



Maharashtra Education Society's
ABASAHEB GARWARE COLLEGE

Kare Road, Pune 411004

Website : <http://garwarecollege.mespune.in> E-mail : abasahebgarwarecollege@gmail.com

Tel : 020-41038200

Affiliated to Savitribai Phule Pune University

NAAC Reaccredited 'A' Grade (3rd Cycle) College

Best College Award - Savitribai Phule Pune University

Best Student Development Bord Award -Savitribai Phule Pune University

I.D. No: PU/PN/C/009 (1945) / JR. COLLEGE CODE: 11.11.003

AISHE CODE: C-41477-2018



PROSPECTUS 2021-22

*College Committed to
Excellence in Education*

Maharashtra Education Society's
ABASAHEB GARWARE COLLEGE
Kare Road, Pune 411004

Office Bearers

Senior College

Principal	:	Prof. (Dr.) P. B. Buchade
Vice – Principals	:	Prof. (Dr.) Sunita Bhagwat (Science) Dr. P.D. Sonawane (Administration) Dr. Aparna Agashe (Arts) Dr. Manisha Bharambe (Non-Grant)

Junior College

Vice – Principal	:	Mrs. Smita Kulkarni
Supervisor	:	Ms. Jayshree Bhawe

Office Admin

Registrar	:	Mr. K.J. Sable
Librarian	:	Prof. (Dr.) Vandana Shelar
Director, Physical Education	:	Prof. (Dr.) Asha Bengale

Office Contact Nos.

Office Phone	:	020-41038200
Hostel	:	020-41038325
E-mail	:	abasahebgarwarecollege@gmail.com
Website	:	http://garwarecollege.mespune.in

Office Timings (Except on Holidays and First and Third Saturdays)

Monday to Saturday : 10.00 am to 5.40 pm	Lunch Time : 1.30 pm to 2.00 pm
Cash Transaction : 10.30 am to 1.30 pm	College Timing : 7.15 am to 6.10 pm

Library Timing

Reading Hall : 8.30 am to 5.00 pm
Night Reading Hall : 8 am to 8 pm (Only prior to commencement of University Examination)
Transaction of Books : 9.00 am to 5.00 pm

Founder Members of Maharashtra Education Society



Vaman Prabhakar Bhawe
1850 - 29 May 1899

Gr. Rev. Vasudev Balwant Phadke
4 November 1845 - 17 February 1883

Laxman Narhar Indapurkar
1849 - 29 April 1896

Our Objectives

- To impart and equip students with the necessary skills to compete in a technologically advanced global scenario.
- To provide an academic environment that reinforces appropriate social and cultural values.
- To provide research facilities which would promote the exploration in core areas related to traditional and contemporary fields of study.
- To provide value addition through co-curricular and extra - curricular activities.
- To enhance character development leading to national and global perspective.
- To make education accessible to all sections of society.
- To sensitize students regarding environmental issues.

From The Principal's Desk



Dear Students,

Maharashtra Education Society's Abasaheb Garware College, established in August 1945, is one of the premier institute in and around Pune, imparting higher education in the field of Arts and Science. The college has celebrated Platinum Jubilee in academic year 2019-20. With its own distinct identity and tradition, the college has been the tower of learning for many generations. It has molded the destiny of hundreds of people for a better tomorrow. The College has emerged

as a leading center for teaching, learning and research in the field of higher education in faculty of Arts and Science.

Over the past seven decades, it has grown up gradually and steadily, initiating Undergraduate, Postgraduate, Research and Skill Development Programs. At present, the college offers 21 UG, 17 PG, 3 B.Voc. Programs and many short term courses. Seven departments are offering Doctoral Programs.

The attempt of the college in quality enhancement is clear in the accreditation and assessment grades that the college has received earlier: 'B' + in 2004, Graded 'A' in 2010 with CGPA 3.15 and 'A' Grade in 2016 with CGPA 3.25 on 4 point scale.

The pursuit of excellence by the Abasaheb Garware College is evidenced by its winning the 'Best College Award' of Savitribai Phule Pune University and Star College Scheme by Department of Biotechnology and "Best Student Development Award" of SPPU.

AGC's alumni like Dr. Narayan Ayyer (contributed to Nobel Prize winning research performed by Dr Semenza), Dr. S.K. Gadre (Shantiswaroop Bhatnagar awardee), Dr. S. B. Ogale (Dr. N. S. Sathya Murthy awardee and B.M. Birla awardee), Dr. Yogesh Joshi and Dr. G. Balsubramaniam have been shouldering various responsibilities at the national and international levels and have brought name and fame to the college, society and the nation.

We have a superb, dedicated, enthusiastic teaching team and supporting staff, where the focus is always on the holistic development of every student to reach to their potential. There are a large number of extra-curricular and co-curricular activities in which all students are encouraged to participate. Our college helps students to realize their goals in life. We encourage all students to take advantage of the opportunities provided by the college and involve themselves in all the extra-curricular activities that are offered. We hope that the students make use of the facilities and become confident, intellectually bright and morally strong. The college is intended to go for Autonomous status in coming year.

The college is also ready to welcome NAAC peer team very shortly. I am happy to note that the management of the college has clear and proper vision and is constantly equipping the college to attain the vision and mission of the college. I assure to newly admitted students that our college will impart quality education to you and will have brilliant future .

Prof. (Dr.) P. B. Buchade
Principal

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Code of Conduct (Discipline and Rules)

"Discipline is the bridge between goals and accomplishment."

- Jim Rohn (American businessman)

01. Students must attend lectures, practical, tests and exams regularly and at appointed time. They should not remain absent without seeking the prior permission of the class guardians. 75% attendance for all subjects is mandatory. If the attendance is not satisfactory the students shall not be allowed to appear for the final examination. In such cases the committee decision will be final. In case of F.Y. students 75% attendance is also mandatory for P.E. parades, N.C.C. parades and N.S.S. activities as the case may be.
02. Students must take due care of the property of the college. They are expected to maintain the entire area clean and tidy.
03. Students should not form any 'group' or 'forum' on the campus without seeking the prior permission of Principal in writing.
04. They should not invite any person for organizing a meeting or program without the prior permission of the authorities.
05. Smoking, drinking, spitting, consuming drugs, chewing and consuming tobacco is strictly prohibited on the college campus.
06. Students should observe proper dressing sense in the college premises which is generally acceptable to the society at large.
07. Each student will get Identity card from the library. It is mandatory for the students to wear this card on the college campus. It must be produced on demand by the college authorities. If unable to produce the I-card, the student may be penalized by the college authorities.
08. On the loss of I-card, a student should seek duplicate card immediately from the college library by paying fees and fine.
09. All students must park their vehicles in paid cycle / scooter stand.

10. Authorities have full right to modify the rules whenever necessary and following of such modified rules is obligatory for the students. In case of any dispute, Principal's decision will be final.
11. College will take stern steps against the students in case of undisciplined behavior, disobeying of rules and orders. In such case Principal's decision will be final.
12. Students should note that college authorities will not allow annual social gathering or celebration of rose day, traditional day or any other similar events on the college campus.
13. It is expected that all the college students should observe proper manners and discipline inside and outside the college premises.
14. **Students should be meticulous about filling the examination, freeship / scholarship and eligibility forms on or before the stipulated date declared. In case of failure to fill the forms, the students will be solely held responsible and will have to bear the consequences.**
15. A student will be punished or debarred from appearing the University examination, in case he/she possesses a cell phone in the examination hall and attempts to undertake any malpractices.
16. Closed toe wares (socks and shoes) are not allowed inside the examination hall.
17. Joining private coaching classes, courses, tutorials and test series etc. during college timings is not allowed.
18. Students should not arrange any personal activity/ assignment during college hours or in college premises. Students should seek prior permission of the authority to undertake academic/cultural activities.

About the College

Vision

Ensuring quality education, inculcating good moral values and a sense of nationalism among students in keeping with the glorious heritage of the institute, country and universal values at large.

Mission

Our mission, as an educational institution, is to impart higher education for the development of academic excellence, character and personality; with a broader perspective of social, national, environmental and global commitment.

Institutional Distinctiveness

- Affiliated to Savitribai Phule Pune University, Pune
- Entering its 77th year
- First accreditation by NAAC in 2004 and received Grade 'B+'
- Second accreditation by NAAC in 2010 and received Grade 'A' with CGPA of 3.15 on 4 - point scale
- Third accreditation by NAAC in 2016 and received Grade 'A' with CGPA of 3.25 on 4 - point scale
- Received 'Best College Award' by Savitribai Phule Pune University, Pune
- Received 'Best Student Development Board Award' by Savitribai Phule Pune University in 2019
- Science Departments recognized under 'Department of Science and Technology - FIST Programme' in 2012
- Awarded 'DBT STAR College Scheme' by DBT, Government of India, in 2017: Seven departments identified (Biotechnology, Botany, Chemistry, Electronic Science, Microbiology, Physics and Zoology) for support by DBT
- UGC granted DDU-Kaushal Kendra for B.Voc. courses in 2014
- Unique Programs: B.Sc. in Industrial Microbiology and M.Sc. in Biodiversity
- Various Certificate Courses
- Scholarship for Blind students
- Nandu Marathe Body Building Competition: Held for more than 50 years

Institutional Features

- Centrally located
- Postgraduate and Research Facility
- State of Art Laboratories
- Well-equipped Library
- Modern Sports and Gym Facilities
- Active Cultural Wing
- Qualified and Experienced Faculty

Beginning of a bright career at AGC

Why Science is a good option? : Gone are the days when doing B.Sc. used to be the last option for any student after higher secondary education. Over the past few years, there is a definite increase in the number of students opting for pure sciences owing to the increasing realization of good career opportunities, interest in research, new subjects and developing alternatives in pure sciences.

Which subject should I take? : On the frontiers of science throughout the world, the barriers between subjects and disciplines are melting away. A student, for example, can have a career in Biotechnology after graduating in Physics! Therefore, now, **where you study is more important than what subjects you study.**

A student should seek admission to a college that has a good academic setting, active and vibrant student life, sufficient exposure to the latest knowledge and healthy student-teacher relations. As regards to the choice of subject, the simplest and most effective advice is to opt for subjects that you like the most. **But for that merit of previous year is also considered by the college.** There are adequate career opportunities in every subject if the foundation of education is sound and strong.

Why Humanities is a good option? : Broadly defined the Humanities are the study of Human culture and behavior through art, literature, philosophy, music and languages. Humanities students build skills in writing, and critical reading. The Humanities encourage students to think creatively. They teach to reason about being human and to ask questions about our world. It helps to better understand both the past and the future and fostering a sense of empathy.

Why Is Abasaheb Garware College Your Best Choice?

AGC is a centrally located in the heart of Pune city, 1 km from Deccan Gymkhana bus station and Metro station will be at the door of the college. **A place with unique achievements Abasaheb Garware College has been reaccredited for three cycles and awarded 'A' grade by NAAC.** AGC has a tradition of excellence in academics, sports and

performing arts. Every educational institute is proud of the achievements of its students and teachers. What you see here is something unique, a history of achievements unparalleled by any other college in the country; research by undergraduate students being recognized by international media, flagship journals and magazines; students exploring the Antarctic as a part of the Indian Antarctic expedition; students converting their knowledge of science and technology into million dollar enterprise and many others leading and pioneering in various facets of life.

You could be one of them!!! We teach you to dream and work hard to make it a reality.

What makes it happen?

An active vibrant atmosphere, student-teacher relationship, with the right mix of affection and professionalism, an optimum combination of freedom and discipline and above all, a spirit of achieving excellence for oneself and for the society, nation and mankind as a whole.

Highly qualified dedicated faculty that includes world renowned researchers, devoted teachers and guides are a primary asset of the college.

State-of-the-art laboratories: College has a wide variety of modern and sophisticated instrumentation devoted to research and education, funded by the University Grants Commission (UGC), DBT, BCUD as well as Department of Science and Technology (DST), Government of India, and the Maharashtra Education Society. A growing interaction with industries is also contributing increasingly to the modernization of laboratories. Well-equipped research laboratories of Chemistry, Molecular Biology, Animal Tissue Culture, Computational laboratory have been developed as a central facility for all the students and faculty. These laboratories are supported by a generator back up to ensure a continuous power supply.

Where creativity reigns supreme: Real science is not learnt from textbooks. It begins when students start asking their own questions and begin to explore the real world around to seek answers. You will find in our college, a number of co-curricular activities to encourage creativity and originality in students.

