



G. M. VEDAK COLLEGE OF SCIENCE

TALA, RAIGAD - 402 111, M. S.

Affiliated to University of Mumbai

NAAC Accredited B⁺ (2017)

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PROSPECTUS – 2022-2023



Hon'ble Dr. Nandkumar G. Vedak
Chairman
Shri. Gopinath Mahadev Vedak Pratishthan's



Hon'ble Unmesh N. Vedak
Secretary
Shri. Gopinath Mahadev Vedak Pratishthan's

Milestones of Gopinath Mahadeo Vedak Pratishthan's

1. G. M. Vedak College of Science, Tala, Raigad-----2009-10

- Ph.D. Research Center in Chemistry (Proposed) - 2022
- M.Sc. Information Technology - 2021 (20 seats)
- M.Sc. Organic Chemistry - 2021 (20 seats additional)
- M.Sc. Organic Chemistry - 2018 (20 seats)
- NAAC accreditation with grade B⁺ (Cycle-I) - 2017
- B.Sc. Information Technology - 2010 (60 seats)
- B.Sc. Computer Science - 2010 (60 seats)
- B.Sc. (Physics, Chemistry & Zoology) - 2009 (120 seats)

2. G. M. Vedak Institute of Technology, Tala-----2011-12





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VISION

Spreading the light of knowledge and enlightenment.

MISSION

To provide superior science education and training that prepare individuals to realize their full potential and will best serve the nation.

OBJECTIVES

- **For offering science education to hilly, rural and tribal areas of Raigad district.**
- **For imparting science aptitude and creating an environment of hard work, excitement and enjoyment, which emphasizes ethical behavior and mutual respect.**
- **For an astute and sagacious undergrad to cater the increasing demand of skill manpower.**
- **For excellence and commitment in our outreach activities thereby contributing to the vitality of the region.**
- **To make college with potential excellence.**



From the Trustee's Desk

Chairman, Hon'ble. Shri. Nandkumar G. Vedak

We started G. M. Vedak College of Science under the umbrella of Shri Gopinath Mahadeo Vedak Pratishthan with its motto “*विद्याधन सर्वधन प्रधानम्*” in the year 2009 to offer the high-level learning experience of science education to the society including the deprived ones of our rural, tribal and hilly Tala Tehsil. With the same motto, we started Engineering College, G. M. Vedak Institute of Technology in the year 2010.

The college evolved itself into a preferred place to learn in the course of last 12 years. The faith bestowed upon us by the students and parents altogether have inspired us to go ahead with starting new courses like M.Sc. (Information Technology) and one more division of M.Sc. Organic Chemistry in the past year. Now, the college runs the undergraduate courses (BSc, BSc IT and BSc Computer Science) and PG course in Organic Chemistry and Information Technology as per the norms of University of Mumbai. I assure you that we are abide to meet the demands of the students and parents in the future also. It is our dream to produce scientists and to develop and enhance scientific culture in our college, hence the demand of Research Centre in Chemistry has aroused concurrently by the students and teachers alike, which will be fulfilled in this academic year. We want to build such skills in our students so that they can contribute not only in the building up of nation but also in the global development. I am happy that the college has adopted well in implementing the new teaching and learning dynamics occurred due to pandemic outbreak. I assure you that we will focus on growing all-round development of students through various skills, infrastructure, invest in quality faculty members and thus make it a strong educational institute to learn with. We are abide to meet the demands of the students and thus, envision a bright future of the students.



From the Secretary's Desk-

Hon'ble. Shri. Unmesh N. Vedak

Dear Students

We started the college in the year 2009 with a clear goal to make the students fulfil their dream of quality science education within their reach. I am happy to state with you that we have made momentous progress towards it. Started with UG courses way back in 2009 to providing PG courses by the year 2019 was a great accreditation by all stakeholders, be it a student, parents, University administration or the NAAC peer team.

During the challenging times of the pandemic, the college proactively taken step in preparing blended learning techniques, and empowered students to enhance their skills through implementation of skill based courses, and webinars. We intend to provide the students with multitude of real-world skill courses combined with state-of-the-art facilities so as to enrich them to take on the professional challenges. We are continuously accessing the progress on both fronts, students and the staff members as well. We encourage our staff members to undergo faculty development programme, conference, seminars etc. on regular basis, so that they ably impart best training to the students. I assure you that the college will provide a perfect blend of tradition and modern approach to education. I urge students to make the most of the innumerable opportunities for self-development and betterment of the society that are offered by this college. Make optimum use of the facilities available and engage yourselves in the academic, co-curricular and extra-curricular activities with full of energy. You will surely succeed in your endeavours.....!



From the Principal's Desk...

“What we say is easily forgotten, but what we do remain as a monument to what we were”.

I am proud to state that Shri Gopinath Mahadeo Vedak Pratishthan's G. M. Vedak College of Science, Tala has fulfilled the aspirations and dreams of its Patrons, emerging triumphant with a “B+” grade to its Credit by NAAC.

Our institution has been founded by such a personality who earned a reputation as a great humanitarian, well known builder, philanthropist and a leading light to all those who groped in the

dark wilderness of ignorance including educationally backward, tribal and economically unsound people, Dr. Shri. Nandkumarji Vedak, originally from Tala, Raigad and now based in Mumbai. An outstanding example of the greatest benefactors of hilly areas who opened the avenues of education to those who could not go to long distances for taking education.

The contribution of Management, staff and students is highly commendable. I congratulate one and all for the zeal, devotion and untiring efforts which all have pooled into steer our flagship to the shores of success and for upholding dignity & prestige of the college.

Our Brand of GMVCS, inculcates the human values besides education and all-round development of the student community. There is no better place than our college to spend your formative years. The college is situated in serene location of historical Tala Tehsil and have excellent infrastructure, state-of-the-art laboratories, computer laboratory, rich library, outdoor sport facilities, hostel accommodation, and staff quarters. Our campus is Wi-Fi enabled for the last six years. When I look back 3 years before, I now see lot of progress in the all-round areas from the already existing rich-ownership in which we take pride.

The college offers science education since its inception over a decade ago. Located in the vicinity of the Roha Chemical Industrial Area, the college has strived the vertical growth by starting M.Sc. in Organic Chemistry in A.Y. 2018-19. Synonymous with quality education in the Raigad district, it carries trust of parents, students and university authorities with its name over the years. The university have given permission to start new course viz. M.Sc. Information Technology and one more division of MSc Organic Chemistry from the A.Y. 2021-22. I am proud to state here that a full-fledge research centre in chemistry will come into force from the next year to bring forth quality research scientist as envisioned by our management.

The college not only provides excellence in academics, but also create platform to tap the hidden potentials of the students through various co-curricular and extra-curricular activities. The college has vibrant Cultural, NSS, DLLE, Sports, Youth festival, Alumni meet, Parent meet, Avishkar Research Convention and academic activities like workshops, conferences, trainings etc. This year, the NSS have stepped up to the challenge of Mahad flood fury and has made massive donation to the flood affected village Mahadeo-Adivasivadi. The college has conducted mega drive on Covid-19 vaccination to the students of the college under the programme “Mission Yuva Swasthya”. The students of our college enjoys great success every year in Youth Festival as well as Udan Festival organized by University of Mumbai. Thus, we have legacy to pursue all these activities in conjunction with regular course of studies. It is our dream to make our academic activities grow in all directions. The college intends to further introduce various skill development and career-oriented short-term/certificate courses to enrich and add values to the degree programmes.

The college not only encourages students, but also recognizes the concurrent development of other stakeholders such as staff members, which is evident from the number of achievements. The college has organized number of webinars on current trends in education and research in order to inculcate research culture among students and staff. We promote our staff members to regularly attend refresher courses and short-term courses to enhance their skills. The faculty members of our college has



one major and couple of minor research projects to their credit. The college regularly promotes career advancement scheme promotions to their staff members. The two faculty members have been recognized as a research guide of University of Mumbai to guide research students in chemistry. Successively, two research students have been registered for their PhD. I am happy to state that three faculty members of our college have registered themselves to PhD. This will surely alter the number of staff members with PhD degree in future from our existing rich number of 10 PhDs out of 14 permanent teachers.

As you are aware about the persisting pandemic situation followed by unavailability of state bus transport services, the college is back on track as far as the teaching activities are concerned. I'm sure, the next academic year will bring the past glory back after the pandemic setback.

I feel excited to welcome new students under our wings and see them flourish in the affable and intellectual environs of the college.

