment friendly activity to conserve our nature. Environmental Awareness Course is compulsory for college students. Through this activity we plan to visit forest areas, join river cleaning program, and visit to garbage depot. Many competitions are also organized like cycling and trekking etc. Many guest lectures, seminars and workshops are also conducted to motivate students to become Eco - rangers in order to support green earth, clean earth motto.

SETU – The Student Aid Initiative of Staff members: Every year staff members contribute towards the fees of select, needy and deserving students from all the faculties.



Disciplinary Rules

Disciplinary Rules

Students are requested to refrain from any form of ragging. As per the UGC Draft Regulations on curbing the menace of ragging in higher educational institutions, 2009, every student and parent will have to fill and sign an undertaking to refrain from ragging, and submit along with the admission form.

- b. **A Cell against Harassment and Atrocities against Women** is functioning in the College in keeping with the Supreme Court guidelines (Vishaka guidelines).
- c. Smoking is strictly prohibited in the campus.
- d. As per the Pune University Rules, **a minimum of 75% attendance is essential**; failing to which action will be taken as per the rules.
- e. The students should be aware that four wheeler commuting to the college and four wheeler parking for students is strictly prohibited.
- f. The Student shall park the vehicle in the parking space provided by the College and pay the charges.
- g. The student **shall not consume tobacco, drugs, pan parag, gutkha, liquor and other things** which are injurious to health.
- h. The student shall **switch off his/her mobile while in College premises**.
- I It is **compulsory to wear I-card** in the college campus

Maintenance of Discipline and Good Conduct by Students - Ordinance 157.

(Under section 87 & section 39 (III) of the Pune University Act, 1974.)

1. Every Student of Modern College shall at all time

- i) Conduct himself properly, ii) maintain proper behaviour, iii) observe strict discipline both on the campus of the college and also outside, in buses, railway trains or at Public places or at picnics or education trips arranged by the College or at playgrounds, iv) ensure that no act of his / her consciously or unconsciously brings the College into disrepute, v) Shall not lodge any complaint or make any representation regarding any matter connected with the College to the press or other media.

2. Any Student who behaves contrary to the provisions of following clause:

- 1) shall constitute **misconduct and / or indiscipline** which terms shall mean and include, among others, any one or more of the acts jointly or severally, mentioned hereinafter, namely-
 - (i) any act that directly or indirectly causes or attempts to cause disturbance in the lawful functioning of the college,
 - (ii) habitual unpunctuality in attending lectures, practical, tutorials and other courses as may be prescribed,

- (iii) repeated absence from lectures, tutorials, practical and other courses as prescribed,
- (iv) canvassing for or accepting contributions or otherwise associating himself or herself with raising of any fund or any object whatever without the previous sanction of the principal,
- (v) securing admission in the college to any undergraduate or postgraduate programme or any other course by fabrication or suppressions,
- (vi) Obstruction to any students or group of students in his or their legitimate activities, whether in the classroom, laboratories, fields, playgrounds, gymnasium or place of social and culture activity within the campus of the college.
- (vii) possessing or using fire arms, lethal weapons, explosives or dangerous or corrosive poisonous or stupefying drug or intoxicant in any form in the college.
- (viii) ragging, bullying or harassing any students in the college or outside thereof,
- (ix) to any other student or the authorities of the college or to staff member, or any member of the family of the staff.
- (x) indulging in any act of violence, assault, intimidation or threatening in the College or outside thereof,
- (xi) destroying or attempting to destroy or tamper with any official record or document of the College,
- (xii) conduct unbecoming of the student at any meeting or special function or sports and culture activities arranged by the College or at any other public place,
- (xiii) stealing or damaging any property belonging to the college, staff member of the college or any other students,
- (xiv) instigation or participating in any gherao of any official or staff member of the college,
- (xv) violation of any of the rules and regulations of the college or orders of the Authority,
- (xvi) gambling in any form in the college,
- (xvii) refusal to appear to give evidence before Enquiry Officer appointed by the authority with respect to a charge against him,
- (xviii) disorderly behaviour in any act specifically forbidden by the authority.
- (xix) conviction on the Court of Law for criminal offences, involving moral turpitude,
- (xx) any other act not specifically mentioned hereto before which whether, by commission or omission, as would in the circumstances of the case, be considered by the Authority as an act of misconduct and / or indiscipline.