Education beyond curriculum: We believe that the curriculum is only a small part of education. Much of the education and personality development of a student lies beyond the curriculum. Sports, trekking, art, theatre and languages make science education more exciting and the life of a scientist richer. Science students here are encouraged to widen their horizons by actively contributing to these activities.

Hand-in-hand with the industry: Science and technology being pursued here has a direct link with the industry. Some of the post graduate departments collaborate in active Research and Development (R&D) and provide analytical services to the industry. Students can also participate in this endeavor and gain experience.

Placements: There are formal as well as informal placement programs including campus interviews. Statistics show that student placement profile has been gradually increasing over the years.

Prevention of Ragging and Eve Teasing on the Campus

Ragging / eve teasing is a criminal offence and there will be 'zero tolerance' by the college regarding cases of ragging. Students found guilty of ragging will be severely punished. If an incidence of ragging comes to the notice of the concerned authority, the accused student will be given an opportunity to explain and if his explanation is not satisfactory, the authority will expel him/ her from the college and/or hostels and he/she will have to undergo the legal proceedings.

Supreme Court Judgment and Order regarding ragging – dated 11.02.2009, UGC Regulation, Reference: F1-16/2007CPP-II, dated April-2009, Maharashtra Prohibition of Ragging Act, 1999 section 4

National Anti-Ragging Helpline Phone number: 1800-180-5522

Email -helpline@antiragging.in

Grievance Redressal for Students

A Grievance Redressal Committee has been constituted by the college. Students can communicate their grievances to the committee in writing, by dropping their grievance in to the drop - box placed outside the Principal's office.

Grievances should be written / printed on a full-scape / A4 size paper with name, roll number, class and division, address and contact phone number of the student.

Anonymous grievances will not be entertained.

Prevention of Sexual Harassment of Women on the College Campus (Nirbhaya)

A Committee for Prevention of Sexual Harassment of Women on the College Campus has been constituted by the college as per Criminal Law (Amendment) Act, 2013, Section 354 A. Students can communicate their grievances to the committee in writing, by dropping their grievance into the drop-box placed in the Ladies Room and the one near the watchman post.

Complaints should be written / printed on full-scape / A4 size paper with the name, roll number, class and division, address and contact phone number of the student.

Anonymous complaints will not be entertained.

Senior College Academic Programmes Offered

Degree Courses for Graduate Level		Degree Courses for Post Graduate Level	
Science	Humanities	Science	Humanities
01. Biotechnology ^a	01. Economics	01. Biodiversity ^a	01. Economics
02. Botany	02. Education ^c	02. Biotechnology ^a	02. English ^a
03. Chemistry	03. English	03. Organic Chemistry	03. Hindi
04. Computer Science ^a (B.Sc.)	04. Geography	04. Analytical Chemistry ^a	04. History ^a
05. Computer Science ^a (B.C.A.-Science)	05. Hindi	05. Computer Science ^a (M.Sc.)	05. Political Science ^a
06. Electronic Science	06. History	06. Computer Science ^a (M.Sc.- C.A.)	06. Psychology ^a
07. Industrial Microbiology ^{a,b}	07. Logic ^c	07. Electronic Science ^a	
08. Mathematics	08. Marathi	08. Mathematics	
09. Microbiology	09. Political Science	09. Microbiology	
10. Physics	10. Philosophy ^c	10. Physics ^a	
11. Statistics	11. Psychology		
12. Zoology	12. Sociology ^a		

a. These subjects are Non-Grant / self-financed subjects.

b. This subject is **vocational** and Degree is offered in the disciplines of Microbiology.

c. These subjects are offered only at general level and in Marathi medium only.

Special PG Programme

Masters in Library Science (M.Lib.)

Masters in Mass Communication and Journalism (MAMCJ)

B.Voc. Courses

- Mass Communication
- Media Convergence
- Beauty and Wellness

Arts Faculty

F.Y.B.A.

Division				Eligibility
A Marathi Medium	B Marathi Medium	C Marathi Medium	D and E English Medium	
Intake Capacity				
120	120	120	120 + 120	
Compulsory English**				
Marathi /Hindi (Second Language)		Hindi / Marathi (Second Language)		
Any four of the subjects mentioned below (Subject choice will be on the basis of eligibility rules of SPPU)				
1. Politics/ Philosophy 2. History/ Optional English/ Education 3. Geography /Psychology 4. Sociology/ Logic 5. Economics	1. History/ Philosophy 2. Geography / Politics 3. Psychology/ Economics 4. Sociology/ Logic 5. Optional English/ Education	1. Economics 2. Politics 3. Sociology 4. Psychology 5. History 6. Geography 7. Optional English	1. Economics 2. Politics 3. History 4. Geography 5. Psychology 6. Sociology 7. Optional English #	12 th std. or equivalent in Arts/ Science from any recognized Board of Education in India

Subjects offered only at General Level: Education, Logic and Philosophy

If sufficient number of students are not available for the subject, in that case, another subject will be allotted as per Government circular.

****Compulsory Additional credits -** 1) Physical Education (2 credits)

2) Democracy and Governance

Student has to earn total eight additional credits till TY to get the degree certificate.

Students have to select **six subjects (including English and Marathi / Hindi /Optional English)** of any one of the divisions mentioned above. Division C, D and E are non-grant divisions.

Students who wish to offer English special at S.Y.B.A. and T.Y.B.A. level, will have to choose **Optional English at F.Y.B.A. level**, in addition to compulsory English.

No change of subject will be allowed after admission.

No. of lectures/subject per week = **4**

Total no. of credits per semester = **18**

Division			Compulsory subject	Admission criterion
A Marathi Medium	B Marathi Medium	C English Medium		
Any Three subjects of the following				
Any one subject on special level : Marathi, Hindi, Optional English, Economics, Politics, Psychology, Geography, History, Sociology Other than the special subjects, any two subjects at the general level. The subject combination for general level are as follows: 1. Marathi 2. Hindi / Economics 3. History 4. Psychology / Geography 5. Politics 6. Education / Optional English 7. Sociology / Logic 8. Philosophy	Any one subject on special level :# Economics, Psychology, Politics, Optional English Other than the special subjects, any two subjects at the general level. The subject combination for general level are as follows: 1. Economics 2. Politics 3. Geography 4. Optional English 5. Psychology 6. History		English Environmental Awareness Course (EVA)* and Modern Indian Language (MIL)*	No. of Credits required from F.Y.B.A. as per the rules of SPPU

Admission to SYBA special subject is strictly on merit basis. For the admission discretion of Principal is final.

If sufficient no of students are not available for the subject, in that case, another subject will be allotted as per Government circular. In that case students' merit and preference will be considered.

Students those who are opting Sociology at special level will have to pay extra fee for second and third year in addition to the regular fees as it is conducted on Non-Grant basis.

Out of these three subjects, **one** subject will be at the **special level** and the other **two** at **general level**. Students will have to study **two papers (S1 and S2)** of special subject and **three general subjects** out of which one will be of special subject.

*EVA & MIL are compulsory subjects for S.Y.B.A. Passing in this subject is compulsory to get a degree certificate. The course will be conducted as per timetable. The external examination will be conducted at the end of each semester for EVA by SPPU and MIL by the college.

No. of lectures/subject per week = 4

Total no. of credits = **22** for semester III and **24** for semester IV including SEC

T.Y.B.A.

To get admission in T.Y.B.A., student should pass in **all subjects of F.Y.B.A.** and Pass / ATKT in S.Y.B.A. The students have to offer those **six subjects** which they had offered in **S.Y.B.A.** The subjects will be continued in T.Y.B.A. and are as follows:

1. Compulsory English
2. Special Level Subject: **G3, S3** and **S4**
3. General Level Subjects: **G3, G3**

No. of lectures/subject per week = 4

Total No. of credits per semester = **25** including SEC

M.A.

All PG courses are of two years duration. Admission to PG courses will be given according to the rules and regulations of SPPU. As per the circular issued by the SPPU, Choice Based Credit System (CBCS) and Semester System has been implemented for all Post-Graduate Courses from the academic year 2019-2020. Each semester is of **16 credits**. **Details of the syllabi can be obtained from the SPPU website: <http://unipune.ac.in>**

The course structure and examination pattern for each course varies with the subject. Detailed timetables and course structures are available at the respective departments. **College timings for postgraduate classes will be separately notified by the respective departments.**

Course	Eligibility	Total Seats Available	Admission Criterion	Grant Status
Economics	Graduate with any subject/ stream	60	Merit based	Grant-in-Aid
Hindi		60		
Political Science		60		Non-Grant
History		60		
English		60		
Mass Communication and Journalism	B.A. Psychology	30	Entrance Test	
Psychology		24	Merit based	

Library and Information Science

Library Science is an act of managing, maintaining and preserving information using sources of information technology and education. M.Lib. is one year PG course to avail degree in library science.

Course	Eligibility	Duration	No. of
M.Lib.	A candidate with B.Lib.I.Sc.	1 year	24

The detailed syllabi and examination pattern are available on SPPU website: <http://unipune.ac.in>.

B.Voc. Programmes: Skill Development Courses

Deen Dayal Upadhyay KAUSHAL Kendra, a remarkable scheme was initiated and funded by the Government of India and the University Grants Commission aims at transforming India into the skill capital of the world. AGC is among the first few institutions in the country to be awarded with this scheme and takes great pride in being the pioneers in the skill development initiative. Now college runs these courses on non-grant basis under the name Skill Development Centre. These courses are intended to provide skill development training that focuses on quality, sustainability and skill proficiency in connection with Industry Partners in the relevant skill. The courses are as follows:

1. Mass Communication
2. Media Convergence
3. Beauty and Wellness

Intake Capacity: 50 per course

Eligibility: Passed 10 + 2 or equivalent examination in any stream and of any board.

Examination: The credit system pattern is followed for the examination.

1. Mass Communication and Media Convergence

It is considered as one of the fastest growing sectors in India. Along with sharing of information, this is fast emerging in entertainment, education, science and many other fields related to human life. Mass communication is successfully using the tool of media to connect people worldwide for enrichment of human life. This field has generated numerous career opportunities for the youths. Opportunities in Radio, Television, New Media, Advertising, Event Management, Public Relations, Publication business etc. not only assure a promising career but also give immense satisfaction through creativity and scope for entrepreneurship.

2. Beauty and Wellness

The beauty and grooming industry in the country is booming, owing to the growing desire among both men and women to look stylish and feel good. Beauty and wellness has 5 sub-segments: Salons and Beauty Center, Rejuvenation, Fitness and Slimming, Alternate Therapy and Treatment, and Product Consolation and Counter Sales. Objectives of the course are to develop the capabilities and knowledge and skill in all the above mentioned areas.

Ph.D. Programmes

Research Centres for Ph.D.: **Economics, Hindi**

These are the oldest departments in the college. Since establishment of these departments, the departments have made significant progress in teaching and several research activities at undergraduate as well as postgraduate level.

These departments have Postgraduate Research Centres, recognized by the Savitribai Phule Pune University. These Research Centres have undertaken the responsibility of guiding research students for Ph.D. degree. These departments have experienced and qualified staff. Also senior and well-known researchers have been associated with the centres for guiding the research activities.

Research areas in Economics department includes Banking, Agriculture, Industry, International Trade, Finance etc.

Ph.D. in Hindi provides students a basis to approach research topics related to Hindi literature and culture.

Science Faculty

F.Y.B.Sc./ F.Y.B.C.A. (Science)

Subject Combination	Subjects required at 12 th Std.	Intake Capacity	Admission criterion	Division	Eligibility
1. General Science (Grant - in - Aid course)					Higher Secondary Certificate (HSC) / 12 th std. or equivalent in Science from any recognized Board of Education in India
PCMS	PCM	140	By Merit	A or B	
PCME / PMSE	PCM	100	By Merit	B	
PCBZ	PCB	120	By Merit	C or D	
PCB ^a	PCB	45	By Merit	D	
CBZMi	PCB	40	Merit based on PCB total	D	
Mi ^b IM ^b C Z/B	PCB	40	Merit based on PCB total	D	
2. Computer Science (Non Grant Course)	PCM	80	Merit based on PCM total	CS	
3. B.C.A (Science) (Non Grant Course)	12 th Science	80	By Merit	BCA	
4. Biotechnology (Non Grant Course)	PCB	45	Merit based on PCB total	BT	

- a** Students can opt for Psychology (Psy) as one the four subjects. **However, Psychology is taught only at the F.Y.B.Sc. level for the Science stream and student has to pay extra fees in addition to the regular fees.**
- b** After getting admission to F.Y.B.Sc. with PCBZ or CBZPsy, student can apply for **Microbiology /Industrial Microbiology** admission. **It is by merit with CBZ group marks. Students admitted for Industrial Microbiology will have to pay extra laboratory fee each year in addition to the regular fees.**

Vocational Course : Industrial Microbiology

The vocational course in Industrial Microbiology framed by the University Grants Commission (UGC) has been conducted in our college from the academic year 1999-2000. Ours is the only college affiliated to the SPPU that offers this course presently. This three year vocational subject can be opted for by the students who have passed the 12th std. science examination.