Principal

Dr. V. M. Sarode

M.Sc. (Stats), C. P. S., Ph.D.(Stats), Dlitt.(Hon.)



Courses available in the College

1. Traditional programme:

1.1 Bachelor of Science (3 years) (B.Sc.)

2. Professional and self-finance courses:

2.1 Bachelor of Science in Computer Science (3 years) (B.Sc. Com. Sci.)

2.2 Bachelor of Science in Information Technology (3 years) (B.Sc. I.T.)

2.3 Post-graduate in Information Technology (2 years) (M.Sc. I.T.)

2.4 Post-graduate in Organic Chemistry (2 years) (M.Sc. Organic Chemistry)

Admission Fee Structure					
	B.Sc. (Grant-in Course)	B.Sc. (Com. Sci.) (Self-Finance Course)	B.Sc. (I.T.) (Self-Finance Course)	M.Sc.(I.T.) (Self-Finance Course)	M.Sc.(Organic Chemistry) (Self-Finance Course)
	Rs.	Rs.	Rs.	Rs.	Rs.
First Year	5,190	26,540	22,486	35,595	40,195
Second Year	4,170	27,970	22,166	35,770	40,370
Third Year	4,170	29,970	23,166		
Fees are likely to be revised from time to time as per government norms.					

(VCD No. Exam. /Fees/ 15/2018 dated 31st January, 2018)

M.C.11.01.2018/4 AC. 11.12.2017/7.1

***Revised Examination Fees (for UG & PG course to be paid by students/ examinees**

(*see Chapter 2, Clause 3.15 (Sr. No.5 & 6) of VCD No. Exam. VCD/DBOEE/ICD/2017- 18/325 dated 24th July 2017)

No. of Subject/ Papers	Old fee for UG	Reduction in (%) for UG	New fee for UG	Old Fee For PG	Reduction in (%) for PG	New fee for PG
One	Rs. 1000/-	80%	Rs.200/-	Rs/1500/-	73%	Rs.400/-
Two	Rs. 1000/-	60%	Rs.400/-	Rs/1500/-	53%	Rs.700/-
Three or more & Fresh Students	Rs. 1000/-	10%	Rs.900/-	Rs/1500/-	10%	Rs.1350/-

The above revised examination fees will be implemented from the First Half (summer) Examination of 2018

From First Half (summer) 2019, examination on wards fees will be increased by 5% every year.

Scholarships

Scholarship Website: <https://mahadbtmahait.gov.in>

Scholarship Departments:

1. Social Justice and Special Assistance Department Scholarship Schemes

- Government of India Post-Matric Scholarship
- Post-Matric Tuition Fee and Examination Fee (Freeship)
- Maintenance Allowance for student Studying in professional courses
- Rajarshri Chhatrapati Shahu Maharaj Merit Scholarship
- Post-Matric Scholarship for persons with disability

2. Tribal Development Department Scholarship Schemes

- Post Matric Scholarship Scheme (Government Of India)
- Tuition Fee & Exam Fee for Tribal Students (Freeship)
- Vocational Education Fee Reimbursement
- Vocational Education Maintenance Allowance

3. Directorate of Higher Education Scholarship Schemes

- Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Scheme
- Assistance to Meritorious Students scholarship – Junior Level
- Education Concession to the Children of Ex-Servicemen
- Eklavya Scholarship
- State Government Open Merit Scholarship
- Scholarship to Meritorious students possessing Mathematics /Physics
- Government Vidyaniketan Scholarship
- State Government Daxshina Adhichatra Scholarship
- Government Research Adhichatra
- Education Concession to the Children Freedom Fighter
- Jawaharlal Nehru University Scholarship
- Assistance to Meritorious Students scholarship – Senior Level
- Dr. Punjabrao Deshmukh Vasatigruh Nirvah Bhatta Yojna (DHE)

Guidelines and Rules of Admission

- Right of admission is reserved by the Principal.
- A student seeking admission to the college should present himself /herself along with parent/guardian with an application in the prescribed form duly filled in and signed by his/her parents/guardian.
- No admission will be granted unless it is duly granted by the Principal.
- All admissions are valid only for one academic year and are required to be renewed with application in the prescribed form for the new academic year.
- Once the student is admitted for degree course means he /she must complete the course in the college. However, if under any unavoidable circumstances, student may seek NOC provided he /she must pay the fees of entire degree course. The student and parent should have to produce proper documents such as transfer order etc. for seeking NOC by this college.
- Mode of refund of fees after cancellation of admission will be as per circular no. UG/412 of 2008 of University of Mumbai.

Eligibility Criteria for Admission

2.1 B.Sc.

Class	Eligibility Criteria	Intake Capacity																
F.Y.B.S c. (General) (Sem-I)	<p>A candidate for being eligible for admission to the three year integrated course leading to the degree of Bachelor of Science (B.Sc.) must have passed the Higher Secondary School Certificate Examination (Std. XII) conducted by the Maharashtra State Board of Secondary and Higher Secondary Education, in the following subjects:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">(A)</th> <th style="text-align: center;">Subject No.</th> <th style="text-align: center;">Subject Title</th> <th style="text-align: center;">Marks</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Science Stream (General)</td> <td style="text-align: center;">01</td> <td>English (Higher or Lower level)</td> <td style="text-align: center;">100</td> </tr> <tr> <td></td> <td style="text-align: center;">02</td> <td>Any one of the Modern Indian Languages OR Modern Foreign Languages OR any Classical, Language (Higher Level OR Lower Level) OR Information Technology.</td> <td style="text-align: center;">100</td> </tr> <tr> <td></td> <td style="text-align: center;">03 to 06</td> <td>Four other subjects from among the subjects mentioned below carrying a total of 400 marks OR Three other subject from among the subject mentioned below carrying a total of 300 marks and One more subject from among the remaining optional subjects carrying 100 marks as prescribed for the HSC (Std.XII) examination.</td> <td></td> </tr> </tbody> </table> <p>List of the subjects (03 to 06): i. Physics, ii. Chemistry, iii. Biology, iv. Mathematics & Statistics, v. Geography, vi. Economics, vii. Geology, viii. Psychology</p>	(A)	Subject No.	Subject Title	Marks	Science Stream (General)	01	English (Higher or Lower level)	100		02	Any one of the Modern Indian Languages OR Modern Foreign Languages OR any Classical, Language (Higher Level OR Lower Level) OR Information Technology.	100		03 to 06	Four other subjects from among the subjects mentioned below carrying a total of 400 marks OR Three other subject from among the subject mentioned below carrying a total of 300 marks and One more subject from among the remaining optional subjects carrying 100 marks as prescribed for the HSC (Std.XII) examination.		120
(A)	Subject No.	Subject Title	Marks															
Science Stream (General)	01	English (Higher or Lower level)	100															
	02	Any one of the Modern Indian Languages OR Modern Foreign Languages OR any Classical, Language (Higher Level OR Lower Level) OR Information Technology.	100															
	03 to 06	Four other subjects from among the subjects mentioned below carrying a total of 400 marks OR Three other subject from among the subject mentioned below carrying a total of 300 marks and One more subject from among the remaining optional subjects carrying 100 marks as prescribed for the HSC (Std.XII) examination.																

