

Shiromani Gurudwara Prabandhak Committee's  
Guru Nanak

# **Khalsa College**

of

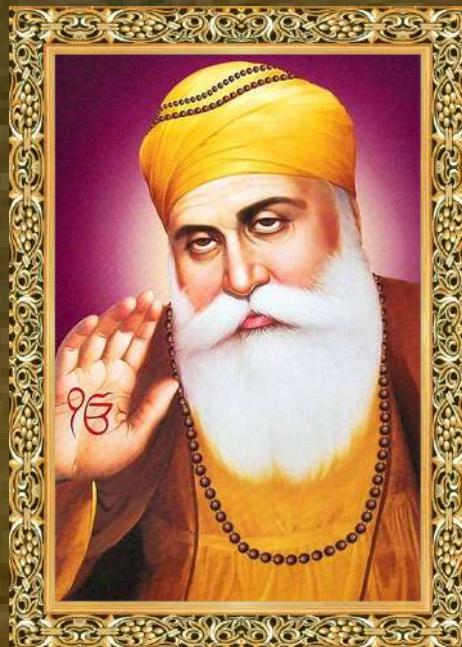
## **Arts, Science & Commerce (Autonomous)**

*Affiliated to University of Mumbai*

*Accredited by NAAC (Third Cycle) with 'A' Grade with CGPA of 3.54*



# Prospectus 2025-26



ਦੇਹ ਸਿਵਾ ਬਰੁ ਮੋਹਿ ਇਹੈ ਸੁਭ ਕਰਮਨ ਤੇ ਕਬਹੂੰ ਨ ਟਰੋਂ ॥  
 ਨ ਡਰੋਂ ਅਰਿ ਸੇ ਜਬ ਜਾਇ ਲਰੋਂ ਨਿਸਚੈ ਕਰਿ ਅਪੁਨੀ ਜੀਤ ਕਰੋਂ ॥  
 ਅਰੁ ਸਿਖ ਹੋਂ ਆਪਨੇ ਹੀ ਮਨ ਕੌ ਇਹ ਲਾਲਚ ਹਉ ਗੁਨ ਤਉ ਉਚਰੋਂ ॥  
 ਜਬ ਆਵ ਕੀ ਅਉਧ ਨਿਦਾਨ ਬਨੈ ਅਤਿ ਹੀ ਰਨ ਮੈ ਤਬ ਜੂਝ ਮਰੋਂ ॥੨੩੧॥

Deh siva bar mohe eh-hey subh karman te kabhu na taro ॥  
 Na daro arr seo jab jaye laro nischey kar apni jit karo ॥  
 Arr Sikh ho apne he mann ko, eh laalach hou gun tau ucharo ॥  
 Jab aav ki audh nidan bane att he rann me tabh joojh maro ॥੨੩੧॥

ਦੇਹ ਸ਼ਿਵਾ ਬਰ ਮੋਹੇ ਈਹੇ, ਸ਼ੁਭ ਕਰਮਨ ਤੇ ਕਖੁੰ ਨ ਟਰੁੰ ॥  
 ਨ ਡਰੈਂ ਅਰਿ ਸੈਂ ਜਬ ਜਾਇ ਲਡੈਂ, ਨਿਸ਼ਧ ਕਰ ਅਪਨੀ ਜੀਤ ਕਰੈਂ ॥  
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*Dear God, grant my request so that I may never deviate from doing good deeds.*

*That, I shall have no fear of the enemy when I go into battle and with determination I will be victorious.*

*That, I may teach my mind to only sing your praises.*  
*And when the time comes, I should die fighting heroically on the field of battle ||231||*

~ Sri Guru Gobind Singh Ji

# **Vision**

To emerge as a Centre of Excellence in Higher Education

# **Mission**

To create strong analytical minds with scientific temper, fostering global competencies through the spirit of humanism thereby bringing about holistic development of the students by remaining in sync with the teachings of Guru Nanak.

# **Quality Policy**

'To attain excellence in all our endeavors namely teaching, research and continuing education, adopt self-evaluation as a measure for continuous improvement and ensure accountability.'

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# From the Chairman's Desk

**SARDAR GURINDER SINGH BAWA**



***"Truth is high but higher still is truthful living."***

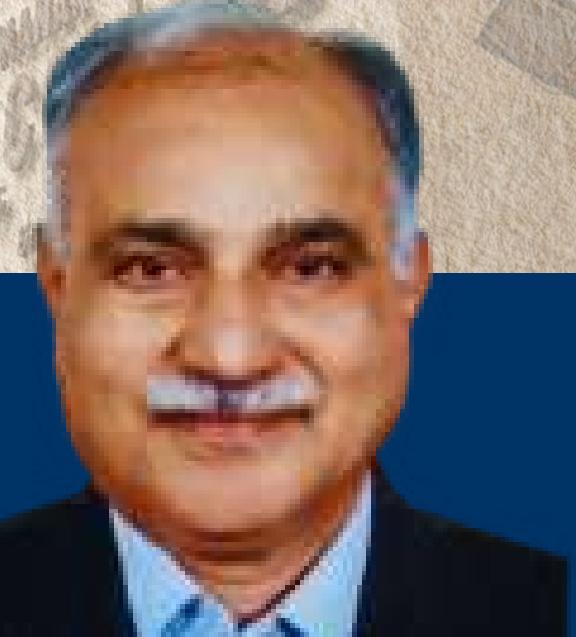
**Quote from- Shri Guru Granth Sahib**

With the aim of imparting substantial societal obligation towards education, I promise to gift the society with compassionate youth who will not only dream big but take action to become the ambassadors of the community.

With the new policy of NEP, we envision to align our entire teaching as per current requirements keeping Indian ethos in mind. Continuous efforts of the teaching and non-teaching department have been taken forth by enhancing the preaching and teachings of our Gurus as we are promoting in our college equality and fostering a sense of community and service in the minds of the students. I take immense pride in their accomplishments.

I am pleased to share with all of you that today, our College, in the field of Sports, ranks at the top in the University of Mumbai. Our college has produced some of the best players of the Country. I am grateful to the staff that are working tirelessly behind the students' progression.

I wish them all success. May all our students soar high in uncharted skies and bring glory to the world and their profession with the wings of education



## **Message from Campus Director**

**Dr. Kiran Mangaonkar**

**To strive, to seek, to find and not to yield'**

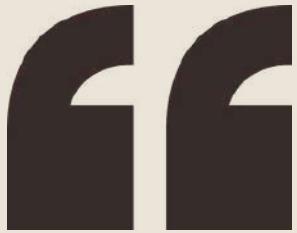
- From the poem 'Ulysses' by Alfred Lord Tennyson

**I feel proud to introduce Guru Nanak Khalsa College, dedicated to the holistic growth and development of students who are looking for excellent career prospects. The wisdom comes through skills like learning the importance and significance of problem-solving, decision-making, and needs for goal setting. These tools will be an aid to students in every situation they face throughout their lives.**

**Our faculty members are well committed to bringing out the potential within every student by providing them with essential grooming, mainly to shape them into future managers capable of facing all kinds of challenges in the corporate world.**

**GNKC is making enormous efforts to impart professional communication skills, critical thinking abilities, and entrepreneurial abilities among the students. The institute provides state-of-the-art infrastructure keeping pace with the technological advances. It also provides a strong research culture and placement cell which is the need of the hour.**

**I am sure in the future, GNKC will be one of the top colleges in the country.**



# From the Management Desk

We in Guru Nanak Khalsa college mould the Future of our students for their betterment. The institute plays a significant role in making every student a role model, a path breaker and risk-taking young talent, whom the leading and reputable enterprises willingly absorb. As an Autonomous institute we nurtures multiple courses with efficiency. The esteemed G.N Khalsa College, has earned veneration in the city of Mumbai by consistently growing in various domains. The realm of education, sports, cultural India tour and societal activities has flourished significantly within college's confines.

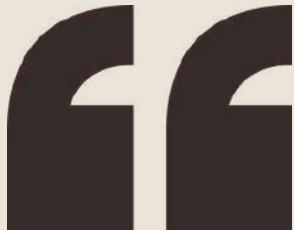
Under the guidance of our Chairman, Sardar Gurinder Singh Bawa, a self-effacing visionary leader, whose name inspires respect, admiration and awe in people from different fields, I can say he has played a crucial role in establishing a cohesive management team. The institute, led by an efficient Principal, who has prepared cohesive curriculum with the help dynamic faculties has effectively addressed the changing market dynamics. The teaching methodology here can be compared to planting seeds of knowledge in the fertile minds of students, ensuring their comprehensive development

The college's infrastructure accomplishments are dedicated to fostering the comprehensive growth of students, enabling them to confront real-world challenges with confidence. This concerted effort aligns with the institutions objective of nurturing students in a well-rounded manner. By embracing professionalisms, students can ardently pursue their aspirations and bring honour to the college.

I Wish Good Luck to all of you...



Dr.(Mrs.) Jasbir Kaur Makkar



# From the Principal's Desk

**"Real education enhances the dignity of a human being and increases his or her self-respect. If only the real sense of education could be realized by each individual and carried forward in every field of human activity, the world will be so much a better place to live in."**

**APJ Abdul Kalam has rightly said, and I completely believe that education is not just a resource for imparting knowledge, it creates and augments the overall personality of an individual. From its inception Guru Nanak Khalsa College has imbibed on the teachings of Guru Nanak Devji and the dream of Baba Saheb Ambedkar and has walked the way with extreme zeal and motivation. Recently, with the introduction and implementation of the National Education Policy 2020 (NEP) there has been significant changes in the Indian education system which will augment holistic changes and multidisciplinary skill enhancement. The Indian Knowledge System has been an integral part of our institution from the time of its commencement and now this traditional culture will be enriched with the implementation of the new education system. It will undoubtedly enhance cultural heritage, thus creating a positive impact on the progression of the society.**

I am happy and proud to mention that our college, which is affiliated to the University of Mumbai, has acquired the Autonomous status, and accredited by NAAC with 'A+' grade and a CGPA of 3.54. I feel pleased and honored to acknowledge that our college has not only achieved excellence in sports but also received various academic grants like RUSA, CPE, FIST and have been awarded with STAR College status. With the motto of empowering our institution further, I believe that students can improve their industry-academia qualifications by working under these schemes and taking guidance from our highly qualified staff. We have good infrastructure facilities as well as excellent research culture in our institution which will benefit the students. New courses, innovative assignments, seminars and workshops, various tie-ups with industry and academia and different projects are all lined up for the advantage of the students and the enrichment of the college. Wishing everyone a prosperous and promising future – we continue the journey of excellence.



**Prof. Dr. Ratna Sharma**

# COLLEGE DEVELOPMENT COMMITTEE

CONSTITUTED UNDER THE MAHARASHTRA PUBLIC UNIVERSITIES ACT 2016

<u>Sr. No..</u>	<u>NAME</u>	<u>DESIGNATION</u>
1	<b>Sardar Gurinder Singh Bawa</b>	<b>Chairman</b>
2	<b>Dr. Harvinder Pal Timmy Mehta</b>	<b>Vice-Chairman</b>
3	<b>S. Harpal Singh Bhatia</b>	<b>Member</b>
4	<b>Sardar Parampreet Singh Bhatia</b>	<b>Member</b>
5	<b>Dr.(Mrs.) Jasbir Kaur Makkar</b>	<b>Member</b>
6	<b>Dr. Kiran Mangaonkar</b>	<b>Member</b>
7	<b>Dr.(Mrs) Ajitha Rani</b>	<b>Head of Departments nominated by Principal</b>
8	<b>Dr.(Mrs.) Aparna Dubashi</b>	<b>IQAC Coordinator</b>
9	<b>Dr. Manoj Mishra</b>	<b>Elected Representative of Teaching staff</b>
10	<b>Dr.(Mrs.) Harmeet Kaur</b>	<b>Elected Representative of Teaching staff</b>
11	<b>Dr.(Mrs.) Mithu Bhattacharya</b>	<b>Elected Representative of Teaching staff</b>
12	<b>Mr. Harshal Rane</b>	<b>Elected Representative of Non-Teaching staff</b>
13	<b>Dr.(Mrs.) Ratna Sharma</b>	<b>Principal &amp; Member Secretary</b>

## SCHOOL COMMITTEE

(JUNIOR COLLEGE)

<u>SR. NO.</u>	<u>NAME</u>	<u>DESIGNATION</u>
1	<b>S. Gurinder Singh Bawa</b>	<b>Chairman</b>
2	<b>S. Raghbir Singh Gill</b>	<b>Member</b>
3	<b>S. Kulwant Singh</b>	<b>Member</b>
4	<b>S. Manmohan Singh Ratti</b>	<b>Member</b>
5	<b>S. Sukhwinder Singh Radhawa</b>	<b>Member</b>
6	<b>S. Jaspal Singh Sidhu</b>	<b>Member</b>
7	<b>Vice-Principal Ms. Sangita Bevli</b>	<b>Member</b>
8	<b>Principal Dr. Ratna Sharma</b>	<b>Member</b>



# ABOUT THE COLLEGE

- **Shiromoni Gurdwara Prabandhak Committee's (SGPC) Guru Nanak Khalsa College (Autonomous)** is a minority institution affiliated to Mumbai University with a NAAC accreditation of A grade and a CGPA of 3.54. Established in 1937, on the recommendation and vision of the eminent social reformer and architect of the Indian Constitution, Bharat Ratna Dr. Babasaheb Ambedkar, it is one of the oldest colleges in the city of Mumbai and the first college to be established by the Community outside Punjab. Accorded with the UGC recognition under 2f in 1974, the college is ideally located in the heart of an education zone, amalgamating the essence of learning and the spirit of sports.
- The College comprises the Degree College (autonomous since 2019) affiliated to Mumbai University and the Junior College affiliated to the Maharashtra State Board of Secondary and Higher Secondary Education.
- In response to the paradigm shift in higher education, the College has implemented NEP 2020 from the academic year 2023-24. The institute is geared towards innovative academic pedagogies through co-curricular and extracurricular activities, acquiring of practical knowledge through internships, skill-based courses, workshops, and credit courses. The institute provides state of art facilities and congenial environment for learning and research through PhD programs.
- **GNIRD (Guru Nanak Institute of Research & Development)** is a centralized facility for research, forging alliance the industry for collaborative research. NFB (National Facility for Biopharmaceuticals) which was established in 2012 with DST funding, has been offering efficient and effective training solutions in the field of molecular biology.
- The college has state of art Gymnasium, huge Sports Ground, an International Rifle Shooting Range, Sports equipment of Olympics standard and Taekwondo Hall. NCC, NSS and Natyashray are other facilities where students hone their talents.
- Being a Sikh minority college, the College has an in-house Gurdwara to nurture the values of Guru Nanak Devji. The College, however, retains its secular outlook as it firmly believes in the Sikh ideology of Oneness of Humanity and prides itself on its cosmopolitan staff and diverse student population.
- The academic year commences with prayer in the Gurudwara followed by 'Guru Ka Langar' in which all the students and teachers partake, creating a sense of harmony.



**College with recognition as  
Scientific and Industrial  
Research Organization  
(SIRO), by Dept of Science &  
Technology (DST),  
Govt. of India**



**Prospectus 2025 - 26**

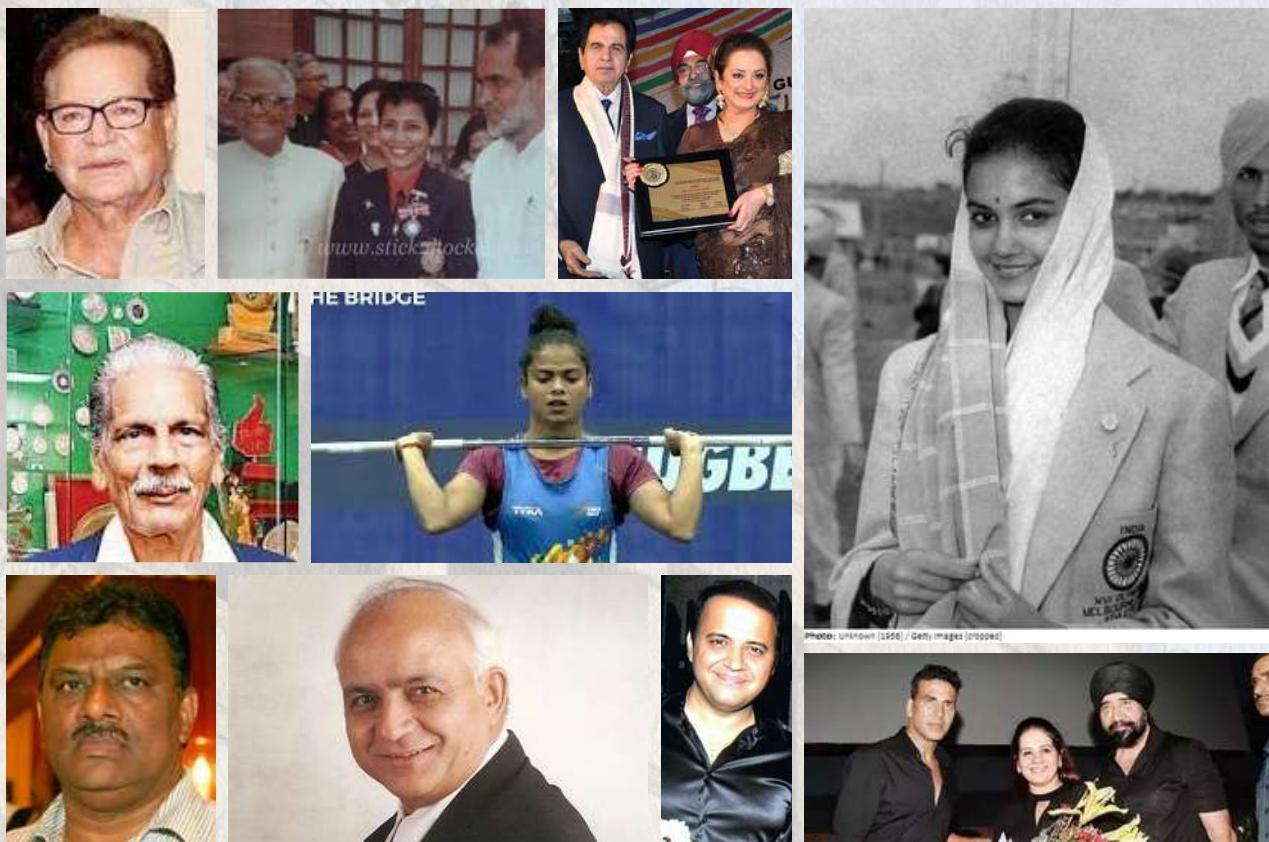
**Guru Nanak Khalsa College of Arts, Science & Commerce  
(Autonomous)**