Highlights of the course

A wide variety of applications of Microbiology in industry, including fermentation technology, pollution control technology, plant and animal tissue culture methodology, and biomedical technology are taught. This course is taught by experienced teachers in the field and various professionals from industry. It is designed to give the conceptual and working knowledge of techniques relevant to contemporary industrial practices.

The student specializing in this subject is required to complete 3-5 weeks of industrial training programme in a microbiological / biotechnological industry. This training is conducted during the summer vacation between the completion of second year and the commencement of the third year of the under graduate programme. The course has one paper on *Entrepreneurship Development* at the T.Y.B.Sc. level.

The three year vocational subject can only be opted for by students taking Microbiology as their principal subject, having offered Industrial Microbiology at the F.Y.B.Sc. and S.Y.B.Sc. levels.

Course Structure

Course	Total no. of theory papers per semester	No. of lectures/subject and practical per week		Total no. of credits per semester
F.Y.B.Sc. (Gen/ BT/ CS)	8	3	4	22
F.Y.B.C.A.(Science)	4	4	4	22

Compulsory Additional credits - 1) Physical Education (2 credits)
2) Democracy and Governance

Student has to earn total eight additional credits till TY to get the degree certificate.

S.Y.B.Sc./ S.Y.B.C.A. (Science)

Subject Combination	Compulsory subject	Admission criterion	Total no. of theory papers per semester	No. of lectures / subject and practical per week		Total no. of credits per semester
General Science PMS,PCM, PME,PSE,CMS, PCE,PCZ,PBZ PCB,CBZ,CZMi, CBMi,CMilm	Any one language (English / Marathi / Hindi) and Environmental Awareness Course (EVA)*	No. of Credits required from F.Y.B.A. Sc as per the rules of SPPU	8	3	3	22
Computer Science and Biotechnology As Prescribed by SPPU						
B.C.A (Science) As Prescribed by SPPU			3	5+2	3	22

A student can opt for **any three subjects** out of four subjects offered at F.Y.B.Sc, with the exception of Psychology. There are equal numbers of seats for Zoology and Botany.

*Environmental awareness is a compulsory subject for S.Y.B.Sc. Passing in this subject is compulsory to get a degree certificate. The course will be conducted as per timetable. The external examination will be conducted at the end of each semester by SPPU.

T.Y.B.Sc./ T.Y.B.C.A. (Science)

Subject Combination	Admission criterion	Total no. of theory papers per semester	No. of lectures/ subject and practical per week		Total no. of credits per semester
General Science Botany, Chemistry, Electronic Science, Industrial Microbiology, Mathematics, Microbiology, Physics, Statistics, Zoology	Passed in all subjects of F.Y.B.Sc.and Pass / ATKT in S.Y.B.Sc.	6 + 2 SEC	3	3	22
Computer Science and Biotechnology As Prescribed by SPPU					
B.C.A (Science) As Prescribed by SPPU		3 + 2 SEC	5 + 3 SEC	3	

M.Sc.

All M.Sc. courses are of two years duration after the corresponding Bachelor's degree. The M.Sc. course consists of four semesters, with examinations at the end of every semester as per the circular issued by the SPPU. Choice Based Credit System (CBCS) and Semester system has been implemented for all Post-Graduate Courses from the academic year 2019-2020. Each semester is of **20 credits**. **Details of the syllabi can be obtained from the SPPU website: <http://unipune.ac.in>**

M.Sc. in Biodiversity is the unique and only course in SPPU conducted by AGC. Annasaheb Kulkarni Department of Biodiversity imparts 'borderless education' to the students by the way of 'experimental learning' process. It has a strong research focus with grass-root linkages. MoEF - GoI, DST - GoI, ISRO-UoP, DBT - GoI, SPPU to name a few. Promotion of out of the box thinking has helped students reach higher echelons in their life as evident by Antarctic Expedition, Darwin Scholarship, Harvard Field Course at Borneo, Asian Geographic Photography prize etc.

The course structure and examination pattern for each course varies with the subject. Detailed timetables and course structures are available at the respective departments. **College timings for postgraduate classes will be separately notified by the respective departments.**

Subject	Eligibility	Intake Capacity	Admission criteria	Grant Status
Microbiology	B.Sc. Microbiology	24	Entrance test + Merit	Grant-in-Aid
Organic Chemistry	B.Sc. Chemistry	24		
Analytical Chemistry	B.Sc. Chemistry	24	Entrance test + Merit	Non-Grant
Physics	B.Sc. Physics	24		
Computer Science	B.Sc. Computer Science	60		
Biotechnology	B.Sc. Biotechnology	24		
Mathematics	B.Sc. Mathematics	60		
Biodiversity	B.Sc. in Science (any branch)/ Agriculture/ Fisheries/ Pharmacy/ Forestry/ Medicine/ Engineering (any branch) with mini. 50% of marks	24	Entrance test	
Computer Applications	B.Sc. Science with any subject	30		

Ph.D. Programmes

The Departments of **Chemistry, Microbiology, Biodiversity (Environmental Science), Physics, Electronics Science** are recognized Ph.D. centers of the SPPU. All the departments have well equipped laboratories to carry out the research and recognized guides affiliated to SPPU.

Examination

Class	Type of Examination	Marks allotted per subject	Passing Criteria
F.Y.B.A./S.Y.B.A./ T.Y.B.A. (CBCS Pattern)	Continuous Assessment (CA)	30	A separate passing (min.40%) for CA and UE. Practical course exam will be conducted at the end of each semester
	University Evaluation (UE)	70	
F.Y.B.Sc./ B.C.A. S.Y.B.Sc./ B.C.A. T.Y.B.Sc./ B.C.A. (CBCS Pattern)	Continuous Assessment (CA) 1. Assignment / Seminar / Group discussion / Open book test / Viva Voce / Mini Project / Any other method with prior approval of Principal and Controller of Examination	5	
	2. Mid Term Examination	10	
	Total Marks for Theory and Practical (CA)	15	
	University Evaluation (UE)	35	

Class	Type of Examination	Marks allotted per subject	Passing Criteria
M.A. I and II (CBCS Pattern)	Continuous Assessment (CA)	50	A separate passing (min.40%) for CA and UE. Practical course exam will be conducted at the end of each semester
	University Evaluation (UE)	50	
M.Sc. (CBCS Pattern)	Continuous Assessment (CA) 1. Assignment / Seminar / Group discussion / Open book test / Viva Voce / Mini Project / Any other method with prior approval of Principal and Controller of Examination 2. Mid Term Examination	15 30 marks converted in to 15	
	Total Marks for Theory and Practical (CA)	30	
	University Evaluation (UE)	70	

Student those who will pursue CBCS pattern, he/she has to earn additional credits. For more details visit SPPU website: <http://unipune.ac.in>

The schedule of the internal / continuous assessment exams will be notified well in advance. All students must appear for the Internal Examination conducted by the college. These examinations are compulsory, and as per the rules and regulations of SPPU, **no re-internal exam will be conducted for any UG/ PG classes.**

Admission

Application for admissions to the college must be made in the prescribed on-line admission form immediately after the results of the relevant qualifying examination are declared. Details of the admission procedure will be available time to time on the college website <http://garwarecollege.mespune.in>, and on college notice boards.

For all classes, students must fill in all the details correctly on the **Vridhhi**, an on-line admission form. Incomplete form will not be accepted and the concerned student will be held responsible for incomplete information. No complaints will be entertained in this regard at a later date. Students from other colleges affiliated to SPPU should obtain their Transfer Certificate (TC) from their previous colleges, before applying for admission to Abasaheb Garware College.

Students and their parents / guardians are requested to consider carefully while deciding the course for which admission is to be sought. The college authorities and teachers will be glad to counsel the matter with the students and their parents / guardians at the time of admission and offer suitable advice.

Students should note that getting the admission form does not necessarily ensure admission to the college. **Admissions are done strictly according to merit, availability of seats and the rules of the SPPU and the State Government.**

Admission of the candidate will be considered to be confirmed only if the fees for the course are paid on the same day on which the admission forms are verified, signed and the division is assigned by the concerned authorities (Staff-in-Charge / Vice Principal / Principal).

Class	Pre-requisite	Actual Process	Intake Criterion
F.Y.B.A./B.Sc./B.C.A. M.A. I/ M.Sc. I* M.Lib. F.Y. B.Voc.	1. Fill the Merit Form 2. Display of Merit list	Fill the Vridhhi , admission form	Admission to a particular subject depends on intake capacity and reservation rules of SPPU and GoM Provisional Admission will not be given to any students.
S.Y.B.A./ T.Y.B.Sc.(Gen)	1. Fill the Preference Form particular subject. 2. Display of Merit List		
T.Y.B.A./ S.Y.B.Sc. S.Y./T.Y.B.Voc.	-----		
M.A. II / M.Sc. II	-----		

*For courses where students are admitted on the basis of Entrance Tests, the departments notify the procedures on the College Notice Boards and the college website.

Due to COVID-19 pandemic, the admission process may change. Students are requested to visit college website during the admission process.

Organ Donation Form

As per the directive and request from the Minister for Public Health and Family Welfare, Govt. of Maharashtra, letter No. CS/JBVC/13/(7861)1792, dt 15.06.2013, and Savitribai Phule Pune University Circular No. विक्रम/ 2014-15/1027, dt 26.02.2015, our college has decided from the academic year 2016-2017 onwards to implement the incorporation of organ donation pledges on students' Identity Card. We have taken this decision since we are of the strong belief that incorporating the organ donation pledges on students' identity cards will be an effective step not only in promoting organ transplantation, but in inculcating a sense of social responsibility among the student community. Student as to fill this form along with admission form.

Equivalence

The admission to S.Y.B.Sc. and T.Y.B.Sc. is for students from colleges other than those under the jurisdiction of SPPU:

- I. Such students will follow all the norms of admission as given above.
- II. In addition, these students will have to fill in the SPPU equivalence forms available in the college office and submit the form to the college office.

Admission Norms for Foreign / NRI / POI Students

All International (Foreign) Students have to qualify the English Proficiency Test I and II conducted by the International Students' Centre, SPPU. A certificate stating the same will have to be produced at the time of admission.

Without the specific written permission from the International Students' Centre, SPPU, no student will be admitted directly to any course / class. The college does not admit foreign nationals, non-resident Indians (NRI), or persons of Indian Origin (POI), directly.

All procedures for application to the various classes will be the same as those for Indian students. The following forms duly completed and signed by the Deputy Commissioner of Police and FRO Special Branch Pune should be submitted at the time of admission.

- a. Form - A (Registration of Foreigner)
- b. Residential Permit
- c. Form - C (Validity Certificate)
- d. College Form for Foreign / NRI students

.Fees: As per SPPU Circular No. ISC/630/dt.10.03.2004, the fees charged for all Foreign Nationals / POI / NRI students will be five times the tuition fees and laboratory fees paid by students from Maharashtra.

Students from the SAARC countries will pay three times the tuition fees and laboratory fees paid by students from Maharashtra.

Admission Norms for Students from outside Maharashtra (Applicable for all courses)

Students out of Maharashtra have to fill a special form along with the regular admission form. Attested copy of cast certificate validated by the government of Maharashtra must be submitted if the students wish to seek the benefit of reservation. Otherwise the students will be treated as open category students.

Fees: All students from outside Maharashtra will pay double the tuition fees and laboratory fees paid by students from Maharashtra.

The details of the fees to be paid at the time of admission are available in the college office.

Eligibility Certificate

The rules of Eligibility apply to all students, both of Arts and Science faculties admitted to First Year Undergraduate and First Year Post Graduate classes also and also to students newly admitted to other classes from other universities.

Students migrating from other Universities / Boards either from the State of Maharashtra or from outside Maharashtra will be admitted to the college on production of an Eligibility Certificate (or a provisional admission Eligibility Certificate). Admission of students who have submitted the provisional Eligibility Certificate from the SPPU will be treated as provisional admission. For obtaining the Eligibility Certificate, students will have to apply to the SPPU in the prescribed form for Eligibility Certificate and supplying the following certificates in original (and a photocopy thereof) with the application:

1. Passing certificate
2. Statement of marks of the previous examination
3. Migration Certificate from previous University / Board
4. Attendance, Character and Transfer Certificate from the Principal of the previous college
5. Valid Caste Certificate

For students from Boards other than Maharashtra and students from other states, fees of Rs. 500/- for Non-Professional and Rs. 1,000/- for Professional Courses will be charged.