OR

(B)	Subject No.	Subject Title	
Vocational Stream	Must have pass the Higher Secondary School certificate (HSC)(Std.XII) examination with vocational subjects conducted by the Maharashtra State Board of Secondary and Higher Secondary Education, Pune, in the following subjects :-		
	01	English (Higher or Lower level)	100 marks
	02 to 03	<u>Any One</u> vocational subject carrying 200 marks (from among 19 subjects) prescribed for the HSC (Std.XII) examination under the Technical Group, Commercial Group, Agriculture Group Catering & Food Technology Group and Fisheries Group)	
	04 to 06	Any three of the following subjects carrying a total of 300 marks :- i. Physics ii. Chemistry iii. Biology iv. Mathematics and Statistics	

OR

I	Subject No.	Subject Title	
MCVC Stream	Must have passed the Higher Secondary School Certificate (HSC) (Std. XII) Examination Certificate (HSC)(Std.XII) examination conducted by the Maharashtra State Board of Secondary and Higher Secondary Education Pune, in the following subjects :		
Vocational Subjects	01	English (Higher or Lower level)	100 marks
	02	Any one of the Modern Indian Languages OR Modern Foreign Languages OR any Classical, Language (Higher Level OR Lower Level) OR Information Technology.	100 marks
	03	General Foundation Course	100 marks
	04 to 06	Any three of the minimum competency vocational subjects carrying total of 300 marks [from among the following groups prescribed for the HSC (Std. XII) examination namely Engineering & Technology Group Agriculture Group, Fisheries Group, Para Medical Group and Catering & Food Technology Group]	

Further that the students, passing the HSC (Std.XII) examination with the MCVC stream shall be eligible for admission to F.Y.B.Sc. for certain subject combinations only depending on their subjects (04 to 06) of the MCVC stream as specified in the following table.:-

Sr. No.	MCVC Group	Any three of the following subjects to be offered at F.Y.B.Sc.
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	<p>01 Engineering Technology Group Physics, Chemistry, Mathematics, Statistics Geology, Geography, Computer Science, Information Technology</p> <p>02 Agriculture Group Chemistry, Botany, Zoology, Life Sciences, Biochemistry, Bio-Technology Microbiology, Geography, Geology</p> <p>03 Fisheries Group Chemistry, Botany, Zoology, Life Sciences, Biochemistry, Bio-Technology, Microbiology, Geography, Geology</p> <p>04 Paramedical Group Chemistry, Botany, Zoology, Life Sciences, Biochemistry, Bio-Technology, Microbiology, Geography, Geology</p> <p>05 Catering & food Technology Chemistry, Botany, Zoology, Life Sciences, Biochemistry, Bio-Technology, Microbiology, Geography, Geology, Economics (Students of this MCVC Group shall also be eligible for admission to the F.Y.B.Sc. of B.Sc. (Home Science) Degree course.)</p> <p style="text-align: center;">OR</p> <p>(D) Must have passed an examination of another University or Body or Board recognized as equivalent to the HSC (Std. XII) Examination conducted by the Maharashtra Secondary and Higher Secondary Education, Pune</p> <p style="text-align: center;">OR</p> <p>I Must have passed the First Year Science Examination of the B.Sc. degree Course of this University or an Examination of any other University recognized as equivalent thereto</p> <p style="text-align: center;">OR</p> <p>(F) Must have passed at least the Second Year Examination of the Post S.S.C. (Std. X) Three Year Engineering Diploma course or the 4th Semester of 6th Semester Engineering Diploma Course conducted by/approved by/recognized by/affiliated to the Maharashtra Board of Technical Education or another Body/Board recognized as equivalent thereto.</p> <p>Further, that such students of Engineering Diploma courses shall be eligible to offer any three of the following subjects for admission to the F.Y.B.Sc.:- Physics, Chemistry, Mathematics, Statistics, Computer Science, Information Technology, Geology, Geography, Economics.</p>	
<p>S.Y.B.Sc. (Sem-III)</p>	<p>HSC + Diploma, SSC + 3 years Engg. Diploma Passed in all papers in Sem. I and Sem. II examination OR Fails in not more than three papers each in Sem. I and Sem. II OR those students who are promoted to the next year on 50-50 gradation formula given by Mumbai University because of Covid-19 situation (Examination Circular dated 22th May 2020 of Mumbai University)</p>	<p>120</p>

<p>T.Y.B.Sc (Sem. V)</p>	<p>Passes Sem.I, Sem. II, Sem. III and Sem. IV OR a student passes each paper of Sem. I and Sem. II and fails in not more than three papers in each of Sem. III and Sem. IV OR a student passes in each paper of Sem. III and Sem IV and fails in not more than three papers in each of Sem. I and Sem. II. Also those students who are promoted to the next year on 50-50 gradation formula given by Mumbai University because of Covid-19 situation (Examination Circular dated 22th May 2020 of Mumbai University)</p>	<p>120</p>
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2.2 B.Sc. (Computer Science)

<p>F.Y.B.Sc. (Com. Sci.) (Sem. I)</p>	<p>A candidate for being eligible for admission to the three years integrated course leading to the degree of Bachelor of Science (B.Sc.) must have passed Higher Secondary School Certificate Examination (Std. XII) in Science stream conducted by the Maharashtra State Board of Secondary and Higher Secondary Education with Mathematics and Statistics as one of the subject or its equivalent. Admission will be on merit, based on order of preference as follows: 1. Aggregate Marks at H.S.C. or equivalent. 2. Aggregate Marks in Science Group (Physics, Chemistry and Mathematics) 3. Marks in Mathematics and Statistics and Physics. Marks in Mathematics and Statistics. HSC or equivalent examination passed with maths as one of the subject.</p>	<p>60</p>
<p>S.Y.B.Sc. (Com. Sci.) (Sem. III)</p>	<p>Passed in all papers in Sem. I & Sem II examination OR Fails in not more than two papers each in Sem. I and Sem. II. Also those students who are promoted to the next year on 50-50 gradation formula given by Mumbai University because of Covid-19 situation (Examination Circular dated 22th May 2020 of Mumbai University)</p>	<p>60</p>
<p>T.Y.B.Sc. (Com. Sci.) (Sem. V)</p>	<p>Passes Sem.I, Sem. II, Sem. III and Sem. IV OR a student passes each paper of Sem. I and Sem. II and fails in not more than two papers in each of Sem. III and Sem. IV OR a student passes each paper of Sem. III and Sem IV and fails in not more than two papers in each of Sem. I and Sem. II Also those students who are promoted to the next year on 50-50 gradation formula given by Mumbai University because of Covid-19 situation.</p>	<p>60</p>

2.3 B.Sc. (Information Technology)

Class	Eligibility Criteria	Intake Capacity
<p>F.Y.B.Sc. (I.T.) (Sem. I)</p>	<p>(a) A candidate for being eligible for admission to the degree course of Bachelor of Science – Information Technology, shall have passed XII standard examination of the Maharashtra Board of Higher Secondary Education or It’s equivalent with Mathematics and Statistics as one of the subject and should have secured not less than 45% marks in aggregate for open category and 40% marks in aggregate in case of Reserved category candidates. (b) Candidate who have passed Diploma (Three years after S.S.C. – Xth Std.) in Information Technology / Computer Technology / Computer Engineering / Computer Science / Electrical, Electronics and Video Engineering and Allied Branches / Mechanical and Allied Branches /</p>	<p>60</p>



	<p>Civil and Allied branches are eligible for direct admission to the Second Year of the B.Sc. (I.T.) degree course.</p> <p>However, the Diploma should be recognized by the Board of Technical Education or any other recognized Government Body. Minimum marks required 45% aggregate for open category candidates and 40% aggregate for reserved category candidate.</p> <p style="text-align: center;">OR</p> <p>Candidates with post HSC-Diploma in Information Technology/Computer Technology/ Computer Engineering/Computer Science/ and Allied branches will be eligible for direct admission to the Second Year of B.Sc. (I.T.).</p> <p>However, the Diploma should be recognized by the Board of Technical Education or any other recognized Government Body Minimum Marks required 45% aggregate for open category candidates and 40% aggregate for reserved category candidates.</p>	
S.Y.B.Sc. (I.T.) (Sem.III)	<p>Passed in all papers in Sem. I & Sem II examination OR Fails in not more than two papers each in Sem. I and Sem. II. Also those students who are promoted to the next year on 50-50 gradation formula given by Mumbai University because of Covid-19 situation (Examination Circular dated 22nd May 2020 of Mumbai University)</p>	60
T.Y.B.Sc. (I.T.) (Sem. V)	<p>Passes Sem.I, Sem. II, Sem. III and Sem. IV OR a student passes each paper of Sem. I and Sem II and fails in not more than two papers in each of Sem. III and Sem. IV OR a student passes each paper of Sem. III and Sem IV and fails in not more than two papers in each of Sem. I and Sem. II Also those students who are promoted to the next year on 50-50 gradation formula given by Mumbai University because of Covid-19 situation (Examination Circular dated 22th May 2020 of Mumbai University)</p>	60

2.4 M.Sc. (Information Technology)

Class	Eligibility Criteria	Intake Capacity
M.Sc(I.T) Part-I	<p>All the admissions will be on merit (i.e. percentage of aggregate marks secured for the qualifying examination) Reservation criteria shall be followed as prescribed by the Government at the time of admission.</p> <p>The candidate must have passed B.Sc. Degree in Information Technology of University of Mumbai or any recognized University with minimum 45 percent of marks.</p> <p style="text-align: center;">OR</p> <p>B.Sc. In Computer Science/BCS with minimum 45% marks</p> <p style="text-align: center;">OR</p> <p>B.E. degree in any branch with minimum 45% marks</p> <p style="text-align: center;">OR</p> <p>B.Sc,(Mathematics) with minimum 45% marks</p> <p style="text-align: center;">OR</p>	20



