MURGAON EDUCATION SOCIETY'S
COLLEGE OF ARTS & COMMERCE
Zuarinagar, Goa - 403726

Affiliated to Goa University | Accredited by NAAC with 'B' Grade (3rd cycle)

Ranked 72nd among the Arts colleges and 125th among the Commerce colleges in India by the India Today MDRA Survey2019-20

PROSPECTUS 2020-21

Bachelor of Computer Application (B.C.A.)

MURGAON EDUCATION SOCIETY'S

COLLEGE OF ARTS & COMMERCE, ZUARINAGAR, GOA

VISION

A dynamic centre of excellence to learn and innovate, fostering holistic development of the individual

MISSION

The college is committed to provide a foundation for lifetime learning through innovative and value-based inclusive education responsive to the ever-changing needs of the society.

GOALS

- ❖ To empower youth to be responsible citizens through holistic education.

- ❖ To make effective use of latest technology for enhancing the teaching-learning process.

- ❖ To promote research culture by stimulating a scientific temper and critical thinking among students and faculty.

- ❖ To promote entrepreneurial skills through innovative job-oriented courses.

- ❖ To nurture ethical and social responsibility among individuals towards building a sustainable environment.

- ❖ To sensitize students about the needs of the community by developing programmes for the upliftment of the weaker sections.

- ❖ To strengthen academia-industry interface through collaborations.

- ❖ To synergize with reputed institutions by signing MOUs.

- ❖ To establish a strong link between stakeholders.

- ❖ To create a conducive environment for developing individuals with a healthy body and healthy mind.

- ❖ To inculcate leadership qualities in students and faculty through curricular, co-curricular and extracurricular programmes.

- ❖ To respect diverse cultures by instilling empathy and compassion among students and faculty.

FOUNDER PRESIDENT

MURGAON EDUCATION SOCIETY

Late Shri. Vasantrao S. Joshi

27 May 1921 to 28 December 2013

MESSAGE FROM THE CHAIRMAN

Shri. M.S. Kamat

Through this prospectus I extend my warm greeting to the incoming batches of students of the M.E.S. College of Arts & Commerce joining various courses for the academic year 2020-2021.

On behalf of Murgaon Education Society and on my own behalf I welcome them whole heartedly to our premier education institution which over a period nearing half a century has emerged as a centre of excellence in the domain of higher education, serving the young men and women of Goa and to some extent of neighboring states with useful, need based and innovative educational programmes implemented in a student friendly environment and with student centric methods. Our focus is on imparting to the learner's first rate knowledge, skills, values & etiquettes empowering them to be capable, responsible, self-reliant and enlightened citizens of India.

May the God Almighty illumine with His light the path to be traversed by our beloved students in the future and lead them to their chosen destination resplendent with shining success and glorious accomplishment.

Shri. M. S. Kamat
Chairman
Murgaon Education Society

FROM THE PRINCIPAL'S DESK

Dear Parents and Students,

Greetings from M.E.S. College of Arts and Commerce!

It gives me profound pleasure to welcome you to M.E.S. College. Choosing where to continue your education is a major decision and I believe that M.E.S. College will be a choice that you will certainly be proud of. "The function of education is to teach one to think intensively and to think critically. Intelligence plus Character - that is the goal of true education." said Martin Luther King Jr. At M.E.S., we instill in our students a passion for learning and acquiring knowledge that they will need to make a positive contribution to their own lives and to society.

The college is currently offering five undergraduate programmes: B.A., B.Com., B.B.A., B.C.A., B.B.A. (Shipping and Logistics) and one postgraduate programme, namely, M.Com. The college supplements the prescribed curriculum through various value-added diploma and certificate courses which serve to enhance the knowledge and skills of the students. These include a Diploma course in Counseling Techniques and certificate courses such as MS Excel for Accounting and Taxation, Practical Banking, Quantitative Techniques and Basics of Econometrics, Written Communication, Conversational Portuguese, Basics of Western Classical Music (Pianoforte) and Tally ERP.9 with GST. Innovative pedagogies such as experiential learning, participative learning and problem-solving methodologies are used for enhancing the learning experience of students. The college imparts learner-centric education which aims at the holistic development of the student community.

Students are also encouraged to participate in a wide range of co-curricular and extra-curricular activities such as debates, sports, theatre, etc. In addition to this, there are several Departmental Clubs/Associations which provide avenues for students to build on their strengths and discover their talents, thereby enabling them to grow into well-rounded, compassionate and responsible individuals.

The strength of the college lies in our supportive management, committed faculty and administrative staff, vibrant Parent Teachers Association and Alumni Association.

As we begin another academic year, let us work together to transform lives - always striving to aim higher. I wish all the students a rich and fulfilling academic journey and invite all of you to vigorously explore your interests and hone your talents at our college.

Dr Meenakshi Bawa
Officiating Principal

MEMBERS OF MANAGING COMMITTEE

Name	Title	Name	Title
Shri. Madhav S. Kamat	Chairman	**Shri. JairamDayalani**	Member
Shri. Paresh V. Joshi	Vice Chairman	**Shri. Kishore L. Tolani**	Member
Shri. Bhaskar G. Nayak	Vice Chairman	**Dr.DigamberTalaulikar**	Member
Shri. U. A. Sarmalkar	Treasurer	**Shri. Sukhant V. Shanbhag**	Member
Shri. G. S. Naik	Treasurer	**Mrs. Lalita P. Joshi**	Member
Shri. Suvarn R. S. Bandekar	Member	**Dr. (Mrs.) Monica P. Joshi**	Member
Shri. Prashant V. Joshi	Member	**Prin. Dr. N. M. Jambagi**	Invitee
Shri. Parag V. Joshi	Member	**Off. Prin. Dr. Meenakshi Bawa**	Invitee
Shri. Pankaj V. Joshi	Member	**Prin. Ms. Nelly Rodrigues**	Invitee
Shri. Pushkar V. Joshi	Member		