In any case, eligibility fees paid shall not be refunded (Ref. SPPU Circular No. 82 of 1978).

The responsibility of obtaining an Eligibility Certificate from the SPPU lies with the students themselves. The college will provide necessary guidance in this regard.

Refund of Fees

The candidates canceling their admissions will be entitled to receive the refund of tuition fees, development and other fees after deducting the amount as indicated by the State Government or Savitribai Phule Pune University.

All refunds will be made through NEFT / RTGS or by cheque only. No cash will be given. If a student withdraws admission, he/she will be given refund of fees as per SPPU rules, vide **SPPU Circular No. PGS/676 dated 28/02/2020.**

Admission form processing fee Rs.55/- is directly deposited in to the bank account of Vriddhi Software and is not refundable on cancellation of admission.

Refund of Caution Money and Library Deposit

1. Students are advised to preserve their receipt of deposit carefully and submit it to the college along with the application for claiming the refund.
2. Students are advised to claim their deposits within one year of leaving the college. **The period in which refunds will be given is from 1st September to 30th November of the subsequent year only.**
3. After expiry of the one-year period, the unclaimed deposits of all students will be forfeited and no claim under any circumstances will be entertained.
4. **No application for refund of Caution Money and Library Deposit will be entertained without the Deposit Receipt.**

Attendance / Grant of Terms (for all courses)

Every student must attend at least 75% for all lectures and practical. No exemption shall be granted under any circumstances. Attendance for tutorial / terminal / preliminary examination is compulsory. If the attendance is not satisfactory, parents/guardians will be notified

Autonomous Certificate Courses

1. Certificate Course in Anuvad Vidnyan

Due to globalization in the twentieth century, distances between different countries have decreased at social economic, cultural, industrial, scientific and business levels. Inter-language exchange is increasing in countries. As a result, translation is increasing in the world. If we have to understand the socio-economic, cultural, industrial, scientific, religious and commercial status of other countries, then this information can be found only through translation. Translation has gained importance in the field of employment in the later part of the twentieth century. Many employment opportunities are being available through translation. Keeping this in mind, the Department of Hindi is introducing this translation certificate course.

Eligibility: 12th and above

Duration: 3 Months

Days: Twice a week

Medium: Hindi

For further details please contact the Coordinator, Dr. Milind Bankar, Department of Hindi, e-mail id: bmilind358@gmail.com

2. Certificate Course in DTP

This course enables the student to learn the application of computer for the purpose of printing and publication industry. It will help the student to acquire knowledge of data entry, data processing, desktop publishing and designing. It will also help the student to learn art of printing, binding, costing of book publication and to understand the legalities of it.

Eligibility: 12th and above

Duration: 3 Months

Days: Thrice a week

Medium: Marathi

For further details please contact the Coordinator, Dr. Varsha Todmal, Department of Marathi, e-mail id: varsha.todmal@gmail.com

3. Certificate Course on Indian Script

India is a Multilinguistic country having government recognized 21 languages and 11 scripts. Apart from Devnagnari, Roman and Urdu there are 8 scripts which are being used to express. In order to learn any new language we need to learn the script of that language and this course basically aims towards learning these scripts.

Eligibility: 12th and above

Duration: 72 Hours

Days: Once a week

Medium: Bilingual

For further details please contact the Coordinator, Dr. Vinay Chati, Department of Mass Communication and Journalism, e-mail id: vinay.chati@gmail.com

4. Certificate Course in Fundamentals of Indian Share Market

An important aspect of financial reforms is the development of a pool of human resources having right skills and expertise to help enhance quality intermediation in the financial markets. This course teaches and enhances the practical knowledge about skills required to operate in the financial markets. This course reveals the concept of mutual funds and helps create awareness and knowledge about the industry and its functioning.

Eligibility: 12th and above

Duration: 10 weeks

Days: Twice a week

Medium: English

For further details please contact the Coordinator, Dr. Nitin Ade, Department of Economics, e-mail id: nda.agc@mespune.in

5. Certificate Course in Buddhist Philosophy and Psychology

Need of course- In today's age of hurry and stress we require proper understanding and solutions to our day to day problems. This course will cultivate an attitude to look at these problems. Theoretical and philosophical aspects of this course will help us to cultivate the attitude while practical approach through meditation and mindfulness technique will orient to handle various situations.

Eligibility: 12th and above

Duration: 3 months

Days: Twice in a week

Medium: Marathi

For further details please contact the Coordinator, Shri. Pradeepkumar Mane, Department of Logic and Philosophy, e-mail id: pradeeppolymath@gmail.com

6. Certificate Course in Koha and D Space

There are always advancements in technologies therefore students and Library science professional needs hands on experience on Software which are freely available on net DSpace and Koha. Before going to the academic institutes this would be additional qualification for our students.

Eligibility: B.Lib.I.Sc./ M.Lib.I.Sc.

Duration: 5 days

Days: Four Sessions in a week

Medium: English

For further details please contact the Coordinator, Dr. Vandana Shelar, Department of Library Science, e-mail id: vandanashelar@gmail.com

7. Certificate Course in Debates of International Politics in the Global Age- Uncertainty, Solidarity and Innovation

During the course, students shall be introduced to the major principles, concepts, actors/non-state actors and theories of the international system. Students will learn to apply these theories to current debates, issues and conflicts to gain an objective and informed view. They will be able to discover how political systems interact and what their impacts are worldwide.

Eligibility: 12th and above

Duration: 6 Months

Days: June to February

Medium: English

For further details please contact the Coordinator, Dr. Aparna Agashe, Department of Political Science, e-mail id: agasheaa@hotmail.com

8. Certificate Course in Gender Studies: with special reference to Femininity, Masculinity and Third Gender

It is an unconventional certificate course which will borrow its tools of study from varied disciplines, like literature, media and mass communication, social sciences, psychology, philosophy and counseling. It involves interactive mode of teaching, field trips etc. the students will have to give presentations on their assignments at the end of the course where will be evaluated. The course will be helpful for students seeking admissions for MSW and for those who wish to make career in social welfare

Eligibility: UG, PG students, Social and NGO workers

Duration: 6 Weeks

Days: Twice a Week

Medium: English

For further details please contact the Coordinator, Dr. Chetana Desai, Department of Sociology, e-mail id: chetanadesai2014@gmail.com

9. Certificate Course in Psychometric Testing, Counseling and Psychotherapies

This course will provide opportunity for a training of psychometric aspect of the important tests like tests of intelligence, personality, aptitude and clinical tests will be taught. Counselling procedure, counselling skills and diagnostic skills for behaviour, emotional and adjustment test will be introduced. A suitable therapy with all its procedure and skills will be employed according to the nature of the problem. This course will provide better guidance and skills to all those concerned who have no sound knowledge of the psychometric tests, counselling and therapeutic skills.

Eligibility: Law graduates PG students, MSW, Counsellor

Duration: 1 Year

Days: Twice a week

Medium: English / Marathi

For further details please contact the Coordinator, Shri. Rakesh More, Department of Psychology, e-mail id: rampsysc@gmail.com

10. Certificate Course in Basic English for Office/Non-Teaching Staff

The course would enable the office staff to polish and brush up their English by a focused attention to four basic skills namely Reading comprehension, listening comprehension, writing skill and speaking skills. Approach will be activity based. The participants will go through guided practice of the above mentioned four skills and there will be problem shooting if and when necessary.

Eligibility: 10th std.

Duration: 1 Week

Days: Daily

Medium: English

For further details please contact the Coordinator, Dr. Gautami Pawar, Department of English, e-mail id: gautamipawar24@yahoo.co.in

11. Certificate Course in Basic Ornithology

The course is conducted in association with Ela Foundation, through the OENSL [Ornithology, Ethno-Ornithology and Natural Sounds Laboratory] and has now completed 17 th consecutive years of knowledge sharing. The course is conducted with the philosophy of imparting scientific understanding of bird life to promote nature and bird conservation through peoples' participation. Over one thousand participants from rural and urban areas of Maharashtra have completed the course till date. Various aspects of ornithology are covered including biodiversity, history of ornithology, ethno-ornithology, avian adaptations for flight, anatomy, how birds fly, flightlessness, why birds migrate, feeding behavior, breeding behavior, bird communication, birds as architects, habitats, GIS Mapping, population dynamics, avian archaeo-zoology, evolution of birds, bird calls, bird photography, birds as bio-indicators, bird diseases and treatment, avian influenza monitoring, bird survey techniques, current issues in ornithology, legal aspects, wildlife crime, conservation, bird feeders and nest boxes, role of journalism in bird conservation, etc. The course is conducted using audio-visual interactive presentations, demonstrations, workshop, field visits and tree plantation program. Students may have an opportunity to participate in some field projects of Ela Foundation and in its community biodiversity education and conservation outreach programs in rural areas.

Eligibility: 12th Pass/Bird lovers

Duration: 40 lectures (Approx :2.5 months)

Days: Twice a week (Mon, Thur)

Medium: Bilingual

For further information please contact. Coordinator Dr. Nirbhay Sudhir Pimple, Department of Zoology e-mai Id: nsp.agce@mespune.in or Prof. Dr. Satish A. Pande, Director, Ela Foundation e-mail: info@elafoundation.org

12. Certificate Course on Mathematical Software

R-software, Python supports for matrix calculations. R-software, Python are used in data analytic, machine learning, cloud computing etc. It is widely used in IT industries. It helps students for their placement in industries.

Eligibility: 12th Science and above

Duration: 3 Months

Days: Twice a week

Medium: English

For further details please contact the Coordinator, Ms. Anita Watekar, Department of Mathematics, e-mail id: anita7783@gmail.com

13. Certificate Course in Water: Elixir of Life

The present course aims at providing basic understanding about the analysis and treatment methods of water. It involves hands on training on various instruments related to water analysis. The course focusses on the improvement of the experimental skills of students. It involves a blend of classical and contemporary techniques of water analysis. It also aims to inculcate research aptitude among students. This course is highly beneficial for Under Graduate and Post Graduate students.

Eligibility: UG, PG students from any Science Subject

Duration: One week [48 hours]

Days: Daily

Medium: English

For further details please contact the coordinators Dr Preeti Kulkarni and Dr. Anup Kate, Department of Chemistry, e-mail Id: psk.agc@mespune.in and ank.agc@mespune.in

14. Certificate Course in Professional Painting Contracting

Decorative and protective applications of paints and coatings have become the everyday part of our life. Residential and commercial premises, government and private buildings, metal as well as wooden furniture's, roads and number of surfaces need a regular maintenance of paintings. This business recorded a constant growth and also considered to be a good margin sector. This course covers the fundamental understanding and the depth of painting business in rural and urban Indian market. This course covers each and every details of Painting business, which will lead someone to start with professional method. We look forward to train the positive minds in becoming successful painting contractors.

Eligibility: B.Sc. and above

Duration: 2 Months

Days: Twice a Week

Medium: English /Marathi

For further details please contact the Coordinator, Dr. Vijay Kasture, Department of Chemistry, e-mail id: vijaylmk@gmail.com

15. Certificate Course in Data Analysis using R software

Data Analysis is a process used to inspect, clean, transform and remodel data with a view to reach to a certain conclusion for a given situation. This is essential because analytics assist humans in making decisions more scientific and help businesses operate more effectively. Data Analysis is used in different business, science, and social science domains.

R performs a wide variety of functions, such as data manipulation, statistical modeling, and graphics. One real big advantage of R, however, is its extensibility. R has packages covering a wide range of topics such as econometrics, finance, and time series. R has best-in-class tools for visualization, reporting, and interactivity, which are as important to business as they are to science

Eligibility: B.Sc. and above

Duration: 3 Months

Days: Twice in Week

Medium: English

For further details please contact the Coordinator, Dr. Nanda Rajput, Department of Statistics, e-mail id: nandarajput@yahoo.com

16. Certificate Course in Scientific Data Plotting and Analysis using Microsoft Excel

To work in scientific environment efficiently, use of different software such as Microsoft Excel, Word, PowerPoint, Origin, etc. is today's necessity. The Microsoft Excel is widely used in day to day functioning. It is a very powerful data analysis tool. The certificate course is designed to give working knowledge of Excel for scientific purposes and it also gives introduction to the VBA programming of Excel. The knowledge gain through the course will be definitely useful for plotting the graphs, solving the scientific problems and data analysis. The course is useful for those learners who have very little functional knowledge of Excel and those who use Excel regularly and wish to enhance their skills. The course takes you from Excel basics, scientific formulas, data analysis, plotting of data and introduction to Macros and VB editor. Excel functionality will be introduced using simple examples and also demonstrated in a way that learners can become comfortable in understanding and applying them. Moreover, the course also focused on use of Microsoft Word and PowerPoint tool powerfully for scientific writing and presentation.