# HIGHLIGHTS

- Sporting excellence is reflected through the attainment of **1 Padmashri, 2 Arjuna Awards, and 16 Shiv Chhatrapati Awards** as well as **10 Olympians**.
- Recipient of the **Best College Award 2012** by the University of Mumbai in.
- Awarded **FIST Grant by DST**, Govt. of India in 2014
- Awarded **STAR** College Grant by the Department of Biotechnology (DBT), RUSA Grant and also CPE Grant from Govt. of India in 2015
- Experienced 3 cycles of NAAC and received A grade **with CGPA 3.54** in 2017.
- Autonomous Status by University Grants Commission (UGC) in December, 2018 which was implemented from the academic year 2019-20 onwards
- Recognized as College with Potential for Excellence
- Only College in Mumbai with recognition as Scientific and Industrial Research Organization (SIRO), by Dept of Science & Technology (DST), Govt. of India
- Creation of National Facility for Biopharmaceuticals (NFB), with funding of Rs. 3.45 Crores from DST, Govt. of India
- NFB has signed an MOU with STEMMED INDIA for research on Dental Stem Cells.
- Recipient of Best NSS Unit Award from University of Mumbai
- Recipient of Best NSS Program Officer Award from University of Mumbai.
- Participation in Republic Day parade (New Delhi) 2024 by Ms. Maithili Manjrekar.
- Recipient of campus ambassador for TISS E-cell to Ms. Snehal Tiwari
- Recipient of IWSA award by students of M Sc.
- Recipient of first prize in state-level Natyaspardha by Natyashray group.
- Excellent research credentials –
  - 39 Research Guides
  - 65 students enrolled for PhD till date
  - Received around Rs 3 crore research grants for 12 Major Research Projects and 90 Minor research projects from various agencies like UGC, DBT, DST, and the University of Mumbai
- International research collaboration with agencies like Ozo-innovations UK, Department of Biotechnology- Govt of India, Newton Bhabha, Jain Farm Fresh, and University of Napier, Edinburgh (total project cost amounting to two million sterling pounds).
- More than 300 publications including books, 150 papers in international journals with Scopus indexing
- Recognition of students' research findings with gold and silver medals at the State level in the Inter-University Research Competition 'Avishkar'.
- 02 patents awarded
- Established a Sikh Heritage Museum through the CPE funds received from UGC
- Established an Entrepreneurship and Skill Development Cell funded by RUSA



# A FEW FAMOUS ALUMNI...



The college has produced famous personalities in various fields including academicians like the former Vice-Chancellor of Mumbai University Ram Joshi. The college has also produced many famous Sports personalities, Indian Hockey team members, Olympians, Arjuna award winners and Padmashris.

The following Khalsites have represented India in the Olympics:

- **S. S. Narayan (Football)**
- **Mary Leela Rao (Athletics)**
- **Balbir Singh (Hockey)**
- **Selma D'Silva (Hockey) Padmashri**
- **Lorraine Fernandes (Hockey) Arjuna Award**
- **Joaquim Carvalho (Hockey) Arjuna Award**
- **Marcellus Gomes (Hockey)**
- **Mark Patterson (Hockey)**
- **Jude Menezes (Hockey)**
- **Adrian D'Souza**
- **Gavin Fereira and many more.**

Cinema personalities who studied at Khalsa College include Dilip Kumar (Bollywood Actor) Ramesh Talwar (director), Kuldeep Singh (composer), Salim Khan (screenwriter), and Akshay Kumar (Bollywood actor), Mandar Chandwadkar (popular TV Serial actor).



# CODE OF CONDUCT

## ATTENDANCE

The students should have a minimum of 75% attendance to be eligible to appear for the internal as well as semester end examinations as per University of Mumbai Ordinance O.6086.

Students should attend all lectures, tutorials, seminars, practicals and college examinations according to the time-table. Students remaining absent should submit a leave note signed by their parents/guardian stating reasons for their absenteeism. Absenteeism over three days should be immediately brought to the notice of the Principal.

## RAGGING

Ragging is prohibited under the Maharashtra State Act of 1999 within or outside of education premises and any act by participant is punishable. **RAGGING IS BANNED** as per the Supreme Court Ruling (Civil Appeal No. 887 of 2009) and Mumbai University Circular (No. CONCOL/ 286, dated 23rd July 2009) .

Ragging would be met with exemplary punishment.

Any student found guilty of ragging would be expelled from the College.

Any student found guilty of ragging earlier would not be admitted.

Anti ragging squad is formed by the college. Tel. Number:

## Internal Complaints Committee (ICC)

In accordance with the 'Sexual Harassment of women at workplace (Prevention, Prohibition and Redressal) Act', 2013, the College has a policy of zero tolerance to sexual harassment. The Committee ensures the successful and effective implementation of the process of preventing sexual harassment at workplace, and addresses the grievances related to sexual harassment in a time bound manner.

The College has a **zero tolerance policy** towards gender based harassment Tel. Number:



## **Unfair Means**

- The use of unfair means by students at any examination or in college campus will invite severe punitive and disciplinary action under the rules and regulations now in force.

## **GENERAL CONDUCT**

- Every Sikh student who is admitted to the College is required to wear a proper turban.
- No admission form will be accepted without the student's photograph in a proper turban
- The student will be liable for strict disciplinary action amounting to dismissal from the College, if the Sikh culture is defiled in any way.
- Wearing an ID-Card on campus is compulsory. It is obligatory for students to return their identity cards to the college office when they cease to be students of the college.
- Caution Money will be refunded as per the refund policy of the institute only after returning the ID-Card
- Students will not be allowed in the Examination Hall without a valid Identity Card.
- Any grievance regarding academic matters should be first brought to the notice of the Head of Department or the Vice-Principal before meeting the Principal.
- Access will not be allowed into lectures, computer labs, seminars after the start of the session. Late comers will be refused entry and should leave immediately, if requested.
- Misuse or damage to any learning materials including collar mikes, computers, sound systems or LCD Projectors, furniture, fittings, or any other property belonging to the institute will not be tolerated and will lead to disciplinary action and shall be liable to pay fine as applicable.
- Library books and Cards should be returned as per the Library policy.
- Read notice board and visit college website regularly for latest updates to be well informed at all times
- Comply with all important dates provided by the examination section without fail.



- Provide faculty teaching feedback unbiased and fearlessly to facilitate positive changes in teaching/training system and help to improve its efficiency and effectiveness.
- Participate in departmental and institutional activities/ programmes individually and in groups to enhance learning and help to increase the brand value of the Institute.
- Encourage and share best practices and innovations at all levels to set new standards and benchmarks for the Institute.
- Do not use cell phones within the Classroom & Labs.
- Associations/Organizations will be formed only with the prior permission of the Principal.
- Collecting funds for any purpose is strictly prohibited unless scrutinised and permitted by the Principal.
- No meeting, demonstration party or picnic will be permitted without prior permission from the Principal and undertaking from students.
- For inviting a person to preside / address/ participate in association / organization / visits etc, prior permission of the Principal is necessary. Subjects / topics selected for debates / lectures / seminars etc. must have the previous approval of the Principal.
- No Fresher's party / Farewell party shall be allowed without prior permission of the Principal (College authorities will not take up the responsibility for the functions held outside the college Campus.) .
- Consumption of alcohol, tobacco, drugs, cigarettes and smoking is prohibited in the institute. Students should refrain from visiting smoking joints in the vicinity of the campus.
- Students should not bring with them unauthorised persons into the college premises.
- Be vigilant and report any incident that needs immediate attention and corrective action.
- Any illegal activity within the college premises is strictly prohibited
- Students are liable to be removed from the college for misconduct or any other serious breach of discipline.

### **DRESS CODE**

- Formal and decent dress code should be maintained.
- Students are expected to wear clothes that contribute to the academic atmosphere necessary on an Indian College campus. Accordingly, sleeveless or short tops as well as short dresses, short and ripped jeans are considered inappropriate.

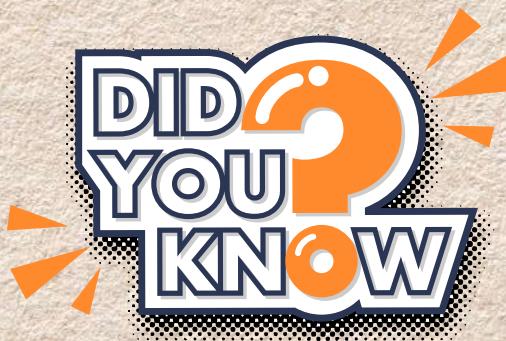
**Matters not covered by the existing rules will rest at the discretion of the Principal.**



## **Information for Student Service Counters in General**

**Contact the Enquiry counter or check the website for the information regarding the following(Aided & Unaided Section).**

- Railway Concession, Bona fide Certificate, No Objection Certificate,.
- Results of UG and PG. Verification of marks & documents, Revaluation forms, Photocopy forms of Degree College, Transcript, Migration of Degree College. Issue of Examination forms, marksheets, Issue of Convocation Inward Letters, applications, Acceptance of all fees,
- All Scholarships of Degree & Junior College to Reserve Category, PTC, SST, Non-Teaching, Phy. Handicapped, Ex-Serviceman, etc.
- Junior College: Issue of XII Std. Marksheets & Passing Certificate, Verification of Jr. College Marksheets, Leaving Certificate & other relevant documents, XI & XII Examination Forms, Revaluation T.C.



**Our College Sporting excellence reflected in**  
**1 Padmashri,**  
**2 Arjuna awardees,**  
**10 Olympians**  
**17 Shiv Chhatrapati awardees**



# CURRICULA

## Core-Curriculum

The College comprises both the **Junior and Degree College**. The **Degree College is an Autonomous institution**, affiliated to the University of Mumbai and the College **offers**, in addition to **Arts, Science and Commerce streams (Aided & Self Financing)**, **vocational and self-financing courses viz. Minimum Competency Vocational Course (MCVC), Computer science in the Junior College**.

## Rules of Admission

Admission is granted solely on merit as per University/ Government rules. Seats are reserved for the Sikh Minority community as per rules.

Outstanding sports persons and children of defense / ex defense personnel and from the handicapped category are given weightage. A special provision is made to enroll students from the developing countries of Asia and Africa.

As per university norms vide Circular no. Aff./ICC/ (201718)/18/of 2018 two seats under Supernumerary Quota for students from Jammu & Kashmir are reserved.

## Junior College

### **Eligibility Norms for ADMISSION TO JUNIOR COLLEGE:**

After declaration of SSC result the State Government decides the schedule for admission to FYJC (XI) std and accordingly allot seats by the government through online process as per the norms from time to time.

Based on the allotment of seats by the state government, the student should visit college website [www.gnkhalsa.edu.in](http://www.gnkhalsa.edu.in) for filling up of college admission form through online. After filling in the online admission form the student has to take the printout of the form and submit it to the college along with the following for the confirmation of admission by payment of admission fee.

**FOR GIRL FREE STUDENTSHIP:** - Girl students are exempted from payment of certain fees by the State Government. To avail these benefits the Girl students are required to submit the Declaration Form along with ration card copy.



## Documents Required along with the print out of the college admission form.

For Home Board i.e. Maharashtra State Board	For Other Boards viz. CBSE/ICSC/Other State Boards
<p>1. SSC Mark-sheet – Xerox</p> <p>2. School Leaving Certificate –in Original</p> <p>3. Online Registration Form –in Original</p> <p>4. Aadhar Card Photocopy</p> <p>5. For Girls: Ration Card Photocopy + Declaration form duly filled in.</p>	<p>1. Eligibility Application form duly filled</p> <p>2. Deed of Undertaking on Rs. 100/- StampPaper</p> <p>3. Mark-sheet –Original</p> <p>4. Passing Certificate –Original</p> <p>5. Migration Certificate issued by the previous Board</p> <p>6. Leaving Certificate / Transfer Certificate duly countersigned by the appropriate education authority.</p> <p>7. Aadhar Card Photocopy</p> <p><b>For Girls:</b> Ration Card Photocopy + Declaration form duly filled in.</p>

### Courses offered at Junior College.

STREAM	SUBJECTS	STREAM	SUBJECTS
Arts	<ul style="list-style-type: none"> <li>• English</li> <li>• Environmental Education</li> </ul> <p>Any One of the following</p> <ul style="list-style-type: none"> <li>• Hindi</li> <li>• Marathi</li> <li>• Punjabi</li> <li>• French</li> </ul> <p>Optional Subjects:</p> <p>Any four of the following</p> <ul style="list-style-type: none"> <li>• History</li> <li>• Political science</li> <li>• Economics</li> <li>• Logic</li> <li>• Sociology</li> <li>• Hindi (if not offered as compulsory language)</li> </ul>	Science	<ul style="list-style-type: none"> <li>• English</li> <li>• Environmental Education</li> </ul> <p>Any One of the following</p> <ul style="list-style-type: none"> <li>• Hindi</li> <li>• Marathi</li> <li>• Punjabi</li> <li>• French</li> </ul> <p>Compulsory subject</p> <ul style="list-style-type: none"> <li>• Physics</li> <li>• Chemistry</li> <li>• Mathematics</li> <li>• Biology</li> <li>• Economics</li> <li>• Sociology</li> </ul> <p><b>In the place of Mathematics / Biology</b></p> <p>These optional subjects will be available only on permission granted by the college.</p>



STREAM	SUBJECTS	STREAM	SUBJECTS
<b>Commerce</b>	<ul style="list-style-type: none"> <li>• English</li> <li>• Environmental Education</li> </ul> <p>Any One of the following</p> <ul style="list-style-type: none"> <li>• Hindi</li> <li>• Marathi</li> <li>• Punjabi</li> <li>• French</li> </ul> <p>Other Subjects:</p> <ul style="list-style-type: none"> <li>• Organization of Commerce</li> <li>• Book-Keeping</li> <li>• Economics</li> <li>• Mathematics &amp; Statistics Or</li> <li>• Secretarial Practice (limited seats)</li> </ul>	<b>Bifocal Electronics/ Bifocal Computer Science</b>	<ul style="list-style-type: none"> <li>• English</li> <li>• Environmental Education</li> <li>• Health and Physical Education</li> <li>• Physics</li> <li>• Chemistry</li> <li>• Mathematics</li> <li>• Bifocal Computer Science</li> <li>• Or</li> <li>• Bifocal Electronics</li> </ul>



# COURSES OFFERED

## 1. Degree College (Aided Courses) B.A. / B.Sc. / B.Com

### Eligibility Criteria

(Refer to University of Mumbai website -[www.mu.ac.in](http://www.mu.ac.in) for eligibility and Ordinances regarding courses)

#### First Year:

Qualifying Examination on Required: SYJC Examination of MSBSHSE or any other examination on recognized as equivalent thereto as per eligibility norms presented by Mumbai University on their website [www.mu.ac.in](http://www.mu.ac.in).

Documents required: As per the notification on of the University of Mumbai. Students from other institutions will be required to submit their leaving/ transfer certificate/ NOC.

Those passing the first year of any other Board /University have to submit the 'PROVISIONAL ELIGIBILITY CERTIFICATE' from the University of Mumbai. Final Eligibility Certificate is to be submitted by the end of first term.

#### Second Year:

A student of First Year Arts and First Year Commerce is eligible to take admission in SY (Semester III) if he/she has cleared all the courses of Semester I and Semester II or has failed in not more than four Courses in Semester I and Semester II taken together. (However, the student should not fail in more than two Courses In Each Semester)

A student of FYScience is eligible to take admission in SY (Semester III) if he has cleared all the courses of Semester I and Semester II or has failed in not more than six Courses in Semester I and Semester II taken together but has failed in not more than three Courses in each Semester.

The students who have cleared the first year ATKT examination are also eligible for admission to the second year as per University norms.

Documents Required:Original and attested photocopy of the SYJC and First Year (Both Semesters or ATKT) marksheets and proof of residence (Aadhar Card)

#### Third Year:

Should have cleared First Year and Second Year Examination on of the University of Mumbai or any examination on recognized as equivalent thereto. (The rules of ATKT in force, if any, will be applicable)

Documents required: Original and attested photocopy of the SYJC, First Year and Second Year mark-sheets and proof of residence( Aadhar Card)

Remarks: Students from other institutions will be required to submit their leaving /transfer Certificate /migration on Certificate. Those passing the Second Year from any other University have to submit the 'PROVISIONAL ELIGIBILITY CERTIFICATE' from University of Mumbai. Final Eligibility Certificate is to be submitted by the end of first term.



## 2. Degree College (Self-financed Courses)

### Eligibility Criteria

#### 1. Bachelor of Arts in Multimedia and Mass Communication on - B.A. M.M.C

Ordinance No.O.5205, Intake capacity : , Circular No. UG/279 of 2007, dated 16th June, 2007. A candidate, for being eligible for admission to the degree course in Bachelor of Mass Media shall have passed XII std. examination of the Maharashtra Board of Higher Secondary Education or its equivalent, from the Science, Arts or Commerce streams.

#### 2. Bachelor of Commerce Management Studies (BMS)

##### Minimum Academic Qualification:

- The candidate must have passed H.S.C. (10+2) or its equivalent examination from:
- Maharashtra State Board of Higher Secondary Education, or
- Any other recognized board (e.g., CBSE, ICSE)

##### Minimum Marks Requirement:

- General/Open Category: Minimum 45% aggregate marks
- Reserved Categories (SC/ST/OBC/DT/NT, etc. from Maharashtra State): Minimum 40% aggregate marks
- ( in One attempt )

##### Stream Eligibility:

- All streams are eligible: Science, Commerce, and Arts students can apply.

##### Admission Procedure:

- Merit-Based Admission through college-level process as per University Guidelines.
- Merit is prepared based on HSC (12th std.) aggregate marks.

#### 3. Bachelor of Management Studies (BMS) under AICTE

##### Minimum Academic Qualification:

The candidate must have passed H.S.C. (10+2) or its equivalent examination from:

Maharashtra State Board of Higher Secondary Education, or

Any other recognized board (e.g., CBSE, ICSE)

##### Minimum Marks Requirement:

General/Open Category: Minimum 45% aggregate marks

Reserved Categories (SC/ST/OBC/DT/NT, etc. from Maharashtra State): Minimum 40% aggregate marks.

