



ESTD.: 1994

Reaccredited with 'A' Grade by NAAC

Shree Shankar Narayan Education Trust's

SHANKAR NARAYAN COLLEGE OF ARTS & COMMERCE

Prospectus 2023-2024

B.Sc. I.T.
B.C.S.
BMS
Banking & Insurance
Accounting & Finance
Financial Markets
(PG) M.Sc. I.T.
M. Com



Rohidas Shankar Patil
Founder President





SHREE SHANKAR NARAYAN EDUCATION TRUST'S
**SHANKAR NARAYAN COLLEGE OF
ARTS & COMMERCE**

Navghar, Bhayandar (East), Dist. Thane - 401 105.
E-mail : info@sncollege.com • Website : www.sncollege.com

PROSPECTUS

F. Y. / S. Y. / T. Y.

B. Sc. I.T. • B. Sc. Computer Science

BMS • B. Com. Banking & Insurance,

B. Com. Accounting & Finance

B. Com. Financial Markets,

Master of Science in Information Technology (M.Sc. I.T.)

Master of Commerce (M. Com.)

Professional course is the benchmark of advancement of commerce.

On account of globalisation, liberalisation, economic growth and multinational corporations and other advanced economics have grabbed opportunities to invest enormously in India, generating huge employment opportunities. Economic Development, basically economic growth of a country depends upon the entrepreneurship qualities like self-reliance, self-sufficiency and self-employment.

So, in today's business world there is a tremendous demand for professionals who are dynamic, smart, agile, good communicator, perseverant, initiative taker, goal & result oriented.

Furthermore, professional courses are omni-courses crossing barriers of culture, community, state business etc which teach the students, to inculcate qualities of presentation skills, communication & towering personality.

Shankar Narayan College is pioneer in self finance courses in Mira-Bhayandar area.

It started the successful journey on the road of educational development through its enriched professional courses in the academic year 2001-02.

The College was established by the SHREE SHANKAR NARAYAN EDUCATION TRUST in 1994 to promote the cause of higher education in and around Mira-Bhayandar area. It is permanently affiliated to the University of Mumbai and prepares students for degree courses.

The College is located in Navghar Village, about one kilometer from Bhayandar railway Station and about 7 kilometers from the Bhayandar-Ahmedabad Express Highway. It is connected to neighbouring places like Mira Road, Dahisar, Borivali, Gorai, Naigaon, Vasai etc. by suburban railway and also by B.E.S.T. buses and State Transport buses. The campus of the College is being developed with a view to create an atmosphere conducive to academic, cultural and sports activities for the students of the College.

OBJECTIVES :

Generating, mobilizing and sharing knowledge to students' community through teaching, learning, research and communication.

Instilling confidence and leadership qualities to build strong students personality and make them responsible citizens.

Meeting global challenges in the field of education.

MISSION :

- i) To work towards the development of all round personality of students community through curricular, co-curricular and extra curricular activities.
- ii) To develop entrepreneurship skills among the students community through organizing Workshop, Seminars and Conferences.
- iii) To provide a comprehensive and value based education to serve neighbourhood community and society at large.
- iv) To develop a spirit of team work and leadership qualities and healthy work-culture.
- v) To build good infrastructural and academic structures to promote research, innovative teaching and effective communication.
- vi) To have transparency and accountability among all the stake holders.
- vii) To use innovative teaching and cut-edge communication in order to achieve our vision.
- viii) To use multi disciplinary faculty. effectively for enhancing the presentation and communication skills with analytical capabilities.

COLLEGE TERMS :

- i) The academic year is divided into two terms :
 - (a) The first term commences from June and will end in October.
 - (b) The second term commences from November and ends on 30th April.
- ii) The college will remain closed for Diwali Vacation at the end of the first term and for Summer Vacation at the end of the second term.
- iii) There will be a brief vacation for Christmas. The College remains closed on Sundays and public holidays declared by the Government, and on specific days at the discretion of the Principal.
- iv) Students whose attendance and/or progress is found to be unsatisfactory in the first term may not be admitted to the College in the second term.

IDENTITY CARD :

- i) Every Student who is admitted to the College will be issued an identity card. A recent photograph should be affixed on it.
- ii) The Student shall always wear the identity card around the neck in the College premises and must produce the identity card whenever demanded by any staff member. No student will be allowed to attend classes, tests, examinations and other programmes, unless he/she wears the identity card, failing which he/she would be fined.
- iii) A student without an identity card may be asked to leave the College premises,
- iv) In case the original identity card is lost by the student he/she should submit an application for a duplicate identity card to the Principal in writing and the Principal may issue such a card to him/her on payment of Rs. 100/- as administrative charges.

ATTENDANCE AND PROGRESS :

- i) Punctuality and regularity of attendance will strictly be enforced. Students who are irregular in attendance will render themselves liable to disciplinary action. Attendance in all the tests and examinations is compulsory.

The defaulters list will be displayed on the notice board during the first week of every month.

- ii) Attention of the students is drawn to the ordinance check 0.119 of the University of Mumbai. which states : The following shall be the minimum attendance necessary for keeping terms :

FIRST TERM	SECOND TERM
Three fourth of the days on which lectures are delivered	Three fourth of the days on which lectures are delivered

Sports persons and students participating in extra curricular activities will be permitted full credit for lectures missed by them as a result of their participation in Inter-collegiate, Inter University, State National / and Inter National tournaments and coaching camps organised in preparation of these tournaments. This credit will be allowed on the basis of production of a certificate of participation in authorised activities from the organiser of the event(s).

CONDUCT AND DISCIPLINE :

- (i) Students are accountable to the Principal for their behavior inside the College. Students are prohibited from visiting any other College without the written permission of the Principal. They will do nothing that will interfere with its orderly administration or affect its public image.
- (ii) Classes will be held from 7.30 a. m. onwards.

- (iii) Smoking cigarettes, consumption of Gutkha and Chewing gum are strictly prohibited in the College premises and is a punishable offence.
- (iv) Students are strictly prohibited from using a mobile phone in the College premises. If a student is found with mobile phone, he/she will have to pay Rs. 500/- as a fine.
- (v) After admission, each Student will be given an identity card on which he/she must affix his/her photograph and obtain the signature of the Principal. Students without identity cards will not be allowed to enter the College premises or the College library. Surprise check of identity cards will be held occasionally.
- (vi) Students must maintain strict silence in the class room, the library, the computer lab, the reading room and in the corridors, specially when lectures are going on in adjoining rooms.
- (vii) Students must not loiter in the corridors when classes are going on. When they are free, they should go to the reading room, the library or the student's Common Room.
- (viii) Students must not attend any class other than their own without prior permission of the professor concerned.
- (ix) Every student must be dressed modestly and neatly. Sleeveless, Short Tops, Mini Skirts, Low Waist Jeans and Obscene / Objectionable Slogans/Captions on the T-shirt will not be allowed to be worn in the College premises.
- (x) Students are expected not to cause any damage to College property and are expected to take proper care of it. It should be a matter of pride and self respect for them to keep their College neat and tidy. Students must not write on black boards, walls, tables or benches. Any wilful damage to the College property will be dealt with, as a breach of discipline.
- (xi) No College Programmes can be conducted without the written permission of the Principal and no function can be arranged without the consent of the Principal.
- (xii) No person shall be invited to address a College meeting or a society or to occupy the chair at any College function without the prior permission of the Principal.
- (xiii) Students are not allowed to invite any Outsiders to the College or to the College canteen.
- (xiv) No Student should, without the permission of the Principal, write to the press or communicate any information to it about matters relating to College administration.
- (xv) A Student must not directly or indirectly be involved in any act which in the opinion of the Principal is or may be detrimental to the interest and the general discipline of the College.
- (xvi) If a student remains absent without prior permission for a long time, his/her name is liable to be removed from the college register books.
- (xvii) The defaulters list will be displayed on the notice board in the first week of every month.

- (xviii) No student shall take private tuitions from any teachers of the college.
- (xix) It is the responsibility of every student to read the notices displayed by the college office from time to time. They will not be excused and no concession will be given on the ground of ignorance due to their failure to read the notice.
- (xx) Students are not allowed in staff room without permission. Failure to observe these rules will make students liable for disciplinary action.
- (xxi) Ragging is considered as punishable offence. If any student found involved in ragging will be expelled from the college and legal action will be taken as well.
- (xxii) All girls students are given protection in terms of derogatory remarks passed by boys and eve teasing etc is dealt severely.
- (xxiii) A committee of faculty and girls students is formed to deal with girls problems.
- (xxiv) The college has NSS unit and students can enroll themselves as a volunteer. NSS activities help students develop the qualities of leadership and a sense of social awareness. Students are assigned various social causes, activities like visiting blind homes, general hospitals, orphanages nearby slum areas etc. Our NSS unit organizes a seven days residential camp for the NSS volunteers in remote underdeveloped areas.
- (xxv) The college has NCC unit 5 Maharashtra EME coy for boys. The NCC unit inculcates in youth a sense on Nationalism and secular out look that contributes towards the building of Nation. The students can enroll their names as a NCC cadets.
- (xxvi) The college has a grievance redressal cell where students can give their suggestions / complaints for the development of the college.
- (xxvii) The college has an active placement and career guidance cell where students are given information on various career options and are also provided placement in jobs they are best suited for them. The cell also organizes workshops, group discussions, panel interviews and resume drafting for the benefits of the students.

LIBRARY :

- i) The college has a good library with books on academic subjects as well as subjects of general interest. It also subscribes to journals and newspapers. The Library has a reading room. Every student of the college is expected to make use of the library and the reading room. The college library will remain open for purpose of study between 9 a.m. and 5.00 p.m.
- ii) At the time of leaving the college, students must obtain a No-dues Certificate from the college library. The library cards should be attached to the No-dues application form.
- iii) Students leaving the college after completion of their course should claim their deposit by making an application to the Principal.

SPORTS AND EXTRA-CURRICULAR ACTIVITIES :

The college has a Gymkhana and offers variety of sports activities and games such as Badminton, Table-Tennis, Carrom, Chess, Football, Volleyball, Athletics and Billiards. The college promotes various extra-curricular activities through a number of societies, for which membership is offered to the students at a nominal fee of Rs. 10/-.

CANTEEN AND GYMKHANA :

The college has a spacious canteen for students and staff. There will also soon be gymkhana facility providing yoga and meditation for mental peace and physical fitness for the future generations. This gymkhana would comprise of all the modern equipments and would be looked after by well-trained instructors. The college also has a billiard room.