MEMBERS OF LOCAL MANAGING COMMITTEE

Name	Title
Shri. M. S. Kamat	Chairman
Shri. Paresh V. Joshi	Vice Chairman
Shri. U. A. Sarmalkar	Member
Shri. Parag V. Joshi	Member
Shri. Prashant V. Joshi	Member
Shri. Kishore Tolani	Member
Smt. Lalita P. Joshi	Member
Dr. Meenakshi Bawa - Officiating Principal M.E.S. College, Zuarinagar, Goa	Ex-Officio, Member – Secretary
Shri. Ashish Joshi	Teacher Representative – Member
Dr. Freda Cota e Pereira	Teacher Representative – Member
Smt. Semele Sardesai	Invitee, B. B. A. Course Coordinator M.E.S. College, Zuarinagar, Goa
Smt. Gauri A. Dessai	Invitee, B. C. A. Course Coordinator, M.E.S. College, Zuarinagar, Goa
Dr. Champa R. Parab	Invitee, M.Com. Course Coordinator, M.E.S. College, Zuarinagar, Goa
Dr. N. M. Jambagi	Administrator – Invitee

PROSPECTUS COMMITTEE FOR THE ACADEMIC YEAR 2020-21

Ms. Gauri Dessai – BCA Coordinator

Mr. Rajesh D. Tanksali- Member

Ms. Chrisha Rodrigues - Member

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MURGAON EDUCATION SOCIETY'S

COLLEGE OF ARTS & COMMERCE, ZUARINAGAR, GOA

ABOUT THE COLLEGE

Murgaon Education Society's College of Arts & Commerce is one of the premier institutions of higher education in the state of Goa. The college was founded by the great visionary and philanthropist Late Shri. Vasantrao Subrai Joshi to cater to the need of educational upliftment of youth in Vasco- da- Gama in particular and the state of Goa in general. The College premises was shifted to the present campus in 1985. Over the years, the campus has been transformed from barren, rocky and unyielding land into a lush green, fertile paradise where students aspire to pursue their higher studies.

It was one of the first composite Arts and Commerce colleges in the state of Goa to be affiliated to the University of Mumbai and then to Goa University. The college is currently offering five undergraduate programmes: B.A., B.Com., B.B.A., B.C.A., B.B.A. (Shipping and Logistics) and one postgraduate programme, namely M.Com. To cater to the requirements of the Shipping and Logistics industry, M.E.S. College introduced B.Com. (Shipping Management) which was initially funded by UGC for five years and is currently running as self-financed programme as Bachelor of Business Administration (Shipping & Logistics).

The B.B.A. (Shipping and Logistics) programme is the first undergraduate programme in India which addresses the commercial and managerial side of the shipping industry. The college has a Research Centre in Sociology. At present, the college has approximately 1474 students and 60 full-time teaching faculty.

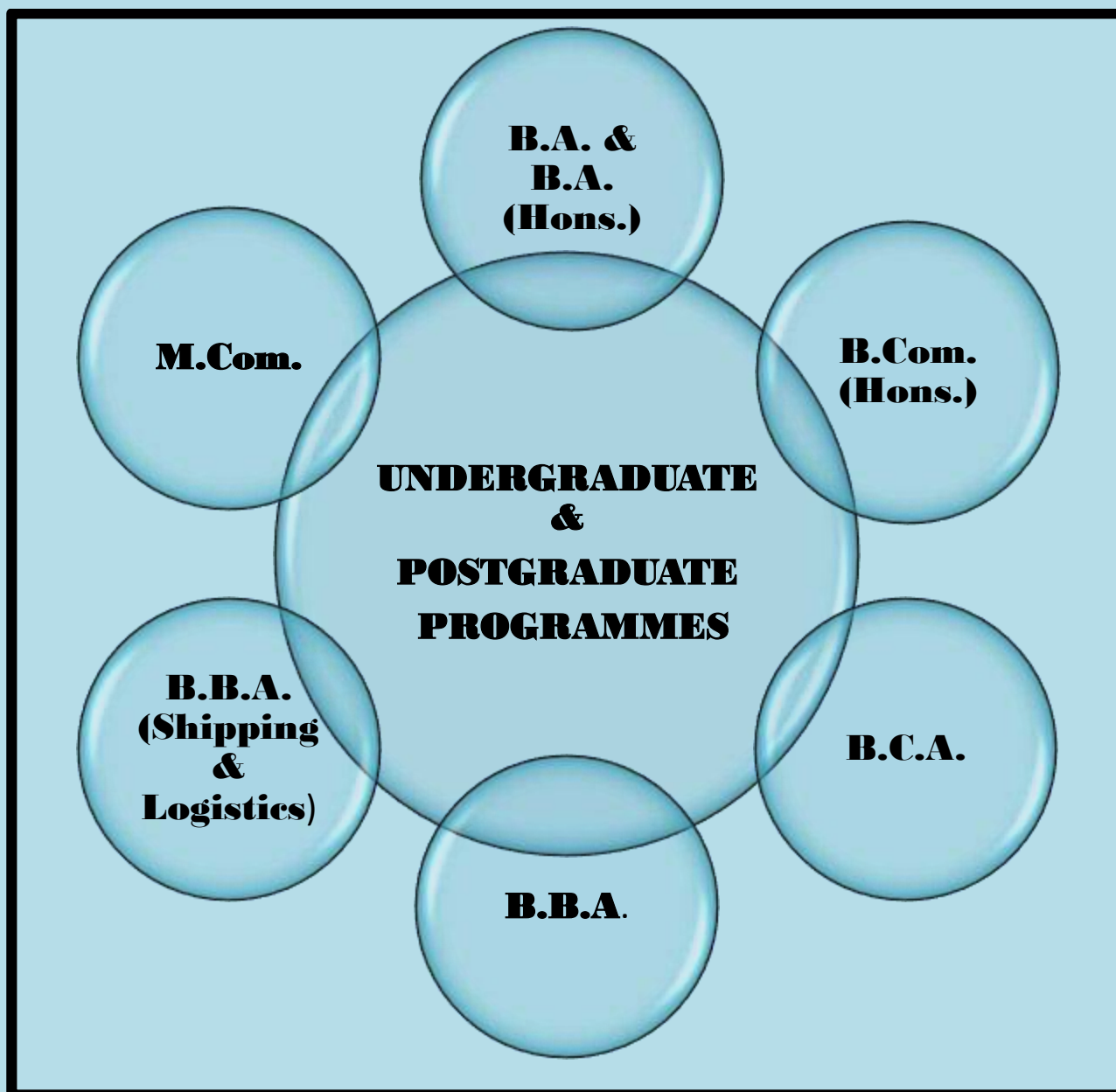The college encourages high academic standards.We instil in our students a passion for learning and acquiring knowledge that they will require to make a positive contribution to the society. The college imparts learner-centric education which aims at the holistic development of the students by developing creative and critical thinking, nurturing innovations and excellence, developing professional skills etc.