	B.Sc,(Physics) with minimum 45% marks OR B.Sc,(Statistics) with minimum 45% marks OR B.Sc,(Electronics) with minimum 45% marks With Mathematics as one of the subjects at 10+2 or its equivalent examination.	
M.Sc(I.T) -Part-II	Those who had appeared in Sem I and Sem II of M.Sc. (I.T.)	20

2.5 M.Sc. (Organic Chemistry)

Class	Eligibility Criteria	Intake Capacity
M.Sc.- Part-I (Organic Chemistry)	All the admissions will be on merit (i.e. percentage of aggregate marks secured for the qualifying examination) Reservation criteria shall be followed as prescribed by the Government at the time of admission. The candidate must have passed B.Sc. degree in Chemistry of University of Mumbai with 6 units or 3 units or any other University recognized as equivalent thereto.	40
M.Sc.- Part-II (Organic Chemistry)	Those who had appeared in Sem I and Sem II of M.Sc. Organic Chemistry	20

Course Content

1.1.1 F.Y.B.Sc.

1. Sr. No. 1 F.C. I (Foundation Course – I) – **Compulsory**
2. Sr. No. 2 to 9 – Any one group from the following
(**Physics – Chemistry – Mathematics**) OR (**Physics – Chemistry – Zoology**)

First Semester (7 Papers)		
Sr. No.	Course Code	Subject
1	USFC101	Foundation Course – I
2	USCH101	Chemistry Paper – I
3	USCH102	Chemistry Paper – II
4	USPH101	Physics Paper – I
5	USPH102	Physics Paper – II
6	USZO101	Zoology Paper – I
7	USZO102	Zoology Paper – II
8	USMT101	Mathematics Paper – I
9	USMT102	Mathematics Paper – II

Second Semester (7 Papers)		
Sr. No.	Course Code	Subject
1	USFC201	Foundation Course – I
2	USCH201	Chemistry Paper – I
3	USCH202	Chemistry Paper – II
4	USPH201	Physics Paper – I
5	USPH202	Physics Paper – II
6	USZO201	Zoology Paper – I
7	USZO202	Zoology Paper – II
8	USMT201	Mathematics Paper – I
9	USMT202	Mathematics Paper – II

1.1.2 S.Y.B.Sc.

1. Sr. No. 1 F.C. II (Foundation Course – II)- **Compulsory**
2. Sr. No. 2 to 13 – Any one group from the following (Three papers of each subject)
(**Chemistry – Physics**) OR (**Chemistry – Zoology**) OR (**Physics – Mathematics**)

Third Semester (9 Papers)		
Sr. No.	Course Code	Subject
1	USFC301	Foundation Course – II
2	USCH301	Chemistry Paper – I
3	USCH302	Chemistry Paper – II
4	USCH303	Chemistry Paper – III
5	USPH301	Physics Paper – I
6	USPH302	Physics Paper – II
7	USPH303	Physics Paper – III
8	USZO301	Zoology Paper – I
9	USZO302	Zoology Paper – II
10	USZO303	Zoology Paper – III
11	USMT301	Mathematics Paper – I
12	USMT302	Mathematics Paper – II
13	USMT303	Mathematics Paper – III

Fourth Semester (9 Papers)		
Sr. No.	Course Code	Subject
1	USFC401	Foundation Course – II
2	USCH401	Chemistry Paper – I
3	USCH402	Chemistry Paper – II
4	USCH403	Chemistry Paper – III
5	USPH401	Physics Paper – I
6	USPH402	Physics Paper – II
7	USPH403	Physics Paper – III
8	USZO401	Zoology Paper – I
9	USZO402	Zoology Paper – II
10	USZO403	Zoology Paper – III
11	USMT401	Mathematics Paper – I
12	USMT402	Mathematics Paper – II
13	USMT403	Mathematics Paper – III

1.1.3.1 T.Y.B.Sc. (Chemistry)

Fifth Semester	
Course Code	Course Title
Applied Component	
USACHF501	Heavy & Fine Chemical
Major Subject	
USCH501	Paper I – Physical Chemistry
USCH502	Paper II – Inorganic Chemistry
USCH503	Paper III – Organic Chemistry
USCH504	Paper IV – Analytical Chemistry

Sixth Semester	
Course Code	Course Title
Applied Component	
USACHF601	Heavy & Fine Chemical
Major Subject	
USCH601	Paper I – Physical Chemistry
USCH602	Paper II – Inorganic Chemistry
USCH603	Paper III – Organic Chemistry
USCH604	Paper IV – Analytical Chemistry

1.1.3.2 T.Y.B.Sc. (Physics)

Fifth Semester	
Course Code	Course Title
Applied Component	
USACCS501	Advanced Microprocessor, Programming, Microcontrollers & Python
Major Subject	
USPH501	Paper I – Mathematical in Physics
USPH502	Paper II – Solid State Physics
USPH503	Paper III – Atomic Physics
USPH504	Paper IV – Electrodynamics

Sixth Semester	
Course Code	Course Title
Applied Component	
USACC601	Microcontrollers & Python Programming
Major Subject	
USPH601	Paper I – Classical Mechanics
USPH602	Paper II – Electronics
USPH603	Paper III – Nuclear Physics
USPH604	Paper IV – Special Theory of Relativity

1.1.3.3 T.Y.B.Sc. (Zoology)

Fifth Semester	
Course Code	Course Title
Applied Component	
USACMS501	Oceanography & Capture Fisheries
Major Subject	
USZO501	Taxonomy – Invertebrates and Type Study
USZO502	Hematology and Immunology
USZO503	Histology, Toxicology, Pathology and Biostatistics
USZO504	Anatomy and Developmental Biology

Sixth Semester	
Course Code	Course Title
Applied Component	
USACMS601	Production and Management
Major Subject	
USZO601	Taxonomy Chordates and Type Study
USZO602	Physiology and Tissue Culture
USZO603	Genetic & Bioinformatics
USZO604	Environmental Biology



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

First Semester	
Course Code	Course Title
USCS101	Digital Systems & Architecture
USCS102	Introduction to Programming with Python
USCS103	LINUX Operating System
USCS104	Open Source Technologies
USCS105	Discrete Mathematics
USCS106	Descriptive Statistics
USCS107	Soft Skills
USCSP101 to USCSP106	Practical's of USCS101 + USCS102 + USCS103 + USCS104 + USCS105 + USCS106

Second Semester	
Course Code	Course Title
USCS201	Design & Analysis of Algorithms
USCS202	Advanced Python Programming
USCS203	Introduction to OOPs using C++
USCS204	Database Systems
USCS205	Calculus
USCS206	Statistical Methods
USCS207	E-Commerce & Digital Marketing
USCSP201 to USCSP202	Practical's of USCS201 + USCS202 + USCS203 + USCS204 + USCS205 + USCS206

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

Third Semester	
Course Code	Course Title
USFC301	Theory of Computation
USCS301	Core JAVA
USCS302	Operating System
USCS303	Database Management Systems
USCS304	Combinatorics and Graph Theory
USCS305	Physical Computing and IoT Programming
USCS306	Skill Enhancement: Web Programming
USCS307	USCS302+USCS303+ USCS304
USCSP301	USCS305+USCS306+ USCS307

Fourth Semester	
Course Code	Course Title
USFC401	Fundamentals of Algorithms
USCS401	Advanced JAVA
USCS402	Computer Networks
USCS403	Software Engineering
USCS404	Linear Algebra using Python
USCS405	.NET Technologies
USCS406	Skill Enhancement: Android Developer Fundamentals
USCS407	USCS401+ USCS402+ USCS403
USCSP401	USCS405+ USCS406+ USCS407

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

Fifth Semester	
Course Code	Course Title
USCS502	Linux Server Administration
USCS503	Software Testing and Quality Assurance
USCS504	Information and Network Security
USCS505	Architecting of IoT
USCS507	Game Programming
USCSP501	Practical of Elective-I
USCSP502	Practical of Elective-II
USCSP503	Project Implementation
USCSP504	Practical of Skill Enhancement: USCS507