ADDITIONAL FEATURES FOR ALL PROFESSIONAL COURSES :

- A) Seminars & training programmes :
 - i) Entrepreneurship & communication training programme.
 - ii) Free seminar & orientation programmes.
 - iii) Practical courses, letter drafting & personality development courses.
 - iv) Workshops & Exhibitions.
- B) Career guidance & placement cell.
- C) Local & outstation Industrial visits.
- D) Individual course wise events & Mega events like Udaan.
- E) The college organizes local Industrial Visits. It also conducts various seminars & workshop from time to time.
- F) Special cash prize of Rs. 500/- will be starting from 2014-15 and it will be conferred to the first winner in Udaan Stock Exchange.

BACHELOR OF SCIENCE - INFORMATION TECHNOLOGY (B. Sc. I.T.)

INTRODUCTION :

A Bachelor of Science in Information Technology, (abbreviated B.Sc. I.T.) is a bachelor's degree awarded for the completion of an undergraduate course or program in information technology.

A Bachelor of Science in Information Technology degree program durations is of three years (Six Semesters). This degree is primarily focused on subjects such as software, databases, and networking. This degree is awarded for completing a program of study in the field of software development, software testing, software engineering, computer networking, web design, databases, and programming.

Many employers require software developers or programmers, network administrators or database managers to have a Bachelors of Science in Information Technology or an equivalent degree. Graduates with an information technology background are able to perform technology tasks relating to the processing, storing, and communication of information between computers, mobile phones, and other electronic devices. Information technology as field emphasizes the secure management of large amounts of variable information and its accessibility via a wide variety of systems both local and world-wide.

Generally software and information technology companies look for people who have strong programming skills, system analysis, and software testing skills.

The primary objective of B.Sc. IT conducted by Shankar Narayan College as per the syllabus designed by University of Mumbai is to teach practical skills that are required to become a software developer. As logical reasoning and critical thinking are important in becoming a software professional, this degree encompasses the complete process of software development from software design and development to final testing.

It is important to note that University of Mumbai has introduced Semester Based Credit and Grading System for B.Sc. IT from the academic year 2011-12.

ELIGIBILITY :

A candidate for being eligible for admission to the degree course in Bachelor of Science – Information Technology, should have passed XII Examination of the Maharashtra Board of Higher secondary Education or its equivalent with mathematics as one subject and should have secured not less than 45% marks in aggregate and 40% marks aggregate, in case of reserved category candidates

- Every candidate admitted to degree course in class / affiliated college / recognized institution conducting the course will have to register himself / herself with the university.
- No. of Students : A batch shall not contain more than 60 students.

SCHEME OF EXAMINATION :

Credit Based Evaluation System

Scheme of Examination

The performance of the learners shall be evaluated into two components. The learner's Performance shall be assessed by Internal Assessment with 25% marks in the first component by conducting the Semester End Examinations with 75% marks in the second component. The allocation of marks for the Internal Assessment and Semester End Examinations are as shown below :-

Internal Assessment – 25%

25 marks.

a) Theory

25 marks

Sr. No.	Evaluation Type	Marks
1	One class Test*	20
2	Active participation in routine class instructional deliveries Overall conduct as a responsible student, manners, skill in articulation, leadership qualities demonstrated through organizing co-curricular activities, etc.	05

Semester End Examination -

Undergraduate Programmes of F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc.

Semester End Theory Assessment – 75%

75 marks

1. Duration – These examinations shall be of 2.5 hours duration.
2. Theory question paper pattern :-
 - i. There shall be five questions each of 15 marks.
 - ii. On each unit there will be five question.
 - iii. All questions shall be compulsory with internal choice within the questions.
 - iv. Questions may be sub divided into sub questions as a, b, c, d & e, etc.

PASSING STANDARDS :

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment and Semester End Examination. The learners shall obtain minimum of 40% marks (i.e. 10 out of 25) in the Internal Assessment and 40% marks in Semester End Examination (i.e. 30 Out of 75) separately, to pass the course and minimum of Grade E in each project, wherever applicable, to pass a particular semester. A learner will be said to have passed the course if the learner passes the Internal Assessment and Semester End Examination together.

***Note :**

Question Paper Pattern for Periodical Class Test for Courses at UG Programmes Written Class Test (20 Marks) where students have to attempt four questions out of six questions.

Note : As per previous ordinance there will not be any internal examination for practicals.

Note – It is noted that the amended regulation 8435 is to be implemented to all Semesters i.e. Semester I to Semester VI to all Undergraduate programmes, simultaneously, under faculty of Arts, Commerce and Science from the academic year 2014-2015

- **Lab Work & Journal/Practical/Case Study Presentation/Mini Project :** Learners will be evaluated out of 50 marks based on their performance in the respective category for each course (subject).

CARRY FORWARD OF MARKS :

- Candidate to appear for the Internal Examination, if he/she fails in the Internal Examination & passes Semester End Exam.
- Candidate to appear for the Semester End Exam, if he/she fails in the Semester End Exam & passes Internal Examination.
- He/she shall be entitled for grade obtained by him/her on passing of the complete course.

ALLOWED TO KEEP TERMS (ATKT) :

- 100% promotion from ODD to EVEN semester i.e. I to II, III to IV and V to VI
- A learner shall be allowed to keep terms for Sem III if he / she passes (Grade E or above in each course (subject)) each of semester I and II

OR

He/She fails in not more than three courses with not more than total of 200 marks, in each of the semester – I and Semester – II

- A learner shall be allowed to keep terms for Sem V if he / she passes (Grade E or above in each course (subject)) each of semester I, II, III and IV

OR

He/She has passed Sem I & II and fails in not more than three courses with not more than total of 200 marks, in each of the semester – III and Semester – IV

- Result of Sem. VI will be declared only if he / she passes each of I, II, III, IV & V.

Marks Out of 50			
Marks	Grade Points	Grade	Performance
40 and above	10	O	Outstanding
35 - 39.99	9	A+	Excellent
30 - 34.99	8	A	Very Good
27.5 - 29.99	7	B+	Good
25 - 27.49	6	B	Above Average
22.5 - 24.99	5	C	Average
20 - 22.49	4	D	Pass
Less than 20	0	F	Fail

Marks Out of 100			
Marks	Grade Points	Grade	Performance
80 and above	10	O	Outstanding
70 - 79.99	9	A+	Excellent
60 - 69.99	8	A	Very Good
55 - 59.99	7	B+	Good
50 - 54.49	6	B	Above Average
45 - 49.99	5	C	Average
40 - 44.49	4	D	Pass
Less than 40	0	F	Fail

Overall Grade Table		
Marks	Grade	Performance
10	O	Outstanding
9.0 - 9.99	A+	Excellent
8.0 - 8.99	A	Very Good
7.0 - 7.99	B+	Good
6.0 - 6.99	B	Above Average
5.0 - 5.99	C	Average
4.0 - 4.99	D	Pass

COURSE STRUCTURE :

F.Y. B. Sc. IT

Semester - 1			
Course Code	Course Type	Course Title	Credits
USIT101	Core Subject	Imperative Programming	2
USIT102	Core Subject	Digital Electronics	2
USIT103	Core Subject	Operating Systems	2
USIT104	Core Subject	Discrete Mathematics	2
USIT105	Ability Enhancement Skill Course	Communication Skills	2
USIT1P1	Core Subject Practical	Imperative Programming Practical	2
USIT1P2	Core Subject Practical	Operating Systems Practical	2
USIT1P3	Core Subject Practical	Operating Systems Practical	2
USIT1P4	Core Subject Practical	Discrete Mathematics Practical	2
USIT1P5	Ability Enhancement Skill Course Practical	Communication Skills Practical	2
		Total Credits	20

Semester - 2			
Course Code	Course Type	Course Title	Credits
USIT201	Core Subject	Object oriented Programming	2
USIT202	Core Subject	Microprocessor Architecture	2
USIT203	Core Subject	Web Programming	2
USIT204	Core Subject	Numerical and Statistical Methods	2
USIT205	Ability Enhancement Skill Course	Green Computing	2
USIT2P1	Core Subject Practical	Object Oriented Programming Practical	2
USIT2P2	Core Subject Practical	Microprocessor Architecture Practical	2
USIT2P3	Core Subject Practical	Web Programming Practical	2
USIT2P4	Core Subject Practical	Numerical and Statistical Methods Practical	2
USIT2P5	Ability Enhancement Skill Course Practical	Green Computing Practical	2
		Total Credits	20

S.Y. B. Sc. IT

Semester - III			
Course Code	Course Type	Course Title	Credits
USIT301	Skill Enhancement Course	Python Programming	2
USIT302	Core Subject	Data Structures	2
USIT303	Core Subject	Computer Networks	2
USIT304	Core Subject	Database Management Systems	2
USIT305	Core Subject	Applied Mathematics	2
USIT3P1	Skill Enhancement Course Practical	Python Programming Practical	2
USIT3P2	Core Subject Practical	Data Structures Practical	2
USIT3P3	Core Subject Practical	Computer Networks Practical	2
USIT3P4	Core Subject Practical	Database Management Systems Practical	2
USIT3P5	Core Subject Practical	Mobile Programming Practical	2
		Total Credits	20

Semester - IV			
Course Code	Course Type	Course Title	Credits
USIT401	Skill Enhancement Course	Core Java	2
USIT402	Core Subject	Introduction to Embedded Systems	2
USIT403	Core Subject	Computer Oriented Statistical Techniques	2
USIT404	Core Subject	Software Engineering	2
USIT405	Core Subject	Computer Graphics and Animation	2
USIT4P1	Skill Enhancement Course Practical	Core Java Practical	2
USIT4P2	Core Subject Practical	Introduction to Embedded Systems Practical	2
USIT4P3	Core Subject Practical	Computer Oriented Statistical Techniques Practical	2
USIT4P4	Core Subject Practical	Software Engineering Practical	2
USIT4P5	Core Subject Practical	Computer Graphics and Animation Practical	2
		Total Credits	20

T.Y. B. Sc. IT

Semester - V			
Course Code	Course Type	Course Title	Credits
USIT501	Skill Enhancement Course	Software Project Management	2
USIT502	Skill Enhancement Course	Internet of Things	2
USIT503	Skill Enhancement Course	Advanced Web Programming	2
USIT504	Discipline Specific Elective (Any One)	Artificial Intelligence	2
USIT505		Linux System Administration	
USIT506	Discipline Specific Elective (Any One)	Enterprise Java	2
USIT507		Next Generation Technologies	
USIT5P1	Skill Enhancement Course Practical	Project Dissertation	2
USIT5P2	Skill Enhancement Course Practical	Internet of Things Practical	2
USIT5P3	Skill Enhancement Course Practical	Advanced Web Programming Practical	2
USIT5P4	Discipline Specific Elective Practical (Any One)*	Artificial Intelligence Practical	2
USIT5P5		Linux Administration Practical	
USIT5P6	Discipline Specific Elective	Enterprise Java Practical	2
USIT5P7	Practical (Any One)*	Next Generation Technologies Practical	
Total Credits			20