At M.E.S. College, we believe in holistic education that comprises deep as well as broad academic and co-curricular exposure. Hence, academics is always complemented with co-curricular and extra-curricular activities in the campus.

In recognition of the high standards of education and the all-round excellence attained by it, the College was selected by the UGC for introducing vocational courses at the B.A. and B.Com. Degree level, and by the Ford Foundation USA for implementing its Campus Diversity Initiative Programme. The college was accredited by NAAC with a B Grade (Third Cycle) in the year 2015.

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PROGRAMMES OFFFERED

B.A. & B.A. (Hons.)

M.Com.

B.Com. (Hons.)

UNDERGRADUATE & POSTGRADUATE PROGRAMMES

B.B.A. (Shipping & Logistics)

B.C.A.

B.B.A.

SCHEDULE FOR THE ACADEMIC YEAR 2020 - 21

Commencement of Semester I/III/V for the academic year 2020–2021: 01/08/2020 (as per Circular issued by Goa University Ref. No.: GU/Academic (Colg.)/2020/436 dated 05/05/2020)

TENTATIVE EXAMINATION SCHEDULE FOR THE ACADEMIC YEAR 2020 - 21
SEMESTER I, III & V

Examination Details	Dates
First ISA	September, 2020
Repeat ISA	September/October, 2020
Submission of Assignments by students	October, 2020
Commencement of B.C.A. SEE of Semester I, III & V	November, 2020

SEMESTER II, IV & VI

Examination Details	Dates
First ISA	January, 2021
Repeat ISA	February, 2021
Submission of Assignments by students	March, 2021
Commencement of B.C.A. SEE of Semester II , IV & VI	April/May 2021

ADMISSION

I) PROCEDURE:*

(A) For B.C.A. Semester I & II
1) The application form shall be filled online at www.mescollege.org
2) Gmail ID is mandatory to begin the admission process.
3) A passport size photo (not exceeding 1 MB) should be uploaded.
4) The admission form shall be uploaded along with the following documents (each document not exceeding 1 MB):
   a) Scanned copy of original marksheet of HSSC/ Equivalent examination
   b) Original HSSC leaving certificate
   c) Eligibility Certificate (in original) issued by Goa University (for those students who have passed standard XII or any other equivalent examination through any other recognized Board other than Goa Board if applicable)
   d) Scanned copy of original Aadhar card and first page of the bank pass book
   e) Scanned copy of original Caste Certificate
   f) Undertaking by the student
   g) Undertaking by the parent

h) Undertaking for discipline and attendance

5) Once the admission form is filled and the relevant documents are uploaded, the student will be taken to the online payment gateway for payment of fees.

6) The student will receive an email on successful payment of fees confirming his/her admission.

(B) For B.C.A. Semester III, IV, V and VI

1) The application form shall be filled online at www.mescollege.org

2) The PR number is mandatory to begin the admission process.

3) A passport size photo (not exceeding 1 MB) should be uploaded.

4) The admission form shall be uploaded along with the following documents(each document not exceeding 1 MB):

a) Scanned copy of original marksheet of previous semester examination

b) Scanned copy of original Aadhar card and first page of the bank pass book

c) Scanned copy of original Caste Certificate

d) Undertaking by the student

e) Undertaking by the parent

f) Undertaking for discipline and attendance

5) Students should have a Gmail account.

6) Once the admission form is filled and the relevant documents are uploaded, the student will be taken to the online payment gateway for payment of fees.

7) The student will receive an email on successful payment of fees confirming his/ her admission.

Note: No Student shall be given admission after the date specified by Goa University.
* Subject to change

II) ELIGIBILITY FOR ADMISSION (OC-67.2)

Eligibility for admission leading to the Degree of Bachelor of Computer Applications (BCA) shall be as follows :-

OC-67.2.1 Eligibility for Admission to Semester I and Semester II:

(A) To be eligible for admission to Semester-I of the Three Years course leading to the Degree of Bachelor of Computer Applications (BCA), the candidate should have passed:

(i) The Higher Secondary School Certificate (Std. XII) examination conducted by the Goa Board of Secondary and Higher Secondary Education in any stream, including the vocational stream in the subjects notified by the University from time to time.

OR

(ii) The Std XII or similar examination of another body equivalent to Goa Board of Secondary and Higher Secondary Education, Goa and recognised as such by Goa University.

(B) A candidate not covered under any of the above categories but desirous of seeking admission to the said course may apply to the College. However, the Registrar along with the Dean of the Faculty and the Chairperson of the Board of Studies shall decide the eligibility.

(C) A candidate admitted to Semester-I shall be deemed eligible for admission to Semester-II.

(D) A candidate migrating from another recognized University and desirous of direct admission to Semester-II may be considered for admission provided he/she has cleared/ passed Semester-I examination of that University with those subjects, under CBCS, for which admission is sought.

(E) A candidate shall be selected based on an entrance test. The entrance test shall assess the general aptitude, logical reasoning and analytical abilities and basic arithmetical skills of the candidate.

OC-67.2.2 Eligibility for admission to Semester-III and Semester-IV:

(A) A candidate who has requisite attendance for Semester-I and Semester-II and has attended minimum required ISAs of all the courses in Semesters I & II shall be eligible for admission to Semester-III.

(B) A candidate migrating from any other recognized University may be considered for admission to Semester III provided:

(i) He/she has passed in all courses of the Semester I and Semester II (First Year BCA) examination from that University.

(ii) He/she undertakes to successfully complete the required courses and credits prescribed for First Year BCA by this University, if he/she has not already done so in the previous University. Result of Semester IV examination shall be withheld if the candidate fails to fulfil this undertaking.

(C) A candidate admitted for Semester-III examination shall be deemed eligible for admission to Semester- IV.

(D) A candidate from another recognized University may be considered for direct admission to Semester IV provided he/she fulfils the conditions specified at (B) (i) and (ii) above and, in addition has passed/ cleared Semester III/ First Term examination of the Second Year BCA of that University. However, the result of Semester IV shall be withheld if the candidate does not fulfill these conditions.

OC-67.2.3 Eligibility for admission to Semester-V:

(A) A candidate who has been declared Passed in Semester I to Semester IV examinations shall be eligible for admission to Semester V.

(B) A candidate admitted for Semester-V shall be deemed eligible for admission to Semester-VI.