Sixth Semester	
Course Code	Course Title
USCS601	Wireless Sensor Networks and Mobile Communication
USCS603	Cyber Forensics
USCS604	Information Retrieval
USCS606	Data Science
USCS607	Ethical Hacking
USCSP601	Practical of Elective-I
USCSP602	Practical of Elective-II
USCSP603	Project Implementation
USCSP604	Practical of Skill Enhancement: USCS607

2.2.1 F.Y.B.Sc. (Information Technology)

First Semester	
Course Code	Course Title
USIT101	Imperative Programming
USIT102	Digital Electronics
USIT103	Operating Systems
USIT104	Discrete Mathematics
USIT105	Communication Skills
USIT1P1	Imperative Programming Practical
USIT1P2	Digital Electronics Practical
USIT1P3	Operating Systems Practical
USIT1P4	Discrete Mathematics Practical
USIT1P5	Communication Skills Practical

Second Semester	
Course Code	Course Title
USIT201	Object Oriented Programming
USIT202	Microprocessor Architecture
USIT203	Web Programming
USIT204	Numerical and Statistical Methods
USIT205	Green Computing
USIT2P1	Object Oriented Programming Practical
USIT2P2	Microprocessor Architecture Practical
USIT2P3	Web Programming Practical
USIT2P4	Numerical and Statistical Methods Practical
USIT2P5	Green Computing Practical

2.2.2 S.Y.B.Sc. (Information Technology)

Third Semester	
Course Code	Course Title
USIT301	Python Programming
USIT302	Data Structures
USIT303	Computer Networks
USIT304	Database Management Systems
USIT305	Applied Mathematics
USIT3P1	Python Programming Practical
USIT3P 2	Data Structures Practical
USIT3P 3	Computer Networks Practical
USIT3P 4	Database Management Systems Practical
USIT3P 5	Mobile Programming Practical

Fourth Semester	
Course Code	Course Title
USIT401	Core Java
USIT402	Introduction to Embedded Systems
USIT403	Computer Oriented Statistical Techniques
USIT404	Software Engineering
USIT405	Computer Graphics and Animation
USIT4P1	Core Java Practical
USIT4P2	Introduction to Embedded Systems Practical
USIT4P3	Computer Oriented Statistical Techniques Practical
USIT4P4	Software Engineering Practical
USIT4P5	Computer Graphics and Animation Practical

2.2.3 T.Y.B.Sc. (Information Technology)

Fifth Semester	
Course Code	Course Title
USIT501	Software Project Management
USIT502	Internet of Things
USIT505	Linux System Administration
USIT506	Enterprise Java
USIT5P1	Project Dissertation
USIT5P2	Internet of Things Practical
USIT5P3	Advanced Web Programming Practical
USIT5P5	Linux Administration Practical
USIT5P6	Enterprise Java Practical

Sixth Semester	
Course Code	Course Title
USIT601	Software Quality Assurance
USIT602	Security in Computing
USIT603	Business Intelligence
USIT604	Principles of Geographic Information Systems
USIT606	IT Service Management
USIT6P1	Project Implementation
USIT6P2	Security in Computing Practical
USIT6P3	Business Intelligence Practical
USIT6P4	Principles of Geographic Information Systems Practical

2.3.1 M.Sc. Part-I (Information Technology)

First Semester	
Course Code	Course Title
PSIT101	Research in Computing
PSIT102	Data Science
PSIT103	Cloud Computing
PSIT104	Soft Computing Techniques
PSIT1P1	Research in Computing Practical
PSIT1P2	Data Science Practical
PSIT1P3	Cloud Computing Practical
PSIT1P4	Soft Computing Techniques Practical

Second Semester	
Course Code	Course Title
PSIT201	Big Data Analytics
PSIT202	Modern Networking
PSIT203	Microservices Architecture
PSIT204	Image Processing
PSIT2P1	Big Data Analytics Practical
PSIT2P2	Modern Networking Practical
PSIT2P3	Microservices Architecture Practical
PSIT2P4	Image Processing Practical

2.3.2 M.Sc. Part-II (Information Technology)

Artificial Intelligence Track
Image Processing Track
Cloud Computing Track
Security Track

Semester-III					
Course Code	Theory		Course Title		Credits
	Theory	Credits	Course Code	Practical	
PSIT301	Technical Writing and Entrepreneurship Development	4	PSIT3P1	Project Documentation and Viva	2
Elective 1: Select Any one from the courses listed below along with corresponding practical course					
PSIT302a	Applied Artificial Intelligence	4	PSIT3P2a	Applied Artificial Intelligence Practical	2
PSIT302b	Computer Vision		PSIT3P2b	Computer Vision Practical	
PSIT302c	Cloud Application Development		PSIT3P2c	Cloud Application Development Practical	
PSIT302d	Security Breaches and Countermeasures		PSIT3P2d	Security Breaches and Countermeasures Practical	
Elective 2: Select Any one from the courses listed below along with corresponding practical course					
PSIT303a	Machine Learning	4	PSIT3P3a	Machine Learning Practical	2
PSIT303b	Biomedical Image Processing		PSIT3P3b	Biomedical Image Processing Practical	
PSIT303c	Cloud Management		PSIT3P3c	Cloud Management Practical	
PSIT303d	Malware Analysis		PSIT3P3d	Malware Analysis Practical	



Elective 3: Select Any one from the courses listed below along with corresponding practical course					
PSIT304a	Robotic Process Automation	4	PSIT3P4a	Robotic Process Automation Practical	2
PSIT304b	Virtual Reality and Augmented Reality		PSIT3P4b	Virtual Reality and Augmented Reality Practical	
PSIT304c	Data Center Technology		PSIT3P4c	Data Center Technology Practical	
PSIT304d	Offensive Security		PSIT3P4d	Offensive Security Practical	
Total Theory Credits		16	Total Practical Credits		8
Total Credits for Semester-III : 24					

Semester-IV					
Course Title					
Course Code	Theory	Credits	Course Code	Practical	Credits
PSIT401	Blockchain	4	PSIT4P1		2
Elective 1: Select Any one from the courses listed below along with corresponding practical course					
PSIT402a	Natural Language Processing	4	PSIT4P2a	Natural Language Processing Practical	2
PSIT402b	Digital Image Forensics		PSIT4P2b	Digital Image Forensics Practical	
PSIT402c	Advanced IoT		PSIT4P2c	Advanced IoT Practical	
PSIT402d	Cyber Forensics		PSIT4P2d	Cyber Forensics Practical	
Elective 2: Select Any one from the courses listed below along with corresponding practical course					
PSIT403a	Deep Learning	4	PSIT4P3a	Deep Learning Practical	2
PSIT403b	Remote Sensing		PSIT4P3b	Remote Sensing Practical	
PSIT403c	Server Virtualization on VMWare Platform		PSIT4P3c	Server Virtualization on VMWare Platform Practical	
PSIT403d	Security Operations Center		PSIT4P3d	Security Operations Center Practical	
Elective 3: Select Any one from the courses listed below along with corresponding practical course					
PSIT404a	Human Computer Interaction	4	PSIT4P4	Project Implementation and Viva	2
PSIT404b	Advanced Applications of Image Processing				
PSIT404c	Storage as a Service				
PSIT404d	Information Security Auditing				
Total Theory Credits		16	Total Practical Credits		8
Total Credits for Semester-IV : 24					

If a student selects all 6 papers of Artificial Intelligence Track, he should be awarded the degree **M.Sc. (Information Technology), Artificial Intelligence Specialization.**

If a student selects all 6 papers of Image Processing Track, he should be awarded the degree **M.Sc. (Information Technology), Image Processing Specialization.**

If a student selects all 6 papers of Cloud Computing Track, he should be awarded the degree **M.Sc. (Information Technology), Cloud Computing Specialization**

If a student selects all 6 papers of Artificial Security Track, he should be awarded the degree **M.Sc. (Information Technology), Security Specialization**

All other students will be awarded M.Sc. (Information Technology) degree.