(All the practical mentioned in the syllabi are compulsory as per the courses chosen)

Semester - VI			
Course Code	Course Type	Course Title	Credits
USIT601	Skill Enhancement Course	Software Quality Assurance	2
USIT602	Skill Enhancement Course	Security in Computing	2
USIT603	Skill Enhancement Course	Business Intelligence	2
USIT604	Discipline Specific Elective (Any One)	Principles of Geographic Information Systems	2
USIT605		Enterprise Networking	
USIT606	Discipline Specific Elective (Any One)	IT Service Management	2
USIT607		Cyber Laws	
USIT6P1	Skill Enhancement Course Practical	Project Implementation	2
USIT6P2	Skill Enhancement Course Practical	Security in Computing Practical	2
USIT6P3	Skill Enhancement Course Practical	Business Intelligence Practical	2
USIT6P4	Discipline Specific Elective Practical (Any One)*	Principles of Geographic Information Systems Practical	2
USIT6P5		Enterprise Networking Practical	
USIT6P6	Skill Enhancement Course Practical	Advanced Mobile Programming	2
Total Credits			20

* The Choice of Practical course is based on the theory Course. For Semester V, USIT504, USIT505, USIT506 and USIT507. the practical courses are USIT5P4, USIT6P5 respectively. Practical Course USIT6P6 is compulsory.

FEES STRUCTURE :

YEARLY FEES

F.Y.B.Sc. I.T.	Rs. 25,444/-
S.Y.B.Sc. I.T.	Rs. 25,274/-
T.Y.B.Sc. I.T.	Rs. 27,424/-

Note : * Fee revision is subject to changes in University fee structure from time to time.
DD in favour of - The Principal, Shankar Narayan College of B.Sc. I.T.

BACHELOR OF SCIENCE - COMPUTER SCIENCE (B. Sc. - C.S.)

INTRODUCTION :

Bachelor of Science in Computer Science, (abbreviated B.Sc.CS) is a bachelor's degree awarded for the completion of an undergraduate course or program in information technology.

A Bachelor of Science in Computer Science degree program typically lasts three years (Six Semesters). This degree is primarily focused on subjects such as software, databases, and networking. In general computer science degrees tend to focus on the mathematical and theoretical foundations of computing rather than emphasizing specific technologies. This degree is awarded for completing a program of study in the field of software development, software testing, software engineering, computer networking, web design, databases, and programming.

Many employers require software developers or programmers, Network Administrators, Database Managers to have a Bachelor of Science in Computer Science degree, or an equivalent degree. Graduates with an Computer Science background are able to perform technology tasks relating to the processing, storing, and communication of information between computers, mobile phones, and other electronic devices. Computer Science as field emphasizes the secure management of large amounts of variable information and its accessibility via a wide variety of systems both local and world-wide.

Generally software and information technology companies look for people who have strong programming skills, system analysis, and software testing skills.

The primary objective of B.Sc. CS conducted by Shankar Narayan College as per the syllabus designed by University of Mumbai is to teach practical skills that are required to become a software developer. As logical reasoning and critical thinking are important in becoming a software professional, this degree encompasses the complete process of software development from software design and development to final testing.

It is important to note that University of Mumbai has introduced Semester Based Credit and Grading System for B.Sc. CS from the academic year 2011-12.

ELIGIBILITY :

A candidate for being eligible for admission to the degree course in Bachelor of Science – Computer Science, should have passed XII Examination of the Maharashtra Board of Higher secondary Education in Science Stream with mathematics as one subject.

Admission will be merit based on order of preference as follows:

- Aggregate Marks at HSC or equivalent.
- Aggregate Marks in Science group (PCM).
- Marks in Mathematics & Statistics and Physics.
- Marks in Maths and Statistics.

Intake Capacity : 60

However, if the repeaters are admitted in S.Y. B.Sc. CS or T. Y. B.Sc. CS in addition to regular students of same college, a new batch to be started if the strength exceeds 12 students than the original sanctioned strength of 60 students (Subject to permission of University and govt.).

SCHEME OF EXAMINATION :

Credit Based Evaluation System

Scheme of Examination

The performance of the learners shall be evaluated into two components. The learner's Performance shall be assessed by Internal Assessment with 25% marks in the first component by conducting the Semester End Examinations with 75% marks in the second component. The allocation of marks for the Internal Assessment and Semester End Examinations are as shown below :-

Internal Assessment – 25%

25 marks.

a) Theory

25 marks

Sr. No.	Evaluation Type	Marks
1	One class Test*	20
2	Active participation in routine class instructional deliveries Overall conduct as a responsible student, manners, skill in articulation, leadership qualities demonstrated through organizing co-curricular activities, etc.	05

Semester End Examination -

Undergraduate Programmes of F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc.

Semester End Theory Assessment – 75%

75 marks

1. Duration – These examinations shall be of 2.5 hours duration.
2. Theory question paper pattern :-
 - i. Question 1 is based on entire syllabus.
 - ii. Question 2, 3, 4 is based on each unit.
 - iii. Question 5 is based on entire syllabus.
 - iv. All questions shall be compulsory with internal choice within the questions.
 - v. Questions may be sub divided into sub questions as a, b, c, d & e, etc.

PASSING STANDARDS :

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment and Semester End Examination. The learners shall obtain minimum of 40% marks (i.e. 10 out of 25) in the Internal Assessment and 40% marks in Semester End Examination (i.e. 30 Out of 75) separately, to pass the course and minimum of Grade E in each project, wherever applicable, to pass a particular semester. A learner will be said to have passed the course if the learner passes the Internal Assessment and Semester End Examination together.

***Note :**

Question Paper Pattern for Periodical Class Test for Courses at UG Programmes Written Class Test (20 Marks)

1.	Match the Column / Fill in the Blanks / Multiple Choice Questions ($\frac{1}{2}$ Marks each)	05 Marks
2.	Answer in One or Two Lines (Concept based Questions) (1 Mark each)	05 Marks
3.	Answer in Brief (Attempt Any Two of the Three) (5 Marks each)	10 Marks

Note : As per previous ordinance there will not be any internal examination for practicals.

Note – It is noted that the amended regulation 8435 is to be implemented to all Semesters i.e. Semester I to Semester VI to all Undergraduate programmes, simultaneously, under faculty of Arts, Commerce and Science from the academic year 2014-2015

- **Lab Work & Journal/Practical/Case Study Presentation/Mini Project :** Learners will be evaluated out of 50 marks based on their performance in the respective category for each course (subject).

CARRY FORWARD OF MARKS :

- Candidate to appear for the Internal Examination, if he/she fails in the Internal Examination & passes Semester and Exam.
- Candidate to appear for the Semester End Exam, if he/she fails in the Semester End Exam & passes Internal Examination.
- He/she shall be entitled for grade obtained by him/her on passing of the complete course.

ALLOWED TO KEEP TERMS (ATKT) :

- 100% promotion from ODD to EVEN semester i.e. I to II, III to IV and V to VI
- A learner shall be allowed to keep terms for Sem III if he / she passes (Grade E or above in each course (subject)) each of semester I and II
OR
He/She fails in not more than three courses, in each of the semester – I and Semester – II
- A learner shall be allowed to keep terms for Sem V if he / she passes (Grade E or above in each course (subject)) each of semester I, II, III and IV
OR
He/She has passed Sem I & II and fails in not more than three courses, in each of the semester – III and Semester – IV
- Result of Sem. VI will be declared only if he / she passes each of I, II, III, IV & V.

Marks Out of 50			
Marks	Grade Points	Grade	Performance
40 and above	10	O	Outstanding
35 - 39.99	9	A+	Excellent
30 - 34.99	8	A	Very Good
27.5 - 29.99	7	B+	Good
25 - 27.49	6	B	Above Average
22.5 - 24.99	5	C	Average
20 - 22.49	4	D	Pass
Less than 20	0	F	Fail

Marks Out of 100			
Marks	Grade Points	Grade	Performance
80 and above	10	O	Outstanding
70 - 79.99	9	A+	Excellent
60 - 69.99	8	A	Very Good
55 - 59.99	7	B+	Good
50 - 54.49	6	B	Above Average
45 - 49.99	5	C	Average
40 - 44.49	4	D	Pass
Less than 40	0	F	Fail

Overall Grade Table		
Marks	Grade	Performance
10	O	Outstanding
9.0 - 9.99	A+	Excellent
8.0 - 8.99	A	Very Good
7.0 - 7.99	B+	Good
6.0 - 6.99	B	Above Average
5.0 - 5.99	C	Average
4.0 - 4.99	D	Pass

COURSE STRUCTURE :

F.Y. B. Sc. CS

Semester - I				
Course Code	Course Type	Course Title	Credits	Lectures / Week
USCS101	Core Subject	Core Subject Digital Systems &	2	3
USCS102	Core Subject	Introduction to Programming with	2	3
USCS103	Core Subject	Linux Operating System	2	3
USCS104	Core Subject	Open Source Technologies	2	3
USCS105	Core Subject	Discrete Mathematics	2	3
USCS106	Core Subject	Descriptive Statistics	2	3
USCS107	Ability Enhancement Course	Soft Skills	2	3
USCSP101	Core Subject Practical	Digital Systems & Architecture - Practical	1	3
USCSP102	Core Subject Practical	Introduction to Programming with Python - Practical	1	3
USCSP103	Core Subject Practical	Linux Operating System - Practical	1	3
USCSP104	Core Subject Practical	Open source Technologies - Practical	1	3
USCSP105	Core Subject Practical	Discrete Mathematics - Practical	1	3
USCSP106	Core Subject Practical	Descriptive Statistics - Practical	1	3
Total Credits : 20				