(C) A candidate migrating from any other recognized University may be considered for admission to Semester-V of the BCA Course provided:

(i) He/she has been declared Passed in Semester I to Semester IV examinations from that University, and

(ii) He/she had taken at the Second Year the required courses and credits under the scheme of this University. A candidate fulfilling these conditions shall be eligible for admission to

Semester-V only.

OC-67.2.4 Eligibility for admission to Semester-VI:

(A) A candidate already admitted for Semester-V shall be deemed eligible for admission to Semester-VI.

(B) Direct admission to Semester-VI shall not be permitted.

OC-67.2.5 Class strength:
Maximum number of students in a class/ division shall not exceed forty. For practical's the batch size shall be up to a maximum of 20 per batch.

FEE STRUCTURE

Admission Fees for the Year 2020-21**

Sr.No.	Particulars	FYBCA (Sem I &II) (Rs.)	SYBCA (Sem III & IV) (Rs.)	TYBCA (Sem V & VI) (Rs.)
1	Tuition Fees	39000.00	39000.00	39000.00
2	Gymkhana Fees	420.00	250.00	250.00
3	Student Activity Fees	174.00	174.00	174.00
4	Library Fees	1000.00	1000.00	1000.00
5	Goa University / Administrative fees	1000.00	1000.00	1000.00
6	University Registration Fees	580.00	0	0
7	Students' Aid Fund	100.00	100.00	100.00
8	Caution Deposit (refundable)	70.00	0	0
9	Library Deposit (refundable)	70.00	0	0
10	Identity *I* Library Cards	125.00	125.00	125.00
11	Computer Lab Fees	3000.00	3000.00	3000.00
12	Examination Fees	2540	2870	3005
14	Development Fees	1000.00	1000.00	1000.00
	**TOTAL	49079.00	48519.00	48654.00

** The above fees are subject to change, as per the Notifications received from Goa University/ Govt. of Goa from time to time.

NOTE :

1. Fees are subject to change based on directive of Goa University / Goa Government.

2. Fees for BCA may be increased or decreased based on directive of, Directorate of Higher Education, Govt. Of Goa

3. Caution/Library Deposit will be refunded after all books are returned, Students have to replace lost book

4. Students have to preserve the BCA fees challans and produce it to claim library deposit a the end of third year

5. Fees will be refunded as per Goa University Circular No. GUN/Tuit. Fee/173/2005/448 dated 2/5/2005 (Refer MES college website)

6. Students seeking admission are required to enclose photocopies of their Aadhar Card and the first page of their Bank Pass Book consisting the name of Bank and Branch, SB account number, IFSC and MICR code for the purpose of NEFT Transactions.

Examination Fees

Examination fees in B.C.A. Classes will be as follows:

EXAM FEES AS PER GOA UNIVERSITY NOTIFICATION NO.:GU/EXAM/FEE/20/2019/277/1888 DTD.01.10.2019

Sr. No.	Particulars	B.C.A. Sem. I & II	B.C.A. Sem. III & IV	B.C.A. Sem. V & VI
1.	Exam Registration Fees	690	690	690
2.	Examination Form	130	130	130
3.	Statement of Marks	180	180	180
4.	Theory Paper	1260	1150	1120
5.	Practical Paper	280	720	590
6.	Project Paper	0	0	295
	**Total fees as per circular	**2540**	**2870**	**3005**

Note: The above fees may be revised by the Goa University/Government of Goa from time to time.

Refund of fees shall be governed by the following circular of Goa University:

The refund of fees will be in accordance with Goa University Circular No.

GU/36/Acad-PG/Refund of Fees/2017/1322/446 dated 17/05/2017.

(a) If a student chooses to withdraw from the programme of study in which he/she is enrolled, the following four-tier system shall be followed for the refund of fees remitted by him/her.

Sr. No.	Point of time when notice of withdrawal of admission is served to the College/University	% of refund Aggregate fees*
1.	15 days before the formally notified last date of admission.	100%
2.	Not more than 15 days after the formally notified last date of admission.	80%
3.	More than 15 days but less than 30 days after formally notified last date of admission.	50%
4.	More than 30 days after formally notified last date of admission.	00%

(Inclusive of tuition fees and non-tuition fees but exclusive of Caution Deposit and Security Deposit)

(b) In case of (1) in the table above, 10% of the aggregate fees shall be deducted as processing charges from the refundable amount.

(c) Fees shall be refunded to an eligible student within fifteen days from the date of receiving a written application from him/her in this regard.

(d) The fees of students who have already been admitted to a programme of the University and have paid the fees and are subsequently admitted to another programme shall have to pay the fees for the final admission and claim the refund of fees paid earlier, in which case no administrative charges shall be deducted from fees paid earlier by the student. However, if the fees payable for both the programmes are the same, the fees paid earlier shall be transferred to the final programme where admission is sought.

(e) All the other cases of refund of the fees will be decided on case to case basis on its merit.

Award of Entitlement Marks

Refer to Goa University ordinance OA-26 for further details available at:

https://www.unigoa.ac.in/uploads/confg_docs/20200518.132926~Ordinances_Part_A_12May2020.pdf

PROGRAMME STRUCTURE

FOR

BACHELOR OF COMPUTER

APPLICATIONS

B.C.A. UNDER CBCS

The Programme shall be based on a system of time-integrated Units called Credits, under the CBCS. The Programme shall comprise Courses such as Core, Elective and Ability Enhancement Courses. A Credit shall consist of 15 clock hours of theory of 1 hour duration each or 15 practical classes of 2 hours duration each, per semester or its equivalent; Field work and such other as recommended by the Board of Studies (BoS) shall be considered under practical category for calculating credits and workload. A student shall be eligible for the award of BCA Degree on successful completion of minimum of 132 Credits, to be completed over a minimum of six Semesters.

OC-67.4: COURSE STRUCTURE:

1. Each Course can carry different weightage in terms of number of Credits. Each Course should define learning objectives and outcome. A course may be designed so as to comprise any or combination of lectures/ tutorials/ laboratory work/ field work/ outreach activities/ project work/ vocational training/ viva/ seminars/ term papers/ assignments/ presentations/ self-study/ such other.

2. **Core Course (CC):** A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core Course. Each Core Course is of 4 credits or 2 credits and may consist of theory and practical component or only theory component or only practical component. If the course has a theory and practical component, the theory component will be of 3 credits theory and 1 credit practical for 4 credit course. If the course has only practical component, this component will be of 2 credits. The candidates are required to compulsorily pass all the Core Courses of the Programme.