Eligibility: UG, PG, Research students of any discipline

Duration: 8 weeks (30 Hours)

Days: Twice a week

Medium: English

For further details please contact the Coordinator, Dr. B.J. Patil, Department of Physics, e-mail id: amolbhushan@gmail.com

17. Certificate Course in Embedded System Design Using Microcontroller

Embedded systems are playing important roles in our lives every day, even though they might not necessarily be visible. Embedded system is a rapidly growing industry where growth opportunities are numerous. Embedded programming is basic for any system to work properly. It is important for an embedded programmer to be familiar with the programming interface of the systems. This course prepares you to understand the field of embedded programming. You will learn the type of memory that developer choose for embedded programming. You will also be trained to write code for embedded software using simulator.

Eligibility: 12th Science and above

Duration: 30 Hours

Days: Weekends

Medium: English

For further details please contact the Coordinator, Dr. Supriya Patil, Department of Electronics, e-mail id: patilss121@gmail.com

18. Certificate Course in Landscape Designing and Gardening

Eligibility: 12th std. and above

Duration: 3 months

Days: Twice a week

Medium: Bilingual

For further details please contact Dr. Sharayu Sathe and Shri. Atish Gavit, Department of Botany, sharayusathemes@gmail.com

19. Certificate Course in Isolation and Synthesis of Flavours and Fragrances

The Food, Home and Personal care Industries are the largest consumers of flavours and fragrances. Students can isolate flavours and fragrances in natural and synthetic way in the laboratory. They will learn different techniques needed for isolation and synthesis of flavours and fragrances. Students will get either job in Industries or start their own start up.

Eligibility: TYBSc and MSc students

Duration: One week

Days: Daily

Medium: English

For further details please contact the Co-ordinators Dr. Varsha S. Honmore and Prof. (Dr.)Shobha A. Waghmode, Department of Chemistry, email Id: vsh.agc@mespune.in and saw.agc@mespune.in

20. Certificate Course in Scientific Writing and Science Communication

Effective scientific writing and science communication is an essential skill and a vital requirement in academic and research career. There is no comprehensive set up of learning academic writing in the knowledge domain. This course aims to fill this gap by providing the fundamental knowledge required for effective and result oriented Scientific Writing and Science Communication. The course shall be helpful for under graduate students, PG students, research scholars, young scientists and faculty members (of any discipline or subject) for acquiring funding, securing a job, attracting media coverage and publishing great papers. The training course is in online mode and is constructed in a way to provide the necessary skills needed in scientific communication.

Eligibility: 12 th passed and above

Duration: 10 weeks

Days: Twice in a week

Medium: English

For further details, please contact the coordinators Dr. Surabhi Nikhil Shintre and Prof. (Dr.)Shobha A. Waghmode, Department of Chemistry, e-mail Id: sn.agc@mespune.in and saw.agc@mespune.in

21. Summer Internship in Nanotechnology for BSc and MSc Students

This program is intended for the undergraduate students from colleges which includes Trans disciplinary Approach towards Nano science. It is an ideal opportunity for the UG science students. Agriculture students wishing to learn about the advanced concepts and recent developments in Nanotechnology from the experts.

Eligibility: UG, PG Science and Agriculture students

Duration: 10 days

Days: Daily

Medium: English

For further details please contact the coordinators Prof. (Dr.) Shobha Waghmode and Dr. Vidya Kalyankar, Department of Chemistry, email Id: saw.agc@mespune.in and vkk.agc@mespune.in

22. Certificate Course in Data Science

Data Science is being used in many aspects of today's business. This has created a large demand of Data Analysts in market and the supply is not in pace with the demand. To work as Data Analyst, the person should be skilled in technology, Mathematics and Statistics. The certificate course in Data Science will give a student, the exposure to concepts of Data analytics, tools in Python, R software and Machine Learning and more along with the hands on training.

Eligibility : XII passed with Mathematics as one of the subjects

Duration : 1 year

Days: 3 days a week

Medium : English

For further details please contact the Coordinator, Mrs. Chitra Nagarkar, Department of Computer Science, e-mail id: chitranagarkar@rediffmail.com

23. Certificate course in Cell Line and Cell Culture

In the era of modern technology and scientific discoveries importance of cell culture cannot be undermined. Cell culture technology has not only brought us in-sync with in-vivo conditions but has also helped us modify and study the changes involved with different environmental factors in real time. IVF, drug pharmacology, host-parasite interaction are few applications of cell culture. This certificate course is aimed at providing students with basic hands-on-training required for the study of cell culture and cell lines. This course also aims at extension of theoretical knowledge procured during theory sessions. Hence, this course will bridge the gap between text knowledge and industrial application of cell culture.

Eligibility: UG /PG / Research students

Duration: One Week (30 hours)

Days: Daily

Medium: English

For further details please contact the coordinator of the course Dr. R.A. Walhe, and Mrs Nupura Joshi, Department of Microbiology, email Id: rawalhe@rediffmail.com or nupurajoshi@gmail.com

24. Certificate Course in Plant Tissue Culture

Plant tissue culture is collection of experimental methods of growing large number of isolated cells or tissues of plant origin under sterile and controlled conditions. Plant tissue culture is a practice used to propagate plants under sterile conditions often to produce clones of a plant. The workshop is designed to provide the same through theory sessions and Laboratory exercises.

Eligibility: 12th Sc. and above

Duration: 6 Days

Days: Daily

Medium: English

For further details please contact the Coordinator, Dr. Gauri Abhyankar, Department of Botany, e-mail id: gauri.abhyankar@gmail.com

25. Short Term Course in Maharashtra Gadsanskriti

Forts are considered to be the royal heritage of Maharashtra. The course aims to give the participant an in-depth knowledge of the forts of Maharashtra. This course is designed to develop practical approach of looking towards our heritage. The course also intends to build certain skills amongst the students. The course will have online lectures as well as field visit. One field trip to a fort will be conducted under expert supervision at the end of the course.

Eligibility: Open to all

Duration: 15 Days

Days: Daily

Medium: Marathi

For further details please contact the Coordinator, Ms. Apurva Pawar, Department of History, e-mail id: pra.agc@mespune.in

26. Certificate Course in Bioinformatics

The course aims to offer students with the emerging techniques in Bioinformatics and structure prediction. Bioinformatics study integrates biology, computer science, mathematics and statistics to analyse and infer the biological data. Bioinformatics tools helps in various areas like analysing genomic data, understanding phylogenetic relationships and also analysing metabolic pathways and network. It also aids in stimulation and modeling of DNA, RNA and proteins in structural biology. The advancements in Omics techniques along with the theoretical biology can be effectively applied for the molecular modeling, drug developing and drug target prediction.

Eligibility: Minimum qualification required is S.Y. B.Sc. with subjects like Biotechnology, Botany, Microbiology, Zoology, Chemistry

Duration: 6 months

Medium: English

Days: 3 days a week

For further details please contact the Coordinator, Dr. Madhura Damle, Department of Biotechnology, e-mail id: md.agc@mespune.in

27. Short Term Certificate Course on Nanomaterials' Synthesis, Characterization and Analysis Techniques

A tremendous enhancement in the research activity of material science has been developed in recent years. The materials thus formed have new and novel combination of physical and chemical properties. The various applications in the field of materials science and nanotechnology attracts students to carry out their project/research work. The pre-requisite to this is to know various synthesis, characterization and analysis techniques. This certificate course is designed considering the importance and interest of PG, UG and research students from Physics, Chemistry, Biotechnology, Microbiology, Electronics.

This course provides an opportunity to gain the knowledge of various synthesis, characterization and analysis techniques. It comprises synthesis techniques such as Sol-gel auto-combustion, Spray Pyrolysis, Spin coating, Hydrothermal, Chemical Co-precipitation, Chemical bath deposition. This course also offers opportunity to study various characterization techniques like XRD, SEM, TEM, EDX, VSM, UV, FTIR spectroscopy. Students will also explore various software to analyse the data using MS-EXCEL, Origin, VESTA, ImageJ in a scientific way. This will be deliberated using some illustrations and also demonstrated in a way that learners can become comfortable in understanding and applying them for their project/research work. This course will be advantageous to UG/PG and research students to carry out their projects/research work.

Eligibility: UG, PG & research students

Duration: 8-9 Weeks

Days: Twice in a week

Medium: English

For further details please contact the co-ordinator Dr. Vinod N. Dhage, Department of Physics e-mail id: dv.agc@mespune.in

28. Short Term Certificate Course on Introduction to Arduino

Arduino is an open-source platform used for building electronics projects. Arduino consists of both a physical programmable circuit board or microcontroller and software, IDE (Integrated Development Environment) that runs on the computer. It is used to write and upload computer code to the physical board. Arduino board designs use a variety of microprocessors and controllers. The Arduino IDE supports the languages C and C++ using special rules of code structuring. Arduino can interact with buttons, LEDs, motors, speakers, cameras, TV and smart phones etc. It can be used for almost any electronics projects. This course will focus on creative thinking and on hands-on project development using Arduino Boards. After successful completion of this course, student will be able to use various Arduino Boards, its various components, Input / Output Pins, Input / Output Devices. They will be able to understand general concepts of programming Arduino Boards and learn about any new IDE, compiler, and MCU chip in Arduino compatible boards or similar types.

Eligibility: UG students of Physics and Electronics

Duration: 08 Weeks (30 Hours)

Days: Twice a week

Medium: English

For further details please contact the coordinator, Dr. R.S. Patil, Department of Physics, email Id: rsp.agc@mespune.in

29. Certificate Course on Mathematical Software

Introduction to various software: SAGE, OCTAVE and LATEX SAGE (System for Algebra and Geometry Experimentation) is a computer algebra system (CAS) with features covering many aspects of Mathematics including algebra, combinatorics, graph theory, numerical analysis, number theory, calculus and statistics. Octave helps in solving linear and nonlinear problems numerically. Using SAGE and Octave many Mathematical problems can be solved easily. These software are the tools for visualizing different mathematical concepts using 2D and 3D graphs. And LATEX is used for type setting documents.

Eligibility: 12 th Science and above

Duration: 15 Days

Days: Daily

Medium: English

For further details please contact the Coordinator, Dr. Lata Kadam, Department of Mathematics, Contact Number: 9922065375; e-mail id: lata7429@gmail.com

30. Certificate Course on Python (Applications to Mathematics)

Python supports for matrix calculations. It is used in Data Analytic, Machin learning, Cloud Computing etc. It is widely used in IT industries. It helps students for their placement in industries.

Eligibility: 12 th Science and above

Duration: 15 Days

Days: Daily

Medium: English

For further details please contact the Coordinator, Mr. Krishnat Masalkar, Department of Mathematics e-mail id: krishnatmasalkar@gmail.com

31. Certificate Course in Python Programming Bootcamp

The Python Bootcamp has been designed in collaboration with industry professionals to bridge the gap between academic-level python coding ability and the requirements of the industry. The sessions will be taught by industry professionals, and will feature live-coding and demonstration of concepts, instead of the uninspiring slide presentations often seen in such classes. The students will be guided to create a Github-based portfolio of their work. This will enable them to present themselves with confidence and clarity at any interviews they appear for, after attending the boot camp. The course is divided into three levels as beginner, intermediate and advanced. Students can separately take admission to these levels and get certificate for each level. The details of the course are as follows:

✓ **For level 1:** Certificate course in Basics of Python Programming

Eligibility: Any 12th Pass candidate

✓ **For level 2:** Certificate course in Industry Standard Python Programming

Eligibility: Any candidate knowing basics of python programming

✓ **For Level 3:** Certificate course in Advanced python programming

Eligibility: Must have completed level 1 and level 2

Students who complete all the three levels are eligible to get completion certificate of Certificate course in Python programming Bootcamp.

Duration: 30 hours / 8 weeks for each level

Days: 2 days

Medium: English

For further details please contact the Coordinator, Dr. Supriya Patil, Department of Electronic Science, e-mail id: patilss121@gmail.com

32. Certificate Course in Zoological Museum Maintenance

Museum is the heart of Zoology department. The animal specimens are preserved and maintained for detailed study. It is therefore essential to maintain the Zoological Museum so that the preserved specimens are maintained in good condition for studies over a long period (for decades or even for centuries). This short certificate course enables students to learn specimen preservation techniques for animals belonging to different taxa; long-term preservation and maintenance of animal specimens; overall maintenance of the Zoological Museum; Record keeping etc.