Semester - II				
Course Code	Course Type	Course Title	Credits	Lectures / Week
USCS201	Core Subject	Design & Analysis of Algorithms	2	3
USCS202	Core Subject	Advanced Python Programming	2	3
USCS203	Core Subject	Introduction to OOPs using C++	2	3
USCS204	Core Subject	Database Systems	2	3
USCS205	Core Subject	Calculus	2	3
USCS206	Core Subject	Statistics Methods	2	3
USCS207	Ability Enhancement Course	E-Commerce & Digital Marketing	2	3
USCSP201	Core Subject Practical	Design & Analysis of Algorithms - Practical	1	3
USCSP202	Core Subject Practical	Advanced Python Programming - Practical	1	3
USCSP203	Core Subject Practical	Introduction to OOPs using C++ -Practical	1	3
USCSP204	Core Subject Practical	Database Systems - Practical 1	1	3
USCSP205	Core Subject Practical	Calculus - Practical	1	3
USCSP206	Core Subject Practical	Statistical Methods - Practical	1	3
Total Credits : 20				

S.Y. B. Sc. CS

Semester - III			
Course Code	Topics	Credits	Lectures / Week
USCS301	Theory of Computation	2	3
USCS302	Core JAVA	2	3
USCS303	Operating System	2	3
USCS304	Database Management Systems	2	3
USCS305	Combinatorics and Graph Theory	2	3
USCS306	Physical Computing and IoT Programming	2	3
USCS307	Skill Enhancement : Web Programming	2	3
USCSP301	USCS305+USCS303+USCS304	3	9
USCSP302	USCS305+USCS306+USCS307	3	9
Total Credits : 20			

Semester - IV			
Course Code	Topics	Credits	Lectures / Week
USCS401	Fundamentals of Algorithms	2	3
USCS402	Advanced JAVA	2	3
USCS403	Computer Networks	2	3
USCS404	Software Engineering	2	3
USCS405	Linear Algebra using Python	2	3
USCS406	NET Technologies	2	3
USCS407	Skill Enhancement : Android Developer Fundamentals	2	3
USCSP401	USCS401+USCS402+USCS403	3	9
USCSP402	USCS405+USCS406+USCS407	3	9
Total Credits : 20			

T.Y. B. Sc. (Semester V and VI) Computer Science Syllabus Credit Based Semester and Grading System To be implemented from the Academic year 2022-2023

Semester - V			
Course Code	Topics	Credits	Lectures / Week
	Elective - I (Select Any Two)		
USCS501	Artificial Intelligence	3	3
USCS502	Linux Server Administration	3	3
USCS503	Software Testing and Quality Assurance	3	3
	Elective - II (Select Any Two)		
USCS504	Information and Network Security	3	3
USCS505	Architecting of IoT	3	3
USCS506	Web Services	3	3
	Skill Enhancement		
USCS507	Game Programming	2	3
	Practical		
USCSP501	Practical of Elective - I	2	6
USCSP502	Practical of Elective - II	2	6
USCSP503	Project Implementation	1	3
USCSP504	Practical of Skill Enhancement : USCS507	1	3
Total Credits : 20			

Semester - VI			
Course Code	Topics	Credits	Lectures / Week
	Elective - I (Select Any Two)		
USCS601	Wireless Sensor Networks and Mobile Communication	3	3
USCS602	Cloud Computing	3	3
USCS603	Cyber Forensics	3	3
	Elective - II (Select Any Two)		
USCS604	Information Retrieval	3	3
USCS605	Digital Image Processing	3	3
USCS606	Data Science	3	3
	Skill Enhancement		
USCS607	Ethical Hacking	2	3
	Practical		
USCSP601	Practical of Elective - I	2	6
USCSP602	Practical of Elective - II	2	6
USCSP603	Project Implementation	1	3
USCSP604	Practical of Skill Enhancement : USCS607	1	3
Total Credits : 20			

Note : Revised syllabus is under active consideration of the Mumbai University which may change Nomenclature and Marks in different Subject

FEES STRUCTURE :

YEARLY FEES

F.Y.B.Sc. (Computer Science) Rs. 24,844/-	S.Y.B.Sc. (Computer Science) Rs. 25,974/-	T.Y.B.Sc. (Computer Science) Rs. 28,224/-
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Note : * Fee revision is subject to changes in University fee structure from time to time.
DD in favour of - The Principal, Shankar Narayan College of B.Sc. C.S.

B. M. S. / B. B. I. / B. A. F. / B. F. M.

ELIGIBILITY :

- i) Students who have appeared for HSC Examination or its equivalents are eligible. However, they will be eligible for admission to the F.Y.B.M.S. / B.I. / A.F. / F.M. degree course provided they have secured minimum 45% marks at the H.S.C. examination or its equivalents in the general category (at the first attempt) and minimum 40% marks for the reserved category (at the first attempt)
- ii) Every candidate admitted to the Degree Course in the constituent/ affiliated college / recognised institution conducting the course, shall have to register himself / herself with the University of Mumbai.

SCHEME OF EXAMINATION :

Credit Based Evaluation System

The performance of the learners shall be evaluated in two components: One component will be the Internal Assessment component carrying 25% marks and the second component will be the Semester-wise End Examination component carrying 75% marks. The allocation of marks for the Internal Assessment and Semester End Examinations will be as shown below :-

A) Internal Assessment - 25%

25 Marks

For Courses without Practical

Sr. No.	Particulars	Marks
1.	One class tests *	20 Marks
2.	Active participation in routine class instructional deliveries and overall conduct as a responsible learner, mannerism and articulation and exhibit of leadership qualities in organizing related academic activities	05 Marks

For Courses with Practical

Sr. No.	Particulars	Marks
1.	Semester End Practical Examination	20 Marks
	Journal	05 Marks
	Viva	05 Marks
	Laboratory Work	10 Marks
2.	Active participation in routine class instructional deliveries and overall conduct as a responsible learner, mannerism and articulation and exhibit of leadership qualities in organizing related academic activities	05 Marks

b) Semester End Examinations - 75%**75 Marks**

- i) Duration - These examinations shall be of 2.5 Hours duration
- ii) Theory question paper pattern
 - There shall be five questions each of 15 marks.
 - All questions shall be compulsory with internal choice within the questions.
 - Question may be subdivided into sub-questions a, b, c... and the allocation of marks depends on the weightage of the topic.

PASSING STANDARD :

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment and Semester End Examination. The learners shall obtain minimum of 40% marks (i.e. 10 out of 25) in the Internal Assessment and 40% marks in Semester End Examination (i.e. 30 Out of 75) separately, to pass the course and minimum of Grade E to pass a particular semester. A learner will be said to have passed the course if the learner passes the Internal Assessment and Semester End Examination together.

Note :*Question Paper Pattern for Periodical Class Test for Courses at UG Programmes Written Class Test (20 Marks)**

1.	Match the Column / Fill in the Blanks / Multiple Choice Questions (½ Marks each)	05 Marks
2.	Answer in One or Two Lines (Concept based Questions) (1 Mark each)	05 Marks
3.	Answer in Brief (Attempt Any Two of the Three) (5 Marks each)	10 Marks

Eligibility norms to appear for the additional class test or assignment for learners who remained absent :

- The learner must apply to the Head of the Institution giving the reason(s) for absence within 8 days of the conduct of the examination along with the necessary documents and testimonials.
- If the learner is absent for participation in Inter Collegiate events, State or National or International level events, Training camp or coaching camp organized by authorized university or state or national or international bodies, NSS / NCC Events / Camps / cultural activities / sports activities / research festival or any other activities authenticated by the head of the institution, the head of the Institution shall generally grant permission to the learner to appear for the additional class test or assignment.
- The Head of the Institution, on scrutiny of the documents and testimonials, may grant the permission to the learner to appear for the additional examination.

Responsibility of Assessment

- The assessment of Part "A" i.e. Internal Assessment as mentioned above for the Semester I to IV shall be processed by the Colleges / Institutions of their learners admitted for the programme. The University shall conduct the assessment of Part "B" i.e. the Semester End Examination for Semesters I to IV, and issue the grade cards to them after the conversion of marks into grade as per the procedure mentioned in this manual. The format of the grade card is given in the Chapter 5 of this manual to maintain the uniformity across the all colleges for the examinations conducted by the colleges on behalf of the University.
- The assessment of Part "A" i.e. Internal Assessment as mentioned above for the Semester V & VI shall be processed by the Colleges / Institutions of their learners admitted for the programme while the University shall conduct the assessment of Part "B" i.e. the Semester End Examination for Semesters V & VI. The Internal Assessment marks of learners appearing for semester V & VI shall be submitted to the University by the respective colleges/ Institutions before the commencement of respective, Semester End Examinations. The results shall be declared by the University after processing the marks obtained by the learner in the Internal Assessment and the marks awarded to the learners in Semester End Examination. The grade card shall be issued by the University after converting the marks into grades.

PERFORMANCE GRADING :

The PERFORMANCE GRADING of the learner shall be on the SEVEN point Grading system as under :

Marks Out of 50			
Marks	Grade Points	Grade	Performance
40 and above	10	O	Outstanding
35 - 39.99	9	A+	Excellent
30 - 34.99	8	A	Very Good
27.5 - 29.99	7	B+	Good
25 - 27.49	6	B	Above Average
22.5 - 24.99	5	C	Average
20 - 22.49	4	D	Pass
Less than 20	0	F	Fail

Marks Out of 100			
Marks	Grade Points	Grade	Performance
80 and above	10	O	Outstanding
70 - 79.99	9	A+	Excellent
60 - 69.99	8	A	Very Good
55 - 59.99	7	B+	Good
50 - 54.49	6	B	Above Average
45 - 49.99	5	C	Average
40 - 44.49	4	D	Pass
Less than 40	0	F	Fail

Overall Grade Table		
Marks	Grade	Performance
10	O	Outstanding
9.0 - 9.99	A+	Excellent
8.0 - 8.99	A	Very Good
7.0 - 7.99	B+	Good
6.0 - 6.99	B	Above Average
5.0 - 5.99	C	Average
4.0 - 4.99	D	Pass

The performance the aggregate Assessment and grading shall be based on performance of Internal Semester End Examination.

Carry Forward of the Marks in Case if the Learner Fails in One or the More Courses :

- A learner who passes in the Internal Examination but fails in the Semester End Examination of the course shall reappear for the Semester End Examination of that course. However his/her marks of the Internal Examinations shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.
- A learner who passes in the Semester End Examination but fails in the Internal Assessment of the course shall reappear for the Internal Examination of that course. However his/her marks of the Semester End Examination shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.
- **a) For Courses without practical**
In case of learner who is reappearing for the Internal Examination, the examination will consist of one project of 40 marks which will be divided into 20 marks for the documentation of the project, 10 marks for the presentation and 10 marks for the viva and the interaction.
- **b) For Courses with practicals**
In case of learner who is reappearing for the Internal Examination for subjects with Practical, the examinations will consist of practical examination of 40 marks which will be divided into 20 marks for the machine work / laboratory work, 10 marks for the Viva Voice Examination and 10 marks for the Journal.