2.4.1 M.Sc. Part – I (Organic Chemistry)

First Semester	
Course Code	Course Title
PSCH101	Physical Chemistry
PSCH102	Inorganic Chemistry
PSCH103	Organic Chemistry
PSCH104	Analytical Chemistry

Second Semester	
Course Code	Course Title
PSCH201	Physical Chemistry
PSCH202	Inorganic Chemistry
PSCH203	Organic Chemistry
PSCH204	Analytical Chemistry

2.4.2 M.Sc. Part – II (Organic Chemistry)

1.Sr. No. 1 to 3 – Compulsory

Third Semester	
Course Code	Course Title
PSCHO301	Theoretical organic Chemistry-I
PSCHO302	Synthetic Organic Chemistry-I
PSCHO303	Natural products and Spectroscopy
PSCHOEC-I 304	Medicinal, Biogenesis and green chemistry
PSCHOEC-II 304	Bioorganic Chemistry

2. Sr. No. 4 to 5 – Anyone of it

Fourth Semester	
Course Code	Course Title
PSCHO401	Theoretical organic Chemistry-II
PSCHO402	Synthetic Organic Chemistry-II
PSCHO403	Natural products and heterocyclic chemistry
PSCHOOC-I 404	Intellectual Property Rights & Cheminformatics
PSCHOOC-II 404	Research Methodology



Documents Required for Admission

F.Y.B.Sc. / F.Y.B.Sc. (I.T.) / F.Y.B.Sc. (Com. Sci.)

- Duly filled prescribed Application Form.
- Duly filled Enrollment and Registration form of University.
- S.S.C. Mark list (Original + 2 attested Xerox copies).
- H.S.C. Mark list (Original + 2 attested Xerox copies).
- School Leaving Certificate (Original + 2 attested Xerox copies).
- Two passport size photographs with name + class.
- H.S.C. Board's letter (if H.S.C. mark list is duplicate)
- Aadhar card -2 copies

S.Y.B.Sc/S.Y.B.Sc (I.T.)/S.Y.B.Sc (Computer Sci.) & T.Y.B.Sc/T.Y.B.Sc (I.T.)/ T.Y.B.Sc (Com. Sci.)

- Duly filled prescribed application form.
- Mark list of last Two years examination with 2 Photo copies of each
- Aadhar card (3 Photo copies.)
- Two passport size photographs with name and class on back side
- If required Migration Certificate of Other Universities Original + 2 Photo copies

M.Sc. Part – I

- Duly filled prescribed application form.
- Mark list of last Three years examination with 2 Photo copies of each
- Aadhar card (3 Photo copies.)
- Two passport size photographs with name and class on back side
- Leaving / Transfer Certificate of last College.
- If required Migration Certificate of Other Universities Original + 2 Photo copies

M.Sc. Part – II

- Duly filled prescribed application form.
- Mark list of M.Sc. Part-I, 2 Photo copies of each
- Mark list of last Three years examination with 2 Photo copies of each
- Aadhar card (3 Photo copies.)
- Two passport size photographs with name and class on back side
- If required Migration Certificate of Other Universities Original + 2 Photo copies

For students of SC / ST/ NT/ VJ / OBC / SBC

- Offline Scholarship Form
- Caste Certificate (Original + 3 attested photo copies)
- Income Certificate by Tehsil Office (Original + 3 attested photo copies)
- Non-Creamy Layer (Original + 3 attested photo copies) (Only for OBC / NT / JV / SBC)
- Bank of India Saving Account Pass Book + 2 photo copies
- Document required for admissions with name and class on back side.

NOTE: Students coming from other than Mumbai University has to produce original Migration certificate plus one xerox copy.



Rules, Discipline & Code of Conduct

1. Students must carry valid Identity Card.
2. Students should not loiter in the corridor during lecture time.
3. Students should not accompany visitor or outsider in college premises.
4. Students should not organize any function, picnic, trip, excursion, party and celebrations etc. without prior permission of the Principal.
5. Students should act and behave so as not to breach the image of the College, Society and University.
6. Mobile phones, smoking and drinking etc. are strictly prohibited in college.
7. Ragging is a cognizable offence.
8. Students must participate in college regular classes, functions, guest lectures, extracurricular activities and cultural gathering.
9. Make a habit to read the notices on notice board.
10. Violation of any rule-regulation in college will be fined and disciplinary action will be taken as per the intensity of the offense.
11. Students must abide by the rules and regulations of Management, College, University and Government.
12. Attendance of students is regulated by 0.119, 0.120 and 0.125 The explanation issued by the University wide circular No. UG/235/98 dated 03/07/1998 relating to 0.119 that for granting of term. Attendance of 75% will be required.

Rules for Refund

The percentage of Fee for the Course shall be refunded to the candidate after deducting charges as follows:

Sr. No.	Period	Deduction Charges
1.	Prior to commencement of Academic term and instruction of the Course.	Rs. 500/- lumpsum
2.	Upto 20 days after the commencement of Academic Term of the Course.	20% of the total amount of fees
3.	From 21 st day upto 50 days after commencement of the Academic Term of the Course.	30% of the total amount of fees
4.	From 51 st day upto 80 days after commencement of the Academic Term of the Course or 31 st August whichever is earlier.	50% of the total amount of fees
5.	From 1 st September to 30 th September	60% of the total amount of fees
6.	After 30 th September.	100% of the total amount of fees

University Exam Result

2019-20 Sem VI

Sr. No.	Class	Result
1	T.Y.B.Sc. (Chemistry)	100%
2	T.Y.B.Sc. (Zoology)	100%
3	T.Y.B.Sc.(Physics)	100%
4	T.Y.B.Sc.(I.T.)	100%
5	T.Y.B.Sc. (Com. Sci.)	100%

2020-21 Sem VI

Sr. No.	Class	Result
1	T.Y.B.Sc. (Chemistry)	98.75%
2	T.Y.B.Sc. (Zoology)	100%
3	T.Y.B.Sc.(Physics)	100%
4	T.Y.B.Sc.(I.T.)	100%
5	T.Y.B.Sc. (Com. Sci.)	100%

**Work Schedule of the College**

College Timing: 10.00 am – 05.00 pm

Office Timing: 10.00 am to 01.00 pm, 01.00 pm to 01.45 pm (Lunch Break), 01.45 pm to 05.00 pm

University of Mumbai Academic Year 2021-22 arrangement Terms:

The arrangement of terms for including all Degree and Master Degree Courses under the Science Stream will be displayed as and when notified by the University of Mumbai.

Teaching Faculty**Undergraduate Teachers**

Sr. No.	Name of the Teacher	Designation	Qualification
DEPARTMENT OF MATHEMATICS			
1	Dr. Vijay M. Sarode	Principal	M.Sc., Ph.D., CPS, D.Litt.
2	Dr. Nasreen M. Shaikh	Assistant Professor	M.Sc., NET, Ph.D.
DEPARTMENT OF CHEMISTRY			
3	Dr. Narayan A. Degwekar	HOD, Chemistry	M.Sc., Ph.D.
4	Mr. Jaydeep V. Deore	Assistant Professor	M.Sc., NET
5	Dr. Sachin V. Bangale	Assistant Professor	M.Sc., Ph.D.
6	Mr. Harshad R. Sonawane	Assistant Professor	M.Sc., NET
7	Mr. Amol K. Nikam	Assistant Professor	M.Sc., NET
8	Ms. Swapnali S. Mirgule	Assistant Professor	M.Sc.
9	Ms. Mamta R. Kunde	Assistant Professor	M.Sc.
10	Mr. Kaustubh P. Risbud	Assistant Professor	M.Sc.
DEPARTMENT OF ZOOLOGY			
11	Dr. Shaheena S. Mirza	HOD, Zoology	M.Sc., B.Ed., Ph.D.
12	Dr. Budharatna G. Bhaware	Assistant Professor	M.Sc., B.Ed., Ph.D.
13	Dr. Sujeet V. Jamdar	Assistant Professor	M.Sc., Ph.D.
DEPARTMENT OF PHYSICS			
14	Dr. Vijay S. Raykar	HOD, Physics	M.Sc., Ph.D.
15	Dr. Vivek A. Rane	Assistant Professor	M.Sc., Ph.D.
16	Dr. Parshuram B. Abhange	Assistant Professor	M.Sc., Ph.D.
17	Mr. Kiran D. Gawade	Assistant Professor	M.Sc. SET
DEPARTMENT OF INFORMATION TECHNOLOGY & COMPUTER SCIENCE			
17	Mr. Dayanand M. Mhamane	HOD, IT & CS	M.Sc. (Com. Sci.)
18	Mrs. Mansavi M. Wadhawal	Assistant Professor	M.Sc. (Com. Sci.)
19	Miss. Niharika A. Adulkar	Assistant Professor	M.Sc. (Com. Sci.)
20	Mrs. Vinita V. Kanade	Assistant Professor	M.Sc. (Com. Sci.)
21	Miss. Pallavi Bhat	Assistant Professor	M.Sc. IT
22	Miss. Sonali P. Pawar	Assistant Professor	M.Sc. IT
23	Mr. Kailas J. Wadikar	Assistant Professor	M.Sc. (Maths)
24	Mr. M. R. Pathan	Assistant Professor	M.Sc. (Maths)