College Committees

College Committee

Academic Planning
Alumni Association
Anti Ragging
Art Circle
Best Student Trophy
Board of National and International Linkages
Central Documentation Committee
Chemiyad
Competitive Examination Cell
Dead Stock Verification
EVS Course Assistant Co-ordinators

Examination Committee
Feedback Committee
Grievance Redressal Cell
Gymkhana Committee
Health check up Committee
I - Card Preparation and Monitoring Committee
IMPACT Committee (Implementation and planning of Academics and Training)
Innovation and Incubation Cell & Board of Research
Internal Complaint Committee
Internal Examination Committee
International Student Cell
Journal Activity Committee
Library Committee
Akanksha Magazine Committee
N.C.C Committee
N.S.S Committee
Placement Committee
Prize Distribution Committee
Prospectus Committee
Reservation Cell/ Aarakshan Samiti
Result Analysis Committee
Science Association
Soft Skill Program
Staff Academy
Student Council
Student Counselling Cell
Student Development Cell
Swar Madhuri
Website Updation Committee
Yuva Saptah Committee

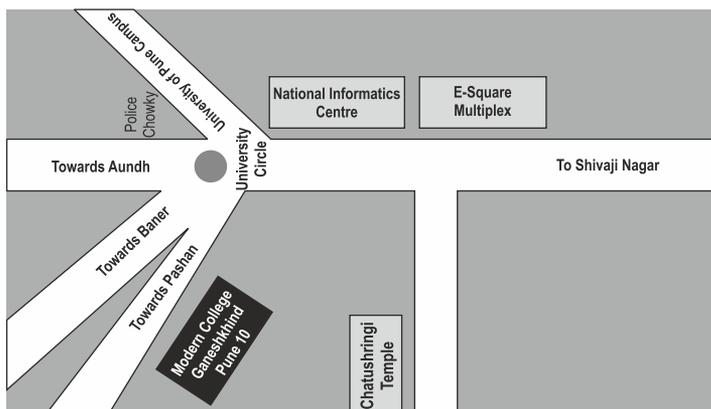
In-Charge

Dr. Sanjay S.Kharat
Prof. Vijayalaxmi Kulkarni
Prof. Namdev Doke
Prof. Prasad Deshmane
Dr. Chakraborti Shampa
Prof. Gouri Koperdekar
Prof. Vijaya Kulkarni
Mr. Thakar Dnyaneshwar
Prof. Jayshree Jain
Mrs. Swati Kandharkar
Arts: Prof. Dastgir Pathan
Commerce: Prof. Govind Kamble
Science: Dr. Sushma Katade
Dr. Ravindra Kshirsagar
Dr. Mrunalini Bhadane
Prof. Swati Kandharkar
Dr. Deepak Shendkar
Dr. Savita Sabnis
Dr. Pallawi Bulakh

Prof. Pradnya Pathakji
Dr. Vinay Kumar
Dr. Sadhana Natu
Prof. Motilal More
Prof. Gauri Koperdekar
Prof. Anuradha Bhamidi
Dr. Deepak Shendkar
Dr. Sanskruti Awalgaoonkar
Prof. Sandeep Sanap
Prof. Kumod Sapkal
Dr. Varsha Bapat
Dr. Madhuri Kulkarni
Prof. Manisha Bele
Prof. Mahendra Waghmare
Dr. Nilima Kulkarni
Prof. Vaishali Salunke
Prof. Parag Shah
Dr. Shakira Inamdar
Prof. Varsha Joshi
Dr. Sadhana Natu
Prof. Sandeep Sanap
Prof. Prerana Suru
Prof. Preeti Deshmukh
Dr. Dipali Meher