ALLOWED TO KEEP TERMS (ATKT) :

- A learner shall be allowed to keep term for Semester II irrespective of number of courses of failure in the Semester I.
- A learner shall be allowed to keep term for Semester III if he/she passes each of Semester I and Semester II.

OR

A learner fails in not more than two courses of Semester I and Semester II taken together.

- A learner shall be allowed to keep term for Semester IV irrespective of number of courses of failure in Semester III. However, the learner has to pass each of Semester I and Semester II in order to appear for Semester IV.
- A learner shall be allowed to keep term for Semester V if he/she passes Semester I, Semester II, Semester III and Semester IV.

OR

A learner shall pass Semester I and Semester II and fails in not more than two courses of Semester III and Semester IV taken together.

- A learner shall be allowed to keep term for Semester VI irrespective of number of courses of failure in the Semester V.
- The learner can appear for the semester VI examination but the result of Semester VI shall be kept in abeyance until the learner passes each of Semester I, Semester II, Semester III, Semester IV and Semester V.

PROJECT EVALUATION : (T.Y. BMS, T.Y. BFM, T.Y. BBI)

- A learner who PASSES IN ALL THE COURSES BUT DOES NOT secures minimum grade of E in project as applicable has to resubmit a fresh project for evaluation till he/she secures a minimum of grade E His/her marks in the theory papers that the learner has passed will be carried forward and he/she shall be entitled for grade obtained by him/her on passing.
- The evaluation of project and viva-voce examination shall be by awarding grade in the seven point scale as given in the grade point table.
- A learner shall have to obtain minimum of Grade "E" (or its equivalent marks) in project evaluation and viva voce taken together.

INTRODUCTION : B.M.S.

The college has introduced this three year Degree Course from the Academic year 2003-2004. The eligibility, duration, semester wise papers & structures are as follows.

COURSE STRUCTURE :

Structure of the Programme with Credit System

No. of Courses	Semester I	Credits	No. of Courses	Semester II	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1	Introduction to Financial Accounts	03	1	Principles of Marketing	03
2	Business Law	03	2	Industrial Law	03
3	Business Statistics	03	3	Business Mathematics	03
2	Ability Enhancement Courses (AEC)		2	Ability Enhancement Courses (AEC)	
2A	Ability Enhancement Compulsory Course (AECC)		2A	Ability Enhancement Compulsory Course (AECC)	
4	Business Communication - I	03	4	Business Communication - II	03
2B	*Skill Enhancement Courses (SEC)		2B	**Skill Enhancement Courses (SEC)	
5	Any one course from the following list of courses	02	5	Any one course from the following list of courses	02
3	Core Courses (CC)		3	Core Courses (CC)	
6	Foundation of Human Skills	03	6	Business Environment	03
7	Business Economics - I	03	7	Principles of Management	03
Total Credits		20	Total Credits		20

*List of Skill Enhancement Courses (SEC) for Semester I (Any One)		**List of Skill Enhancement Courses (SEC) for Semester II (Any One)	
1	Foundation Course - I	1	Foundation Course - Value Education and Soft Skill - II
2	Foundation Course in NSS - I	2	Foundation Course in NSS - II
3	Foundation Course in NCC - I	3	Foundation Course in NCC - II
4	Foundation Course in Physical Education - I	4	Foundation Course in Physical Education - II
Note : Course selected in Semester I will continue in Semester II			

No. of Courses	Semester III	Credits	No. of Courses	Semester IV	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1 & 2	*Any one group of courses from the following list of the courses	06	1 & 2	**Any one group of courses from the following list of the courses	06
2	Ability Enhancement Courses (AEC)		2	Ability Enhancement Courses (AEC)	
3	Information Technology in Business Management - I	02	3	Information Technology in Business Management - II	02
3	Core Courses (CC)		3	Core Courses (CC)	
4	Environmental Management	03	4	Business Economics - II	03
5	Business Planning & Entrepreneurial Management	03	5	Business Research Methods	03
6	Accounting for Managerial Decisions	03	6	Ethics & Governance	03
7	Strategic Management	03	7	Production & Total Quality Mangt.	03
	Total Credits	20		Total Credits	20

<i>*List of Skill Enhancement Courses (SEC) for Semester III (Any One)</i>		<i>**List of Skill Enhancement Courses (SEC) for Semester IV (Any One)</i>	
Group A : Finance Electives (Any Two Courses)			
1	Basics of Financial Services	1	Financial Institutions & Markets
2	Introduction to Cost Accounting	2	Auditing
3	Equity & Debt Market	3	Strategic Cost Management
4	Corporate Finance	4	Behavioural Finance
Group B : Marketing Electives (Any Two Courses)			
1	Consumer Behaviour	1	Integrated Marketing Communication
2	Product Innovations Management	2	Rural Marketing
3	Advertising	3	Event Marketing
4	Social Marketing	4	Tourism Marketing
Group C : Human Resource Electives (Any Two Courses)			
1	Recruitment & Selection	1	Human Resource Planning & Information System
2	Motivation and Leadership	2	Training & Development in HRM
3	Employees Relations & Welfare	3	Change Management
4	Organisation Behaviour & HRM	4	Conflict & Negotiation
Note : Group selected in Semester III will continue in Semester IV			

No. of Courses	Semester V	Credits	No. of Courses	Semester VI	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1,2,3 & 4	Four courses from the following list of the courses	12	1,2,3 & 4	Four courses from the following list of the courses	12
2	Core Course (CC)		2	Core Course (CC)	
5	Logistics & Supply Chain Management	04	5	Operation Research	04
3	Ability Enhancement Course (AEC)		3	Ability Enhancement Course (AEC)	
6	Corporate Communication & Public Relations	04	6	Project Work	04
	Total Credits	20		Total Credits	20

✓ **Note :** Project work is considered as a special course involving application of knowledge in solving / analysing / exploring a real life situation / difficult problem. Project work would be of 04 credits. A project work may be undertaken in any area of Elective Courses / Study area selected

<i>*List of group of Elective Courses (EC) for Semester V</i>		<i>**List of group of Elective Courses (EC) for Semester VI</i>	
Group A : Finance Electives			
1	Investment Analysis & Portfolio Management	1	International Finance
2	Commodity & Derivatives Market	2	Innovative Financial Services
3	Wealth Management	3	Project Management
4	Risk Management	4	Strategic Financial Management
Group B : Marketing Electives			
1	Services Marketing	1	Brand Management
2	E-Commerce & Digital Marketing	2	Retail Management
3	Customer Relationship Management	3	International Marketing
4	Sales & Distribution Management	4	Media Planning & Management
Group C : Human Resource Electives			
1	Finance for HR Professionals & Compensation Management	1	HRM in Global Perspective
2	Strategic Human Resource Management & HR Policies	2	Organisational Development
3	Performance Management & Career Planning	3	HRM in Service Sector Management
4	Industrial Relations	4	Indian Ethos in Management
<i>Note : Group selected in Semester III will continue in Semester V & Semester VI</i>			

FEES STRUCTURE :

YEARLY FEES

F.Y.B.M.S.	Rs. 18,544/-
S.Y.B.M.S.	Rs. 17,474/-
T.Y.B.M.S.	Rs. 18,224/-

Note : * Fee revision is subject to changes in University fee structure from time to time.
DD in favour of - The Principal, Shankar Narayan College of B.M.S.

INTRODUCTION : B. Com. & Banking & Insurance

The college has introduced this Three-Year Degree Course from the academic year 2004-2005. This course provides self-employment opportunities for its graduates. The eligibility, duration, semester-wise paper & fee structure are as follows:

COURSE STRUCTURE :

No. of Courses	Semester I	Credits	No. of Courses	Semester II	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1	Environment and Management of Financial Services.	03	1	Principles and Practices of Banking & Insurance	03
2	Principles of Management	03	2	Business Law	03
3	Financial Accounting - I	03	3	Financial Accounting - II	03
2	Ability Enhancement Courses (AEC)		2	Ability Enhancement Courses (AEC)	
2A	Ability Enhancement Compulsory Course (AECC)		2A	Ability Enhancement Compulsory Course (AECC)	
4	Business Communication - I	03	4	Business Communication - II	03
2B	*Skill Enhancement Courses (SEC)		2B	**Skill Enhancement Courses (SEC)	
5	Any one course from the following list of courses	02	5	Any one course from the following list of courses	02
3	Core Courses (CC)		3	Core Courses (CC)	
6	Business Economics - I	03	6	Organisational Behaviour	03
7	Quantitative Methods - I	03	7	Quantitative Methods - II	03
	Total Credits	20		Total Credits	20

*List of Skill Enhancement Courses (SEC) for Semester I (Any One)		**List of Skill Enhancement Courses (SEC) for Semester II (Any One)	
1	Foundation Course - I	1	Foundation Course - II
2	Foundation Course in NSS - I	2	Foundation Course in NSS - II
3	Foundation Course in NCC - I	3	Foundation Course in NCC - II
4	Foundation Course in Physical Education - I	4	Foundation Course in Physical Education - II
Note : Course selected in Semester I will continue in Semester II			

No. of Courses	Semester III	Credits	No. of Courses	Semester IV	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1, 2&3	*Any three courses from the following list of the courses	09	1, 2&3	**Any three courses from the following list of the courses	09
2	Ability Enhancement Courses (AEC)		2	Ability Enhancement Courses (AEC)	
4	Information Technology in Banking & Insurance - I	02	4	Information Technology in Banking & Insurance - II	02
3	Core Courses (CC)		3	Core Courses (CC)	
5	Laws Governing Banking & Insurance	03	5	Corporate Laws & laws Governing Capital Market	03
6	Financial Market (Equity, Debt, Forex and Derivatives)	03	6	Universal Banking	03
7	Taxation of Financial Services	03	7	Business Economics - II	03
	Total Credits	20		Total Credits	20

*List of Skill Enhancement Courses (SEC) for Semester III (Any One)		**List of Skill Enhancement Courses (SEC) for Semester IV (Any One)	
1	Financial Management - I	1	Financial Management - II
2	Management Accounting (Tools & Techniques, Focus on Banking & Insurance)	2	Financial Market (Equity, Debt, Forex and Derivatives)
3	Organizational Behaviour	3	Customer Relationship Management
4	Risk Management	4	Cost Accounting of Banking & Insurance
5	Mutual Fund Management	5	Entrepreneurship Management