Post-graduate Teachers

Sr. No.	Name of the Teacher	Designation	Qualification	Venue
DEPARTMENT OF CHEMISTRY				
1.	Dr. Narayan A. Degwekar	HOD, Chemistry	M.Sc., Ph.D.	GMVCS
2.	Dr. Sachin V. Bangale	Coordinator M.Sc. Organic Chemistry Assistant Professor	M.Sc., Ph.D.	GMVCS
3.	Mr. Jaydeep V. Deore	Assistant Professor	M.Sc., NET	GMVCS
4.	Mr. Harshad R. Sonawane	Assistant Professor	M.Sc., NET	GMVCS
5.	Mr. Amol K. Nikam	Assistant Professor	M.Sc., NET	GMVCS
6.	Ms. Swapnali S. Mirgule	Assistant Professor	M.Sc.	GMVCS
7.	Ms. Mamta R. Kunde	Assistant Professor	M.Sc.	GMVCS
8.	Mr. Kaustubh P. Risbud	Assistant Professor	M.Sc.	GMVCS
DEPARTMENT OF ZOOLOGY				
9.	Dr. Shaheena S. Mirza	HOD, Zoology	M.Sc., B.Ed., Ph.D.	DBJ, Chiplun
10.	Dr. Budharatna G. Bhaware	Assistant Professor	M.Sc. B.Ed., Ph.D.	DBJ, Chiplun
DEPARTMENT OF INFORMATION TECHNOLOGY				
11.	Mr. Dayanand M. Mhamane	HOD, IT & CS	M.Sc. (Com. Sci.)	GMVCS
12.	Mr. Raghvendra Singh	Coordinator M.Sc. (I.T.) Assistant Professor	M.Tech	GMVCS
13.	Mrs. Avni A. Amburle	Assistant Professor	M.Sc. IT	GMVCS

Research Guides

Sr. No.	Name of the Research Guide	University	No. of students registered for Ph.D.	Status
1.	Prin. Dr. Vijay M. Sarode	J.J.T.U. Rajasthan	01	Awarded Ph.D. in November 2021
2.	Dr. Narayan A. Degwekar	University of Mumbai		
3.	Dr. Sachin V. Bangale	University of Mumbai	02	

Non-Teaching Faculty

Sr. No.	Name of the Staff	Designation	Qualification
ADMINISTRATIVE OFFICE STAFF			
1	Mr. Pranav P. Mekade	Head Clerk	B. Com
2	Mr. Nilesh M. Pandharkame	Sr. Clerk	B. Com
3	Mrs. Sujata R. Pawar	Jr. Clerk	M. Com
4	Mr. Hemant G. Vedak	Peon	SSC
5	Mr. Pradeep P. Sapkal	Peon	B. Sc.
6	Mr. Mahendra R. Birwadkar	Peon	HSC
7	Mr. Vaibhav S. Chorge	Peon	B. Sc.
LIBRARY			
9	Mr. Shatrugan K. Dhawan	Librarian	M. Lib. SET
LABORATORY STAFF			
10	Mr. Amol S. Rajpurkar	Laboratory Assistant	B. Sc.
11	Mrs. Anuska A. Rajpurkar	Laboratory Attendant	B. Sc.
12	Mr. Harshad D. Vedak	Laboratory Attendant	B. Sc.
13	Mr. Suresh M. Chavan	Laboratory Attendant	B. A.
14	Mr. Vishal P Kharade	Laboratory Attendant	M. A.
15	Miss Jyoti B. Dhadave	Laboratory Attendant	B. Sc.



Rules of Examination

University of Mumbai has started Choice Based Credit, Grading and Semester (CBCGS) System with effect from academic year 2018-19 and implemented in phase manner/in progression starting from the first year (i.e. semester I and II) programmes of Arts, Commerce and Science faculties.

UNDER GRADUATE PROGRAMMES:

1) B.Sc. (Information technology & Computer Science)

Scheme of examination

a. Internal Assessment: 25 marks

Sr. No.	Particulars	Marks
1	One class test	20
2	Active participation in routine class instructional and overall conduct as a responsible learner, manners, skill in articulation, leadership qualities demonstrated through organizing co-curricular activities etc.	5

b. Semester end examination: 75 marks (2.5 hrs.)

- There shall be four questions
- From each unit there will be one question and fourth question will be on entire syllabus.
- Question number 1, 2 and 3 will be of 20 marks each (40 marks with internal options) while question 4 will be of 15 marks (with 30 marks internal option)
- All questions may be sub divided into sub questions as a, b, c, d & e, etc. & the allocation of marks depends on the weightage of the topic.

2) B.Sc. (Physics, Chemistry and Zoology)

Semester End Examination: 100 marks

- Duration: these examinations shall be of 3 hours duration
- Theory question paper pattern
 - There shall be five questions each of 20 marks.
 - All questions shall be subdivided into sub-questions a, b, c,.....and the allocation of marks depends on the weightage of the topic.

Passing standard:

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course.

POST GRADUATE PROGRAMMES:

The performance of the learner shall be evaluated into two parts. The learner's performance shall be assessed by internal assessment with 40% marks in the first part and by conducting the semester end examination with 60% marks in the second part. The allocation of marks for the internal assessment and semester end examination are as below:

a. Internal Assessment: 40 marks

Sr. No.	Particulars	Marks
1	One seminar based on curriculum assessed by teacher of the institution teaching PG learners/ publication of research paper/presentation of a research paper in seminar or conference <ol style="list-style-type: none">Selection of the topic, introduction, write up, references (15 marks)Presentation with the use of ICT (15 marks)	30
2	Active participation in routine class instructional deliveries	05
3	Overall conduct as a responsible learners, communication and leadership qualities in organizing related academic activities	05

b. Semester end Examination

- Duration: these examinations shall be of 2.5 hours duration
- Theory question paper pattern
 - There shall be five questions each of 12 marks.
 - All questions shall be compulsory with internal choice within the questions.
 - Questions may be subdivided into sub-questions a, b, c...and the allocation of marks depends on the weightage of the topic.



Passing standard:

The learners shall have to obtain a minimum of 40% marks (i.e. 16 out of 40) in the internal assessment and 40% marks (i.e. 24 out of 60) in the semester end examination separately, to pass the course and minimum of grade C in each project wherever applicable to pass a particular semester

Academic Calendar (2022-23)

June 2022

- International Yoga Day
- Admission Schedule 2022-23
- National Statistics Day
- World blood donor day-poster and lecture day

July 2022

- Tree plantation Drive
- World Population day
- Van Mahotsav Saptah-lecture
- Zoo magazine inauguration

August 2022

- Scholarship orientation
- College Foundation day
- NSS Enrollment
- Swacchata week
- Participation in inter University sports events
- NSS orientation
- Independence day-Poster competition

September 2022

- Students seminar
- Teacher day celebration
- NSS week celebration
- Guest lectures
- Nutrition day
- Excursion by Department of Zoology

October 2022

- World animal welfare day
- World food day
- National Unity day
- University examinations
- Swacchata week

November 2022

- Seminar activity
- Group discussion
- Avishkar competition



December 2022

- World AIDS day
- HIV/ AIDS awareness week
- Disaster Management training
- Blood donation camp
- Annual sports events
- NSS residential camp
- National Mathematics day

January 2023

- Yuva divas
- Jivau Jayanti
- Students seminar
- Study Tour

February 2023

- World cancer day
- Industrial visit
- NSS scrutiny

March 2023

- World TB day
- International women's day
- Guest lectures
- Alumini meet

April 2023

- University examinations
- MSc. Guest lectures
- Ambedkar Jayanti



वर्ष दुसरे



भविष्यवधी नेतृत्व
मा. उदय सामंत
उच्च व तंत्र शिक्षण मंत्री,
महाराष्ट्र राज्य

महाराष्ट्र राज्य
उच्च व तंत्र शिक्षण विभाग
व महाराष्ट्र माहिती तंत्रज्ञान सहाय्यता केंद्र
यांच्या संयुक्त विद्यमाने



करिअर कट्टा

युवकांच्या सर्वांगीण विकासासाठी.....