( in One attempt )

##### Stream Eligibility:

All streams are eligible: Science, Commerce, and Arts students can apply.

##### Admission Procedure:

Merit-Based Admission through centralised Entrance Test.

Centralised Admission Process (CAP) is conducted by the Maharashtra CET Cell.



#### **4. Bachelor of Business Administration (BBA) under AICTE**

##### **Minimum Academic Qualification**

- The candidate must have passed H.S.C. (10+2) or its equivalent examination from:
  - Maharashtra State Board of Higher Secondary Education, or
  - Any other examination recognized as equivalent by the University of Mumbai and must satisfy the eligibility conditions as prescribed by AICTE/ DTE/ University of Mumbai from time to time.

##### **Stream Eligibility:**

- All streams are eligible: Science, Commerce, and Arts students can apply.
- Admission Procedure: Merit-Based Admission through centralised Entrance Test.
- Centralised Admission Process (CAP) is conducted by the Maharashtra CET Cell.

#### **5. Bachelor of Commerce Accounting & Finance (BAF)**

Ordinance No.O.5204, Intake Capacity: Circular No. UG/395 of 2004, dated 7th September, 2004. A candidate for being eligible for admission to the Bachelor of Commerce (Accounting and Finance) degree course shall have passed XII std. Examination of the Maharashtra Board of Higher Secondary Education or its equivalent and secured not less than 45% marks in aggregate at first attempt (40% in case of reserved category).

#### **6. Bachelor of Commerce Banking & Insurance (BBI)**

Ordinance No.O.5209, Intake Capacity: CircularNo. UG/489 of 2004, dated 17th November 2007.

A candidate for being eligible for admission to the Bachelor of Commerce (Banking and Insurance) degree course should have passed XII std. Examination of the Maharashtra State Board of Secondary and Higher Secondary Education, Pune, or its equivalent and secured not less than 45% marks in aggregate (40% in the case of reserved category candidates) at one and the same sitting.



## **7. Bachelor of Commerce Financial Market (BFM)**

Ordinance No.O.5693, Duration: Intake Capacity: CircularNo. UG/211 of 2004, dated 18th May, 2007. A candidate for being eligible for admission to the Bachelor of Commerce (Financial markets) degree course shall have passed XII std. examination of the Maharashtra State Board of Secondary and Higher Secondary Education, or its equivalent and secured not less than 45% marks in aggregate (40% in the case of reserved category) at one and the same sitting.

## **8 .Bachelor of Science(BSc) in Information Technology**

### **(i) First Year Information Technology**

Should have passed XIIth standard examination from Maharashtra Board or its equivalent with Mathematics and Statistics as one of the subjects and should have secured not less than 45% marks aggregate for open category, 40% marks in aggregate in case of reserved category candidate.

### **(ii)Second Year Information Technology**

Should have passed Diploma (Three years after SSC or Xth standard in Information Technology/ComputerTechnology/Computer Engineering/ Computer Science/Electrical Electronics, Video Engineering and allied branches. Mechanical and allied branches / Civil and allied branches of Engineering are eligible for direct admission to the second year of the B.Sc. (I.T.) degree course.

**OR**

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.(IT). Diploma should be recognized by the Board of Technical Education or any other recognized Govt. body. Minimum marks required: 45% aggregate for open category candidates and 40% aggregate for reserved category candidates.

## **9.Bachelor of Science(BSc) in AI and ML**

Should have passed XII standard examination from Maharashtra Board or its equivalent with Science Stream and with Mathematics mandatory securing at least 50% marks.

## **10.Bachelor of Science(BSc) in Computer Science**

Should have passed XII standard examination from Maharashtra Board or its equivalent with Science Stream and with Mathematics and Statistics as one of the subjects.



## **11. Bachelor of Computer Application (BCA) under AICTE**

- Minimum Academic Qualification**

- The candidate must have passed H.S.C. (10+2) or its equivalent examination from:
- Maharashtra State Board of Higher Secondary Education, OR
- Any other examination recognized as equivalent by the University of Mumbai and must satisfy the eligibility conditions as prescribed by AICTE/ DTE/ University of Mumbai from time to time.

- Stream Eligibility:**

- All streams are eligible: Science, Commerce, and Arts students can apply.
- Admission Procedure: Merit-Based Admission through centralised Entrance Test.
- Centralised Admission Process (CAP) is conducted by the Maharashtra CET Cell.

## **12. Bachelor of Science(BSc) in Biotechnology**

Mathematics as one of the subjects at XIIth Science. Provisional admission will be given if Mathematics is not part of the student with regard to eligibility of the subjects XII Science II the student clears the Mathematics proficiency test.

## **13. Bachelor of Science(BSc) in Statistics(TYBSc Statistics-6 units)**

A candidate can take admission to the third year B.Sc. degree course in Statistics if the student has statistics as one of the subjects in second year.

## **14 .Five Years Integrated M.Sc. Degree Course in Bio-analytical Sciences**

- A candidate for being eligible for admission to the first year Integrated M.Sc. degree course in Bio-analytical Sciences must have passed Standard XII after 10 + 02 schooling (or equivalent) examination from any recognized board in India with minimum of 50% marks for students belonging to general category and 45% marks for students belonging to Reserved Category in aggregate or equivalent grade with Science Subjects- PCB or PCMB.
- A candidate without mathematics [Standard XII after 10 + 02 schooling (or equivalent) examination] can become eligible for admission provided he/she undertakes a bridge course and submits the certificate to the university.
- A candidate can take admission to the fourth year Integrated M.Sc. degree course in Bio-analytical Sciences by keeping the term of the third year (Semester V and VI).



## **NOTE:**

**In addition on to the documents specified as may be required from time to time for and in connection with the admission and/or confirmation of admission / eligibility / enrollment by the University of Mumbai, students should also submit an undertaking for regular attendance and good conduct.**

1. Rules of eligibility and enrollment are as per University of Mumbai on their website [www.mu.ac.in](http://www.mu.ac.in) and are also available on college website [www.gnkhalsa.edu.in](http://www.gnkhalsa.edu.in). It is understood that the students seeking admission are completely aware of the rules, regulations/ordinances for admission and eligibility for the course that they have applied for.
2. Confirmation of admission is subject to fulfillment of eligibility and duly confirmed by the University of Mumbai.
3. Every candidate admitted to the Degree course in the constituent/ affiliated college, recognized institution, conducting the course, shall have to register himself / herself with the University.
4. The admission will be confirmed as per the merit list and as per the date and time specified.
5. The College will not be responsible for any lapse on part of the student with regard to eligibility.

**University norms related to attendance – Please Check University website for the ordinance pertaining to the same**

**"If a student, looks for higher values, he must observe self control."**

**– Aurobindo Ghosh**



# COURSES OFFERED: AIDED ARTS

## (1)FYBA-DSC MODEL (DEPARTMENT SPECIFIC MODEL)

### (i) SUBJECTS OFFERED

1) Students must choose any one of the below as the Major subject(Subject 1) at entry level.  
 2) Students must choose any one of the below as the Minor subject (Subject 2)at entry level.

Sr.No	Major Subject 1	Minor Subject 2(any one)						
1	Economics	Hindi	History	English	Philosophy	Marathi	Punjabi	Statistics
2	History	Economics	Hindi	English	Philosophy	Marathi	Punjabi	----
3	Philosophy	Economics	History	English	Marathi	Hindi	Punjabi	----
4	English	Economics	History	Philosophy	Punjabi	----	----	----
5	Hindi	Economics	History	Philosophy	Marathi	Punjabi	----	----
6	Marathi	Economics	History	Philosophy	Hindi	Punjabi	----	----

### (ii) PROGRAM STRUCTURE

Sr. No.	CLASS	SEMESTER I	SEMESTER II
1	FYBA	1. Major Subject 2. Minor Subject 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Co-curricular (CC)-Induction	1. Major Subject 2. Minor Subject 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Indian Knowledge System (IKS)
		Total credits=22	Total credits=22



## (2)SYBA :

### (i)SUBJECTS OFFERED

Major and minor as decided at entry level

### (ii)PROGRAM STRUCTURE

Sr. No.	CLASS	SEMESTER III	SEMESTER IV
2	SYBA	1. Major Subject Paper I 2. Major Subject Paper II 3. Minor subject 4. Open Elective(OE) 5. Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP	1. Major Subject Paper I 2. Major Subject Paper II 3. Minor subject 4. Open Elective(OE) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP
		Total credits=22	Total credits=22

## (3) TYBA

### SUBJECTS OFFERED

Sr. No.	CLASS	SEMESTER V	SEMESTER VI
3	TYBA	<ul style="list-style-type: none"> <li>• Major Paper I</li> <li>• Major Paper II</li> <li>• Major Paper III</li> <li>• Major Elective I</li> </ul> OR <ul style="list-style-type: none"> <li>• Major Elective II</li> <li>• Vocational Skill Course (VSC)</li> <li>• On Job Training (OJT)</li> </ul>	<ul style="list-style-type: none"> <li>• Major Paper I</li> <li>• Major Paper II</li> <li>• Major Paper III</li> <li>• Major Elective I</li> </ul> OR <ul style="list-style-type: none"> <li>• Major Elective II</li> <li>• Minor Paper</li> <li>• Co-curricular Course (CC)</li> <li>• Field project (FP)</li> </ul>
		Total credits=22	Total credits=22



# COURSES OFFERED: AIDED SCIENCE

## (1) FYBSc-DSC MODEL (DEPARTMENT SPECIFIC MODEL)

### (i) SUBJECTS OFFERED

1) Students must choose any one of the below as the Subject- 1 at entry level.

2) Students must choose any one of the below as the Subject- 2 at entry level.

MAJOR (Subject 1) Any one		MINOR (Subject 2) Any one				
1	<b>BOTANY</b>	CHEMISTRY	MICROBIOLOGY	ZOOLOGY	-----	-----
2	<b>CHEMISTRY</b>	BOTANY	MICROBIOLOGY	PHYSICS	ZOOLOGY	-----
3	<b>MICROBIOLOGY</b>	BOTANY	CHEMISTRY	ZOOLOGY	-----	-----
4	<b>PHYSICS</b>	MATHEMATICS	CHEMISTRY	STATISTICS	-----	-----
5	<b>ZOOLOGY</b>	BOTANY	CHEMISTRY	MICROBIOLOGY	-----	-----
6	<b>MATHEMATICS</b>	STATISTICS	PHYSICS	ECONOMICS	-----	-----
7	<b>STATISTICS</b>	MATHEMATICS	PHYSICS	ECONOMICS	-----	-----

### ii) PROGRAM STRUCTURE

Sr. No.	CLASS	SEMESTER I	SEMESTER II
1	FYBSc	1. Major Subject 2. Minor Subject 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Co-curricular (CC)-Induction	1. Major Subject 2. Minor Subject 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course (VEC) 8. Indian Knowledge System(IKS)
		Total credits=22	Total credits=22



## (2)SYBSc SUBJECTS OFFERED

Sr. No.	CLASS	SEMESTER III	SEMESTER IV
2	SYBSc	1. Major Subject Paper I 2. Major Subject Paper II 3. Minor Subject 4. Open Elective(OE) 5. Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)-Modern Indian Language(Hindi/Marathi) 7. Co-curricular (CC) 8. OJT/FP/CEP/RP	1. Major Subject Paper I 2. Major Subject Paper II 3. Minor subject 4. Open Elective(OE) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC) -Modern Indian Language(Hindi/Marathi) 7. Co-curricular (CC) 8. OJT/FP/CEP/RP
		Total credits=22	Total credits=22

## (3)TYBSc SUBJECTS OFFERED

Sr. No.	CLASS	SEMESTER V	SEMESTER VI
3	TYBSc	<ul style="list-style-type: none"> <li>• Major Paper I</li> <li>• Major Paper II</li> <li>• Major Paper III</li> <li>• Major Elective I</li> </ul> OR <ul style="list-style-type: none"> <li>• Major Elective II</li> <li>• Vocational Skill Course (VSC)</li> <li>• On Job Training (OJT)</li> </ul>	<ul style="list-style-type: none"> <li>• Major Paper I</li> <li>• Major Paper II</li> <li>• Major Paper III</li> <li>• Major Elective I</li> </ul> OR <ul style="list-style-type: none"> <li>• Major Elective II</li> <li>• Minor Paper</li> <li>• Co-curricular Course (CC)</li> <li>• Field project (FP)</li> </ul>



## (1) FYBCom SUBJECTS OFFERED

Sr. No.	CLASS	SEMESTER I	SEMESTER II
1	FYBCom	1. Major Subject 2. Minor Subject 3. Open Elective(OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Co-curricular (CC)-Induction	1. Major Subject 2. Minor Subject 3. Open Elective (OE) 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course (VEC) 8. Indian Knowledge System(IKS)

## (2) SYBCom SUBJECTS OFFERED

Sr. No.	CLASS	SEMESTER III	SEMESTER IV
2	SYBCom	1. Major Subject Paper I 2. Major Subject Paper II 3. Minor Subject 4. Open Elective(OE) 5. Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)-Modern Indian Language (Hindi/Marathi) 7. Co-curricular (CC) 8. OJT/FP/CEP/RP	1. Major Subject Paper I 2. Major Subject Paper II 3. Minor subject 4. Open Elective(OE) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC) -Modern Indian Language (Hindi/Marathi) 7. Co-curricular (CC) 8. OJT/FP/CEP/RP

## (3) TYBCom SUBJECTS OFFERED

Sr. No.	CLASS	SEMESTER V	SEMESTER VI
3	TYBCom	<ul style="list-style-type: none"> <li>• Major Paper I</li> <li>• Major Paper II</li> <li>• Major Paper III</li> <li>• Major Elective I OR Major Elective II</li> <li>• Vocational Skill Course (VSC)</li> <li>• On Job Training (OJT)</li> </ul>	<ul style="list-style-type: none"> <li>• Major Paper I</li> <li>• Major Paper II</li> <li>• Major Paper III</li> <li>• Major Elective I OR Major Elective II</li> <li>• Minor Paper</li> <li>• Co-curricular Course (CC)</li> <li>• Field project (FP)</li> </ul>



# Basket of Open Electives for FY Students

Sr. No.	Department	Name of the Open Elective (Semester – I)	Name of the Open Elective (Semester – II)
1	English	Technical Communication Skills in English – I	Soft Skills for Career Development in English
2	Hindi	Introduction of Hindi language and literature; Samanya Hindi bhasha aur	Nature and environment in Hindi literature: Prakriti aur Paryavaran
3	History	Heritage Tourism in Mumbai	Evolution of Audio-Visual Media.
4	Economics	Indian Economy	Economics & Global Crisis
5	Marathi	Introduction to Marathi language with voice modulation- Marathi Bhasha Parichay ani Swar Niyaman	Study related Skill - Adhyayan Vishayak Kaushalya
6	Philosophy	Effective arguments and decision making	Logic for competitive exams
7	BAMMC	Introduction to New Media	Fundamentals of Mass Communication
8	Commerce	Fundamentals of Banking	Fundamentals of Insurance
9	Commerce	Fundamentals of Investment	Business Startups
10	BAF	Personal Financial Planning	Portfolio Management
11	BBI	Fundamentals of Banking	Technology in Banking and Insurance
12	BFM	Overview of Financial Markets	International Finance
13	BMS	Entrepreneurship	Event management
14	Botany	Nature and Naturals	Urban Gardening
15	Chemistry	Applications of Chemistry in Everyday Life - 1	Applications of Chemistry in Everyday Life-2
16	Mathematics	Quantitative Aptitude -1	Quantitative Aptitude - 2
17	Microbiology	Microbes at work	Microbes in Public Health
18	Physics	Physics for all: Physics applied in daily life	Unconventional & renewable energy resources
19	Zoology	Amazing animals	Animal behaviour
20	Biotechnology	Nutritional Science - I	Nutritional Science - II
21	Computer Science	Introduction to C Programming	Fundamentals of Web Designing
22	Information Technology	Introduction to Cyber Security	Introduction to Artificial Intelligence



# Basket of Open Electives for SY Students

Sr. No.		Department	Name of the Open Elective (Semester – III)	Name of the Open Elective (Semester – IV)
1	ARTS	English	English for Competitive Exams	English for Scholarships Abroad
2		Hindi	Hindi Song Tradition and Hindi Cinema	Hindi Novel and Hindi Cinema
3		History	Evolution of Communication	Indian Reformation: Ancient to Modern.
4		Economics	Elementary Use of Economics in Understanding Global Crisis	Elementary Use of Economics in Understanding Global Crisis
5		Marathi	साहित्यप्रकाराचा अभ्यास - कथा	साहित्यप्रकाराचा अभ्यास - व्यक्तिचित्रण
6		Philosophy	Dynamics of Religion-I	Dynamics of Religion-II
7	COMMERCE	Commerce	Introduction to Capital Markets	Introduction to IPR
9	SCIENCE	Botany	Gardening,landscaping & post harvest technology	Care & maintenance of household plants.
10		Chemistry	Pollution and Environmental concerns.	Essentials of food and flavours.
11		Mathematics	Maths and Stats for Managers	Planning in Business with Maths and Stats.
12		Microbiology	Microbial Infection and immunity	Microbial Ecology
13		Physics	Astronomy and Sports Science	Physics in day-to-day life
14		Zoology	Care of pet animals & Human health I	Pollution & Human health II
15	UNAIDED DEPTS	BAMMC	Foundations of advertising	Integrated marketing communication
16		BAF	Introduction to financial markets I	Introduction to financial markets II
17		BBI		
18		BFM		
19		BMS	Business policy and strategy	Strategic Analysis models and tools
20		Biotechnology	Human health and Diseases - I	Human health and Diseases -II
21		Computer Science	Scientific Programming-I	Scientific Programming-II
22		Information Technology	Introduction to Networking	Introduction to Image Processing