3. **Elective Course:** An Elective Course can be chosen from a pool of Courses, which may be specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other 555 discipline/ subject/ domain or which nurtures the candidate's proficiency/ skill. An Elective Course may be Discipline Specific Elective Course or Generic Elective Course.

3.1 **Discipline Specific Elective (DSE) Course:** Discipline Specific Elective (DSE) Course shall be offered in the main discipline/subject of study. Each DSE shall be of 4 credits and may consist of theory and practical component or only theory component. If the course has a theory and practical component, the theory component will be of 3 credits theory and 1 credit practical or as prescribed by BoS and approved by the Academic Council. Any number of DSE's as approved by BoS and AC, can be offered depending upon the specialization available in the college.

3.2 **Project:** A compulsory Project work of total 4 credits shall be offered in lieu of a DSE Course in Semester VI and shall be designed to acquire special/ advanced knowledge; it shall

be specialised course involving application of knowledge in solving / analysing / exploring a real life situation / difficult problem. Students shall undertake such a project under the guidance of a teacher / faculty member. The topic for the Project Work shall be given in Semester V. Students shall be required to carry out work for the Project during Semesters V & VI. The assessment of the Project will be carried at the end of Semester VI.

3.3 **Generic Elective Course:** A Generic Elective(GE) course shall be of 4 Credits, and may be chosen from an unrelated discipline/subject, with an intention to seek exposure. A Core Course offered in a discipline/subject may be treated as GE Course for another discipline/ subject and vice versa. If the course has a practical component, the theory component will be of 3 credits theory and 1 credit practical or as prescribed by BoS and approved by the Academic Council.

4. **Ability Enhancement Courses (AEC):** The Ability Enhancement (AE) Courses may be of two kinds:

4.1 **Ability Enhancement Compulsory Courses (AECC):** AECC are based upon the content that leads to knowledge enhancement. Courses on Environmental Studies, Communication Presentation Skills and Technical Writing Skills are mandatory. Communication Presentation Skills and Technical Writing Skills will have 4 credits each and course on Environmental Studies will have two separate courses of 2 credits each.

4.2 **Skill Enhancement Courses (SEC):** SEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies and skills. These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge. Each course will be of two credits or as prescribed by BoS and approved by the Academic Council.

5. The Course Structure for the Three Year BCA Degree Programme shall be as specified below:

FYBCA Course Details under CBCS

Course Code	SEMESTER- I	Course Credits
	Subjects	
CAC-101	Problem Solving and Programming Concepts	4
CAC-102	Computer Organization and Architecture	4
CAC-103	Basic Mathematics	4
CAC-104	Problem Solving and Programming Laboratory	2
	GE To be selected by College from approved list	4
ESA-101	Environmental Studies	2
	SEC To be selected by College from approved list	2
	Total	22
	SEMESTER – II	
Course Code	**Subjects**	Credits
CAC-105	Data Structures	4
CAC-106	Operating Systems Concepts	4
CAC-107	Applied Mathematics	4
CAC-108	Data Structures Laboratory	2
	GE To be selected by College from approved list	4
ESA-102	Environmental Studies	2
	SEC To be selected by College from approved list	2
	Total	22

List of Generic Electives (GE)		
Course Code	**Subjects**	Course Credits
CAG-101	Business Accounting	4
CAG-102	Cost Accounting	4
CAG-103	Advertising	4
CAG-104	Human Resource Management	4
CAG-105	Entrepreneurship Development	4
CAG-106	Marketing Fundamentals	4

List of Skill Enhancement Courses (SEC)		
Semester I		
Course Code	Subjects	Course Credits
CAS-101	IT Tools Laboratory	2
CAS-102	Programming in Scratch	2
CAS-103	Digital Photography	2
CAS-104	Open Source Software	2
Semester II		
CAS-105	Operating Systems Laboratory	2
CAS-106	Programming in Python	2
CAS-107	HTML & CSS	2
CAS-108	PHP Programming	2

	SEMESTER – III	
Course Code	Subjects	Credits
CC-301	Computer Science	4
CC-302	Computer Science	4
CC-303	Computer Science Laboratory	2
CC-304	Computer Science Laboratory	2
GE-301	*To be selected by College from approved list*	4
GE-302	*To be selected by College from approved list*	4
AECC-301	Communication and Presentation Skills	4
	Total	24
	SEMESTER –IV	
Course Code	Subjects	Credits
CC-401	Computer Science	4
CC-402	Computer Science	4
CC-403	Computer Science Laboratory	2
CC-404	Computer Science Laboratory	2
GE-401	*To be selected by College from approved list*	4
GE-402	*To be selected by College from approved list*	4
AECC-401	Technical Writing Skills	4
	Total	24

	SEMESTER –V	
Course Code	Subjects	Credits
CC-501	Computer Science	4
CC-502	Computer Science	4
CC-503	Computer Science Lab	2
DSE-501	Computer Science *To be selected by College from approved list*	4
DSE-502	Computer Science *To be selected by College from approved list*	4
DSE-603	Project	-
	Total	18
	SEMESTER –VI	
Course Code	Subjects	Credits
CC-601	Computer Science	4
CC-602	Computer Science	4
CC-603	Computer Science Lab	2
DSE-601	Computer Science *To be selected by College from approved list*	4
DSE-602	Computer Science *To be selected by College from approved list*	4
DSE-603	Project	4
	Total	22

B.C.A. course objectives and syllabi:

https://mescollege.org/b-c-a-2/

B.C.A. course outcomes:

https://mescollege.org/wp-content/uploads/2019/12/Course-Outcomes-B.C.A..pdf

CAREER OPTIONS FOR B.C.A. GRADUATES

FINANCIAL ASSISTANCE (FREESHIPS /SCHOLARSHIPS/ AWARDS)

(A) Government Schemes
  I. Post Matric Scholarship for students belonging to minority community.
 II. Freeships to the students belonging to the Scheduled Caste, Scheduled Tribe and Other Backward Classes (In case of OBC, the family income should not exceed more than Rs 6,00,000 p.a).
III. Post Matric, Gagan Bharari merit based scholarship to ST students.
IV. Sant Sohirobanath Ambiye Dnyanvruddhi Shishyavrutti (Bursary Scheme).

