



Knowledge is Supreme

Tolani College of Commerce (Autonomous)

**Re-Accredited (3rd Cycle) by N.A.A.C.
with 'A' Grade CGPA of 3.03**

**Bachelor of Science
(Information Technology)**

Prospectus A.Y. 2022 - 2023



ABOUT THE PROGRAM

The College started offering the B.Sc.I.T. Program from the academic year 2012-2013. Students from Commerce and Science streams who have studied Mathematics as one of the courses in the XIIth std or equivalent are eligible to take admission to the B.Sc.I.T Program. The program is for students who have an aptitude for and interest in information technology. The College has one division with an intake capacity of 60 seats each in the first, second and third years of the Program. Students earn total credits of 120 on successful completion of the Program. Students have to earn a total of 132 credits for the award of the degree.

The courses that are part of the curriculum:

First Year B.Sc.I.T.				
Sr. No:	Semester I	Credits	Semester II	Credits
1	Imperative Programming	2	Object oriented Programming	2
2	Digital Electronics	2	Microprocessor Architecture	2
3	Operating Systems	2	Web Programming	2
4	Discrete Mathematics	2	Numerical and Statistical Methods	2
5	Communication Skills	2	Green Computing	2
6	Imperative Programming Practical	2	Object oriented Programming Practical	2
7	Digital Electronics Practical	2	Microprocessor Architecture Practical	2
8	Operating Systems Practical	2	Web Programming Practical	2
9	Discrete Mathematics Practical	2	Numerical and Statistical Methods Practical	2
10	Communication Skills Practical	2	Green Computing Practical	2
	Total Credits in the Semester	20	Total Credits in the Semester	20
Total Credits of Semester - I and Semester - II				40
Additional Credits to be earned (Value added certificate course/capacity building and skill enhancement courses)				04
Total Credits for the First Year				44

Second Year B.Sc.I.T.				
Sr. No:	Semester III	Credits	Semester IV	Credits
1	Python Programming	2	Core Java	2
2	Data Structures	2	Introduction to Embedded Systems	2
3	Computer Networks	2	Computer Oriented Statistical Techniques	2
4	Database Management systems	2	Software Engineering	2
5	Applied Mathematics	2	Computer Graphics and Animation	2
6	Python Programming Practical	2	Core Java Practical	2
7	Data Structures Practical	2	Introduction to Embedded Systems Practical	2
8	Computer Networks Practical	2	Computer Oriented Statistical Techniques Practical	2
9	Database Management systems Pracial	2	Software Engineering Practical	2
10	Mobile Programming Practical	2	Computer Graphics and Animation Practical	2
	Total Credits in the Semester	20	Total Credits in the Semester	20
Total Credits of Semester - III and Semester - IV				40
Additional Credits to be earned (Value added certificate course/capacity building and skill enhancement courses)				04
Total Credits for the Second Year				44

Third Year B.Sc.I.T.				
Sr. No:	Semester V	Credits	Semester VI	Credits
1	Software Project Management	2	Software Quality Assurance	2
2	Internet of Things	2	Security in Computing	2
3	Advanced Web Programming	2	Business Intelligence	2
4	Artificial Intelligence	2	Principles of Geographic Information Systems	2
5	Enterprise Java	2	Cyber Law	2
6	Project Dissertation	2	Project Implementation	2
7	Internet of Things Practical	2	Security in Computing Practical	2
8	Advanced Web Programming Practical	2	Business Intelligence Practical	2
9	Artificial Intelligence Practical	2	Principles of Geographic Information Systems Practical	2
10	Enterprise Java Practical	2	Advanced Mobile Practical	2
	Total Credits in the Semester	20	Total Credits in the Semester	20
Total Credits of Semester - V and Semester - VI				40
Additional Credits to be earned (Value added certificate course/capacity building and skill enhancement courses)				04
Total Credits for the Third Year				44

**ADMISSION PROCEDURE
F.Y.B.SC. (INFORMATION TECHNOLOGY)**

Eligibility

Link to the University of Mumbai Eligibility Conditions:

<http://archive.mu.ac.in/courses/Faculty%20of%20Science.pdf>

Students who had Mathematics as a subject at H.S.C./12th Std. equivalent are only eligible for admission to the B.Sc.(I.T.) Program.

The admission process is online. Click on the following link for the admission process:

<https://tcc.tolani.edu/wp-content/uploads/2022/06/Admission-Notice-to-First-Year-Undergraduate-Programs-for-A.Y.-2022-2023-1-1.pdf>

First Year B.Sc. (Information Technology) Admission Fees: Fees to be paid online.