# COURSES OFFERED: SELF-FINANCED

## 1. BAMMC

Sr. No.	CLASS	SUBJECTS	SUBJECTS
1	FYBA (MMC)	<p style="text-align: center;"><b>Semester - I</b></p> <p>1. Major-Fundamentals of Mass Communication 2. Minor--Fundamentals of Marketing 3. OE-Introduction to new media technology 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Co-curricular (CC)-Induction</p>	<p style="text-align: center;"><b>Semester - II</b></p> <p>1. Major-Media studies 2. Minor--Integrated Marketing Communications 3. OE-Social media marketing 4. Vocational Skill Course (VSC) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-English 7. Value Education Course(VEC) 8. Indian Knowledge System (IKS)</p>
2	SYBA (MMC)	<p style="text-align: center;"><b>Semester - III</b></p> <p>1. Major- Introduction to Journalism Paper-I 2. Major- Introduction to Advertising Paper II 3. Minor- Film Communication 4. Open Elective(OE) 4). Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP</p>	<p style="text-align: center;"><b>Semester - IV</b></p> <p>1. Major- Legal Aspects in Media Paper-I 2. Major- Campaign planning and Story boarding Paper II 3. Minor- Photography 4. Open Elective(OE) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP</p>
3	TYBA (MMC)	<p style="text-align: center;"><b>Semester - V</b></p> <p>1. Major-Paper-I Brand Building &amp; Strategy 2. Major-Paper-II Consumer Psychology &amp; Behavioral Analytics 3. Major- Paper- III Strategic Media Planning and Buying 4. Electives: a. Ad Design and Visualization b. Multimedia Storytelling and Documentary Journalism 5. Vocational Skill Course (VSC) Experiential Marketing &amp; Consumer Engagement 6. OJT- On Job Training</p>	<p style="text-align: center;"><b>Semester - VI</b></p> <p>1. Major-Paper-I Digital Media Strategy and Audience Engagement 2. Major-Paper-II Media Business Entrepreneurship 3. Major- Paper- III Copywriting for Media 4. Electives: a. Social Impact Advertising and Advocacy b. Broadcast and Convergence Journalism 5. Minor- Paper Crisis Communication and Reputation Management 6. Co-Curricular Course (CC) 7. Community Engagement (CEP)</p>



## 2. B. Com Management Studies(MS)

Sr. No.	CLASS	SUBJECTS	SUBJECTS
1	FYBCom MS	<p><b>Semester - I</b></p> <p>1. Major - Fundamentals of Management 2. Minor - Business Environment 3. Open elective (OE)-Entrepreneurship 4. Vocational Skill Course (VSC)-Office Management &amp; Secretarial Practice 5. Skill Enhancement Course (SEC)-Introduction to Financial Accounts 6. Ability Enhancement Course (AEC)-COMMUNICATION SKILLS IN ENGLISH I 7. Value Education Course (VEC)-Corporate Social Responsibility 8. Credit Course (CC)</p>	<p><b>Semester - II</b></p> <p>1. Major - Foundation of Human Skills 2. Minor - Micro Economics 3. Open elective (OE)-Introduction to Human Resource Management 4. Vocational Skill Course (VSC)-Office Management &amp; Secretarial Practice-II 5. Skill Enhancement Course (SEC)-Introduction to Cost Accounting 6. Ability Enhancement Course (AEC)-Communication Skills in English II 7. Value Education Course (VEC)-Environmental Management 8. Indian Knowledge System (IKS)</p>
2	SYBCom MS	<p><b>Semester - III</b></p> <p>1. Major-I Business Research Methods 2. Major I E-Commerce and Digital Marketing 3. Minor - Macro Economics 4. Open elective (OE)-Business Policy &amp; Strategy 5. Vocational Skill Course (VSC)-Motivation and Leadership Skills 6. Ability Enhancement Course (AEC)-Hindi/Marathi 7. Co-curricular (CC) 8. On Job Training (OJT)/ Field project (FP)/Research project (RP)/ Community engagement &amp; service (CEP)</p>	<p><b>Semester - IV</b></p> <p>1. Major Marketing Management 2. Major I Human Resource Management 3. Minor - International Economics 4. Open Elective (OE)-Strategic Analysis Models &amp; Tools 5. Skill Enhancement Course (SEC)-Corporate Communication &amp; PR skills 6. Ability Enhancement Course (AEC)-Hindi/Marathi 7. Co-curricular (CC) 8. On Job Training (OJT)/ Field project (FP)/Research project (RP)/ Community engagement &amp; service (CEP)</p>
3	TYBCom MS	<p><b>Semester - V</b></p> <p>1. Major Accounting for Managerial Decision 2. Major I Strategic Management 3. Major - -III Productivity &amp; Total Quality Management 4. Electives: 5. Marketing Elective-Sales &amp; Distribution 6. Finance Elective-Wealth Management 7. Vocational Skill Course (VSC)-Logistics &amp; Supply Chain Management 8. On Job Training (OJT)/ Field project (FP)/Research project (RP)/ Community engagement &amp; service (CEP)</p>	<p><b>Semester - VI</b></p> <p>1. Major Entrepreneurship 2. Major I Operation Research 3. Major - -III Legal Aspects in Business 4. Minor -- I Management Information System 5. Electives: 6. Marketing Elective-Consumer Behaviour 7. Finance Elective -Taxation 8. Co-curricular (CC) 9. On job training (OJT)/ Field project (FP)/Research project (RP)/ Community engagement &amp; service (CEP)</p>



### 3. BMS (AICTE)

Sr. No.	CLASS	SUBJECTS	SUBJECTS
1	FYBMS	<p><b>Semester - I</b></p> <p>1. Principles and Practices of Management  2. Business Communication-I  3. Financial accounting  4. Business Statistics and Logic  5. General English  6. Indian Knowledge System  7. Environmental Science and sustainability  8. Hindi Language Skills</p>	<p><b>Semester - II</b></p> <p>1. Human Behaviour and Organization  2. Marketing Management  3. Business Economics  4. Emerging Technologies and application  5. Media Literacy and Critical Thinking  6. Indian Constitution  7. Business Communication-II  8. Hindi Translation Skills</p>
2	SYBMS	<p><b>Semester - III</b></p> <p>1. Cost and Management Accounting  2. Legal and Ethical issues in business  3. Human Resource Management  4. Indian Systems of Health and Wellness  5. SEC-Management Information System (MIS)  6. VAC-  Yoga/Sports/NCC/NSS/Disaster Management</p>	<p><b>Semester - IV</b></p> <p>1. Entrepreneurship and Startup Ecosystem  2. Operations Management  3. Financial Management  4. Business Research methodology  5. Business environment and public policy [2-0-0]</p> <p>OR</p> <p>Enterprise System and platforms [0-1-2]</p> <p>OR</p> <p>Geo Politics and impact on business [2-0-0]</p> <p>OR</p> <p>Public Health and management [2-0-0]</p> <p>6. International Business</p> <p>7. Design Thinking and Innovation</p>

### 4. Bachelor of Business Administration-BBA (AICTE)

Sr. No.	CLASS	Semester - I	Semester - II
1	FYBBA	<p><b>Semester - I</b></p> <p>1. Business Communication-I  2. Financial accounting  3. Business Statistics and Logic  4. General English  5. Indian Knowledge System  6. Environmental Science and Sustainability  7. Foreign Language (German/French)</p>	<p><b>Semester - II</b></p> <p>1. Human Behaviour and Organization  2. Marketing Management  3. Business Economics  4. Emerging Technologies and application  5. Media Literacy and Critical Thinking  6. Indian Constitution  7. Business Communication-II  8. Foreign Language (German/French)</p>



## 5. BCom Banking & Insurance (BBI)

1	FYBBI	<p style="text-align: center;"><b>Semester - I</b></p> <p>1. Major Environment and Management of Financial Services  2. Minor Financial Accounting - I  3. VSC-Business Economics  4. SEC-Quantitative Methods -I  5. VEC-Principles of Management  6. AEC-Communication Skills in English-I  7. OE1-Nutritional Science - I  8. OE2-Introduction to Computer Programming (C-Mastermind)  9. Induction</p>	<p style="text-align: center;"><b>Semester - II</b></p> <p>1. Major Principles and Practices of Banking &amp; Insurance  2. Minor Financial Accounting - II  3. VSC-Pricing Practices and Investment Analysis  4. SEC-Quantitative Methods -II  5. VEC-Foundation of Law  6. AEC-Communication Skills in English-II  7. OE1-Nutritional Science -II  8. OE2-Introduction to Computer Programming (C-Mastermind)-II  9. IKS-Indian Knowledge System</p>
2	SYBBI	<p style="text-align: center;"><b>Semester - III</b></p> <p>1. Major-I Overview of Banking Sector  2. Major-II Environment and Management of Financial Services  3. Minor-Cost &amp; Management Accounting -I  4. VSC-Fundamentals of Law (Corporate &amp; Securities Law)  5. AEC-Hindi / Marathi - I  6. OE-Human Health and Diseases-I  7. Co-Curricular  8. Field Project</p>	<p style="text-align: center;"><b>Semester - IV</b></p> <p>1. Major-I Overview of Insurance Sector  2. Major-II Tech Synergy in Banking &amp; Insurance Operations  3. Minor-Cost &amp; Management Accounting -II  4. VSC-Entrepreneurship Skill Development  5. AEC-Hindi / Marathi - II  6. OE-Human Health and Diseases-II  7. Co-Curricular  8. Community Engagement Programme (CEP)</p>
3	TYBBI	<p style="text-align: center;"><b>Semester - V</b></p> <p>1. Major - I International Banking &amp; Finance  2. Major - II Banking and Insurance Auditing- I (Principles and Practices)  3. Major- III Risk Management in Banking &amp; Insurance  4. Elective- Financial Services Management  5. VSC- Marketing in Banking &amp; Insurance  6. On Job Training (OJT)</p>	<p style="text-align: center;"><b>Semester - VI</b></p> <p>1. Major - I Central Banking  2. Major - II Banking and Insurance Auditing- II (Trends &amp; Ethics)  3. Major- III Global Business and Trade Integration  4. Elective- Mutual Fund Management  5. Minor Indirect Taxation  6. Co-Curricular (CC) Field Project</p>



## 6. BCom Accounting & Finance(BAF)

1	<b>FYBCom (Accounting &amp; Finance)</b>	<p style="text-align: center;"><b>Semester - I</b></p> <p>1. Major-Introduction to financial system 2. Minor-Financial Accounting -1 3. VSC-Busniess Economics 4. SEC-Busniess mathematics 5. AEC-Communication skills in English 6. VEC-Business Environment 7. CC-Induction 8. OE1-Nuritional Science-1 9. OE2-Introduction to computer programming</p>	<p style="text-align: center;"><b>Semester - II</b></p> <p>1. Major-Innovative financial services 2. Minor-Financial Accounting I 3. Indian Knowledge System- IKS 4. VSC-Principles of Management 5. SEC-Business Statistics 6. AEC-communication skills Hindi/Marathi 7. VEC-Environmental science II 8. OE1-Nuritional Science-II 9. OE2-Introduction to computer programming II</p>
2	<b>SYBCom (Accounting &amp; Finance)</b>	<p style="text-align: center;"><b>Semester - III</b></p> <p>1. Major Subject 1-Financial Accounting paper III 2. Major Subject 2 -Cost and Management accounting 3. Minor- Direct Tax-I 4. Open Elective(OE) 5. Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP</p>	<p style="text-align: center;"><b>Semester - IV</b></p> <p>1. Major Subject 1-Financial Accounting paper III 2. Major Subject 2 -Cost and Management accounting 3. Minor- Direct Tax-I 4. Open Elective(OE) 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8. OJT/FP/CEP/RP</p>
3	<b>TYBCom (Accounting &amp; Finance)</b>	<p style="text-align: center;"><b>Semester - V</b></p> <p>1. Major-I Financial Accounting -V 2. Major-II Financial Accounting -VI 3. Major-III Financial Management- III 4. Elective:Integrated Business Management and financial practices 5. VSC-Costing paper III 6. On Job Training-OJT</p>	<p style="text-align: center;"><b>Semester - VI</b></p> <p>1. Major-I Financial Accounting -VII 2. Major-II Indirect Taxation (GST) 3. Major-III Advance Financial Management-I 4. Elective: International finance 5. Minor-Auditing-II 6. Credit Course-CC 7. Field Project-FP</p>



## 6. BCom Financial Markets (BFM)

1	<b>FYBCom (Financial Markets)</b>	<p style="text-align: center;"><b>Semester - I</b></p> <p>1. Major-ntroduction to financial system 2. Minor-Financial Accounting -1 3. VSC-Busniess Economics 4. SEC-Busniess mathematics 5. AEC-communication skills in English 6. VEC-Business Environment 7. CC-Induction 8.OE1-Nuritional Science-1 9.OE2-Introduction to computer programming</p>	<p style="text-align: center;"><b>Semester - II</b></p> <p>1. Major-Innovative financial services 2. Minor-Financial Accounting I 3. IKS-IKS 4. VSC-Principles of Management 5. SEC-Business Statistics 6. AEC-communication skills Hindi/Marathi 7. VEC-Environmental science II 8.OE1-Nuritional Science-II 9.OE2-Introduction to computer programming II</p>
2	<b>SYBCom (Financial Markets)</b>	<p style="text-align: center;"><b>Semester - III</b></p> <p>1. Major 1 -Commodity Market 2. Major 2 -Debt Market 3. Minor -Introduction to capital and money Market 4. VSC -Equity and primary Market 5. AEC -Hindi / Marathi -I 6. OE -Human Health Disease I 7. Credit Course-CC 8. Field Project-FP</p>	<p style="text-align: center;"><b>Semester - IV</b></p> <p>1. Major - Foreign Exchange Market 2. Major - corporate Finance 3. Minor - Business Economics II 4. SEC - Equity secondry Market 5. AEC - Hindi / Marathi 6. OE - Human Health Disease II 7. CEP - Community Engagement Program 8. Credit Course-CC</p>
3	<b>TYBCom (Financial Markets)</b>	<p style="text-align: center;"><b>Semester - V</b></p> <p>1. Major-Financial derivatives 2. Major-Corporate Accounting 3. Major-Marketing and Managing Services in the financial Industry 4. Elective-Behaviour Dynamics in financial Organization 5. VSC-Taxation 6. On Job Training OJT</p>	<p style="text-align: center;"><b>Semester - VI</b></p> <p>1. Major-Security Analysis and Portfolio Management 2. Major-Investment Strategies for Startups and Private Equity 3. Major-Mutual fund Management 4. Elective-Business Valuation and Financial Decision Making 5. Minor-Technical Analysis 6. Field Project-FP 7. Credit Course-CC</p>



## 7. BSc Computer Science (CS)

1	FYBSc Computer Science	<b>Semester - I</b> Major-Digital Systems and Architecture Minor- Fundamentals of DBMS OE-I Personal Financial Planning I OE-II Overview of Banking I VSC-Linux Operating System SEC-Python Programming I AEC-Communication Skills in English I VEC-Discrete Mathematics Co-curricular (CC)	<b>Semester - II</b> Major- Design & Analysis of Algorithms Minor -Introduction to OOPs using C++ OE-I Personal Financial Planning II OE-II Overview of Banking II VSC-E-Commerce & Digital Marketing SEC-Statistics with R Programming AEC-Communication Skills in English II VEC-Digital Empowerment IKS-Indian Knowledge System
2	SYBSc Computer Science	<b>Semester - III</b> 1. Major-Operating System 2. Major-Core Java 3. Minor-Web Technologies 4) OE- Scientific Programming-I 5. Vocational Skill Course (VSC) 6. Ability Enhancement Course (AEC)-Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8.OJT/FP/CEP/RP	<b>Semester - IV</b> 1. Major-Theory of Computation 2. Major-Web Programming with Java 3. Minor-Python Programming I 4. OE-Scientific Programming-II 5. Skill Enhancement Course (SEC) 6. Ability Enhancement Course (AEC)-Modern Indian Languages Hindi/Marathi 7. Co-curricular (CC) 8.OJT/FP/CEP/RP
3	TYBSc Computer Science	<b>Semester - V</b> 1. Major-Paper-I Artificial Intelligence 2. Major-Paper-II Information and Network Security 3. Major- Paper- III Linux Server Administration 4. Electives 5. Cyber Forensics 6. Architecting of IoT 7. Vocational Skill Course (VSC)- Software Engineering & Testing 8. OJT- On Job Training	<b>Semester - VI</b> 1. Major Paper-I Data Science 2. Major Paper-II Cloud Computing 3. Major Paper-III Wireless and Sensor Networks 4. Electives: 5. Ethical Hacking 6. Information Retrieval 7. Minor-Computer Networks 8. Co-curricular Course-CC 9. Field project-FP



## 8. BSc Information Technology (IT)

1	FYBSc IT	<b>Semester - I</b> <ol style="list-style-type: none"> <li>1. Major-Object Oriented Design and Programming in C++</li> <li>2. Minor-Fundamentals of Database Management Systems</li> <li>3. OE-I Personal Financial Planning I</li> <li>4. OE-II Overview of Banking I</li> <li>5. VSC-Digital Systems and Microprocessor Fundamentals</li> <li>6. SEC-Office Tools for Data Management</li> <li>7. AEC-Communication Skills in English I</li> <li>8. VEC-Netiquette</li> <li>9. Co-curricular-CC Induction</li> </ol>	<b>Semester - II</b> <ol style="list-style-type: none"> <li>1. Major-Applied Python Programming</li> <li>2. Minor-OS and System Programming</li> <li>3. OE-I Personal Financial Planning II</li> <li>4. OE-II Overview of Banking II</li> <li>5. VSC-Data Handling with PL/SQL and R</li> <li>6. SEC-Fundamentals of Web Development</li> <li>7. AEC-Communication Skills in English II</li> <li>8. VEC-Green Computing</li> <li>9. IKS-Indian Knowledge System</li> </ol>
2	SYBSc IT	<b>Semester - III</b> <ol style="list-style-type: none"> <li>1. Major-Python Programming</li> <li>2. Major-Computer Network</li> <li>3. Minor-Data Structure</li> <li>4. OE- Introduction to Networking</li> <li>5. Vocational Skill Course (VSC)</li> <li>6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi</li> <li>7. Co-curricular (CC)</li> <li>8. OJT/FP/CEP/RP</li> </ol>	<b>Semester - IV</b> <ol style="list-style-type: none"> <li>1. Major-Core Java</li> <li>2. Major-Computer Graphics and Animation</li> <li>3. Minor-Introduction to Embedded System</li> <li>4. OE-Introduction to Image Processing</li> <li>5. Skill Enhancement Course (SEC)</li> <li>6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi</li> <li>7. Co-curricular (CC)</li> <li>8. OJT/FP/CEP/RP</li> </ol>
3	TYBSc IT	<b>Semester - V</b> <ol style="list-style-type: none"> <li>1. Major-I Software Project Management &amp; Testing</li> <li>2. Major-II Advanced Web Development with ASP.NET</li> <li>3. Major-III Artificial Intelligence</li> <li>4. Elective <ul style="list-style-type: none"> <li>a. Next Generation Databases</li> <li>b. Enterprise Java</li> </ul> </li> <li>5. Vocational Skill Course (VSC)-App Development &amp; Cloud</li> <li>6. Database</li> <li>7. OJT- On Job Training</li> </ol>	<b>Semester - VI</b> <ol style="list-style-type: none"> <li>1. Major-I: Cryptography and Network Security</li> <li>2. Major-II: Geospatial Technologies and Applications</li> <li>3. Major-III: Visual Processing</li> <li>4. Elective: <ul style="list-style-type: none"> <li>a. Internet of Things</li> <li>b. Enterprise Networking</li> </ul> </li> <li>5. Minor- Linux System Administration</li> <li>6. Co-curricular Course (CC)</li> <li>7. Field project (FP)</li> </ol>