(B) College Schemes :

Student Aid Fund

Student Aid Fund is created to give financial assistance to the deserving candidates from humble backgrounds upto a maximum of Rs 3,000/- per year to meet partly or fully their tuition fees or to purchase books or similar other expenses. To be eligible for the assistance, the annual income of the parents should not exceed Rs 1,50,000/-. The beneficiary should not be in receipt of any other scholarship / assistance except the merit scholarship.

Note:

As per the financial rules of the Government. a student who is awarded more than one prize /scholarship/freeship, can avail of only one prize /scholarship/freeship of highest value. Prizes/scholarship/freeship awarded to the students are liable to be withdrawn on grounds of indiscipline, misconduct, misbehaviour, irregularity in attendance at lectures/tutorials, test/examination etc. on the part of the student.

CODE OF CONDUCT

1. **In every matter relating to the college, the decision of the Principal shall be final and binding upon every student**.
2. Attendance for lectures and practicals is compulsory. The minimum requirement for attendance is 75% aggregate and 50% in each course of the respective semester as per Ordinance OA-17 of the Goa University.
3. Students have to abide by all the rules and regulations framed from time to time by the Principal or by the persons authorized by him/her.
4. Insubordination to any teacher or to any college authorities, use of indecent language, misbehaviour or misconduct is liable for disciplinary action as per the rules.
5. Ragging is strictly banned in the college. Any student found indulging in ragging will be severely dealt with, as per UGC Regulations.
6. Wearing of Identity card is mandatory for students in the college premises. Loss of an identity card must be reported to the College Office immediately. A duplicate card will be issued on payment of the prescribed fee.
7. Students are expected to strictly adhere to lecture timings. The lectures are conducted from 9.00 a.m. to 2.00 p.m. The college office timings are from 10.00 a.m. to 5.00 p.m.
8. Damage to college property/reputation in any form is punishable. If found guilty, responsible individual(s) would be liable to pay for the damages in addition to repercussion faced.
9. Students are required to adhere to the Examination Ordinance of Goa University. Please refer to the Goa University Ordinance OC-66 available at:
https://www.unigoa.ac.in/uploads/confg_docs/20200309.111858~Ordinances_Part_C_6_Mar_2020.pdf
10. Students shall require prior permission from the Principal for organizing/ involvement in any activity (monetary/non-monetary in nature) in the college premises.
11. Consumption and possession of tobacco or alcohol or any form of intoxicant in the college campus is prohibited and punishable.
12. A student applying for Medical Leave must produce a medical certificate from a registered medical practitioner within seven days of resuming classes.
13. Accompanying of unauthorized personnel in college campus is prohibited and punishable.
14. Visitors are required to acquire a visitors' pass while entering the college premises.
15. Students are expected to clear/pay their dues (sports, library, other damages etc.) before collecting their results. On failing to do so, the college reserves the right to withhold the Examination result.
16. Parents/Guardians are advised to contact the College authorities from time to time in order to appraise themselves of the progress of their wards and their attendance.
17. Use of unfair means during examination (ISA/SEE) is strictly prohibited. A student, if found guilty, shall be liable for punishment as per the rules prescribed by Goa University.

18. Unauthorized use of mobile phones in class is strictly prohibited. Any student violating this rule shall face disciplinary action.
19. Due to paucity of parking space, the College does not guarantee parking space for four/two wheelers for students and would not be responsible for any damage/theft caused to vehicles.
20. Security personnel or any staff appointed by the Principal will have full authority to check and verify the identity cards of every student and have right to interrogate any student, in view of security concerns of the college.
21. Maintenance of college discipline, adherence to its rules and code of conduct and obedience to the instruction issued from time to time by Principal or other college authorities will be mandatory and binding on each student. Appropriate disciplinary action will be taken which includes suspension/expulsion and rustication as per the directives of Goa University and College Discipline Committee.

COLLEGE COMMITTEES

I.   STATUTORY COMMITTEES

- **Internal Complaints Committee (ICC)**
  Objectives, Roles and Responsibilities of College Internal Complaints Committee

1. Prevent discrimination and sexual harassment, by promoting gender amity among students and employees;
2. Deal with cases of discrimination and sexual harassment against women, in a time bound manner, aiming at ensuring support services to the victimized and termination of the harassment; The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 came into being after it was passed in the Parliament of India.

It should be noted that according to the Supreme Court guideline Sexual harassment can be defined as "unwelcome" sexually determined behaviour (whether directly or by implication) as:

1. Physical contact and advances;
2. Demand or request for sexual favours;
3. Sexually coloured remarks;
4. Showing pornography; and
5. Other unwelcome physical, verbal or non-verbal conduct of a sexual nature. (Vishaka judgment by Supreme Court)

The following is also sexual harassment and is covered by the Committee:

- Eve-teasing
- Unsavory remarks,
- Jokes causing or likely to cause awkwardness or embarrassment,
- Innuendos and taunts,
- Gender based insults or sexist remarks,
- Unwelcome sexual overtone in any manner such as over telephone (obnoxious telephone calls) and the like,
- Touching or brushing against any part of the body and the like,
- Displaying pornographic or other offensive or derogatory pictures, cartoons, pamphlets or sayings,
- Forcible physical touch or molestation and
- Physical confinement against one's will and any other act likely to violate one's privacy.

The Committee shall meet as often as may be needed and appropriate.

- **Details of committee members:**
  https://mescollege.org/internal-complaints-committee/

Complaint registration: Register your complaints related to Sexual Harassment with any member of the College Internal Complaints Committee (Mobile numbers and email provided).

https://wcd.nic.in/act/sexual-harassment-women-workplace-preventionprohibition-and-redressal-act-2013

https://mescollege.org/wp-content/uploads/2020/02/Manual%20for%20College%20Committees%202019.pdf

https://mescollege.org/college-committees-2019-20/

- **College Examination Committee**

https://mescollege.org/wp-content/uploads/2020/02/Manual%20for%20College%20Committees%202019.pdf

https://mescollege.org/college-committees-2019-20/

- **College Grievance Committee**

https://mescollege.org/college-committees-2019-20/

- **College Unfair Means Committee**

https://mescollege.org/wp-content/uploads/2020/02/Manual%20for%20College%20Committees%202019.pdf

https://mescollege.org/college-committees-2019-20/

- **ISA Monitoring Committee**

https://mescollege.org/wp-content/uploads/2020/02/Manual%20for%20College%20Committees%202019.pdf

https://mescollege.org/college-committees-2019-20/

- **Anti-Ragging Committee**

https://www.ugc.ac.in/page/ragging-related-circulars.aspx

https://www.unigoa.ac.in/systems/a/welfare/justice/antiragging.html

https://www.antiragging.in/

https://mescollege.org/rules-regulations/

https://mescollege.org/college-committees-2019-20/

https://indiacode.nic.in/handle/123456789/12100?view_type=browse&sam_handle=123456789/2514