Eligibility: UG, PG, Research students of Biological Sciences **Duration:** Two weeks

Days: Daily **Medium:** English

For further details please contact Coordinator – Mrs. Swati Katdare, Department of Zoology, e-mail- kss.agc@mespune.in

33. Certificate Course in Skill Development for Employment and Entrepreneurship in Chemistry

To work as chemists in industry and academic organization or to develop independent business, the UG as well PG Chemistry students' needs to have extra skills. This course offers Overview of Employment Avenues in Chemistry. The development of Soft Skills: Communication skills, Interview skills, CV Preparation in holistic approach. The basic concept building and problem- solving approach in chemistry in order to crack the aptitude tests for jobs and placement along with Practical skills. Newer Trends in Chemistry: Safety awareness, Green Chemistry, IPR, Flow Chemistry etc. Key Areas to Learn: Understanding the Principles, Techniques and Applications of Modern Instrumentation

Techniques Practical Sessions: Common Purification Techniques, Spectral Data Analysis towards the Structure Elucidation etc. Special Sessions: Overview of Literature Search

Entrepreneurship Opportunities: Guidance from Professional Practitioners towards Self-employment/start-ups and Entrepreneurship.

Eligibility: UG and PG chemistry **Duration:** 45 hours

Days: Twice in week **Medium:** English

For further details please contact the coordinators Dr. H.R. Pawar and Dr. V.M. Kasture, Department of Chemistry, email id: haripawar2010@gmail.com and mk.agc@mespune.in

34. Guidance and Coaching for CSIR-NET and UGC-SET in Chemical Science

Eligibility: PG chemistry

Duration: 150 hours

Days: Twice in week

Medium: English

For further details please contact the coordinators Dr. H.R. Pawar and Dr. N.H. Kolhe, Department of Chemistry, email id: haripawar2010@gmail.com and nhk.agc@mespune.in

35. Guidance and Coaching for IIT-JAM, University/College M.Sc. Chemistry Entrance Examination

Eligibility: T.Y.B.Sc. Chemistry

Duration: 100 hours

Days: Twice in week

Medium: English

For further details please contact the coordinators Dr. H.R. Pawar and Shri. Sagar N. Dakhane, Department of Chemistry, email id: haripawar2010@gmail.com and snd.agc@mespune.in

36. Short Term Course on Spoken English

The course has designed to develop listening, reading and spoken skills in English; to increase the self-confidence through enhanced communication skills. It will also useful to rectify common spoken English errors.

Eligibility: Open to all

Duration: 75 hours

Days: Twice in week

Medium: English

For further details please contact Coordinator – Dr. Leena Chandorkar, Department of English, e-mail Id- lsc.agc@mespune.in





Government of Maharashtra Scholarships and Freeships

All Government scholarships and concessions and EBC/PTC/STC/Ex-servicemen applicable by rules can be availed by deserving students. Detailed information about these will be available in the College Office and also on the Govt. of Maharashtra website as given below:

For SC / ST / OBC / SBC / NT / EBC scholarships visit <https://mahadbtmahait.gov.in>

All students applying for Govt. Scholarship or Freeship should fill the form online and submit a hard copy of their application form to the college office.

Students please note that if forms are not submitted in time then he/she has to pay the full fees. **Student can avail only one type of Scholarship / Freeship.**

Eligibility for all students applying for Govt. Scholarship / Freeships as follows:

Sr. No.	Category	Scholarship	Freeship
1	SC	Annual income Up to Rs 2,00,000/-	No Limit
2	ST	Annual income Up to Rs 2,50,000/-	No Limit
3	OBC / SBC / VJNT	Annual income Up to Rs 1,00,000/-	< Rs. 8,00,000/-
4	Rajarshee Chh. Shahu Maharaj Shikshan Shulka Yojana (EBC)	Annual income Up to Rs 8,00,000/- (For OPEN Category only)	

HTBF (Help The Blind Foundation, Chennai) provides scholarships to visually challenged students of the college. College officials provide assistance in processing documents.

Other Features of the College

Endowment Awards

In addition to the Government Scholarships and Concessions, a number of scholarships and awards to the tune of Rs. 50,000/- are awarded each year to students offering specific subjects. The list of students' endowment awards is given below.

Most of these awards are endowment awards given by staff members (retired and current) and well-wishers of the college. Detailed information about these is notified by the Heads of respective departments.

Some endowment awards are also given to the Non-teaching staff of the college for their sincerity and devotion to work, cooperation and compatibility with students, staff, visitors, guests and colleagues.

Sr. No.	Name of Award	Eligibility Norms
1	Late Principal Harishchandra Trambak Desai Memorial Award	Student belonging to Backward Class- Secured First Class at S.Y.B.Sc. and S.Y.B.A. and studying in T.Y.B.Sc. and T.Y.B.A. and has a good moral conduct; co-operative with students, staff and colleagues, hobby, leadership qualities, achievements; recommended by HOD; finalized by Committee constituted by Principal
2	Ravbahaddur Bapu Hari Godbole Satshil Award	Good behavioral and determined student of S.Y.B.A. and S.Y.B.Sc. and studying in T.Y.B.A. and T.Y.B.Sc.; selected by Principal and Committee
3	Smt. Kamalabai Oak Award	Boy or Girl Student all-rounder in Sports, Art, Acting, Study, Elocution etc.; Recommended by HOD, finalized by Committee constituted by Principal
4	Late Narhar Shankar Jamadagni Memorial Award	First in Degree Examination
Library and Information Science		
1	Prof. D.V. Shevade Award	First in Cataloguing subject of B. Lib I. Sc. Exam
2	Late Radhabai Vishwanath Lele Memorial Prize	First in M. Lib. I. Sc. First in Research Methodology of M. Lib. I. Sc.
Mass Communication and Journalism		
1	Late Prof. Sharad K. Sahastrabuddhe Memorial Award	Highest marks in Public Relations subject of M.A. Journalism

Sr. No.	Name of Award	Eligibility Norms
Science Faculty		
1	Late Padmashree Dr. Abasaheb Garware Memorial Award	First Amongst all subjects at T.Y.B.Sc.
2	Smt Leelavati Jeur Prize	Talented, Poor and Deserving student of F.Y.B.Sc.
3	PHYL-79 Award	Best Outgoing Student in Physics Electronic Science
4	B. Y. Ogale Best Physics Student Prize	First in T.Y.B.Sc. Physics
5	Late Kedar Raghunath Upadhye Award	First in T.Y.B.Sc. Physics
6	S.N. Pawar Prize	First in T.Y.B.Sc. Physics Second in T.Y.B.Sc. Physics First in T.Y.B.Sc. Electronic Science Second in T.Y.B.Sc. Electronic Science
7	Late Sou. Kamalabai Yashwant Bhat Memorial Award	First in T.Y.B.Sc. Electronics Science
8	Late Sachin Bauskar Memorial Award	Poor and Deserving students studying in M.Sc. and from completed TY from AGC M.Sc. Organic Chemirstry M.Sc. Analytical Chemirstry
9	Late Dr. Suhas Gadre Memorial Award	Best Outgoing Student in M.Sc. Organic Chemirstry M.Sc. Analytical Chemirstry
10	Late Dattatraya Nilkanth Pujari Smruti Paritoshik	1 st in M.Sc. Organic Chemirstry
11	Dr. Babasaheb Ambedkar Youth Inspiration Milind Award	Backward Class student with good academic performance
12	Late D.M. Pethe Prize for Quiz Competition	Student securing highest marks in Quiz Competition organized by Department of Chemistry
13	Dr. M. J. Pujari Intercollegiate Lecture Competition	First in the competition
14	Late Sunil Rajaram Darekar Memorial Award	First in T.Y.B.Sc. Statistics
15	Late Mukundrao R. Wachasunder Memorial Award	First in M.Sc. Computer Science

Sr. No.	Name of Award	Eligibility Norms
16	Late Dattatraya Nilkanth Pujari Smruti Paritoshik	First in M.Sc. Computer Science
17	Dr. M.J. Pujari Intercollegiate Software Exhibition Competition	First in the competition
18	Parampujya Sadguru Bhagwan Shreedharswami Memorial Award	First in T.Y.B.Sc. Botany
19	Late Dr. M.V. Athawale Memorial Award	First in T.Y.B.Sc. either in Botany / Zoology / Microbiology
20	Late. Sou. Pratibha Prabhakar Bodhani and Late Prof. Prabhakar vasudeo Bodhani Award	A needy and poor student passing S.Y.B.Sc. and studying in T.Y.B.Sc. Zoology and not receiving any other prizes / scholarship
21	Late Sunil Newaskar Memorial Award	First in M.Sc. (Microbiology)
22	Late Sunil Newaskar Memorial Award	M.Sc. student cleared CSIR/ GATE/ NET in First Attempt
23	Late Jaideep Naik Memorial Talent of the Year Award	T.Y.B.Sc. passed student with First class in F.Y.B.Sc. and S.Y.B.Sc.; also involved in co- curricular and extra-curricular activities
24	Late Dr. Ramchandra Joshi Memorial Award	Student securing Highest marks at B.Sc. Microbiology B.Sc. Biotechnology
Arts Faculty		
1	Dr. M.K. Gadgil Award	First in B.A. Hindi First in M.A. Hindi
2	Jayashree Sharma Award	First in T.Y.B.A. with Hindi
3	Bhikchand Sharma Award	First in M.A. Hindi
4	Late Dr. Dattatraya Govind Natu Memorial Award	First in T.Y.B.A. English Girl Student Boy student
5	Late Prof. Harishchandra Desai Memorial Award	Student of T.Y.B.A. Psychology getting highest marks at S.Y. and T.Y.
6	Late Gopal Sitaram Vaze Memorial Award	First in T.Y.B.A. Psychology
7	Late Satyabhama Tukaram Ghodke Prize	First in M.A. Political Science
8	Late Laxmibai Shankarro Vidyasagar (Laxmishankar) Prize	First in B.A. History

Physical Education

First year students of all faculties have compulsory P.T. period and P.T. examination. **The uniform for the P.T. period and examination will be a Track Suit and Sports Shoes.**

P.T. project book and attendance is compulsory. These counts the marks in your P.T. examination. P.T. Practical examination will be conducted in second term which is also mandatory. The more information can be sought from Dr. Asha Bengle, Director, P.E.

NSS and NCC students are exempted from the P.T. period but not from any examination. Defaulters in this regard will have to pay a fine of the amount decided by the college authorities.

Facilities

Assembly Hall and Audio Visual Hall

The Assembly Hall and the Audio-Visual Hall of the college are used conventionally to host academic and co-curricular activities of the college. Conferences, Seminars and Workshops are conducted here. The college also allows the use of the Assembly Hall, **whenever possible with the discretion of college authorities**, for a wide variety of programs and events including music and theatre, social gatherings, lectures and brain storming meetings.

College Canteen

The college has a hygienic canteen which is open from 8.00 a.m. up to 5.00 p.m. and follows all the Government directives and no banned material is used and caters a wide variety of snacks, hot as well as cold drinks and other food items.

Central Facility and Instrumentation laboratory

The Central Facility was established in 2009-10 with the initiative taken by Department of Biotechnology with infrastructural contributions from Department of Biodiversity and Department of Microbiology. The facility has become a hub for all Molecular biology, Animal tissue culture and Computational Biology related practical and research projects. It is also open to other departments of the college.

The lab is well equipped with the state of the art instruments like: Gas Chromatograph, High Performance Liquid Chromatography, Thermocycler, ELISA reader, High speed Cooling Centrifuges, Gel documentation system, Automated Capillary Sequencer, Inverted microscope, Phase Contrast Microscope, Fluorescence Microscope.

Other specialized analytical facilities include Co₂ incubator, -80oC deep freezer, -20oC deep freezer, vertical Laminar Air flow, Fermentation room is equipped with state of the art 'Laboratory Scale Fermentor', which is situated at the Department of Microbiology.

The Computer laboratory houses a number of computers with internet facility which is available to the students for carrying out their assignments in different courses such as bioinformatics and computational biology, Computer applications, Statistics etc. besides helping in online database searches and literature search.

Central facility is available to outsourced projects and research equipment needs. We provide this facility to research institutes, colleges, NGOs and independent workers at competitive rates.