NEW  
COURSE

## 9. B.Sc. in Artificial Intelligence & Machine Learning (AI & ML)

		Semester - I	Semester - II
1	FYBSc AI & ML	1. Major-Fundamentals of Python Programming 2. Minor-Discrete Mathematics 3. OE-Introduction to Digital Marketing 4. VSC-Introduction to Database 5. SEC-Digital Logic System and Design 6. AEC-Basic of Communication Skills 7. VEC-Ethics of AI	1. Major-Fundamentals of Artificial Intelligence 2. Minor-Fundamentals of Statistics 3. OE-Fundamentals of Cyber Security 4. VSC-NoSQL Databases and Applications 5. SEC-Data Structures 6. AEC-Communication Skills 7. VEC-Sustainable AI

NEW  
COURSE

## 10. Bachelor in Computer Applications (BCA)

		Semester - I	Semester - II
1	FYBCA	1. Mathematics Foundations to Computer Science - I 2. Problem Solving Techniques 3. Computer Architecture 4. General English - I 5. Indian Knowledge System 6. Environmental Science and sustainability 7. Additional Course - Indian or Foreign Language Other than Mother Tongue and English (optional course)	1. Mathematics Foundations to Computer Science - II 2. Data Structures 3. Operating Systems 4. Object Oriented Programming using Java 5. Web Technologies 6. Indian Constitution 7. Additional Course - Indian or Foreign Language Other than Mother Tongue and English (optional course)



## II. B.Sc Biotechnology

1	<b>F.Y. B.Sc Biotechnology</b>	<p style="text-align: center;"><b>Semester - I</b></p> <p>1. Major -Fundamental of Biotechnology          2. Minor -Microbial Biotechnology          3. Electives 1:Nutritional Science-I (To opt Arts/Commerce OE)          4. VSC-Practical Concepts in Chemistry          5. SEC-Microbial Techniques          6. Ability Enhancement Skill(AEC)          7. Value Education Course(VEC)- Environmental Science I          8. Co-curricular (CC)</p>	<p style="text-align: center;"><b>Semester - II</b></p> <p>1. Major -Fundamental Genetics          2. Minor -Fundamentals of Molecular Biology and Immunology          3. Open Elective I-Nutritional Science-II(To opt Arts/Commerce OE)          4. Open Elective II-(To opt Arts/Commerce OE)          5. VSC-Soil and water analysis.          6. Skill Enhancement Course (SEC)- Basics of Biochemistry and Biostatistics          7. Ability Enhancement Skill (AEC)          8. Value Education Course (VEC)- Environmental Science II          9. Indian Knowledge System (IKS)</p>
2	<b>S.Y. B.Sc Biotechnology</b>	<p style="text-align: center;"><b>Semester - III</b></p> <p>1. Major-Immunology and Cytogenetics          2. Major-Molecular Biology and Cell Biology          3. Minor-Instrumentation and Applied Chemistry          4. Open Elective(OE)          5. Vocational Skill Course (VSC)          6. Ability Enhancement Course (AEC)- Modern Indian Languages Hindi/Marathi          7. Co-curricular (CC)          8.OJT/FP/CEP/RP</p>	<p style="text-align: center;"><b>Semester - IV</b></p> <p>1. Major-Medical microbiology          2. Major-Biochemistry, Biostatistics and Bioinformatics          3. Minor-Applied Chemistry and Instrumentation          4. OE-Human health and Diseases          5. Skill Enhancement Course (SEC)          6. Ability Enhancement Course (AEC)-Modern Indian Languages Hindi/Marathi          7. Co-curricular (CC)          8. OJT/FP/CEP/RP</p>
3	<b>T.Y. B.Sc Biotechnology</b>	<p style="text-align: center;"><b>Semester - V</b></p> <p>1. Major-Paper-I Cell biology          2. Major-Paper-II Medical microbiology and instrumentation          3. Major- Paper- III (Genomes and molecular biology)          4. Elective Paper              a. Marine Biotechnology              b. Food Biotechnology and Biosafety          5. Vocational Skill Course (VSC)          6.OJT- On Job Training</p>	<p style="text-align: center;"><b>Semester - VI</b></p> <p>1. Major Paper-I (Biochemistry)          2. Major Paper-II (Industrial Biotechnology)          3. Major Paper- III (Environmental Biotechnology)          4. Elective Paper              a. Plant and Animal Tissue Culture              b. Agriculture Biotechnology          5. Minor-Bioinformatics          6. Co-curricular Course-CC          7. Field project-FP</p>



## 12. Five Year Integrated Bio-analytical Sciences

14	F.Y.I.C Bio-analytical Sciences	<b>Semester - I</b>	<b>Semester - II</b>
		1. Bioanalytical Sciences-I 2. Pharmaceutical Sciences-I 3. Chemical Sciences-I 4. AEC 5. SEC 6. VEC 7. VSC 8. CC	1. Bioanalytical Sciences-II 2. Pharmaceutical Sciences-II 3. Chemical Sciences-II 4. VEC 5. SEC 6. OE 7. VSC 8. IKS
15	S.Y.I.C Bio-analytical Sciences	<b>Semester - III</b>	<b>Semester - IV</b>
		1. Financial management / Disaster Management 2. Biological Sciences III & IV 3. Chemical Sciences III & IV 4. Computational Sciences III & IV	1. Financial management / Disaster Management 2. Biological Sciences III & IV 3. Chemical Sciences III & IV 4. Computational Sciences III & IV
16	T.Y.I.C Bio-analytical Sciences	<b>Semester - V</b>	<b>Semester - VI</b>
		1. Bioanalysis in Drug development 2. Bioanalytical Techniques for surface and thermal analysis 3. Elective (Major)-Bioinformatics I 4. Pharmaceutical Sciences (Major 2) 5. VSC 6. On-Job-Training (OJT)	1. Bioanalysis in Forensics Major 1 2. Characterization techniques in bioanalysis 3. Advanced Bioanalytical Techniques 4. Elective (Major) 5. Elective (Major) 6. CC (Centralized) 7. FP (Research project-based exposure)
17	5Y Integrated PG	<b>Semester - VII</b>	<b>Semester - VIII</b>
		1)Paper 1: Formulation development, Stability Studies, and QA/QC 2) Paper 2: Biopharmaceuticals and Omics 3)Paper 3: Toxicology(Elective) 4)Paper 4: Research Methodology	1)Paper 1: Bioanalysis in Food industry 2)Paper 2: Method Development,Validation, and Regulations in Bioanalytical research 3)Paper 3: Clinical Research(Elective) 4)Paper 4: On-Job-Training
18	5Y Integrated PG	<b>Semester - IX</b>	<b>Semester - X</b>
		1. ASU and Food Management 2. Clinical Research and Good Practices 3. Research Methodology and Hyphenated Bio-analytical Techniques	1. ASU and Food Management 2. Clinical Research and Good Practices 3. Research Methodology and Hyphenated Bio-analytical Techniques



# **Post Graduate Programmes**

**M.A. / M.Sc / M.Com.**

**Qualifying Examination required: B.A. / B.Sc. / B.Com. of the University of Mumbai or any other recognized University. Eligibility criteria as per university norms**

## **1. M.A. is offered in the following subjects**

- Hindi

## **2. M.Sc. is offered in the following subjects:**

1. Information Technology –Papers
2. Information Technology and Cyber Security –Papers
3. Computer Science –Papers
4. Big Data Analytics-Papers
5. Biotechnology – Papers
6. Bio-analytical Sciences – Paper & Research
7. Bioinformatics –Papers
8. Nutraceuticals –Papers
9. Physical Chemistry - Papers & Research
10. Inorganic Chemistry - Papers & Research
11. Organic Chemistry - Papers & Research
12. Analytical Chemistry - Papers & Research
13. Physics - Microprocessors & Computers-Papers & Research
14. Microbiology - Papers & Research
15. Botany – Papers
16. Zoology – Papers & Research

## **3. M.Com.**

1. Advanced Accountancy By Paper
2. Business Management By Paper



# Master of Arts

Sr. No.	Class	Subjects	Subjects
1	M.A. Part - I Hindi	<p><b>Semester - I</b></p> <p>1. <b>Paper I</b>-हिन्दी साहित्य का इतिहास(History of Hindi Literature )</p> <p>2. <b>Paper II</b>-काव्यशास्त्र और साहित्यालोचना(Poetics and Literary criticism)</p> <p>3. <b>Paper III</b>- हिंदी भाषा एवं भाषा विज्ञान(Language and Linguistics)</p> <p>4. <b>Paper IV</b>- Literature Review (साहित्य समीक्षा)</p> <p>5. <b>Paper V</b>-Research Methodology</p>	<p><b>Semester - II</b></p> <p>1. <b>Paper I</b>-Title:हिन्दी साहित्य का इतिहास-आधुतनक काल(History of Hindi literature -Modern age)</p> <p>2. <b>Paper II</b>-काव्यशास्त्र और साहित्यालोचना (Poetics and Literary criticism)</p> <p>3. <b>Paper III</b>-Language and Linguistics हिंदी भाषा औं भाषा विज्ञा</p> <p>4. <b>Literature Review</b> (साहित्य समीक्षा)</p> <p>5. <b>Paper V</b>-On Job training</p>
2	M.A. Part - II Hindi	<p><b>Semester - III</b></p> <p>1. <b>Paper VI</b>-Modern Hindi Prose (आधुनिक हिन्दी गद्य)</p> <p>2. <b>Paper VII</b>-Various Discourse and Literature (विविध विमश)</p> <p>3. <b>Paper VIII</b>-Special study – Yashpal / Jainendra (यशपाल / जैनेन्द्र)</p> <p>4. <b>Paper IX</b>- Elective 1- Functional Hindi (प्रयोजनमूलक हिन्दी) Elective 2-Title: Literature and cinema (साहित्य और सिनेमा)</p> <p>5) <b>Paper X</b>-On job training (OJT)/ Field project (FP)/Research project (RP)</p>	<p><b>Semester - IV</b></p> <p>1. <b>Paper VI</b>-Modern Hindi Poetry (आधुनिक हिन्दी कविता)</p> <p>2. <b>Paper VII</b>-Folk Hindi Literature (लोक हिन्दी साहित्य)</p> <p>3. <b>Paper VIII</b>-Special study - Dharamveer and his Literature / Amrit laal Nagar</p> <p>4) <b>Paper IX</b>- Elective 1-Translation In Hindi (अनुवाद सिद्धांत और प्रयोग) Elective 2-Hindi Drama and Hindi Theatre (हिन्दी नाटक और हिन्दी रंगमंच)</p> <p>5) <b>Paper X</b>-On job training (OJT)/ Field project (FP)/Research project (RP)</p>
3	MSc Part-I IT	<p><b>Semester - I</b></p> <p>1. <b>Data Science</b></p> <p>2. <b>Soft Computing</b></p> <p>3. <b>Responsible and safe AI</b></p> <p>4. <b>Elective 1</b>-Cloud Computing OR Elective 2- Wireless Sensor Networks</p> <p>5. <b>Research methodology</b></p>	<p><b>Semester - II</b></p> <p>1. <b>Big Data Analytics</b></p> <p>2. <b>Micro-services Architecture</b></p> <p>3. <b>Visual Analytics</b></p> <p>4. <b>Elective 1</b>-Image Processing OR Elective 2- Modern Networking</p> <p>5. <b>On Job Training (OJT)</b></p>



# Master of Science

		<b>Semester - III</b>	<b>Semester - IV</b>
4	<b>M.Sc. Part-II IT</b>	<p><b>1. Advanced Machine Learning</b></p> <p><b>2. Cloud Management</b></p> <p><b>3. Elective 1- Computer Vision</b></p> <p><b>Elective 2-Security Breaches and Countermeasures</b></p> <p><b>4. Research project (RP)</b></p>	<p><b>1. Blockchain</b></p> <p><b>2. Natural Language Processing</b></p> <p><b>3. Elective 1- Deep Learning</b></p> <p><b>Elective 2- Remote Sensing</b></p> <p><b>4. Research project (RP)</b></p>
5	<b>M.Sc. Part-I Information &amp; Cyber Security</b>	<p><b>Semester - I</b></p> <p><b>1..Fundamentals of Cyber security</b></p> <p><b>2. Linux system Administration</b></p> <p><b>3. Free &amp; Open Source Software</b></p> <p><b>4. Elective 1-Fundamentals of networking</b></p> <p style="text-align: center;"><b>OR</b></p> <p><b>Elective 2 –Information Security &amp; cyber-Law</b></p> <p><b>5. Research methodology</b></p>	<p><b>Semester - II</b></p> <p><b>1. Big Data Analytics</b></p> <p><b>2. Microservices Architecture</b></p> <p><b>3. Cloud Computing &amp; Security</b></p> <p><b>4. Elective 1- Image Processing</b></p> <p style="text-align: center;"><b>OR</b></p> <p><b>Elective 2 -Modern Networking</b></p> <p><b>5. On Job Training (OJT)</b></p>
6	<b>M.Sc. Part-II Information &amp; Cyber Security</b>	<p><b>Semester - III</b></p> <p><b>1.Cyber Forensic Investigation</b></p> <p><b>2.Security Operations Center</b></p> <p><b>3.Elective 1- Information Systems Auditing</b></p> <p><b>Elective 2-Linux Security and Hardening</b></p> <p><b>4. Research project (RP)</b></p>	<p><b>Semester - IV</b></p> <p><b>1.Offensive Security using metasploit</b></p> <p><b>2.Open Source Intelligence</b></p> <p><b>3) Elective 1- Information Security Management</b></p> <p><b>Elective 2- Wireless Network Security</b></p> <p><b>4. Research project (RP)</b></p>



7	<b>M.Sc. Part-I Computer Science</b>	<b>Semester - I</b> <ol style="list-style-type: none"> <li>1. Algorithm for Optimization &amp; Software Defined Networking</li> <li>2. Applied Signal and Image Processing &amp; Advanced Database Techniques</li> <li>3. Compiler</li> <li>4. Elective 1-Data science technologies- I OR Elective 2-Data warehousing and Data Mining</li> <li>5. Research Methodology</li> </ol>	<b>Semester - II</b> <ol style="list-style-type: none"> <li>1. Applied Machine and Deep Learning &amp; Natural Language Processing</li> <li>2. Web Mining Embedded and IoT Technology</li> <li>3. Web Data Analytics</li> <li>4. Elective 1-Data science technologies – II OR Elective 2-Data Analysis and Data mining</li> <li>5. On job training</li> </ol>
8	<b>M.Sc. Part-II Computer Science</b>	<b>Semester - III</b> <ol style="list-style-type: none"> <li>1. Wireless Networking</li> <li>2. Cyber Security and Risk</li> <li>3. Elective 1-Advanced Computing (Web3 Technologies) OR Elective 2-Fuzzy Systems OR Elective 3-Bioinformatics and Computational Biology</li> <li>4. Research Project</li> </ol>	<b>Semester - IV</b> <ol style="list-style-type: none"> <li>1. Robotics</li> <li>2. Advanced Deep Learning</li> <li>3. Elective 1-Trends in Cloud Computing OR Elective 2- Simulation and Modelling OR Elective 3-GIS and Remote sensing</li> <li>4. Research Project</li> </ol>
9	<b>M.Sc. Part-I Big data Analytics</b>	<b>Semester - I</b> <ol style="list-style-type: none"> <li>1. Statistical methods, Linear algebra and Computing for Data Science</li> <li>2. Python for Data Analytics</li> <li>3. Sports Analytics</li> <li>4. Elective 1-Database Management OR Elective 2- Data or Data Analysis</li> <li>5. Research Methodology</li> </ol>	<b>Semester - II</b> <ol style="list-style-type: none"> <li>1. Advance statistical methods with time series</li> <li>2. Machine Learning</li> <li>3. HR Analytics</li> <li>4. Elective 1-Foundations of data science (programming for big data) OR Elective 2- Enabling Technologies for data science-I</li> <li>5. On job training</li> </ol>



10	<b>M.Sc. Part-II Big data Analytics</b>	<b>Semester - III</b> <ol style="list-style-type: none"> <li>1. <b>NOSQL Databases</b></li> <li>2. <b>Data Analytics with R</b></li> <li>3. <b>Elective1-Operating systems and visualization OR</b></li> <li>4. <b>Elective 2-Analytics of Things</b></li> <li>5. <b>Research Project</b></li> </ol>	<b>Semester - IV</b> <ol style="list-style-type: none"> <li>1. <b>Cloud Computing</b></li> <li>2. <b>Streaming data analytics</b></li> <li>3. <b>Elective 1-Domain Specific Predictive analytics OR</b></li> <li>4. <b>Elective 2-Text, Web and Social Media Analytics</b></li> <li>5. <b>Research Project</b></li> </ol>
11	<b>M.Sc. Part-I Biotechnology</b>	<b>Semester - I</b> <ol style="list-style-type: none"> <li>1. <b>Biochemistry and Immunology-I</b></li> <li>2. <b>Biophysics and Molecular Biology</b></li> <li>3. <b>Advanced genomics and proteomics in health</b></li> <li>4. <b>Elective-Molecular Biology</b></li> <li>5. <b>Biochemical and Biophysical Techniques</b></li> </ol>	<b>Semester - II</b> <ol style="list-style-type: none"> <li>1. <b>Biochemistry and Immunology - II</b></li> <li>2. <b>Bioprocess Technology and Biosafety</b></li> <li>3. <b>Plant and Animal Tissue Culture</b></li> <li>4. <b>Elective-Advanced Biotechnology - II</b></li> <li>5. <b>On job Training</b></li> </ol>
12	<b>M.Sc. Part-II Biotechnology</b>	<b>Semester-III</b> <ol style="list-style-type: none"> <li>1. <b>Biostatistics</b></li> <li>2. <b>Medical microbiology</b></li> <li>3. <b>Elective-Advanced Biotechnology-III (Nanobiotechnology)/</b></li> <li>4. <b>Research project</b></li> </ol>	<b>Semester-IV</b> <ol style="list-style-type: none"> <li>1. <b>GMO and environment</b></li> <li>2. <b>Bioinformatics</b></li> <li>3. <b>Elective-Advanced Biotechnology - IV (CLINICAL STUDIES)</b></li> <li>4. <b>Research project</b></li> </ol>