No. of Courses	Semester V	Credits	No. of Courses	Semester VI	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1, 2, 3 & 4	*Any four courses from the following list of the courses	12	1, 2, 3 & 4	**Any four courses from the following list of the courses	12
2	Core Courses (CC)		2	Core Courses (CC)	
5	International Banking and Finance	04	5	Central Banking	04
3	Ability Enhancement Courses (AEC)		3	Ability Enhancement Courses (AEC)	
6	Research Methodology	04	6	Project Work In Banking & Insurance	04
	Total Credits	20		Total Credits	20

✓ **Note :** Project work is considered as a special course involving application of knowledge in solving / analysing / exploring a real life situation / difficult problem. Project work would be of 04 credits each. A project work may be undertaken in any area of Elective Courses / Study Area

*List of Elective Courses for Semester V (Any Four)		**List of Elective Courses for Semester VI (Any Four)	
1	Financial Reporting & Analysis	1	Security Analysis and Portfolio Management
2	Auditing	2	Auditing - II
3	Strategic Management	3	Human Resource Management
4	Financial Services Management	4	Turnaround Management
5	Business Ethics and Corporate Governance	5	International Business
6	Actuarial Analysis in Banking & Insurance	6	Marketing in Banking & Insurance
Note : Group selected in Semester V will continue in Semester VI			

FEES STRUCTURE :

YEARLY FEES

F.Y.B.Com. (Banking & Insurance)	Rs. 19,844/-
S.Y.B.Com. (Banking & Insurance)	Rs. 17,774/-
T.Y.B.Com. (Banking & Insurance)	Rs. 18,824/-

Note : * Fee revision is subject to changes in University fee structure from time to time.
DD in favour of - The Principal, Shankar Narayan College of B.Com. B. & I.

INTRODUCTION : B. Com. Accounting & Finance

The college introduced a degree course in Accounting and Finance in 2004-05. Today each and every industry needs the expert professional in Accounting and Finance, and to fulfill the much desired need, the college initiated the course. The eligibility, duration, course structure, scheme of examination of the course etc are as follows :

COURSE STRUCTURE :

Structure of the Programme with Credit System

No. of Courses	Semester I	Credits	No. of Courses	Semester II	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1	Financial Accounting (Elements of Financial Accounting) - I	03	1	Financial Accounting (Special Accounting Areas) - II	03
2	Cost Accounting (Introduction and Element of cost) - I	03	2	Auditing (Introduction and Planning) - I	03
3	Financial Management (Introduction to Financial Management) - I	03	3	Innovative Financial Services (Revised and to be implemented from 2018-2019)	03
2	Ability Enhancement Courses (AEC)		2	Ability Enhancement Courses (AEC)	
2A	Ability Enhancement Compulsory Course (AECC)		2A	Ability Enhancement Compulsory Course (AECC)	
4	Business Communication - I	03	4	Business Communication - II	03
2B	*Skill Enhancement Courses (SEC)		2B	**Skill Enhancement Courses (SEC)	
5	Any one course from the following list of courses	02	5	Any one course from the following list of courses	02
3	Core Courses (CC)		3	Core Courses (CC)	
6	Commerce (Business Environment) - I	03	6	Business Law (Business Regulatory Framework) - I	03
7	Business Economics - I	03	7	Business Mathematics	03
	Total Credits	20		Total Credits	20

*List of Skill Enhancement Courses (SEC) for Semester I (Any One)		**List of Skill Enhancement Courses (SEC) for Semester II (Any One)	
1	Foundation Course - I	1	Foundation Course - II
2	Foundation Course in NSS - I	2	Foundation Course in NSS - II
3	Foundation Course in NCC - I	3	Foundation Course in NCC - II
4	Foundation Course in Physical Education - I	4	Foundation Course in Physical Education - II
Note : Course selected in Semester I will continue in Semester II			

No. of Courses	Semester III	Credits	No. of Courses	Semester IV	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1, 2&3	*Any three courses from the following list of the courses	09	1, 2&3	**Any three courses from the following list of the courses	09
2	Ability Enhancement Courses (AEC)		2	Ability Enhancement Courses (AEC)	
2A	Ability Enhancement Compulsory Course (AECC)		2A	Ability Enhancement Compulsory Course (AECC)	
4	Information Technology in Accountancy - I	03	4	Information Technology in Accountancy - II	03
2B	*Skill Enhancement Courses (SEC)		2B	*Skill Enhancement Courses (SEC)	
5	Any one course from the following list of the courses	02	5	Any one course from the following list of the courses	02
3	Core Courses (CC)		3	Core Courses (CC)	
6	Business Law (Business Regulatory Framework) - II	03	6	Business Law (Company Law) - III	03
7	Business Economics - II	03	7	Research Methodology in Accounting and Finance	03
	Total Credits	20		Total Credits	20

*List of Skill Enhancement Courses (SEC) for Semester III (Any One)		**List of Skill Enhancement Courses (SEC) for Semester IV (Any One)	
1	Foundation Course in Commerce (Financial Market Operations) - III	1	Foundation Course in Management (Introduction to Management) - IV
2	Foundation Course-Contemporary Issues-III	2	Foundation Course-Contemporary Issues-IV
3	Foundation Course in NSS - III	3	Foundation Course in NSS - IV
4	Foundation Course in NCC - III	4	Foundation Course in NCC - IV
5	Foundation Course in Physical Education-III	5	Foundation Course in Physical Education-IV

*List of Elective Courses (EC) for Semester III (Any Three)		**List of Elective Courses (EC) for Semester IV (Any Three)	
1	Financial Accounting (Special Accounting Areas) - III	1	Financial Accounting (Special Accounting Areas) - IV
2	Cost Accounting (Methods of Costing) - II	2	Management Accounting (Introduction to Management Accounting)
3	Auditing (Techniques of Auditing and Audit Procedures) - II	3	Auditing - III
4	Taxation - II (Direct Taxes Paper - I)	4	Taxation - III (Direct Taxes - II)
5	Principles & Practices of Banking	5	Wealth Management
Note : Course selected in Semester III will continue in Semester IV			

No. of Courses	Semester V	Credits	No. of Courses	Semester VI	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1, 2, 3 & 4	*Any four courses from the following list of the courses	12	1, 2, 3 & 4	**Any four courses from the following list of the courses	12
2	Core Courses (CC)		2	Core Courses (CC)	
5	Financial Accounting - V	04	5	Financial Accounting - VII	04
6	Financial Accounting - VI	04	6	Project Work - II	04
	Total Credits	20		Total Credits	20

✓ **Note :** Project work is considered as a special course involving application of knowledge in solving / analysing / exploring a real life situation / difficult problem. Project work would be of 04 credits each. A project work may be undertaken in any area of Elective Courses / Study Area

*List of Elective Courses for Semester V (Any Four)		**List of Elective Courses for Semester VI (Any Four)	
1	Cost Accounting - III	1	Cost Accounting - IV
2	Financial Management - II	2	Financial Management - III
3	Taxation - IV (Indirect Taxes - II)	3	Taxation - V (Indirect Taxes - III)
4	International Finance	4	Security Analysis and Portfolio Management
5	Financial Analysis and Business Valuation	5	Management Control Systems
6	Management - II (Management Applications)	6	Economics Paper - III (Indian Economy)
Note : Course selected in Semester V will continue in Semester VI			

FEES STRUCTURE :

YEARLY FEES

F.Y.B.Com. (Accounting & Finance)	Rs. 18,844/-
S.Y.B.Com. (Accounting & Finance)	Rs. 17,774/-
T.Y.B.Com. (Accounting & Finance)	Rs. 18,524/-

Note : * Fee revision is subject to changes in University fee structure from time to time.
DD in favour of - The Principal, Shankar Narayan College of B. Com. A. & F.

INTRODUCTION : B. Com. Financial Markets

The Bachelor of Commerce (B.Com.) Financial Markets Degree Course (Semester I to " VI) has been introduced by the University of Mumbai from the academic year 2009-10.

Shankar Narayan Education Trust has launched this course - B.Com. (Financial Markets) from the academic year 2008-09 with the objective of creating additional avenue of self employment to the students and to provide suitable and trained persons for financial service sector.

Service sector is increasing its role day-by-day in Indian Economy. The major role in the service sector is played by the financial services. Financial services providers are the im-portant parts of the financial markets F II, FDI, MNCs, FBs, Infrastructural Developments in the country through the support of the Government and private undertakings opening up of the markets in the globalised era, increasing importance of the stock market operations, trading and commercial activities in Mumbai and surrounding areas, formation of SEZ, Development of Twin Mega Cities, increasing role of LT., and B.T.Parks, Applications of LT. in Business Operations, BPO to KPO, International Air and Sea Parts, all these have compelled new gen-erations to learn these services.

COURSE STRUCTURE :

Structure of the Programme with Credit System

No. of Courses	Semester I	Credits	No. of Courses	Semester II	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1	Financial Accounting - I	03	1	Financial Accounting - II	03
2	Introduction to Financial System	03	2	Principles of Management	03
3	Business Mathematics	03	3	Business Statistics	03
2	Ability Enhancement Courses (AEC)		2	Ability Enhancement Courses (AEC)	
2A	Ability Enhancement Compulsory Course (AECC)		2A	Ability Enhancement Compulsory Course (AECC)	
4	Business Communication - I	03	4	Business Communication - II	03
2B	*Skill Enhancement Courses (SEC)		2B	**Skill Enhancement Courses (SEC)	
5	Any one course from the following list of courses	02	5	Any one course from the following list of courses	02
3	Core Courses (CC)		3	Core Courses (CC)	
6	Business Environment	03	6	Environmental Science	03
7	Business Economics - I	03	7	Computer Skills - I	03
Total Credits		20	Total Credits		20

*List of Skill Enhancement Courses (SEC) for Semester I (Any One)		**List of Skill Enhancement Courses (SEC) for Semester II (Any One)	
1	Foundation Course - I	1	Foundation Course - II
2	Foundation Course in NSS - I	2	Foundation Course in NSS - II
3	Foundation Course in NCC - I	3	Foundation Course in NCC - II
4	Foundation Course in Physical Education - I	4	Foundation Course in Physical Education - II
Note : Course selected in Semester I will continue in Semester II			

No. of Courses	Semester III	Credits	No. of Courses	Semester IV	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1, 2&3	*Any three courses from the following list of the courses	09	1, 2&3	**Any three courses from the following list of the courses	09
2	Ability Enhancement Courses (AEC)		2	Ability Enhancement Courses (AEC)	
4	Computers	03	4	Business Economics	03
3	Core Courses (CC)		3	Core Courses (CC)	
5	Management Accounting	03	5	Corporate Finance	03
6	Business Law - I	03	6	Business Law - II	03
7	Money Market	03	7	Foreign Exchange Markets	03
Total Credits		20	Total Credits		20