The Instrumentation laboratory (DST – FIST)

This facility is available with several modern instruments along with computers. It is a central facility which is used by students and staff members for chemical analysis of the material. This facility is developed with the funding received from DST under FIST program.

1. **HPLC: Perkin Elmer: Applications:** Monitoring the chemical reaction, analysis of mixture of compounds, pharmaceutical analysis, metabolites identification etc.
2. **Gas chromatograph: Perkin Elmer: Applications:** Study the course of the reaction, analysis of mixture of compounds, pharmaceutical analysis, solvent purity analysis etc.

Gymkhana

Adequate arrangements for games and sports are made on the college grounds. The college gives encouragement to sportsmen. In order to get information regarding enrolment for various games and the respective practice sessions for the different games like Kho-Kho, Football, Basketball, Volleyball, Swimming, Badminton, Table-Tennis, Lawn-Tennis, Netball, Athletics, Hockey, Judo and Archery. Interested students should contact the Director of Physical Education immediately after college opens. **Students are not allowed to play cricket on the college playground.**

Shakti Gymnasium: A well-equipped gymnasium is available for exercise for students. Staff and students of our college are given membership at concessional rates. Trained instructors are available in the gym. For details and membership, students should contact the In-Charge of the Gymnasium, during working hours.

Hostels and Hostel admission

Accommodation is available for boys and girls in the M. E. Society's College hostels situated on the college campus. Admission is purely based on merit. Total number of seats for boys is 139 and for girls are 118.

Detailed information about hostel admission and rules is available in the Hostel Hand-book available in the hostel office.

Library

A Library respects all forms by which knowledge is communicated and uses technology intelligently to augment service. It protects free access to knowledge. It honors the past and creates the future. It acts as a source of inspiration to young generation by passing the thoughts of the thinker, philosopher of the world.

The Abasaheb Garware College Library functions as a student oriented information center focusing on the data and information as per the need of students and the faculty.

The library contains 23518 text books, 240 periodicals, 340 educational CDs/DVDs and more than 77000 reference books such as encyclopedias, dictionaries, yearbooks, almanacs, bibliographies, reports, gazetteers and Year Books. The library subscribes to periodicals and newspapers.

The library also subscribes to N-LIST (National Library and Information Services Infrastructure for Scholarly Content) by INFLIBNET.

The student can avail the inter library loan facility as our library has a tie-up with MES Garware College of Commerce, MES-IMCC, British Library, SPPU Jaykar Library and Gokhale Institute of Politics and Economics Library.

Services and Facilities

1. Book issuing Service
2. OPAC (Online Public Access Catalogue)
3. Content pages of important book available in advance search facility
4. Access to internet / Open access resources are available in the library
5. Current Awareness Service
6. Reprography facility
7. Selective Dissemination of Information
8. Information Literacy program is conducted for students every year
9. "Granthotsav", a book exhibition is organized in the month of August every year
10. Book talk
11. Plagiarism checking facility

Students should keep in mind

1. The student should observe complete silence in the library.
2. Books are your friends. Handle and use them with utmost care. Do not tear off pages from the books.
3. Undergraduate students can borrow one book and Postgraduate students can borrow two books for the period of one week. Details regarding issuing/ borrowing is displayed in the library notice board.
4. Students should not carry the books issued to them in the study hall, outside the study hall.

Students are provided access to Internet in the Library. This facility is also available in the departments.

Reference books are issued to students on demand and deposition of their I-cards at the Library Issue Counter. Each student is issued a Reader's Ticket. Text-books are issued to the students for home reading for one week. Students should take care to return the books in time. If a student fails to do so on or before the due date, late fee of Rs. 1/- per day is charged.

Study Tours and Excursions

The college organizes only study tours mentioned in the syllabus. No other tours are organized. Prior permission from Study tours and Excursions Committee is mandatory. The permission shall be granted by the committee after verifying that all the norms and conditions prescribed by the college authorities and Government of Maharashtra are properly fulfilled. Participation in study tours and excursions will be with prior permission of parents / local guardians and at own risk.

In Pandemic situation, the permission to study tours will be given on per guidelines of Gom.

Vehicle Parking

Parking facility for cycles and two-wheelers is provided for the students on payment of charges as per the SPPU of Pune Circular No. SPPU /निववी /1920 dt. 9/12/2014. However, due to limited availability of parking space, students will be allowed to park their vehicles on a first-cum-first serve basis.

Parking for students' four-wheelers shall not be permitted on the college campus.

Student Support Activities

Student Development Board

1. Earn and Learn Scheme
2. Poor boys fund
3. Disaster Management Workshop
4. Street Play Competition (District level)
5. Lekhak Tumchya Bhetila
6. Savitribai Phule State Level Elocution Competition (State level)
7. Special Guidance Program
8. Skill Development Program

Placement Cell

The Placement Cell Committee of Abasaheb Garware College disseminates employment information and arranges campus interviews by a number of companies in information technology, electronics, chemical, pharmaceutical and biotechnology industries.

Value Addition

Arts Circle (Agam Kala Mandal)

The Abasaheb Garware College Arts Circle (*Agam Kala Mandal*) has been established in order to showcase students their talents in various performing and fine arts. The activities undertaken are Talent Search Dance and Drama Competition Participation in Intercollegiate and Interstate Drama Competitions such as Firodia Karandak, Purushottam, Sakal Karandak etc.

To enable all-round development of the students, the college and the departments have various student activity Associations like Science Forum, Arts forum, Computer Science Association, Physics Association, Patanjali Mandals, Association of Chemistry Students, Biotechnology Association, Microbiology Association, Mathematics Association, ELMASO etc. These Associations organize essay, lecture and project competitions and lectures by eminent persons. The notices for such activities are displayed on the notice boards as and when required.



National Cadet Corps (NCC)



Abasaheb Garware College is one of the few colleges that have both the Army and Naval Wings of NCC. The Army Wing has 75 Cadets, is attached to 2nd MAH Battalion NCC.

The Naval Wing has 40 Cadets, is attached to 3rd MAH Naval Unit of NCC.

Besides this, students can also join the Air Wing NCC, Armored NCC, and Signal Unit at NCC Group Head Quarter, near Symbiosis College Pune.

Students, who wish to join these NCC units, should apply for admission through the Principal and inform the Principal accordingly.

National Service Scheme (NSS)

Our college has a very active National Service Scheme unit, wherein 250 students (both boys and girls) are enrolled. Students enrolling for NSS spend about 120 hours in active social work and attend a camp every year. Eligibility of students enrolling for N.S.S. requires Good Academic Performance, Integrity, Honesty, and Sincerity. Students enrolling for N.S.S. are exempted from P.T. however first year students, P.T. Examination is mandatory.



Youth Red Cross



Abasaheb Garware College has a Youth Red Cross Unit which works in association with Pune District Red Cross Unit, Rasta Peth. Eligibility of students enrolling for Youth Red Cross requires Good Academic Performance, Integrity, Honesty, and Sincerity.

Medical Examination under University Health Service Scheme

The University authorities have implemented the scheme of medical check-up for the students. Under this scheme, medical checkup is compulsory for all the students of First Year of the B.A./ B.Sc. , B.C.A., B.Voc. and M.A./ M.Sc. classes and also all students residing in the College Hostels. The details about medical checkup are notified to the students from time to time. Students who do not undergo medical examination under the Health Service Scheme will not be permitted to appear for the Annual University Examinations.

Emergency medical help is made available near the campus at Sahyadri Hospital and Sanjivanee Hospital which are within 500 m from the college, First-aid kits are provided in most of the departments of the college.

Junior College

Junior wing of Abasaheb Garware College is well known due to glorious legacy. There are about 60 versatile, knowledgeable and devoted staff members working in different departments of Arts and Science. They are highly educated and responsive citizens. Many of the staff members are on academic and administrative body of the various organizations.

Teachers are efficiently involved in carrying out various curricular and extra-curricular activities, all round the year, for the benefit of the students.

As we know that “Health is Wealth” and “Sound Mind in a Sound Body”, emphasis is also given on fitness of the students by involving them in inter-collegiate, State level, National and International level activities.

Admission

A student seeking admission to F.Y.J.C. class must have passed S.S.C. examination of Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE) or its equivalent with necessary subjects.

Rules for admission to F.Y.J.C. and S.Y.J.C. are as laid down by the State Government of Maharashtra from time to time.

Eligibility

Students, seeking admission to F.Y.J.C. / S.Y.J.C. class who have passed equivalent examination from Boards other than Maharashtra State Board must apply for the eligibility to the M.S.B.S. & H.S.E. Submission of final eligibility certificate is the responsibility of the student. Admission is likely to be cancelled if he/she fails to produce the same in time. Students should check the last date for submission of eligibility form and abide by it.

Documents required at the time of admission

1. Original school leaving certificate of the last school attended
2. Original mark sheet (s) and its attested photo copy
3. Original caste certificate by competent authority and its attested photo copy
4. Final or provisional eligibility certificate if passed from board other than Maharashtra state

Admission is finalized only when all the necessary documents are submitted and necessary fees are paid.

Attendance

As per the rules of H.S.C. Board, Pune, students have to attend regular classes and at least 75% lectures and practical to appear for F.Y.J.C and S.Y.J.C examinations.

Re-terminal / Re-annual Examination

The Students are not able to appear for certain subject examination or complete examination on medical / s-ports grounds, must apply for the re-examination immediately, must provide a medical certificate of a registered medical practitioner.

Sports / Health and Physical Education

Physical education is compulsory for the students of junior college. The students have to attend physical education for two periods per week. The uniform for boys is navy blue full-pant and white half-sleeved T-shirt with white canvas shoes. The uniform for girls is white salwar - kameez with white canvas shoes. Students claiming exemption in P.T. on medical grounds should produce a certificate issued by a registered medical practitioner. The Principal has the right to award a suitable punishment to the students who fail to attend required number of P.T. parades without prior permission. P. T. examination is compulsory to all the students including those who have been exempted from attending P.T. / have joined NCC.

Students can participate in various sports competitions like football, basket-ball, table-tennis, kabaddi, volleyball, kho-kho, badminton, judo, lawn tennis, wrestling, chess, malakhamb, gymnastics, swimming, water-polo and field events like cross-country, hand ball and cricket etc. organized by the District Sports Officer. Students showing excellence in these events may get sports scholarship. According to rule No. 99 of Maharashtra State Board of Secondary and Higher Secondary Education, a student can get benefit of 25 grace marks in H.S.C. Examination if he / she has participated at State / National level.

Inter class competitions in various sports are also organized by the college. One regular feature of the college is Late Nandu Marathe Body Building Competition organized on 29th August every year.

Government of Maharashtra Scholarships and Freeships

Sr. No.	Type of scholarship	Necessary Eligibility	Documents Required
1.	B.C. Scholarship Fresh	Reserved Category Annual income of parents less than SC Rs.1,00,000/- ST Rs.1,08,000/- NT/OBC/SBCRs.65290/-	Caste Certificate Mark-List School Leaving Certificate Father's Income Certificate
2	B.C.Scholarship Renewal	As above	Caste Certificate Mark-List
3.	B C. Freeship	Annual income more than SC Rs.1,00,000/- ST Rs.1,08,000/- NT/OBC/SBCRs.65290/-	Caste Certificate Mark-List School Leaving Certificate
4.	P.T.C./S.T.C	Mother or Father should be Primary or Secondary Teacher in aided school of Maharashtra Govt. only	Service Certificate of school Education officer's signature
5.	Ex-Servicemen / Servicemen	Ward of Ex- service men / Servicemen from welfare office	Application form along with Certificate
6.	Freedom Fighter	Certificate from Government of Maharashtra	Mark-List Certificate from Government of Maharashtra
7.	E.B.C	Annual income less than Rs. 15000/-	Income certificate from special Tahasildar, Magistrate if father is in business or a farmer
8.	Other Scholarship Renewal	If Scholarship granted for previous year	Attested Xerox copy of Mark-List
9.	Girl's concession	Only for F.Y.J.C. and S.Y.J.C. Junior college girls	Duly signed undertaking by Father/guardian

Note

1. All the documents submitted with the application must be attested.
2. Application forms are available in Accounts Section of the college.
3. At least 75% attendance is necessary for awarding the scholarship or freeship.
4. To renew the freeship, fresh application must be submitted by the student 30 days after the date of admission in the college. Otherwise students will have to pay full amount of the fees.
5. For renewal of freeship or scholarship, attested photo copy of latest mark-sheet should be attached with the application form.