13	<b>M.Sc. Part-I Bio- analytical Sciences</b>	<b>Semester-I</b> <b>1. Medicinal Systems and Drug Regulations</b> <b>2. Bioanalytical techniques - I</b> <b>3. Cellular metabolism</b> <b>4. Elective 1-Drug Discovery and Development</b> <b>Elective 2- Environmental Sciences-I</b> <b>5. Research methodology</b>	<b>Semester-II</b> <b>1. Indian Pharmaceutical industry and Quality Management Systems.</b> <b>2. Bioanalytical techniques - II</b> <b>3. Cell culture techniques</b> <b>4. Elective 1-Drug Discovery and Development-II</b> <b>Elective 2-Environmental Sciences-II</b> <b>5. On Job Training (OJT)</b>
14	<b>M.Sc. Part-II Bio- analytical Sciences</b>	<b>Semester-III</b> <b>1. Packaging in Pharma, IPR- I, Standardization and regulations of ASU drugs and Regulatory issues</b> <b>2. Bioanalytical Techniques - III</b> <b>3. Drug Discovery and Development - III</b> <b>4. Research Project</b>	<b>Semester-IV</b> <b>1. EDM, IPR - II, AMV &amp; BMV, Regulatory Affairs of Drugs</b> <b>1. Bioanalytical Techniques - IV</b> <b>2. Drug Discovery and Development - IV</b> <b>3. Research Project</b>
15	<b>M.Sc. Part-I Bioinformatics</b>	<b>Semester-I</b> <b>1. Fundamental of Biology &amp; Bioinformatics</b> <b>2. Introduction to Programming Languages</b> <b>3. Elective-Bioinformatics and Sequence Analysis</b> <b>4. Research Methodology</b>	<b>Semester-II</b> <b>1. Advance Biology &amp; Structural Bioinformatics</b> <b>2. Java Programming, Introduction to Linux and Machine Learning</b> <b>3. Elective-Genomics &amp; Proteomics in Bioinformatics,</b> <b>4. On Job training</b>



16	<b>M.Sc.</b> <b>Part-II</b> <b>Bioinformatics</b>	<b>Semester-III</b> <ol style="list-style-type: none"> <li>1. <b>Biophysical techniques, IPR, Cheminformatics and Combinatorial chemistry</b></li> <li>2. <b>Python Programming language and Machine Learning in Bioinformatics</b></li> <li>3. <b>Immunoinformatic &amp; Drug Designing</b></li> <li>4. <b>Research project (RP)</b></li> </ol>	<b>Semester-IV</b> <ol style="list-style-type: none"> <li>1. <b>Drug Discovery, Clinical trial &amp; Mass Spectrometry</b></li> <li>2. <b>PERL and R Programming Language for bioinformatics</b></li> <li>3. <b>Molecular Docking, Simulation &amp; QSAR</b></li> <li>4. <b>Research project (RP)</b></li> </ol>
17	<b>M.Sc.</b> <b>Part-I</b> <b>Nutraceutical</b>	<b>Semester-I</b> <ol style="list-style-type: none"> <li>1. <b>Basic Principle of Food Chemistry &amp; Nutrition</b></li> <li>2. <b>Nutraceutical &amp; Functional Food</b></li> <li>3. <b>Elective Food Safety Laws &amp; Regulations</b></li> <li>4. <b>Research methodology</b></li> </ol>	<b>Semester-II</b> <ol style="list-style-type: none"> <li>1. <b>Food Microbiology &amp; New Product Development</b></li> <li>2. <b>Clinical Dietetics &amp; Nutrigenomics</b></li> <li>3. <b>Elective-Industrial Food Fermentation</b></li> <li>4. <b>On Job Training</b></li> </ol>
18	<b>M.Sc.</b> <b>Part-II</b> <b>Nutraceutical</b>	<b>Semester-III</b> <ol style="list-style-type: none"> <li>1. <b>Basic Principles of Food chemistry &amp; Nutrition</b></li> <li>2. <b>Nutraceuticals &amp; Functional Food</b></li> <li>3. <b>Food safety laws &amp; regulations</b></li> <li>4. <b>Research Project</b></li> </ol>	<b>Semester-IV</b> <ol style="list-style-type: none"> <li>1. <b>Food microbiology &amp; New product development</b></li> <li>2. <b>Clinical dietetics &amp; nutrigenomics</b></li> <li>3. <b>Industrial Food fermentation</b></li> <li>4. <b>Research Project</b></li> </ol>



19	<b>M.Sc. Part- I Chemistry</b>	<b>Semester-I</b> 1. <b>Physical Chemistry and Inorganic Chemistry</b> 2. <b>Organic Chemistry and Analytical Chemistry</b> 3. <b>Thermodynamics and Bio-inorganic Chemistry</b> 4. <b>Elective-Chemistry of Selected Topics OR Pharmaceutical Analysis</b> 5. <b>Research Methodology</b>	<b>Semester – II</b> 1. – <b>Physical Chemistry and Inorganic Chemistry</b> 2. <b>Organic Chemistry and Analytical Chemistry</b> 3. <b>Aliphatic Nucleophilic Substitution and Analytical Chemistry</b> 4. <b>Elective-Spectroscopy OR Intellectual property rights &amp; Cheminformatics</b> 5. <b>On Job training</b>
20	<b>M.Sc. Part-II Physical Chemistry</b>	<b>Semester-III</b> <b>Paper-I: Atomic structure, Polymers and Photochemistry</b> <b>Paper II : Nano Chemistry, Statistical Mechanics and Nuclear chemistry</b> <b>Paper III (Elective-I) : Environmental Chemistry</b> <b>Paper III (Elective-II): Advanced Instrumental Techniques</b> <b>Paper IV: Research Project</b>	<b>Semester-IV</b> <b>Paper-I: Polymers-II and Materials Chemistry</b> <b>Paper II : Symmetry and Spectroscopy</b> <b>Paper III (Elective-I) : CHEMISTRY IN EVERYDAY LIFE</b> <b>Paper III (Elective-II) : Spectroscopy and Green Chemistry</b> <b>Paper IV: Research Project</b>
21	<b>M.Sc. Part-II Inorganic Chemistry</b>	<b>Semester-III</b> <b>Paper-I: Solid state, Bio-Inorganic and Co-ordination Chemistry</b> <b>Paper II : Spectral Methods and Material Chemistry</b> <b>Paper III (Elective-I) : Environmental Chemistry</b> <b>Paper III (Elective-II): APPLIED CHEMISTRY-I</b> <b>Paper IV: Research Project</b>	<b>Semester-IV</b> <b>Paper-I: Properties of materials and Organometallic Compounds</b> <b>Paper II : Analytical Methods and Inorganic Ring compounds</b> <b>Paper III (Elective-I) : CHEMISTRY IN EVERYDAY LIFE</b> <b>Paper III (Elective-II) : APPLIED CHEMISTRY- II</b> <b>Paper IV: Research Project</b>



22	<b>M.Sc. Part-II Organic Chemistry</b>	<b>Semester-III</b> <b>Paper-I: THEORETICAL ORGANIC AND HETEROCYCLIC CHEMISTRY</b> <b>Paper II : ORGANIC AND BIOMOLECULAR CHEMISTRY</b> <b>Paper III (Elective-I) : Environmental Chemistry</b> <b>Paper III (Elective-II): Pharmaceutical Chemistry</b> <b>Paper IV: Research Project</b>	<b>Semester- IV</b> <b>Paper-I: FUNDAMENTAL ORGANIC CHEMISTRY</b> <b>Paper II : ADVANCEMENTS IN ORGANIC CHEMISTRY</b> <b>Paper III (Elective-I) : CHEMISTRY IN EVERYDAY LIFE</b> <b>Paper III (Elective-II) : BIOANALYTICAL CHEMISTRY AND FOOD ANALYSIS</b> <b>Paper IV: Research Project</b>
23	<b>M.Sc. Part-II Analytical Chemistry</b>	<b>Semester-III</b> <b>Paper-I: Chromatographic Techniques and Pharmaceutical Chemistry</b> <b>Paper II : Spectral and Electroanalytical Methods</b> <b>Paper III (Elective-I) : Environmental Chemistry</b> <b>Paper III (Elective-II): Bioanalytical Chemistry and Food analysis</b> <b>Paper IV: Research Project</b>	<b>Semester-IV</b> <b>Paper-I: Separation and Spectral Techniques</b> <b>Paper II : Modern Instrumental techniques and their applications</b> <b>Paper III (Elective-I) : CHEMISTRY IN EVERYDAY LIFE</b> <b>Paper III (Elective-II) : IPR and Cheminformatics</b> <b>Paper IV: Research Project</b>
24	<b>M.Sc. Part-I Physics</b>	<b>Semester-I</b> <b>1. Mathematical Methods- I and Classical mechanics</b> <b>2. Quantum Mechanics - I and Solid State Physics</b> <b>3. Vacuum Techniques, Nuclear Detectors and Accelerators</b> <b>4. Electronics I: Power supplies and communication systems</b> <b>5. Research methodology</b>	<b>Semester-II</b> <b>1. Mathematical Methods- I and Electrodynamics</b> <b>2. Quantum Mechanics- II and Solid State devices</b> <b>3. Materials Deposition Techniques and Fundamentals of Luminescence</b> <b>4. Electronics-II : Microprocessors and microcontrollers</b> <b>5. On Job training</b>



25	<b>M.Sc. Part-II Physics</b>	<b>Semester-III</b> <ol style="list-style-type: none"> <li>1. <b>Statistical Mechanics and Nuclear Physics</b></li> <li>2. <b>C++ Programming, Communication Interface and Memory devices</b></li> <li>3. <b>8051 Microcontroller, PIC Microcontroller and IOT - I</b></li> <li>4. <b>Research project</b></li> </ol>	<b>Semester-IV</b> <ol style="list-style-type: none"> <li>1. <b>Experimental Physics, Atomic and Molecular Physics</b></li> <li>2. <b>Python Programming and Embedded C</b></li> <li>3. <b>ARM7, VHDL and IOT - II</b></li> <li>4. <b>Research project</b></li> </ol>
26	<b>M.Sc. Part-I Microbiology</b>	<b>Semester-I</b> <ol style="list-style-type: none"> <li>1. <b>Cell Biology &amp; Virology - I</b></li> <li>2. <b>Medical Microbiology &amp; Immunology -I</b></li> <li>3. <b>Spectroscopic and Chromatographic Techniques</b></li> <li>4. <b>Elective-Food Microbiology</b></li> <li>5. <b>Research Methodology</b></li> </ol>	<b>Semester-II</b> <ol style="list-style-type: none"> <li>1. <b>Microbial Biochemistry –I</b></li> <li>2. <b>Prokaryotic &amp; Eukaryotic Genetics- I</b></li> <li>3. <b>Analytical techniques in Molecular Biology and Nanotechnology</b></li> <li>4. <b>Elective-Plant Tissue Culture &amp; Animal Cell Culture</b></li> <li>5. <b>On Job Training</b></li> </ol>
27	<b>M.Sc Part-II Microbiology</b>	<b>Semester-III</b> <ol style="list-style-type: none"> <li>1. <b>Concepts in Viral Genetics, Cell Biology and Bioinformatics</b></li> <li>2. <b>Advances in Diagnostics and Therapeutics</b></li> <li>3. <b>Advances in Applied Microbiology</b></li> <li>4. <b>Research project (RP)</b></li> </ol>	<b>Semester-IV</b> <ol style="list-style-type: none"> <li>1. <b>Biostatistics and Bacterial Biochemistry</b></li> <li>2. <b>Advances in Molecular Biology</b></li> <li>3. <b>Biotechnology, Bioethics and Bioentrepreneurship</b></li> <li>4. <b>Research project</b></li> </ol>



28	<b>M.Sc.</b> <b>Part-I</b> <b>BOTANY</b>	<b>Semester I</b> <ol style="list-style-type: none"> <li>1. Cytology and Cytogenetics</li> <li>2. Form and Function I</li> <li>3. Hydroponics Technology</li> <li>4. Plant Diversity</li> <li>5. Research Methodology</li> </ol>	<b>Semester II</b> <ol style="list-style-type: none"> <li>1. : Plant Biotechnology and Molecular Biology</li> <li>2. Form and Function II</li> <li>3. Herbal Drug Technology</li> <li>4. Plant Diversity II</li> <li>5. On-Job Training/Field Projects</li> </ol>
29	<b>M.Sc.</b> <b>Part- II</b> <b>BOTANY</b>	<b>SEMESTER III</b> <ol style="list-style-type: none"> <li>1. Bioanalytical techniques and Molecular Biology</li> <li>2. Plant Biotechnology I</li> <li>3. Good laboratory Practices</li> <li>4. Research Project</li> </ol>	<b>SEMESTER IV</b> <ol style="list-style-type: none"> <li>1. Molecular Biology</li> <li>2. Plant Biotechnology II</li> <li>3. Entrepreneurship management</li> <li>4. Research Project</li> </ol>
30	<b>M.Sc.</b> <b>Part-I</b> <b>ZOOLOGY</b>	<b>Semester I</b> <ol style="list-style-type: none"> <li>1. Basic Oceanography</li> <li>2. Finfish and shellfish biology</li> <li>3. Oceanographic instruments &amp; ecotourism</li> <li>4. Developmental Biology-I</li> <li>5. Research Methodology</li> </ol>	<b>Semester II</b> <ol style="list-style-type: none"> <li>1. Capture fisheries</li> <li>2. Fish processing technology</li> <li>3. Planktons and Nektons</li> <li>4. Developmental Biology- II</li> <li>5. On-Job Training/Field Projects</li> </ol>



31	<b>M.Sc. Part-II ZOOLOGY</b>	<b>Semester-III</b> <b>1. Freshwater Aquaculture</b> <b>2. Industrial fishery</b> <b>3. Biotechnology and instrumentation I</b> <b>4. Research Project (RP)</b>	<b>Semester-IV</b> <b>1. Brackish and Marine water Aquaculture</b> <b>2. Assorted topics of fishery</b> <b>3. Biotechnology and instrumentation II</b> <b>4. Research Project (RP)</b>
32	<b>M.Com Part-I Business Management, Advance Accountancy &amp; E-Commerce</b>	<b>Semester-I</b> <b>1. Strategic Management</b> <b>2. Business Ethics</b> <b>3. Export management</b> <b>4. Elective-Economics for Business</b> <b>5. Research methodology</b>	<b>Semester-II</b> <b>1. Entrepreneurship management</b> <b>2. Management of business relations</b> <b>3. E-Commerce</b> <b>4. Macro Economics concepts</b> <b>5. On Job training/field project</b>
33	<b>M.Com Part-II Business Management</b>	<b>Semester-III</b> <b>1. Organizational Behaviour</b> <b>2. Marketing Strategies &amp; Plans</b> <b>3. Elective- Human Resource Management -</b> <b>4. Advertising and Sales Management</b> <b>5. Research Project</b>	<b>Semester-IV</b> <b>1. Tourism Management</b> <b>2. Retail Management</b> <b>3. Elective-Modern Business Ecosystem and Corporate Laws</b> <b>4. Intellectual Property Rights and Corporate World</b> <b>5. Research Project</b>



34	<b>M.Com Part-II Advanced Accountancy</b>	<b>Semester-III</b> 1. Advance Financial Accounting 2. Advance Cost Accounting 3. Elective-Direct Tax 4. 4) Advance Auditing Practises 5. Research Project	<b>Semester-IV</b> 1. Advance Financial Accounting-IV 2. Financial Management 3. Elective- Indirect Taxes 4. Recent trends in accounts and audit 5. Research Project
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**“The only person who is educated is the one who has learned how to learn ...and change.” – Carl Rogers**



# Ph.D. Programmes

1. **Ph.D in English**
2. **Ph.D in Hindi**
3. **Ph.D in Marathi**
4. **Ph.D in History**
5. **Ph.D. in Commerce(Business Economics)**
6. **Ph.D in Applied Biology**
7. **Ph.D. in Bio-analytical Sciences**
8. **Ph.D in Botany**
9. **MSc by research and Ph.D. in Analytical Chemistry**
10. **MSc by research and Ph.D. in Chemistry(Organic/Inorganic/Physical)**
11. **MSc by research and Ph.D in Microbiology**
12. **MSc by research and Ph.D. in Physics**
13. **MSc by research and Ph.D in Zoology**



**"The function of education is to teach one to think intensively and to think critically."**

**- Martin Luther King Jr.**



# **Admission Process /Eligibility Criteria**

## **Junior college (Aided section)**

50% of the seats in the aided section is reserved for Sikh minority, 5% reserved as management quota and 45% is through the government .

## **Senior college (Aided section)**

35% seats reserved for Sikh minority, 15% reserved as management quota, 5% for women and handicapped students, 45% for open category.

### **Note:**

1. In house students will be given preference in admission(Aided section)
2. Students who have a gap after 12th standard should submit gap certificates (affidavit) at the time of first year undergraduate admission.

## **Eligibility for Admissions :**

A student who passes XIth examination from Science stream can apply to B.Sc., B.A. and BCom. But a student from Arts stream can apply only to B.A.

Students from Commerce stream can apply for BCom and BA.

**ARTS, SCIENCE /COMMERCE(BA/BSc/BCom)**

The eligibility criteria for three/ four year courses B.A./B.Com/B.Sc. Arts/Commerce/Science are available at University of Mumbai Website [www.mu.ac.in](http://www.mu.ac.in).



# Rules of Refund of Fees

Refund of Tuition, development and all other fees after cancellation of admission:

The candidates who have taken admission for graduate courses may request for refund of fees from the institute after applying in writing for cancellation of their admission to the course. The refund of fees as applicable shall be made on or before 30 days after the date of cancellation and thereafter.