PROGRAM	INR *(Inclusive of Rs. 100/- for the Admission Form)
FIRST YEAR B.SC.(I.T.)	31,493

P.S. : Fees are subject to revision.

* Admission Form fees to be paid online at the time of filling the Online Admission Form.

1. Students from other than Maharashtra State Board have to pay additional fees for Document Verification fees - Rs. 400/- and Eligibility fees - Rs. 320/-
2. Additional Fees have to be paid for the value-added certificate course/capacity building and skill enhancement courses for earning the additional credit, which is compulsory.
3. Foreign students will have to pay five times the fees mentioned in the above table.

I. After completion of the online admission process students have to submit the following documents on the dates intimated by the College.

- a) Copy of the College Online Admission form.
- b) Three photocopies of mark sheets of H.S.C./equivalent of XIIth std. examination.
- c) Photocopy of Leaving Certificate of H.S.C./equivalent of XIIth std.
- d) Photocopies of mark sheets & Passing Certificate of S.S.C./equivalent of Xth std.
- e) Photocopies of Certificate of Learning Disability (L.D.) & that of being Physically Challenged (if applicable).
- f) Photocopy of Blood Group Report.
- g) Photocopy of Aadhar Card.
- h) Photocopy of valid caste certificate, if belonging to any reserved category.

II. Additional documents required from candidates applying under the Sindhi Linguistic Minority Quota:

Affidavit on a stamp paper of Rs.100/- (Rupees One Hundred Only), certified by a Notary stating that the candidate belongs to the Sindhi Linguistic Minority.

III. Additional documents required from candidates having a gap of more than two years in their Education between passing the Xth std. equivalent examination and XIIth std. equivalent examination:

- a) Affidavit on a stamp paper of Rs.100/- (Rupees One Hundred Only), certified by a Notary stating the reason for the Gap of more than two years in the Education between passing the Xth std. equivalent examination and XIIth std. equivalent examination.
- b) Affidavit on a stamp paper of Rs.100/- (Rupees One Hundred Only), certified by a Notary stating the reason for the Gap of more than one year in the Education after passing the XIIth std. equivalent examination.

IV. Additional documents required from candidates who have passed H.S.C./ equivalent of XIIth std. from other than Maharashtra State Board:

- a) Original and photocopies of mark sheets and Passing Certificate of H.S.C./equivalent of XIIth std. examination
- b) Original and two photocopies of Transference / Leaving Certificate.
- c) Original and two photocopies of Migration Certificate (In the event there is no practice of issuing Migration Certificate by the Board, the candidate shall produce a letter to this effect from the Board)

V. Students belonging to SC, ST, DT, NT, OBC & SBC categories who wish to apply for scholarship/freeship are requested to bring the following documents and should contact Mr. Magan Purabia - Head Clerk in Admin Office before paying their fees:

- a) Photocopy of Aadhar Card
- b) Photocopy of valid Caste Certificate (Maharashtra State Only)
- c) Income Certificate issued by Tahsildar's Office, Mumbai.
- d) Photocopy of Ration Card.
- e) Photocopies of mark sheets of examination of S.S.C./Xth std equivalent, H.S.C./XIIth std equivalent.
- f) Saving Bank Account in any nationalised bank or post office has to be opened and the Account details have to be submitted.

Note:

1. Please carry the Original documents for verification purpose only
2. Kindly upload photo (Max Size 115kb) and signature (Max Size 15-18kb). Mention the name in 'English' (As per H.S.C. mark sheet), Name in 'Devnagiri' (Marathi) should be strictly entered in the following format: (Surname- Name –Father's name - Mother's name) as the same cannot be changed/edited once entered in the pre-admission online enrolment form.
3. The admission will remain purely on PROVISIONAL basis till the receipt of confirmation of enrolment from University of Mumbai.

ATTENDANCE REQUIREMENTS

As per the provisions in the University ordinance issued from time to time

EXAMINATION & EVALUATION

- As per the directives of University of Mumbai, the Choice Based Credit, Grading and Semester Systems will be followed.
- The Degree Program will comprise of Six Semesters spread over three years. Each Year will consist of two semesters. In each semester for each course, there will be a continuous evaluation for 40 marks and semester end examination for 60 marks.
- Students have to earn 2 additional credits in every semester by successful completion of value added certificate course/capacity building and skill enhancement courses offered by the College.
- The students will be briefed about the details of the Choice, Grade and Semester system at the commencement of the academic year.

For details about the Library resources, Co & Extra–Curricular activities, Infrastructure and facilities please visit other section of the College website.