Heads of Departments

• Biotechnology	: Dr. Sanjay Kharat
• Botany	: Dr. Prachi Raval
• Chemistry	: Dr. Madhuri Kulkarni
• Commerce	: Dr. Shubhangi Joshi
• Computer Science	: Dr. Shubhangi Bhatambarekar
• Economics	: Mr. Dastagir Pathan
• Electronic Science	: Mrs. Vaishali Salunke
• English	: Dr. Shampa Chakraborty
• Geography	: Dr. Sanjay Patil
• Hindi	: Dr. Savita Sabnis
• History	: Dr. Jyoti Gagangras
• Librarian	: Dr. Sangeeta Dhamdhare
• Microbiology	: Mrs. Sneha Ogale
• Mathematics	: Mrs. Swati Kandharkar
• Marathi	: Dr. Sanskruti Awalgaonkar
• Physics	: Mrs. Varsha Joshi
• Physical Education	: Dr. Deepak Shendkar
• Political Science	: Mrs. Gauri Kopardekar
• Psychology	: Dr. Sadhana Natu
• Sociology	: Dr. Jyoti Gagangras
• Statistics	: Mrs. Rajashree Umrani
• Zoology	: Dr. Sanjay Kharat
• CO-ORDINATORS	
• M.Com	: Ms. Vijaya Kulkarni
• B.B.A. (C.A.)	: Ms. Suvarna Mhasekar
• B. Voc.	: Prof. Mrunal Pardeshi
• B.C.A. (Sc.)	: Prof. Deepak Kumbhar



**Progressive Education Society's
Modern College of
Arts, Science & Commerce**

Address: University Circle, Ganeshkhind, Pune-16
 Telephone Nos.: (020) 2563 4021 and 2563 1091
 Fax No.: (020) 2565 0931
 Email: info@moderncollegegk.org
 Website: www.moderncollegegk.org

Infrastructure



Academic Activities



Scientific - Insights and Extension



Industry - Academia Interface

			
Lila Poonawalla Foundation	Enhance and Excel, Pune	iGatePatni	National Chemical Laboratories, Pune
			
ICICI Bank	Saj Test Plant	Symantec	D.P. Associates, Pune
			
Sun Pharmaceutical Industries Ltd.	Green Vision Life Sciences Pvt Ltd	Harbinger System Ltd	Golwilkar Metropolis Laboratories
			
GVK Asia	L & T Ltd.	LOKMAT PAPERS	LIFE INSURANCE CORPORATION OF INDIA
			
Synechron	Tech Mahindra	PANTALOON(INDIA) LTD	Inspiration India, Pune
			
LUPIN PharmachuticalPvt.Ltd	Persistent Systems Ltd	MAHINDRA PRIDE SCHOOL	QUICK HEAL
			
PRAJ industries	TATA Consultancy Services	Agharkar Research Institute	Logic Power Pvt. Ltd.
			
Vidya Sahakari Bank Ltd. Pune	National Aids Research Institute (NARI)	Mahratta Chamber of Commerce Industries & Agriculture	National Institute of Virology
			
Bicard Training Institution, Pune	Geneombio Technologies	Webtech Developers	Avion Technology, INC

'Modern' Youth



Cultural Awareness



Beyond the Classroom



Safety Measures



Progressive Education Society's
Modern College of Arts, Science & Commerce
Ganeshkhind, Pune -18

CORONA VIRUS

Don't Fear Just Take Care!

Novel Coronavirus (COVID-19)

- Wash your hands frequently
- Maintain social distancing
- Avoid touching your eyes, nose and mouth
- Practice respiratory hygiene by covering your mouth and nose with your bent elbow or tissue when you cough or sneeze
- If you have fever, cough and difficulty in breathing, seek medical care at the earliest
- Stay informed and follow the advice given by your doctor
- See a doctor if you feel unwell - while visiting a doctor wear mask/cover to cover your mouth and nose
- If you have any symptoms, please call State Helpline Number or Health Ministry 24 X 7 helpline number: +91-11-23878046 or email at ncov2019@gmail.com

Prevention is Better Than Cure

A graphic illustration on the right side of the poster shows a person's head and shoulders wearing a blue surgical mask. To the right of this is a yellow globe with a face wearing a blue surgical mask. Below these are several small circular icons depicting various safety measures like hand washing, social distancing, and wearing masks.