A percentage of the fee for the course shall be refunded to the candidate after deducting charges as following:

Deduction Charges	1	2	3	4	5	6
	Prior to commencement of academic term and instruction of the Course	Upto 20 days after the commencement of academic term of the course	From 21 st day upto 50 th day after the commencement of academic term of the course	From 51at day upto 80 th day after the commencement of academic term of the course	From September 1 st to September 30 th	After September 30 th
	Rs. 500/- Lump sum	20% of the total amount of fees	30% of the total amount of fees	50% of the total amount of fees	60% of the total amount of fees	100% of the total amount of fees



## **Post Graduate Programmes**

### **MA. / MSc / MCom.**

#### **Qualifying Examination required:**

**B.A. / B.Sc. / B.Com.** of the University of Mumbai or any other recognized University.

#### **Eligibility criteria as per university norms.**

#### **V) MSc. Bio-analytical Sciences:**

**M.Sc. Bio-analytical Sciences** is a two-year interdisciplinary course affiliated to the University of Mumbai.

**Eligibility:** B.Sc. in any one of the following subjects: Chemistry, Botany, Zoology, Microbiology, Life Sciences, Biochemistry, Biotechnology and have offered Chemistry as one of the subjects till S.Y.B.Sc.(total 5 units) or equivalent. Minimum of 50 % marks in the entrance examination conducted by the college.

#### **VI) MSc. Bioinformatics M.Sc. Bioinformatics:**

Course is designed to bridge the gap and meet the demand of the pharmaceutical industry and research area through interdisciplinary training. This two year full time course affiliated to the University of Mumbai.

**Eligibility:** B.Sc. 55% and above in any one of the following subjects: Chemistry, Botany, Zoology, Microbiology, Life Sciences, Biochemistry, Biotechnology, Physics, Environmental Science, Mathematics and statistics, Pharmacy, I.T and Computer Science. Minimum of 50 % marks in the entrance examination conducted by the department.

#### **VII) MSc. Nutraceuticals:**

two-year full-time course affiliated to University of Mumbai which has been introduced to provide trained manpower to the food and nutraceutical industry considering huge market opportunity.

**Eligibility:** B.Sc in Zoology, Botany, Microbiology, Life Sciences, Chemistry, Biochemistry, Biotechnology, or degree in Food & Nutrition, Pharmacy, Medical Science.

#### **VIII) Five Year Integrated Course in M.Sc Bio-analytical Sciences:**

Five years Integrated course (FYIC) in Bio-analytical Sciences is a program at par with engineering and pharmacy careers. FYIC is an innovative course designed by industry experts to provide solutions for the continuously evolving pharmaceutical and biotech industries.

**Eligibility:** Min 50% marks in H.Sc Examination. PCMB combination is required.

Bridge Course in Mathematics will be conducted for those who are not opted for

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## **New PhD Admission Regulations (As per NEP-2020 Guidelines)**

- The UGC Council has approved the following new guidelines for PhD admissions under the National Education Policy (NEP)-2020:
  - PhD admissions will now primarily rely on the National Eligibility Test (NET).
  - NET qualifiers will be categorized into three categories starting from June 2024, based on their NET scores. **Candidates will be eligible for:**
    - 1. Junior Research Fellowship (JRF)**
    - 2. Assistant Professorship**
    - 3. PhD Admission and Fellowship**
- NET qualifiers must attend an interview for PhD admission as per UGC regulations 2022. The interview will be a mandatory step in the selection process.
- Candidates qualified in GATE/SET/NET (JRF) examinations, or those holding a teacher fellowship from apex bodies such as CSIR, UGC, ICAR, ICMR, or DBT, will be eligible for PhD admissions.
- Candidates who have completed an M.Phil. degree from the University of Mumbai, as per the UGC guidelines, are eligible for PhD admission.
- Candidates who have completed an M.Phil. degree from any other recognized universities in India, as per the UGC guidelines, are also eligible for PhD admission.
- M.Sc. research students who are willing to work under the same guide and on the same research topic are exempted from the PhD Entrance Test (PET).
- After online (Annexure I) application the photocopies of all the above documents and form should be submitted as hard copy in college office
- After scrutiny (for eligibility) by the Research Committee, the applications of eligible candidates will be forwarded to the Heads of department for conducting subject-wise interviews in March and September. The list of eligible candidates who are invited for interviews shall be displayed on the college website/ Departmental Notice Board. (Annexure II)
- The Heads of the Department shall constitute subject-wise interview committees to Interview the eligible candidates. The committee will consist of the following members, as per the UGC guidelines.



- a. Head/Principal/ Director as the Chairperson.
- b. One/ Two Subject Experts (from the affiliated colleges /industry / Research institutes) who are Ph.D. holders in the discipline
- c. One approved teacher not below the rank of Associate Professor from the reserved category of the concerned faculty. (Wherever applicable)
- d. Recognized Research Guide/s from the concerned discipline.
- The list of the selected candidates shall be displayed on the Departmental notice board / College website and communicated to the qualified candidates

#### **SCHEDULE OF Ph.D. INTERVIEW/ PRESENTATION:-**

- The Ph.D. Interview/ Presentation will be conducted by various departments twice in a year i.e. in March and September.
- Heads of the respective department shall communicate the subject-wise vacancies of the Ph.D. seats to Research committee of the College office 7 days before the date of Interview / Presentation. All such subject-wise vacancies of Ph.D. seats will be published on the College website by the Research section and on Departmental Notice Board by head of the respective department.
- Applications in the prescribed format (available with the Research Section of College-on-College website) will be invited from interested candidates within 20 days from the date of notification on the College website.
- The list of successful candidates after the interview/ Presentation report must be submitted to Research committee, will be declared on the College website as well to the individuals within ten (10) days from the date of the Interview/ Presentation.

#### **ALLOCATION OF SUPERVISOR (RESEARCH GUIDE):-**

The allocation of the supervisor for a selected student shall be decided by the Selection committee of the interview in a formal manner depending on the number of students per faculty member, the available specialization among the faculty supervisors and the research interest of the student as indicated by the student during interview.

**PROVISIONAL ADMISSION:-** The successful candidates can take provisional admission by completing other formalities.



# Under Graduate Intake Capacity

SR. NO.	NAME OF THE COURSE	INTAKE CAPACITY
1	F.Y.B.A.	240
2	F.Y.B.COM.	240
3	F.Y.B.SC.	460
4	F.Y.B.SC. COMPUTER SCIENCE	120
5	F.Y.B.SC. BIOTECHNOLOGY	70
6	F.Y.B.SC. 5 YEAR BIOANALYTICAL	60
7	F.Y.B.SC. (INFORMATION TECHNOLOGY)	120
8	BACHELOR OF MANAGEMENT STUDIES	120
9	BACHELOR OF COMMERCE (MANAGEMENT STUDIES)	120
10	BACHELOR OF MANAGEMENT STUDIES (AUTONOMOUS) APPROVED BY (AICTE)	120
11	F.Y. B.M.M.	120
12	F.Y.B.COM.UN-AIDED	120
13	F.Y.B.A.F.	120
14	F.Y.B.B.I.	60
15	F.Y.B.F.M.	60
16	M.A.PART I (HINDI)	60
17	M.COM.PART I E- COMMERCE	60
18	M.COM.PART I ADVANCE ACCOUNTANCY	80
19	M.COM.PART I BUSINESS MANAGEMENT	60
20	M.SC. I BOTANY	30
21	M.SC. I ZOOLOGY	30
22	M.SC. I MICROBIOLOGY	23
23	M.SC. I ANALYTICAL CHEMISTRY	30
24	M.SC. I ORGANIC CHEMISTRY	2
25	M.SC. I INORGANIC CHEMISTRY	5
26	M.SC.I PHYSICAL CHEMISTRY	3
27	M.SC.I PHYSICS	30
28	M.SC. I BIOTECHNOLOGY	40
29	M.SC. I BIOANALYTICAL	40
30	M.SC. I BIO INFORMATICS	40
31	M.SC. I NUTRACETICAL	60
32	M.SC. I 5 YEAR BIOANALYTICAL	60
33	M.SC.I.(INFORMATION TECHNOLOGY)	40
34	M.SC. I.COMPUTER SCIENCE	40
35	M.SC. I. INFORMATION AND CYBER SECURITY (IT)	40
36	M.SC. I.BIG DATA ANALYSIS (CS)	40

## Intake Capacity M.SC. BY RESEARCH & PH.D. COURSE

SR. NO.	NAME OF THE COURSE	INTAKE CAPACITY
1	PH.D.ENGLISH	8
2	PH.D.HINDI	10
3	PH.D.MARATHI	10
4	PH.D.HISTORY	10
5	PH.D.COMMERCE ( BUINESS ECONOMICS)	8
6	PH.D.APPLIED BIOLOGY	10
7	PH.D. BIOANALYTICAL SCIENCE	25
8	M.SC. BY. RESEARCH & PH.D. BOTANY	18
9	M.SC. BY. RESEARCH & PH.D. ANALYTICAL CHEMISTRY	10
10	M.SC. BY. RESEARCH & PH.D. CHEMISTRY (ORGANIC & INORGANIC CHEMISTRY)	16
11	M.SC. BY. RESEARCH & PH.D. MICROBIOLOGY	8
12	PH.D. & M.SC. BY. RESEARCH PHYSICS	15
13	M.SC. BY. RESEARCH & PH.D.ZOOLOGY	15



# FEES STRUCTURE JUNIOR COLLEGE

## XI AIDED

Course Name	Total Fees
XI SCIENCE (BOYS)	2470
XI SCIENCE (GIRLS)	2100
XI SCIENCE ELECTRONICS (BOYS)	42470
XI SCIENCE ELECTRONICS (GIRLS)	42100
XI SCIENCE COMP.SC (BOYS)	42470
XI SCIENCE COMP.SC (GIRLS)	42100
XI SCIENCE SOCIOLOGY (BOYS)	8470
XI SCIENCE SOCIOLOGY (GIRLS)	8100
XI COMMERCE (BOYS)	1750
XI COMMERCE (GIRLS)	1450
XI COMMERCE SP (BOYS)	6750
XI COMMERCE SP (GIRLS)	6450
XI ARTS (BOYS)	1750
XI ARTS (GIRLS)	1450
XI MCVC (BOYS)	2480
XI MCVC (GIRLS)	2100

## XI UNAIDED

Course Name	Total Fees
XI SCIENCE	25960
XI COMMERCE	30360
XI ARTS	20360



# FEES STRUCTURE JUNIOR COLLEGE

## XII AIDED

Course Name	Total Fees
XII SCIENCE (BOYS)	2308
XII SCIENCE (GIRLS)	1930
XII SCIENCE ELECTRONICS (BOYS)	27403
XII SCIENCE ELECTRONICS (GIRLS)	27025
XII SCIENCE COMP.SC (BOYS)	32379
XII SCIENCE COMP.SC (GIRLS)	32025
XII SCIENCE SOCIOLOGY (BOYS)	8284
XII SCIENCE SOCIOLOGY (GIRLS)	7930
XII COMMERCE (BOYS)	2199
XII COMMERCE (GIRLS)	1915
XII COMMERCE SP (BOYS)	7199
XII COMMERCE SP (GIRLS)	6915
XII ARTS (BOYS)	2184
XII ARTS (GIRLS)	1900
XII MCVC (BOYS)	3090
XII MCVC (GIRLS)	2640

## XII UNAIDED

Course Name	Total Fees
XII SCIENCE	26500
XII COMMERCE	30905
XII ARTS	20890



# FEES STRUCTURE SENIOR COLLEGE

## FY AIDED (Open Category)

Course Name	Total Fees
F.Y.B.A.	10,560.00
F.Y.B.COM	10,560.00
F.Y.B.SC.	13,210.00

## FY AIDED (Reserve Category)

Course Name	Total Fees
F.Y.B.A.	7,450
F.Y.B.COM	7,450
F.Y.B.SC.	7,450

## SY AIDED (Open Category)

Course Name	Total Fees
S.YB.A.	10,050.00
S.Y.B.COM	10,050.00
S.Y.B.SC. (PHY/CHE)	11,850.00
S.Y.B.SC. (PHY / MAT)	11,850.00
S.Y.B.SC. (CHE / BOT)	12,600.00
S.Y.B.SC. (CHE / ZOO)	12,600.00
S.Y.B.SC. (CHE / MICRO)	12,600.00
S.Y.B.SC. (BOT / ZOO)	11,850.00
S.Y.B.SC. (MATHS/ STA.)	11,850.00



# FEES STRUCTURE SENIOR COLLEGE

## SY AIDED (Reserve Category)

Course Name	Total Fees
S.Y.B.A.	7,690.00
S.Y.B.COM	7,690.00
S.Y.B.SC. (PHY/CHE)	8,210.00
S.Y.B.SC. (PHY / MAT)	7,910.00
S.Y.B.SC. (CHE / BOT)	8,790.00
S.Y.B.SC. (CHE / ZOO)	8,790.00
S.Y.B.SC. (CHE / MICRO)	8,090.00
S.Y.B.SC. (BOT / ZOO)	9,190.00
S.Y.B.SC. (MATHS/ STA.)	7,690.00

## TY AIDED (Open Category)

Course Name	Total Fees
T.Y.B.A.	10,350.00
T.Y.B.COM	10,350.00
T.Y.B.SC. PHYSICS	12,050.00
T.Y.B.SC. CHEMISTRY	12,800.00
T.Y.B.SC. BOTANY	12,050.00
T.Y.B.SC. ZOOLOGY	12,050.00
T.Y.B.SC. MICRO	12,800.00
T.Y.B.SC. MATHS	13,050.00

## TY AIDED (Reserve Category)

Course Name	Total Fees
T.Y.B.A.	8,000.00
T.Y.B.COM	8,000.00
T.Y.B.SC. PHYSICS	8,400.00
T.Y.B.SC. CHEMISTRY	8,700.00
T.Y.B.SC. BOTANY	9,600.00
T.Y.B.SC. ZOOLOGY	9,600.00
T.Y.B.SC. MICRO	8,000.00
T.Y.B.SC. MATHS	8,000.00



# FEES STRUCTURE SELF-FINANCED SENIOR COLLEGE

## FY UNAIDED

Course Name	Total Fees
F.Y.B.M.S	42750
F.Y. B.M.S AICTE	43010
F.Y.B.A.M.M.C.	38550
F.Y.B.B.I	35650
F.Y.B.A.F.	40250
F.Y.B.F.M.	40050
F.Y.I.T.	47100
F.Y.COMP.SC.	44300
F.Y.BIOTCH	42650
F.Y.I.C.	40400
F.Y.B.COM (UNAIDED)	30750

## SY UNAIDED

Course Name	Total Fees
S.Y.B.M.S	36860
S.Y.B.A.M.M.C.	36910
S.Y.B.B.I	31410
S.Y.B.A.F.	37410
S.Y.B.F.M.	31410
S.Y.I.T.	40210
S.Y.COMP.SC.	39210
S.Y.BIOTCH	39010
S.Y.I.C.	39010
S.Y.B.COM (UNAIDED)	29210

## TY UNAIDED

Course Name	Total Fees
T.Y.B.M.S	33710
T.Y.B.M.M.	33710
T.Y.B.B.I	28510
T.Y.B.A.F.	33510
T.Y.B.F.M.	28510
T.Y.I.T.	38510
T.Y.COMP.SC.	39310
T.Y.BIOTCH	39310
T.Y.I.C.	39310
T.Y.STATS	24810
T.Y.B.COM (UNAIDED)	27510

# FEES STRUCTURE POST GRADUATE

## MSc. AIDED

Course Name	Total Fees
M.Sc. - I	25,515
M.Sc. - II	24,040



# FEES STRUCTURE POST GRADUATE

## MSc. UNAIDED

Course Name	Total Fees
MSc I - CHEM ANAL	60515
MSc II - CHEM ANAL	58040
MSC I - BIO ANAL	62215
MSC II - BIO ANAL	59740
MSC I - NUTRA	61215
MSC II - NUTRA	58740
M.Sc. I - BIO INFO	58215
M.Sc. II - BIO INFO	55740
MSC I - 5 YEAR	56215
MSCII - 5 YEAR	53740
MSC - I - ZOOLOGY (UNAIDED)	47515
MSC - II - ZOOLOGY (UNAIDED)	45040
MSC - I - PHYSICS (UNAIDED)	47515
MSC - II - PHYSICS (UNAIDED)	45040
MSC - I - BOTANY (UNAIDED)	47515
MSC - II - BOTANY (UNAIDED)	45040

Course Name	Total Fees
MSC - I - MICRO (UNAIDED)	62215
MSC - II - MICRO (UNAIDED)	59740
MSC I - C.S	56015
MSC - II CS	53540
M.SC. I IN BIG DATA ANALYTICAL	78200
M.SC. II IN BIG DATA ANALYTICAL	78450
M.SC. I IN INFORMATION & CYBER SECURITY	78200
M.SC. II IN INFORMATION & CYBER SECURITY	78450
MSC I - IT	56015
MSC-II IT	53540
MSC I - Biotechnology	61515
MSC II - Biotechnology	59040
MCOM - I	23915
M. COM - II	22040
M.A. - I	17515
M.A. - II	15040



## Co-curricular and Extra-curricular courses / activities

### Nature Club:

Credit courses, workshops, tree plantation, organizing exhibitions, Miniature garden (making, Hydroponics, Vertical garden designing and creating awareness relating to the environment are some of the activities organized by the club.



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### Department Associations:

The Department associations arrange credit courses, talks, seminars and competitions to spur an interest in their respective subjects and widen the perspective of the students.

### Foreign Language Cell:

The College has a foreign language cell offering Basic, Intermediate and Advanced courses in German, French, Spanish, Chinese and Japanese languages for UG and PG students of the college and for outsiders also. After successful completion of the course students receive a certificate with eligible credit score.





एकता

अनुशासन

## MAJOR EVENTS

**Kargil Vijay Diwas:** On July 26, NCC cadets paid tribute to Kargil War martyrs through wreath-laying and lamp lighting ceremonies.

**76th Independence Day:** Unfurled the tricolor, followed by cultural activities centered around "Unity & Discipline."



**NCC Day:** National Cadet Corps Day celebrated with a Guard of Honour for the principal, sports activities promoting unity and discipline, and recognition of talented achievers.

## EMPOWERING NATIONAL EVENTS

The Khalsa NCC unit takes part in various activities such as social work, training activities, conferences, annual training camps, national camps, etc. This year, the unit proudly conducted its activities in close coordination with 1 Maharashtra Battalion NCC Unit.