*List of Skill Enhancement Courses (SEC) for Semester III (Any One)		**List of Skill Enhancement Courses (SEC) for Semester IV (Any One)	
1	Debt Markets - I	1	Debt Markets - II
2	Equity Markets - I	2	Equity Markets - II
3	Portfolio Management	3	Commodities Derivatives
4	Investment Banking	4	Merchant Banking
5	Treasury Management	5	Personal Financial Planning
Note : Course selected in Semester III will continue in Semester IV			

No. of Courses	Semester V	Credits	No. of Courses	Semester VI	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1, 2, 3 & 4	Four courses from the following list of the courses	12	1, 2, 3 & 4	Four courses from the following list of the courses	12
2	Core Courses (CC)		2	Core Courses (CC)	
5	Financial Derivatives	04	5	Risk Management	04
6	Business Ethics and Corporate Governance	04	6	Project Work	04
	Total Credits	20		Total Credits	20

✓ **Note :** Project work is considered as a special course involving application of knowledge in solving / analysing / exploring a real life situation / difficult problem. Project work would be of 04 credits each. A project work may be undertaken in any area of Elective Courses / Study Area

*List of Elective Courses for Semester V (Any Four)		**List of Elective Courses for Semester VI (Any Four)	
1	Marketing in financial Services	1	Venture Capital and Private Equity
2	Technical analysis	2	Mutual Fund Management
3	Corporate Accounting	3	Strategic Corporate Finance
4	Direct Tax - Income Tax	4	Corporate Restructuring
Note : Course selected in Semester V will continue in Semester VI			

FEES STRUCTURE :

YEARLY FEES

F.Y.B.Com (Financial Market)	Rs. 18,844 per year.
S.Y.B.Com (Financial Market)	Rs. 17,774 per year.
T.Y.B.Com (Financial Market)	Rs. 18,524 per year.

Note : * Fee revision is subject to changes in University fee structure from time to time.
DD in favour of - The Principal, Shankar Narayan College of B.Com. F. & M.

MASTER OF SCIENCE IN INFORMATION TECHNOLOGY (M.Sc. - I.T.)

INTRODUCTION :

Master of Science in Information Technology is a degree awarded for the completion of a post graduate programme in information technology.

Post Graduate Degree in Information Technology has been started from the **academic year 2007-08**, till date **291 students successfully completed M.Sc. IT** from our college, which is affiliated to the University of Mumbai and recognized by the Govt. of Maharashtra. Admission will be given strictly on merit and on priority basis subject to reservation of seats as per rules.

Many employers require software developers or programmers, Network Administrators, Database Managers to have Master of Science in information technology degree or an equivalent degree.

Generally software and information technology companies demanding for fully qualified post graduated people who have strong knowledge of Artificial Intelligence, system analysis, software testing skills, Big Data Analyst and Cloud Computing Experts.

The primary objective of M.Sc. IT conducted by Shankar Narayan College as per the syllabus designed by University of Mumbai is to teach practical and technical skills that are required to become software professional.

The Computer Laboratory has been well equipped with instruments and well qualified faculty which has an appetite for good results productive development.

AIMS & OBJECTIVES:

- To provide a systematic study of the theory and principles of programming and software engineering, computer hardware and software technologies, and the role of computing systems in organizations.
- To develop an ability to analyze computing problems and formulate practical solutions to these problems, coupled with the ability to critically evaluate the approach and techniques used.
- To provide opportunities for the development of practical skills in software development in a business/industrial context.

INFRASTRUCTURE :

College offered Spacious library, well equipped laboratory, ICT, Gymkhana, Canteen, Facilities for differently abled individuals.

DURATION:

- The course is a full time course.
- Two years course inclusive with four semesters.
- A batch shall consist of not more than 20 students.

INTAKE CAPACITY:

40 Students (Two Divisions 20 students each) for first year and second year each.

ELIGIBILITY:

For admission to M.Sc. IT, the following conditions will apply:

- There will be 20 seats per batch. All the admissions will be on merit (i.e. percentage of aggregate marks secured for the qualifying examination). Reservation criterion should be followed as prescribed by government at the time of admission.
- Students securing minimum 40 percent marks at the three year B.Sc. degree in Information Technology of Mumbai university or any recognized university are eligible

Or BSc (CS), BSc (Physics), BSc (Stats) with 40 percent marks

Or BE in IT or Electronics and Telecomm with minimum 45 percent marks

BE degree in Information Technology with 40 percent marks, BCA with 40 percent marks

Registration as postgraduate student : Every candidate admitted for M.Sc. IT will have to register as a postgraduate student of Mumbai University.

COURSE STRUCTURE:

It is Two Years Integrated Programme inclusive of Four Semesters with Course Structure under Credit Based Semester and Grading System.

M.Sc. I.T. Part – I

Subjects : **M.Sc. IT (Semester - I)**

Course Code	Course Title	Credits
PSIT101	Research in Computing	04
PSIT102	Data Science	04
PSIT103	Cloud Computing	04
PSIT104	Soft Computing Techniques	04
PSIT1P1	Research in Computing Practical	02
PSIT1P2	Data Science Practical	02
PSIT1P3	Cloud Computing Practical	02
PSIT1P4	Soft Computing Techniques Practical	02
	Total	24

Subjects : **M.Sc. IT (Semester - II)**

Course Code	Course Title	Credits
PSIT201	Big Data Analytics	04
PSIT202	Modern Networking	04
PSIT203	Microservices Architecture	04
PSIT204	Image Processing	04
PSIT2P1	Big Data Analytics Practical	02
PSIT2P2	Modern Networking Practical	02
PSIT2P3	Microservices Architecture Practical	02
PSIT2P4	Image Processing Practical	02
	Total	24

M.Sc. I.T. Part - II

Artificial Intelligence Track
Image Processing Track
Cloud Computing Track
Security Track

M.Sc. IT (Semester - III)

Course Code	Theory	Credit	Course Code	Practical	Credit
PSIT301	Technical Writing and Entrepreneurship Development	4	PSIT3P1	Project Documentation and Viva	2
Elective 1 : Select Any one from the courses listed below along with corresponding practical course					
PSIT302a	Applied Artificial Intelligence	4	PSIT3P2a	Practical	2
PSIT302b	Computer Vision		PSIT3P2b	Practical	
PSIT302c	Cloud Application Development		PSIT3P2c	Practical	
PSIT302d	Security Breaches and Countermeasures		PSIT3P2d	Practical	
Elective 2 : Select Any one from the courses listed below along with corresponding practical course					
PSIT303a	Machine Learning	4	PSIT3P3a	Practical	2
PSIT303b	Biomedical Image Processing		PSIT3P3b	Practical	
PSIT303c	Cloud Management		PSIT3P3c	Practical	
PSIT303d	Malware Analysis		PSIT3P3d	Practical	
Elective 3 : Select Any one from the courses listed below along with corresponding practical course					
PSIT304a	Robotic Process Automation	4	PSIT3P4a	Practical	2
PSIT304b	Virtual Reality and Augmented Reality		PSIT3P4b	Practical	
PSIT304c	Data Center Technologies		PSIT3P4c	Practical	
PSIT304d	Offensive Security		PSIT3P4d	Practical	
	Total Theory Credits	16		Total Practical Credits	8
Total Credits for Semester III : 24					

M.Sc. IT (Semester - IV)

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

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

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

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

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

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

SCHEME OF EVALUATION:

M.Sc. I.T Part I :

- Internal : 40 Marks / Paper Internal Assessment
- Theory : 60 Marks / Paper (Mumbai University Examination)
- Practical : 50 Marks / Paper (Mumbai University Examination)

M.Sc. I.T Part II :

- Internal : 40 Marks / Paper Internal Assessment
- Theory : 60 marks / Paper (Mumbai University Examination)
- Practical : 50 Marks / Paper (Mumbai University Examination)
- Project : 100 Marks (Evaluated by Mumbai University)

PERFORMANCE GRADING:

% of Marks obtained out of 100	Grade	Grade Points
≥ 80	O	10
$\geq 70\& < 80$	A+	9
$\geq 60\& < 70$	A	8
$\geq 55\& < 60$	B+	7

% of Marks obtained out of 100	Grade	Grade Points
$\geq 50\& < 55$	B	6
$\geq 45\& < 50$	C	5
$\geq 40\& < 45$	D	4
< 40	F	0

LIST OF REQUIRED DOCUMENTS:

A. For application along with the duly filled form:

- Photocopies of mark sheet of Graduations B.Sc. C.S. / I.T. / BCS / B.E. (IT / ELECTRONICS) examination (all six Semesters)
- Photocopies of mark sheet of HSC examination
- Photocopy of Aadhaar Card
- Photocopy of Electricity bill/ Ration card
- Photocopy of HSC leaving Certificate
- Caste Certificate, if applicable
- Any other certificate for claiming benefit in admission under different quota like Sports, Cultural Activities, Physically handicapped, Freedom Fighter etc.
- In case of students from boards other than Maharashtra Board, "Provisional statement of Eligibility" issued by the University of Mumbai is necessary for acceptance of the application form.

B. For confirmation of admission

- Originals of the above mentioned documents.
- Passport size colour photographs 02 (recent)
- Admission is confirmed on payment of fees.

NOTE : Students can cancel the admissions, and the documents will be returned immediately or at least within 48 working hours.

FEES STRUCTURE :

YEARLY FEES

For M.Sc part I :	Rs. 37,198 per year.
For M.Sc part II :	Rs. 35,623 per year.

Note:

- Fees revision is subject to change in University structure from time to time
- Fees includes both semesters regular University Examination fees
- DD should be drawn in favour of "The Principal, Shankar Narayan College of M.Sc.-I.T. "
- For more detail login college website : <http://www.sncollege.com>
Email : info@sncollege.com

Post Graduate Course M. Com. in Advanced Accountancy

INTRODUCTION :

It is an added advantage to Commerce graduates seeking higher education and residing in Mira Bhayander and surrounding area, the Visionary Management took initiative by commencing Master of Commerce from the academic year 2013-14. It is Two Years Integrated Programme inclusive of Four Semesters with Course Structure under Choice Based Credit, Grading and Semester System .The College is affiliated to University of Mumbai.