आयएएस आपल्या भेटीला **उद्योजक आपल्या भेटीला**

- राज्य पातळीवरील स्पर्धा परीक्षा/ महाराष्ट्र लोकसेवा आयोग
- पोलीस भरती
- बँकिंग सेवा
- स्टाफ सिलेक्शन कमिशन
- केंद्रीय पातळीवरील स्पर्धा परीक्षा (यु पी एस सी)
- उद्योजकीय व्यक्तिमत्व विकास
- व्यवस्थापकीय कौशल्य व प्रत्यक्ष उद्योजकांचे मार्गदर्शन
- वित्त व्यवस्थापन
- निर्णय क्षमता
- जोखीम व्यवस्थापन (Risk Management)
- मनुष्यबळ व साधनसामुग्री व्यवस्थापन
- आधुनिक तंत्रज्ञान

द्वयेयपूर्तीच्या वाटेवर सातत्याने **३६५** दिवस

पासोबत सभासद शुल्क ₹ ३६५/-भरल्यानंतर विद्यार्थ्यांना ०३ वर्ष प्रति वर्ष ०५ या पद्धतीने १५ कोर्स मोफत दिले जातील.

नाव नोंदणी व अधिक माहितीसाठी
7507652555 या नंबरवर आपले नाव करा
<https://careerkatta.mitsc.co.in>



Course List under Career Katta

Course List	
1) Python Programming	26) Digital Banking
2) Python for AI/ML	27) Digital Marketing
3) Python for web Development	28) Political Ethics and Value
4) Cloud computing	29) Leadership Development
5) Devops	30) Literacy about Judicial Process
6) Data analytics with tableau and power BI	31) Constitutional Values and Ethics
7) Social Media Profile Management	32) Certificate in Office Administration
8) Financial Literacy	33) Certificate in Training Management
9) Event Management	34) Organic Farming
10) Fund Flow Management	35) Fruits and Vegetables Drying Dehydration and Technology
11) Communication Skill & Personality Development	36) Certificate course in World Politics
12)बी पी टी १९५० संस्था नोंदणी कायदा प्रशिक्षण	37) Certificate course in Rural Development
13) Road Safety and Awareness Training	38) Scientific Temperament
14) परदेशी नोकरीच्या संधी आणि व्यक्तिमत्व विकास	39) Green Chemistry
15) Foundation Course in Business Law	40) Renewable Energy
16) माहिती अधिकार कायदा प्रशिक्षण	41) Nanotechnology
17) Soft Skill Training Program	42) Biotechnology
18) Certificate Course in Human Right	43) Medical Lab Technology
19) Certificate Course in Journalism	44) Nano Biotechnology
20) Communication Skill Program	45) Introduction to Forensic Science
21) Content Writing Course	46) Tourism Management
22) Basic of Cost & Works Accounting	47) Forensic Accounting
23) E- Filing	48) Cyber Law
24) Soft Skill Development	49) Office Management
25) Introduction to Basic Concept of Accounting	50) Consumer Protection Act 2019

करिअर कट्टा विद्यार्थी नोंदणी फॉर्म

1) नाव :-

2) शिक्षण :-

3) ई-मेल आयडी :-.....

4) मोबाईल नंबर :

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5) महाविद्यालयाचे नाव :-

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6) महाविद्यालयाचा कोड :-

7) करिअर कट्टा कोर्सचे नाव :-

● IAS आपल्या भेटीला

● उद्योजक आपल्या भेटीला

8) जिल्हा :-

9) तालुका :-

10) विद्यार्थ्यांची सही :-



Committees

Sr. No.	Committee	Chairman/Chairperson
1.	Cultural	Dr. P. B. Abhange
2.	Student Development Department	Dr. S. S. Mirza
3.	Examination	Dr. N. A. Degwekar
4.	Discipline and Anti Ragging Committee	Dr. V. A. Rane
5.	Science Association & Avishkar Research Conversion	Dr. S. V. Bangale
6.	Career Guidance & Placement Cell	Dr. S. V. Bangale
7.	Sports	Dr. B. G. Bhaware
8.	N.S.S.	Dr. V. A. Rane & Dr. N. M. Shaikh
9.	Library	Dr. V. S. Raykar
10.	Alumni/ PTA Association	Dr. V. S. Raykar
11.	Department of Lifelong Learning & Extension (DLLE)	Mr. H. R. Sonawane
12.	Magazine	Dr. P. B. Abhange
13.	Grievance Committee	Dr. P. B. Abhange
14.	Women Development Cell	Miss N. N. Adulkar
15.	Internal Committee	Miss M. Kunde
16.	I.Q.A.C.	Dr. S. V. Jamdar
17.	Admission Committee	Mr. J. V. Deore
18.	Time Table	Dr. S. V. Bangale



Curricular & Co-Curricular Activities

The various committees at collegiate level are meant for promoting co-curricular and extra-curricular activities and competencies of the students. The activities throughout the year are as varied as Sports, Career Counselling, Yoga Classes and Self Defence Techniques and many other activities as the imagination and ingenuity of the students can be handled. The most celebrated cultural fest "SPANDAN" receives every year overwhelming response from students. "TECH FEST", the Information technology and computer science fest is other popular event of self-financing courses allowing the students to discover new facets of their skills.

Students are encouraged to take full part in the life of the college and also to participate in the intercollegiate, intracollegiate level cultural and sports competitions.

GYMKHANA: A committee, consisting of teachers as an in-charge of Sports Department manages activities of the Gymkhana. Secretary: The student whose all-round performance during previous year has been found satisfactory, will be nominated by the GYMKHANA committee as the Secretary. The committee will standardize the gymnasium timing and the students are required to strictly follow the schedule without fail.

COUNSELLING CELL: It has been observed that some students have personal problems and the increasingly competitive environment causes stress. To cope with these problems the college has setup a counselling cell to help the students towards stress management. The students/parents are requested to make use of this facility and all the matters will be kept-confidential. Counselling is provided by professional counsellors and psychologists. Counsellors can help the students in sorting out conflicting demands and in stress management. Facilities for health care and insurance are also available. Psychological counselling in nature, confidential assistance to help students understand their feeling and personal problems, overcome stress, or find better ways of handling interpersonal relationships. Depending upon the nature of intervention required, family members may also be included in the counselling process.

NATIONAL SERVICE SCHEME (NSS): In National Service Scheme (NSS) students personality development is enhanced by participating/conducting various activities like constructing dams, development of stage courage, cleanliness drive, tree plantation, voters awareness, developing volunteer's for various activities, donating blood, managing disaster or natural calamity and various trainings are given to selected students and students are sent to Avhaan, SRD, DRD parade, Theme based workshops etc. The volunteers (or students) associated with NSS are awarded with 10 additional marks at the final exam for the completion 240 hours of work in two years.

WOMEN DEVELOPMENT CELL: Women Empowerment and Gender Equality are the most important requirements for the upliftment and progress of our nation. In the effort to make the College a strong kernel of gender sensitization, the Women Development Cell (WDC) was constituted. The Cell has both the faculty and students of the College as its members and works with an aim to create a gender sensitized community within campus as well as in the society. It has been organising varied academic, technical, medical, cultural and social events for the upliftment of women and spread the real importance of gender equality in the society through College students.

DEPARTMENT OF LIFELONG LEARNING AND EXTENSION(DLLE): The Department of Life Long Learning and Extension (DLLE) is a statutory department under the University of Mumbai which is formed in 1978 to promote meaningful and sustained rapport between the university and the community. The motto of DLLE is "REACH TO UNREACHED". The department carried out extension work projects encompassing social issues. The students associated with DLLE are awarded with 10 additional marks at the final exam for the completion of the project of 120 hours in a year.

INDUSTRIAL VISITS: Chemistry department conducts every year Industrial visits. This year Chemistry department visited to "Neelikon Food Dyes and Chemicals" on 10-04-19 where lots of information are on dyes manufacturing processes as well as their packaging are given. Students got opportunity to handle various analytical instruments such as HPLC, GC, NMR, UV instruments, advance thermometer etc. Guest lecturers are also invited every year to give lectures on various topics.

ZOOLOGY DEPARTMENT EXCURSION TOUR: Every year Zoology department organizes excursion tour twice, one long tour and other short tour to various places like Fish markets, Harne beach, Dr. Balasaheb Sawant Kokan Krishi Vidyapeth, Raathad etc. Every year guest Lecturers are called to speak on various topics.

TECH FEST: Tech-Fest a seven day technical festa is organized by students of B.Sc. Information technology and computer science department.