- **Anti-Ragging Squad**

https://mescollege.org/wp-content/uploads/2020/02/Manual%20for%20College%20Committees%202019.pdf

https://mescollege.org/college-committees-2019-20/

- **Internal Quality Assurance Cell**

https://mescollege.org/wp-content/uploads/2019/12/Composition-of-IQAC-2019.pdf

https://mescollege.org/wp-content/uploads/2020/02/Manual%20for%20College%20Committees%202019.pdf

- **NSS Advisory Committee**

https://mescollege.org/wp-content/uploads/2020/02/Manual%20for%20College%20Committees%202019.pdf

- **Collegiate Students Grievance Redressal Committee**

https://mescollege.org/wp-content/uploads/2020/02/Collegiate%20Student%20Grievance%20Redressal%20Committee%202019-20.pdf

https://mescollege.org/wp-content/uploads/2020/05/Collegiate-Student-Grievance-Redressal-Committee-Guidelines.pdf

- **Managing Committee for PTA**

II. NON STATUTORY COMMITTEES

https://mescollege.org/college-committees-2019-20/

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EXTRA-CURRICULAR ACTIVITIES

Students are advised to take part in various extra–curricular activities.

1. Department of Physical Education and Sports

The Department of Physical Education and Sports of M.E.S College aims at all round development of each and every student through the participation in various games and sports. The Department organizes various activities and intra-murals such as Inter-class Tournaments, Athletic Meet, which provides an opportunity to the students to showcase their talents. The College also participates in other extra-murals and competitive games held by the Goa University and other associations and Institutions.

The College Director of Physical Education & Sports, Mr. Savio Fernandes and Gymkhana Sports Attendant, Mr. Sudesh Lujjekar provide scientific fitness training and coaching to the students representing the college at various levels

of competition. The individuals are not only trained for performance and medals but they are also credited with values and discipline. The College has also developed a Sports Policy and the sports department ensures that the Sports Policy is being implemented in the college. Other benefits such as Sports Merit Marks, Duty Leave, Practice Allowance, Travelling Allowance and Kit Allowance as per the guidelines of the University are provided to the students. Due recognition is also given to the students who achieve glory in sports by forwarding the reports to the local newspaper

.

The Department of Physical Education and Sports offers the following facilities:

- Football Ground
- Basketball Courts
- Volleyball Court
- Mini-gymnasium
- Equipment for Athletic Training
- Indoor Gymkhana for Indoor Sports Activities like Badminton, Table-Tennis and Chess.

2. National Service Scheme (NSS)

National Service Scheme (NSS) is a voluntary community service scheme for the youth studying in the higher educational institutions. The aim of NSS is to bring out a positive social and political change in the lives of youth by developing various dimensions of their personality. NSS volunteers are made socially, emotionally, politically and environmentally sensitive towards the process of national building. The NSS Unit organizes a 7 day residential 'Annual Special Camp' in a rural area.

All students are encouraged to enrol for NSS. A student joining NSS shall complete 240 hours of NSS regular activity over a period of four semesters completing 60 hours of regular N.S.S activity per semester and one 7 day residential 'NSS Annual Special Camp'.

On successful completion of the above activities, the NSS volunteer shall become eligible to receive a 240 hours completion certificate, issued by Directorate of sports and Youth Affairs, Campal, Panaji, Goa.

3. National Cadet Corps (NCC)

There are 3 divisions/ wings of NCC in M.E.S. College viz, **Army Boys Wing, Army Girls Wing and Naval Wing**. Army Boys Wing and Naval Wing are available for boys (SD) and girls (SW). NCC is open to all regular students of the college on a voluntary basis. Total training period is three years. The cadets have to appear for 'B' certificate exam after completion of two years and 'C' certificate exams after three years of training. NCC provides a suitable environment to motivate the youth to take up a career in the armed forces. Free SSB guidance is provided to interested cadets. NCC provides uniform, washing allowance, refreshments during the parade, T.A., D.A.

for attending camp, free messing and boarding during camps.

Special weightage and reservation are granted to all NCC 'B' and 'C' certificate passed cadets in armed forces, central paramilitary forces and all the state police forces.

4. Activities organized by Various Associations/Cells and Departmental Associations /Clubs

The College Council, various associations and cells such as the Debating Association, Association of Art and Culture, Literary Association, Women's Cell and Departmental Associations organize co-curricular and extra-curricular activities for the benefit of students.

TENTATIVE ACADEMIC PLANNER 2020-21

DATE	ACTIVITIES
1st August 2020	Semester Beginning Session
24th August 2020	Workshop for in house faculty's on Evaluation and Academic Course Audit
7th - 12th September 2020	Technical Workshop
17th October 2020	Guest lectures
24nd October 2020	Guest lectures
29th November 2020	Career Guidance Talk
7th - 12th December 2020	Technical Workshop
22nd - 23rd January 2021	Genesis (State level IT Event)
13th February 2021	Personality development and Group Discussion
20th February 2021	Guest lecture
27th February 2021	Guest lecture
8th March - 13th March 2021	Career Guidance and placement activities

FACILITIES

The College offers the following facilities on the campus:

Library: The College has a fully automated library with a collection of approximately 32000 books and 80 journals and periodicals. The library is equipped with NEW GENLIB software 3.1.4 version. The library is also a member of the N-List program of INFLIBNET. The College has registered for the National Digital Library provided by the MHRD. The library facility is extended to the public. Under the book bank facility, books are given to the meritorious and economically backward students and to students who have enrolled for remedial coaching classes.

Laboratories: BCA Department has 2 well-equipped laboratories with proper internet connectivity.

Sports: The sports facilities include gymnasium, gymkhana/ multi-purpose hall for indoor games, football ground, volleyball court and two basketball courts.

Stationery Shop: The college has a stationery shop which also Photocopying and printing facilities.

Cafeteria: We now have our very own open-air cafeteria on campus 'MESCAFE' which provides a student friendly ambience.