**Puneet Sagar Abhiyan:** NCC cadets undertake a cleanliness campaign at seashores, beaches, and water bodies to raise awareness about keeping them clean and plastic-free.



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# NATIONAL SERVICE SCHEME



## स्वयं से पहले आप

### NOT ME BUT YOU

The enrolment is open to all students irrespective of their caste, creed and religion. Around 200 students enroll as volunteers in every academic year. NSS is a 2-Year activity based program in which Social service of 120 hours (First year) + 120 hours (Second year) + 1 NSS Residential camp is mandatory for the completion of this program. Undergraduate and Postgraduate students (F.Y. / S.Y. / First year PG) from any course can join the NSS program. The final year students are not allowed to register for the First year of NSS as it is a 2 year program.

**"The best way to find yourself is to lose yourself in the service of others."**

— Mahatma Gandhi

### DEVELOPING THE PERSONALITY AND CHARACTER OF THE STUDENT

NSS Unit has been participating in this Scheme under the NSS Cell in University of Mumbai. NSS stands for "National Service Scheme" i.e. "Rashtriya Seva Yojana" which is mostly targeted on Social Service and Development of Rural and Slum areas. It is a Central Sector Scheme of Government of India, Ministry of Youth Affairs & Sports.

After the completion of 2 years of National Service Scheme, volunteers will get a National level certificate from the Govt. of India which is very valuable.



Volunteers get a benefit of Maximum 10 Grace marks in the respective academic year according to the "Ordinance 229-A" after completion of 120 hours of Social service under NSS.



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# नाट्याश्रम

Students participate in several intercollegiate, state and national level competitions and have won many National and State level Awards. Credits are awarded to students who participate in Drama which includes attending workshops, backstage work, acting, writing ,etc. Under NEP the committee is offering extra curricular credit courses.



# Anhad Naad

## School Of Music

**Hindustani Classical: Vocal & Instrumental Gurbani Kirtan**  
based on Ragas.

In the academic year 2023-24, a Foundational Credit Course on Indian Classical Music and various musical instruments was introduced for the First year UG students under NEP. The students can earn credits upon completion of the courses offered.

## Cultural Committee

The cultural committee encourages and trains students to take part in various intra and inter collegiate, intra and inter university cultural programmes and organizes different activities throughout the year.



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# Nazrana



The intra-collegiate festival 'Nazrana' is held every year. Activities ranging from kavi sammelan, literary events, ad campaigns, fine arts to personality contests, Hobbex, traditional and talent parades to fashion shows and departmental fests are organized.



# **Scholarship / Freeship /Awards**

## **Faculty sponsored scholarships**

### **Jr. College**

1. Ashwinder Kaur Memorial Scholarship - Highest marks XII Science
2. Mr. Jawadekar Scholarship - Highest marks in Chemistry in XII Science.
3. Prof. Waryam Singh Memorial Prize - Highest in Mathematics XII Science.

### **Sr. College**

1. Scholarship instituted by the college- details available with the Registrar of the College.
2. Cash Awards by the Management to Meritorious University Rankers
3. Youth Leaders as Change Makers Fellowship - a collaborative initiative by Gunvati J Kapoor Medical Charitable Trust, PUKAR, and Khalsa College: Students are expected to participate in projects which are socially relevant and are paid for the work done for three weeks during the vacation.
4. Prof Kuldip Singh Memorial Scholarships
5. Budding Math Talent Award - Meritorious student of FYBSc Mathematics
6. Emerging Math Talent Award - Meritorious student of SYBSc Mathematics
7. Proven Math Talent Award - Meritorious Student of TYBSc Mathematics
8. Young Math Prodigy-Best Math Student Male and Female
9. Prof. Waryam Singh Memorial Special Prize - Highest marks in Mathematics TYBSc University examination and to the Best NCC cadet.
10. Freedom Fighter Late Raghbir Singh Manhas & Smt. Bhajan Kaur Manhas Scholarship to first rank holders of Self Finance Courses.
11. Tejinder Kaur Kalirai Benevolent fund for the first rank holder of TYBSc Microbiology and BioTechnology.
12. Dr.(Ms.) Sharda Rai Scholarship - Highest marks in Economics at the TYBA University Examination
13. (Ms.) S.A.Irani Scholarship (Economics) - Highest marks in Economics at the TYBA University Examination
14. Shaila Mehta Scholarship (Economics) - Highest marks in Economics at the TYBA University Examination.
15. Prof. Angelo Moses Award - Highest marks in Philosophy at the TYBA University Examination
16. Ms. Leena Kelkar Award - Highest Marks in Philosophy at the SYBA level.
17. Prof. Surendra Gavaskar Scholarship - (NSS)-for best male and female campers.
18. Jayshree Mishra & P. N. Mishra Award - Highest marks in FYBA/SYBA/TYBA Hindi
19. Dr.S.D.Mishra Award (Hindi) - for best performance in UG Hindi
20. Prof. A. M. Thomas benevolent fund was instituted by Dr. R. G. Krishnan in memory of his teacher to be awarded to a student securing the highest marks in XII SC and pursuing any field of medicine.
21. Bibi Sohan Devi Scholarship on merit cum means basis to girl students.
22. Smt. Brijeshwari Devi Rai Award for Best Girl Cadet (NCC)
23. Dr Tribhuvan Nath Rai Award for Best Boy Cadet (NCC)



# **Scholarships/Freeships**

## **Applicable to the Aided Section**

**Note: The conditions may change according to the directives issued by the Government from time to time.**

<b>Sr.</b>	<b>Name of Scholarship / Freeship</b>	<b>Documents Required &amp; other details.</b>	<b>Last date application</b>
1.	<b>Scholarship (SC / ST / OBC / SBC / NT /VJNT)</b>	<p>Scholarship is applicable only up to 2nd boy child. (OBC/SBC/NT/VJNT) Xerox copy of attested documents required along with the form.</p> <ol style="list-style-type: none"><li>1. Mark sheet of previous year.(Passed)</li><li>2. SSC marksheets</li><li>3. Fee Receipt (Original &amp; Xerox)</li><li>4. Ration Card.</li><li>5. Caste Certificate (Only Maharashtra State)</li><li>6. ST Caste validity</li><li>7. Income Certificate of father's duly attested by Tahasildar only for the current financial year. (1st April to 31st March) Original certificate required.</li><li>8. Domicile Certificate</li><li>9. I-card</li><li>10. In case of death of parent death certificate is required.</li><li>11. Aadhar Card</li><li>12. Gap Certificate if applicable.</li><li>13. First page of Banks passbook with name, Address &amp; Account no. (Add: Central Bank of India, CheedaMension Road, Opp. Wadala (E)</li><li>14. One Passport size Photo</li></ol>	On or before 30th October



2. <b>Freeship (SC / ST / OBC / SBC / NT / VJNT)</b>	<p>Freeship is applicable only upto 2nd boy child. (Those who are not eligible for Scholarship) (OBC/SBC/NT/VJNT)</p> <p>Xerox copy of attested documents required alongwith the form.</p> <ol style="list-style-type: none"> <li>1. Marksheet of previous year.(passed)</li> <li>2. SSC marksheets</li> <li>3. Fee Receipt (Original &amp; Xerox)</li> <li>4. Ration Card.</li> <li>5. Caste Certificate (Only Maharashtra State)</li> <li>6. ST Caste validity</li> <li>7. Income Certificate of father's duly attested by Tahasildar only for the current financial year. (1st April to 31st March) Original certificate required.</li> <li>8. Domicile Certificate</li> <li>9. Non Creamy Layer Certificate for OBC/SBC/NT/VJNT (Income above Rs.1 Lac to Rs. 6 Lac only)</li> <li>10. I-card</li> <li>11. In case of death of parent death certificate is required.</li> <li>12. Aadhar Card</li> <li>13. Gap Certificate if applicable.</li> <li>14. First page of Banks passbook with name, Address &amp; Account no. (Add: Central Bank of India, Cheda Mension Road, Opp. Wadala(E)</li> <li>15. One Passport size Photo</li> </ol>	On or before 30th October
3. <b>Economically Backward Class</b>	<p>Photocopy of attested documents alongwith the form:</p> <ol style="list-style-type: none"> <li>1. Marklist of the previous year.(passed)</li> <li>2. Fee Receipt (Original &amp; Xerox)</li> <li>3. Ration Card, Aadhar Card</li> <li>4. Income Certificate of father's duly attested by Tahasildar, Income limit up to Rs. 6,00,000/- per annum only for the academic/financial year (Current year)</li> <li>5. Domicile Certificate</li> <li>6. I-card</li> </ol> <p>Students are required to visit website <a href="http://www.scholarships.gov.in">www.scholarships.gov.in</a> to fill the application form</p>	On or before 30th October

**"Education is Passport to the future, for tomorrow  
belongs to those who prepare for it today."**

**– Malcolm X**





# Addendum

## **Career guidance cell**

The career guidance cell provides significant academic and career related information and prepares students to meet their future challenges. The students are guided with specific inputs regarding their professional choices which are mapped and aligned with their passions and interests. The Guidance Cell nurtures students to fulfill their career goals and thus serve as a bridge between their academic experience and employability accomplishment.

## **Festivals**

The intra-collegiate festival 'Nazrana' is held every year. Activities ranging from kavi sammelan, literary events, ad campaigns, fine arts to personality contests, Hobbex, traditional and talent parades to fashion shows and departmental fests are organized.

## **Parent Teacher Association**

The Association fosters and promotes good relationships among the members of the teaching staff, students and parents/guardians of the students to create a keen interest for the smooth working of the college and for maintaining good discipline and high academic standards.

## **Alumni Association**

The Alumni Association enables ex-students of the College to strengthen their ties with their alma mater. Besides, it enables the College and fresh graduates from the college to avail help of past alumni who are well placed in life. Third year students prior to leaving the college may secure life membership to the Association.

## **Doctor's Panel**

The College has a doctor's panel for consultation or call during any medical emergency. First aid kits are kept in the College office and various laboratories.

## **Suggestion Box / Complaint Box**

A suggestion box / complaint box is provided on every floor for queries and recommendations.

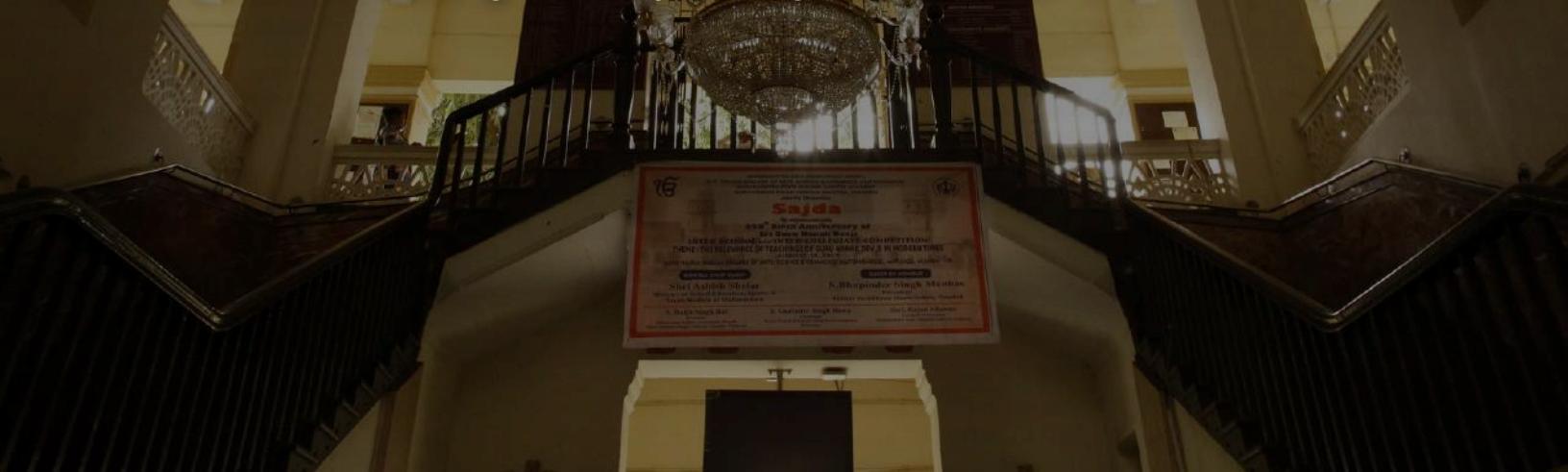
**"We want that education by which character is formed, strength of mind is increased, the intellect is expanded, and by which one can stand on one's own feet"**

**– Swami Vivekananda**



# Facilities

The College has sprawling structure: the main building and the Annexe building, linked by the Library section and segregated by lawns and open spaces. The College has one the largest playgrounds amongst the Colleges of Mumbai; conforming to the international standards; admeasuring 102 m X 144 m, with a running track spanning 265 meters.



## Quadrangle

The College building and its classrooms overlook a large open space, the Quadrangle, which has a long raised platform. The huge quadrangle is used for holding open air functions like the Annual Prize Distribution Function and the annual intra-collegiate events like 'Nazrana'





## Gurudwara

The in-house Gurudwara is significantly located at the apex level of the main building and blesses the college with an aura of religiosity and spirituality. We invoke the blessing of the Almighty at the beginning of every academic year through the recital of 'Akhand Path'. All students partake in the 'Guru Ka langar' which follows, and this helps create a sense of harmony among the students.



## Ladies Common Room (LCR)

The LCR is a spacious area with well ventilated rooms, furnished with ample seating arrangement and other amenities for indoor games like chess and carrom. A separate canteen facility is available. A lady attendant is also available for assistance.



**Washrooms and purified drinking water is available on each floor.**



## Canteen

A well-spread out area, the college canteen provides a varied, wholesome, hygienic, palatable and subsidized-rate food for the staff and students.



**Prospectus 2025 - 26**

**Guru Nanak Khalsa College of Arts, Science & Commerce  
(Autonomous)**



## FULLY-EQUIPPED LABS

Our college is known for its air conditioned ICT labs that are well-equipped with projectors and desktops to facilitate digital learning. However, what sets us apart from other institutions is our inspiring, approachable teaching faculty and helpful, attentive staff who are ever-ready to guide and assist students.



## ICT-ENABLED CLASSROOMS

Seamless internet connectivity makes teaching-learning fun and engaging at Khalsa College. Most of our classrooms are equipped with projectors and white screens facilitating use of digital technology to aid teaching and learning. Including mediums such as movies, visual art, and presentations makes the classroom an enriching space for discussion and digestion of ideas.





## Laboratories

The College has spacious laboratories for practicals in Physics, Chemistry, Zoology, Botany, Microbiology, Electronics and Biotechnology. There are separate laboratories for post-graduate students.

All laboratories are well-equipped and well-maintained. The M.Sc. Physics Laboratory (for Electronics) and Chemistry departments have highly sophisticated instruments, some of which have been especially imported.

State of art Computer Labs are available for the students.

## Dilip Kumar Auditorium

The College Hall also known as Dilip Kumar Auditorium is an Amphitheatre for budding talent. Having a proper stage with a green room facility, the College Hall has a 500 plus seating capacity. Apart from being the venue for formal functions, the hall is also used for events like drama competitions, literary events, kavi sammelan, mehfil and other artistic pursuits.



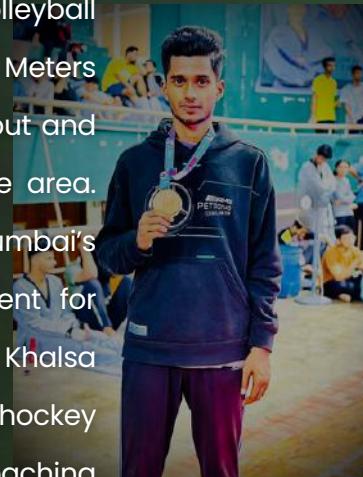
## Gymkhana

The College has a well-equipped Gymkhana (measuring 14m X 13m.) sponsored by Mr. Salman Khan, It is adequately furnished for regular weight training activity, table tennis, carom and chess. (There are changing rooms for the players and athletes.)

Shooting range: 25 meters long state of art shooting range is available in the college.

## Playground

The College Ground has an international size hockey field, football practice arena, Volleyball court, Basketball court, Handball court, 265 Meters running track, Long & High jump pit, Shotput and Discus throw section, Cricket net practice area. For a number of years, the University of Mumbai's annual inter-collegiate Hockey tournament for both men and women has been hosted by Khalsa College. Also, the Mumbai University hockey teams (men and women) have their coaching camps on the College ground, before they proceed to participate in the Inter-University championships.



Khalsa prides itself as one of the best Colleges of Mumbai University in the sports arena. The Khalsa management has been providing unstinted support to its budding sportsperson so as to enable them to realize their sports potential. The sports Roll of Honour includes sports persons who have made a mark in Asian Games and Olympics. They have been honored with Padmashree, Arjuna Award, Shiv Chhatrapati Award, etc. For the last several years, the College has been the reigning champion team in hockey. The College participates in various sport activities of International level, National level, University level, Zonal, Inter zonal all india level, and Khelo India University level. The achievers receive medals and certificates and under NEP students can acquire credit points.

## Multipurpose Hall

Khalsa Banquet Hall Mumbai Matunga features a well-designed and generously sized banquet hall that can comfortably accommodate approximately 750 guests.

## Seminar Hall

The College has a state of the art seminar hall with a seating capacity of 93.

# Library

The availability of books in the library can be checked online through URL <http://114.168.60.116/w27>

The College Library, established in 1937, houses a rich collection of around one lakh books and periodicals across various subjects, including History, Philosophy, Languages, Social Sciences, Humanities, and Basic and Applied Sciences. Spanning 900 square meters, it includes a reading room, research space, foreign language cell, and information center. The 2023 addition of the Sagar Sarhadi Gallery features books by S. Sagar Sarhadi. The library offers modern services, including access to over 6,000 e-journals and 7,99,500 e-books.



For various college forms  
scan here



For further information regarding notices and  
circulars, please visit the college website  
[www.gnkhalsa.edu.in](http://www.gnkhalsa.edu.in)

Or  
University of Mumbai website [www.mu.ac.in](http://www.mu.ac.in)

## Members Prospectus Committee

**Ms Latha Mohanan (Maths Dept)**

**Dr Harmeet Kohli (Chemistry Dept)**

**Dr Gopa Sarma (Botany Dept)**

**Ms Sunita Rai (CS Dept)**

**Dr Shubha Mukherjee - Convenor (English Dept)**