Science Faculty: Subjects taught and Intake Capacity

Subjects		Subjects offered with Vocational Subjects	Intake capacity
Compulsory	English Physics Chemistry EVS	English Physics Chemistry EVS	640
Optional	1. Hindi / German / Sanskrit / Marathi (select any one) 2. Biology / Geography (Marathi or English Medium with Limited seats) / Mathematics (select any two)	Electrical Maintenance	18
		Mechanical Maintenance	18
		Scooter and motorcycle repairs	14
		Electronics (Aided)	25
		Electronics (Non Grant Basis)	75
		Computer Science (Non Grant Basis)	50

For vocational subjects except Electronics (Non Grant Basis) and Computer Science (Non Grant Basis) the classes and practical are held in Govt. Tech. High School, Ghole Road, Pune - 411 005.

Arts Faculty: Subjects taught and Intake Capacity

Compulsory Subject	English	Intake capacity
Optional (only Marathi medium)	Hindi / Marathi (Select any one) Economics / Geography / Politics (Select any two) Sociology / Library Science (Select any one) Psychology / History (Select any one)	240

Each student has to opt for any **5 subjects** out of the total combinations offered by college. English is compulsory for all students.

Change in subject or faculty

Once admitted, students are not allowed to change their faculty. Subjects which are selected for F.Y.J.C. will be continued in S.Y.J.C.

Timings of Classes

Class	Theory	Practical
F.Y.J.C. (Science)	10.20 a.m. to 3.50 p.m.	7.30 a.m. to 10.00 a.m.
S.Y.J.C. (Science)	10.20 a.m. to 3.00 p.m.	3.05 p.m. to 6.05 p.m.
F.Y.J.C. and S.Y.J.C. (Arts)	7.30 a.m. to 2.05 p.m.	-----

Rules of Passing F.Y.J.C. (Science)

Every student will be assessed in each subject chosen by him/her in the following way:

Section	Details	Maximum Marks (For Physics, Chemistry, Mathematics, Biology, Languages)	Bifocal (vocational) subjects
A	Unit Test I & II	50 (25 each)	--
B	Terminal examination	50	100
C	Annual examination	100	100
	Total Marks	200	200

Rules of Passing F.Y.J.C. (Arts)

Every student will be assessed in each subject chosen by him/her in the following way:

Section	Details	Maximum Marks
A	Unit Test I & II	50 (25 each)
B	Terminal examination	50
C	Annual examination	100
	Total Marks	200

To pass a student of both faculties Arts and Science has to obtain an average of **35 marks** in each subject.

A student must appear for all examinations - unit tests, terminal and annual - conducted during the academic year.

Endowment Awards

Sr. No.	Name of Award	Eligibility Norms
1	Late Sou. Kamalabai Yashwant Bhat Memorial Award	First in XII th std.
2	Late Shivdin Atmaram Kelkar Memorial Award	Girl Student First in XII th Science
3	Sou. Shubhada Patwardhan Prize	First in History in XI th Class XII th Class
4	Late Vasudev Hari Sukhatme Memorial Award	Student of XI th Science and scoring highest marks in Mathematics; from any of MES school and has taken admission to AGC

Maharashtra Education Society

The Maharashtra Education Society, established in 1860 is registered under the Societies Registration Act XXI of 1860 on November 19, 1887, and the Bombay Public Trusts Act of 1950, on December 15, 1952.

In 1860 Maharashtra Education Society (MES) formerly called as Poona Native Institutions was founded by Vaman Prabhakar Bhawe, Vasudev Balwant Phadke, and Laxman Narhar Indapurkar. The great revolutionary freedom fighter Vasudev Balwant Phadke was the first Secretary and treasurer of Maharashtra Education Society.

It was formed with the aim of planting nationalistic thoughts and creating a generation of strong character and ideals. The last Hundred and Fifty two years stands testimony to the fact that the aims of the society have been achieved. MES has given several gems in various fields, not just to Maharashtra but also to the nation. What started as a simple, single seed is now an enormous tree. MES is the leading entity that provides complete education from K.G. to Ph.D.

While nurturing quality education, the society makes persistent efforts to inculcate social and moral values amongst the students to develop them into responsible and patriotic citizens of India. With over 150 years of glorious past of its existence, the MES is an icon of the service to the noble cause of education that resembles a 'Dnyan Vruksha'. Today MES comprises of 77 institutions with 40,000+ students, teachers and administrative staff. MES has schools and institutes in Pune, Saswad, Baramati, Panvel, Belapur, Kalamoli, Shirwal, Kasar Amboli, Chiplun, Solapur and Ahmednagar.

Abasaheb Garware College is the only Science and Arts College of the Maharashtra Education Society. It was established in 1945, and then named as M.E.S. College of Arts and Science. Since then the college is actively involved in imparting higher education in various fields of arts and science.



Statutory Committee

M.E. Society's Management

Air Marshal Bhushan Gokhale (Retd.)	President
Prof. Yashwant Waghmare	Vice President
Shri. Pradip Naik	Vice President

The Governing Body

Arch. Rajeev Sahasrabudhe	Chairman
Dr. Madhav Bhat	Vice Chairman
CA. Abhay P. Kshirsagar	Vice Chairman
Dr. Bharat S. Vhankat	Secretary
Er. Sudhir Gade	Asst. Secretary
Shri. Anand Kulkarni	Member
Dr. Madhavi Mehendaley	Member
Shri. Devdatta Bhishikar	Member
Smt. Anandi Patil	Member
Adv. Dhananjay Khurjekar	Member
Shri. Vijay Bhalerao	Member
Shri. Babasaheb Shinde	Member
Shri. Pralhad N. Rathi	Member
Adv. Sagar Nevase	Member
Shri. Rajeev Deshpande	Member
Shri. Sunil Sutawane	Member
Dr. Anand Lele	Member
Dr. Santosh Deshpande	Member
Dr. Ketaki Modak	Member
Shri. Sachin Ambardekar	Ex-Officio, CEO

MES - Board of Life Members

Dr. Anand. Y. Lele	Chairman
Dr. Bharat Vhankate	Secretary
Er. Sudhir Gade	Asst. Secretary
Dr. Santosh Deshpande	Member
Dr. Ketaki Modak	Member
Dr. Ankur Patwardhan	Member
Smt. Chitra Nagarkar	Member
Shri. Sudhir Bhosale	Member
Dr. Manasi Bhate	Member
Prof. (Dr.) P.B. Buchade	Member
Dr. Atul Kulkarni	Member
Shri. Govind Kulkarni	Member
Shri. Vinay Chati	Member
Shri Sachin Ambardekar	Chief Executive Officer(Invitee)

College Development Committee

Arch. Rajeev Sahasrabudhe	Chairman, Governing Body MES
Dr. Bharat Vhankate	Member (Secretary, MES)
Dr. Ketaki Modak	Nominated Member (From Education)
Shri. Vijay Bhalerao	Nominated Member (From Industry and Alumni)
Dr. Santosh Deshpande	Nominated Member (From Research)
Dr. Madhavi Mehendaley	Nominated Member (From Social Field)
Shri. G.R. Dhanawale	Elected Teaching Member
Dr. Karuna Pardeshi	Elected Teaching Member
Dr. P. N. Shede	Elected Teaching Member
Shri. D. V. Yadav	Elected Non-teaching Member
Dr. Chetana Desai	HOD, Principal Nominated Member
Dr. P. D. Sonawane	IQAC Co-ordinator
Prof. (Dr.) P. B. Buchade	Principal, Ex-Officio Secretary

College Advisory Committee

Arch. Rajeev Sahasrabudhe	Chairman (Chairman, GB, MES)
Dr. Madhavi Mehendaley	Member
Adv. Dhananjay Khurjekar	Member
Dr. Santosh Deshpande	Member
Dr. Ketaki Modak	Member
Dr. Sunita Bhagwat	Invitee (Vice Principal)
Dr. P.D. Sonawane	Invitee (Vice Principal)
Dr. Aparna Agashe	Invitee (Vice Principal)
Dr. Manisha Bharambe	Invitee (Vice Principal)
Dr. Ankur Patwardhan	Invitee (Life Member, MES)
Ms. Chitra Nagarkar	Invitee (Life Member, MES)
Shri. Sudhir Bhosale	Invitee (Life Member, MES)
Dr. Atul Kulkarni	Invitee (Life Member, MES)
Shri. Vinay Chati	Invitee (Life Member, MES)
Shri. Govind Kulkarni	Invitee (Life Member, MES)
Shri. Kisan Sable	Registrar
Shri. Sachin Ambardekar	Member (CEO, MES)
Er. Sudhir Gade	Member (Assistant Secretary, MES)
Dr. Bharat Vhankate	Member (Secretary, MES)
Prof. (Dr.) P.B. Buchade	Ex-Officio Secretary, Principal

VARIOUS COMMITTEE IN-CHARGES

Internal Quality Assurance Cell (IQAC)

Dr. P.D. Sonawane – Co-ordinator

RTI Committee

Appellate Officer – Prof. (Dr.) P.B. Buchade (Principal)

Information Officer – Dr. P.D. Sonawane (Vice – Principal)

Information Officer – Shri. K.J. Sable (Registrar)

SPPU Admission Co-ordinator

Prof. (Dr.) Sunita Bhagwat

Examination Committee

Prof. (Dr.) Sharayu Sathe (CEO)

Shri. G.R. Dhanawale (In-charge, Science)

Dr. A.P. Kulkarni (In-charge, Arts)

Redressal Committee

Prof. (Dr.) A.D. Padhye (In-charge)

Prevention of Sexual Harassment of Women (Nirbhaya)

Dr. Chetana Desai (In-charge)

Anti-Ragging Committee

Shri. D.K. Kamble (In-charge)

NCC Officers

Shri. D.K. Kamble (Naval Wing)

Shri. S.S. Nawale (Army Wing)

NSS Programme Officer

Dr. A.N. Shelar

Student Development Officer

Dr. N.D. Ade

Academic and Research Co-ordinator

Dr. Preeti Kulkarni

Placement Cell

Dr. P.A. Tamhankar (In-charge)

AGAM Kala Mandal

Dr. S.M. Motegoankar (In-charge)

Pandemic Management Committee

Dr. R.A. Walhe (In-charge)

Alumni Association

Prof. (Dr.) Nivedita Ghayal (In-charge)

To register click the link : <https://forms.gle/ZAuRiFEqKR9kSh1XA>



पुणे विद्यापीठ गीत

ज्ञान बनो कर्मशील, कर्म ज्ञानवान

पुण्यमयी दे आम्हा अक्षर वरदान
ज्ञान बनो कर्मशील, कर्म ज्ञानवान

जातिभेद, धर्मभेद, वंशभेद दूर
छात्र छात्र कंठांनुनि हाच एक सूर
करुणेच्या चरणांशी नत हो निश्चिंत

माणुसकी धमर्चा अर्थ ज्ञाणतो
श्रमनिष्ठा हें पवित्र तीर्थ मानतो
हृदयांनुनि समतेचा निश्चय अभिमान

सेवेतच मुक्ती ही मंगल दीक्षा
न्यायास्तव जाग्रति ही सत्त्वपरीक्षा
हें विश्वचि धर अमुचे मंत्र हा महान

मंगेश पांडुरंग

Head of the Departments

Arts Faculty

01	Economics	Dr. S.M. Motegoankar
02	Education	Dr. A.P. Kulkarni
03	English	Prof. (Dr.) Gautami Pawar
04	Geography	Dr. A.N. Shelar
05	Hindi	Dr. M.D. Bankar
06	History	Dr. Aparna Agashe (Additional Charge)
07	Library and Information Science	Dr. Vandana Shelar
08	Logic and Philosophy	Dr. P.P. Mane
09	Marathi	Dr. Varsha Todmal
10	Mass Communication and Journalism	Shri. Vinay Chati
11	Political Science	Dr. Aparna Agashe
12	Psychology	Dr. R.A. More
13	Sociology	Dr. Chetana Desai

Science Faculty

01	Biodiversity	Dr. A.A. Patwardhan
02	Biotechnology	Dr. Madhura Damle
03	Botany	Prof. (Dr.) Sharayu Sathe
04	Chemistry	Prof.(Dr.) Shobha Waghmode
05	Computer Science	Mrs. Chitra Nagarkar
06	Electronic Science	Shri. G.R. Dhanawale
07	Mathematics	Dr. A.S. Khairnar
08	Microbiology	Dr. R.A. Walhe
09	Physics	Prof. (Dr.) Sunita Bhagwat
10	Statistics	Shri. S.S. Kurade
11	Zoology	Prof. (Dr.) A.D. Padhye

Physical Education	Prof. (Dr.) Asha Bengale
B.Voc. Courses (In - charge)	Shri. Vinay Chati



Maharashtra Education Society's
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