Canteen: The College has a spacious canteen offering snacks and lunch

and a position of an officer in Central or State Government offices. The coaching would also cater to exams like CAT, MAT and XAT. The college has hired professionally experienced faculty having more than ten years of experience in the field. Beyond coaching, study material would be provided and mock tests would be conducted. The coaching would also create a strong foundation and orientation for exams like UPSC-IAS, CDS and similar exams under Central and State Government.

Centre for Competitive Examinations: M.E.S. College has established a Centre for Competitive Examinations in 2018. The Centre imparts coaching to the students of all programmes of M.E.S. College for various competitive examinations. The exams which are focused are Staff Selection Commission (SSC), Bank Probationary Officer (IBPS), Railway Recruitment Board exams and Goa Public Service Commission (GPSC). The coaching would help a student to become Custom and Excise Inspector, PSI, PI, Bank Officer, Sales Tax Inspector, Officer in LIC or General Insurance Companies, Officer with Indian Railway

Counselling: The services of two full-time counselors are available for the benefit of students. The counselors are available on all days of the week from 8.00 a.m. to 2.30 p.m.

Health Centre: The College has a Health Centre which is equipped with a bed, first aid box and wheel chair facilities. A private physician visits on a weekly basis.

Wi-Fi: The campus is Wi-Fi enabled and accessible to both staff and students.

Transport arrangement: This is organized with KTC at a concessional rate.

BCA ALUMINI

Viraj ajgaonkar
Sr. Software Engineer, CybageSoftware Pvt. Ltd, Pune

Vinayak Bhomkar
Assistant Vice President-Application Engineering at Bank of the West, California

Raheel Mohammud shaikh
IT Manager
Small Enterprise India Bangalore

Aniket Shetye
Assistant Superitendent Goa Shipiyard Ltd.

Ashley Fernandez
Computer Teacher Mae dos Pobres high school

Sourabh Gurav
Senior Associate(quality) Wipro Technologies

Vishal Borkar
Software engineer,
Remot Lab

Jackson Coutinho
Technical Manager, Cognizant

Agustinho Fernandes
WH Smith, UK

Monali Lotlikar
Microsoft Tech Support, Concentrix , Bangalore

DEPARTMENTAL ACTIVITIES

Field Trip to Bangalore

Genesis 3.0- An Intercollegiate Event

Farewell 2019

Mr.and Ms. BCA

Community App and Robotics Integration

GAMEBIT

Super innovators (Software Testing Session)

Virtual Cop - United1000

STUDENTS' ACADEMIC ACHIEVEMENTS

B.C.A. (Semester V and VI) Scholars with Distinction for 2018-19

Umar Rashmi Rajkumar	Vaz Rochelle	Mahato Simi Shamin	Adigiri Tuhina Tapan
Pereira Steve	Cruz Meliva Mary	Khorjuvekar Rameet Ramdas	Asangi Sampat
Rodrigues Jonathan Cyrino	Cabral Frazer	Kavya Vijaykumar	Naik Anushree Arun
Tomar Akash	Khedekar Latisha Madhu	Chatterjee Aditya	D'costa Jenecia

Goud Sanjay Anilkumar

Sharma Ajaykumar Anilkumar

Luis Rion Jovial

TEACHING FACULTY FOR ACADEMIC YEAR 2020- 21
DEPARTMENT OF COMPUTER APPLICATION(B.C.A.)

Mrs. Gauri Dessai
Assistant Professor and Co-ordinator BCA
M.C.A, B.Sc(Comp. Sc)
Teaching Experience: 13 years
Specialization: OOP, DBMS, Web Technology

Mr. Rajesh Tanksali
Assistant. Professor
M.E. (IT)
Teaching / Industry Experience: 10 years
Specialization: Software Engineering,
Compilers, Data structures, Programming

Mr. Satish Gangavati

Assistant. Professor
M.E. (Computer Science &Engg.)
Teaching Experience: 02 years
Specialization: IOT, Machine Learning

Ms. Vinita R K Singh

Assistant. Professor
M Sc.
Teaching Experience: 06 years
Specialization: Object Oriented Programming &
MIS

Mr. Sarvesh Sawant
Assistant. Professor
M.Tech. (Computer Science & Engg.)
Teaching Experience: 01 year
Specialization: DBMS, Cryptography &
Security, Data Science

Ms. Ankita Naik
Assistant Professor
M.E. (Computer Science &Engg.)
Teaching Experience: 01 year
Specialization: Software Testing, Ecommerce

Mr. Mudraj Pagi
Assistant Professor
MSc. Mathematics
Teaching Experience: 02 years
Specialization: Mathematics

Dr. Racheal Chacko
Assistant Professor
M.Sc.,Ph.D
Research: 12 years
Teaching Experience: 01 year
Specialization: Marine Sciences

Mr. Amey Kuncolienkar

Computer Programmer
B.E Computer Science
Experience: 15 years
Specialization: DBMS, Programming & Hardware

Mr. Aniketh Dessai

Computer Programmer
B.E Computer Engg
Experience: 09 years
Specialization: System Administration
&Support, Networking

Industry Faculty

Mr. Deepak Agarwal

B.E. Computer Engg.

PGDBA Banking & Finance
Experience: 6 years
Specialization: Web
Technology, Android app
development

Ms. Akhila Desai
M.A.(English),
M.B.A.(HRM)
Experience: 6 years
Specialization: Human
Resource Management

Ms. Priyal Vora
M.B.A.(Marketing)
Experience:12 years
Specialization: Business
Analysis, Marketing &
Sales Techniques

ADMINISTRATIVE STAFF

Ms. Chrisha Rodrigues
B.Com.
Office Assistant

Shri. Vishnudas G. Verenkar
Multi-Tasking Staff

Murgaon Education Society

PROGRAMMES OFFERED

1. B.A. (Honours) Specialisation in 1 subject : Economics, English, Psychology, Konkani & Sociology

2. B.A. Combination of 2 subjects : Economics, English, Psychology, Konkani, Sociology, Political Science and Tourism & Travel

3. B.Com. (Honours) Accounting / Cost Accounting / Business Manangement / Banking & Financial Services

4. B.C.A. (Self-financed)

5. B.B.A. (Self-financed)

6. B.B.A. - Shipping & Logistics (Self-financed)

7. M.Com. (Self-financed)

Telephone : 0832 - 2555772   Fax : 0832 - 2556010
Email : mescollege1@gmail.com / mescollege1@rediffmail.com
Website : www.mescollege.org