ELIGIBILITY CRITERIA :

- A learner for being eligible for admission to the Post Graduate Programme i.e. Master of Commerce, shall have passed the examination for the degree of Bachelor of Commerce (three years / Six Semester integrated course) or the degree B. Com. (Old Course) or the other Semester based Programmes i.e. Bachelor of Commerce (Banking & Insurance) or Bachelor of Commerce (Accounting & Finance) or Bachelor of Commerce (Financial Markets) or Bachelor of Management Studies (B.M.S.) of this University, or an examination of any other University recognized as equivalent thereto.
- The duration of the M. Com. Programme shall be of two years consisting of Four (04) Semesters. The examination for the Master of Commerce programme will be held at the end of every semester viz. Semester I, Semester II, Semester III and Semester IV. The Examinations for Semester I will be held in the Second half of the academic year in which the learner was admitted (i.e. October / November), Semester II examinations will be held in the first half of the calendar year (April / May), Semester III examination will be held in the Second Half of the Calendar year (October / November) and Semester IV End in the first half of the calendar year (April / May).
- 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.

Admission Procedure and Intake Capacity:

- ❖ University of Mumbai allotted the college with 60 seats as an intake capacity.
- ❖ Issuing of admission forms and prospectus to the students after declaration of results i.e. third year semester VI exam.
- ❖ The college is admitting students on meritorious basis and strictly following reservation criteria of govt.
- ❖ The students should have cleared all six semesters from University of Mumbai and other.

SCHEME OF EXAMINATION

APPLICABLE TO THE STUDENTS ADMITTED TO PART I OF THE M.COM. COURSE FROM THE ACADEMIC YEAR 2017-2018 (60:40):

The performance of the learners will be evaluated in two components. One component will be the Internal Assessment component carrying 40% marks and the second component will be the Semester End Examination component carrying 60% marks.

Passing Standard:

- i) A learner shall be Allowed To Keep Term (ATKT) for Semester II, irrespective of number of heads (subjects) of failure in the semester I.
- ii) A learner shall be allowed to take admission and to keep term and also appear for semester III, irrespective of number of heads of failure in the semester I & semester II.
- iii) A learner failed in any head of semester I, II, III, will be eligible for semester IV.
- iv) A learner will get their mark sheet after passing of all heads of semester III and semester IV.
- v) A learner should score Minimum 40% in Internal Class Test of 40 marks i.e. 16 marks.
- vi) A learner should score minimum 40% in Semester End Examination of 60 marks i.e. 24 marks.

COURSE STRUCTURE:

It is Two Years Integrated Programme inclusive of Four Semesters with Course Structure under Choice Based Credit, Grading and Semester System.

M. Com Part - I

No. of Courses	Semester I	Credits	No. of Courses	Semester II	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1	Strategic Management	06	1	Research Methodology for Business	06
2	Economics for Business Decision	06	2	Macro Economics concepts and Applications	06
3	Cost & Management Accounting	06	3	Corporate Finance Accounting	06
4	Business Ethics and Corporate Social Responsibility	06	4	E-Commerce	06
	Total Credits	24		Total Credits	24

M. Com Part - II

No. of Courses	Semester I	Credits	No. of Courses	Semester II	Credits
1	Elective Courses (EC)		1	Elective Courses (EC)	
1, 2&3	*Any one group of courses from the courses (Group - A/B/C/D/E)	18	1, 2&3	**Any one group of courses from the courses (Group - A/B/C/D/E)	18
2	Project Work		2	Project Work	
4	Project Work - I	06	4	Project Work - II	06
	Total Credits	24		Total Credits	24

Note: Project work is considered as a special course involving application of knowledge in solving/ analyzing/ exploring a real life situation/ difficult problem. Project work would be of 06 credits. A project work may be undertaken in any area of Elective Courses

*List of group of Courses for Semester III			**List of group of Courses for Semester IV		
1	Advanced Financial Accounting	6	1	Corporate Financial Accounting	6
2	Advanced Cost Accounting	6	2	Indirect Tax –Introduction of Goods and Service Tax	6
3	Direct Tax	6	3	Financial Management	6
4	Project Work 1 (Compulsory)	6	4	Project Work 2 (Compulsory)	6
Total Credit		24	Total Credit		24

Note: Project work is considered as a special course involving application of knowledge in solving/ analyzing/ exploring a real life situation/ difficult problem. Project work would be of 06 credits. A project work may be undertaken in any area of Elective Courses.

List of Required documents:

A. For application along with the duly filled form:

- Photocopies of mark sheet of Graduations (B.Com. / BMS /BAF / BMM / BBI) / equivalent examination (all six Semesters)
- Photocopies of mark sheet of HSC examination
- Photocopy of Aadhaar Card
- Photocopy of Electricity bill/ Ration card
- Photocopy of HSC leaving Certificate
- Caste Certificate, if applicable
- Any other certificate for claiming benefit in admission under different quota like Sports, Cultural Activities, Physically handicapped, Freedom Fighter etc.
- In case of students from boards other than Maharashtra Board, "Provisional statement of Eligibility" issued by the University of Mumbai is necessary for acceptance of the application form.

B. For confirmation of admission

- Originals of the above mentioned documents.
- Passport size colour photographs 02 (recent)
- Admission is confirmed on payment of fees.
Students can cancel the admissions, and the documents will be returned immediately or at least within 48 working hours.

NOTE:

The total amount considered for the refund of fees from the commencement of half yearly report:

- The fee charged towards group insurance and all fee components to be paid as University share (including Vice-Chancellor fund, University fee for sports and cultural activities, E-charge, Disaster Management Fund, Exam Fee and Enrolment fee) are non-refundable if payment is made to the college prior to the date of cancellation.
- Fee collected for Identity card and Library card, admission form and prospectus, enrolment and any other course specific fee are not refundable after the commencement of the academic term.
- All refundable deposits (Laboratory, Caution Money and Library etc.) shall be fully returned at the time of cancellation.
- The registration fees once paid for the post graduate course will not be refunded for any reason.

- The tuition fees paid by the candidate for the course in which he is registered as a post graduate student will be refunded to him, if he leaves the said course without attending any lectures, seminars or practical, subject to the deduction of 25% of the tuition fees therefore as the administrative charges. An application by the candidate for such refund will only be entertained if it is received by the Registrar/Head of the University Department within fifteen days from the date of commencement of the lectures of the academic year for which the fees is paid.
- The tuition fees paid by a candidate for the course in which he is registered as a post graduate student will be refunded to him if he leaves the said course and joins another course of this university for which he has applied at the same time and the selection of the new course of this University is made later, subject to the deduction of 25% therefore as administrative charges. An application by the candidate for such refund will only be entertained if it is received by the Registrar/Head of the University Department within fifteen days from the date of commencement of the lectures of his paying the tuition fees for the new course. Application for the refund of College deposit must be made within one year of the applicant ceasing to be a student of the College, failing which the deposit amount will be forfeited.
- **Gracing:** The gracing shall be carried out as per the existing Ordinances of the University as per circular no. UG/139 of 2001 dated 23rd April 2001 and UG/212 of 1997 dated 12th June 1997.
- **Verification & Revaluation** The University of Mumbai vide its Directives by Hon. Vice Chancellor no. Exam/VCD/College (Rev. Ver.)/ 1603 of 2005 dated 29th September 2005 has provided the facility of obtaining the Xerox copy of the assessed answer books and the Verification and Revaluation of the same thereafter. Students can apply for verification of the assessed answer books within 15 days of declaration of the results. The students must fill the relevant forms and submit the duly filled in forms with the verification fees and a photo copy of the mark sheet to the college office. The results of verification will be displayed on the notice board. The details of the procedure can be obtained from the examination department of the college.

Students resorting to the use of unfair means during the examinations conducted by the College by themselves or on behalf of the University or by the University itself are requested to note that the minimum punishment recommended by the University (vide circular no. **UG / 139 OF 2001 DATED 23RD APRIL 2001**) is “**Annulment of the performance of the Student at the University / College / Institution Examination in full.**” The above action is recommended in case the student is found in possession of the copying material. If it is established that he/she has actually copied from the material, the recommendation is “**Exclusion of the student from the University or College or Institution Examination for one additional examination**”.

Ordinance 6086 relating to the attendance for learners:

Every bonafied learner shall ordinarily be allowed to keep terms for the given semester in a programme of his enrolment, only if he fulfils at least 75% of the attendance taken as an average of the total no. of lectures, practicals, tutorials etc. wherein short and/or long excursion/field visit/study tour organised by the college and supervised by the teachers as envisaged in the syllabus shall be credited to his attendance for the total no. of periods which are otherwise delivered on the material day/s. further it is mandatory for every learner to have minimum 50% attendance in each course and an average attendance has to be 75%.

For further details logon to <http://management.ind.in/forum/university-mumbai-attendance-rules-160757.html>

Fees Structure:

YEARLY FEES

For M.Com part I :	Rs. 14,793 per year.
For M.Com part II :	Rs. 13,418 per year.

Note : Fees revision is subject to change in university fees structure from time to time.
DD or Pay order in favour of "Shankar Narayan College of M.Sc. IT"

For more details login to <http://sncollege.com/mcom>

Internal Assessment:

The Internal Assessment will consist of one class test of 40 marks for each course excluding projects. The question paper pattern will be shown as below:

Question Paper Pattern (Internal Assessment)

Maximum Marks: 40 marks

Questions to be set: 03

Duration: 1½ hours

Question No	Particular	Marks
Q-1	Objective Questions Students to answer 10 sub questions out of 15 sub questions. (*Multiple choice/ True or False/ Match the columns/ Fill in the blanks) OR Objective Questions A) Sub Questions to be asked 08 and to be answered any 05 B) Sub Questions to be asked 08 and to be answered any 05 (*Multiple choice/ True or False/ Match the columns/ Fill in the blanks)	10 Marks
Q-2	Concept based short questions Students to answer 5 sub questions out of 8 sub questions.	10 Marks
Q-3	Practical problems or short questions Students to answer 02 sub questions out of 03 sub questions	20 Marks

Question Paper Pattern (Practical Courses)

Maximum Marks: 60 Questions to be set: 04 Duration: 2 Hrs.

Question No	Particular	Marks
Q-1	Practical Question	15
Q-1	OR Practical Question	
Q-2	Practical Question	15
Q-2	OR Practical Question	
Q-3	Practical Question	15
Q-3	OR Practical Question	
Q-4	Objective Question (Multiple Choice/ True or False/ Fill in the Blanks/ Match the Columns/ Short Questions.)	15
Q-4	OR Short Notes (Any three out of five)	



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