ST. ANTHONY' S COLLEGE

(A Don Bosco Institution - Estd. in 1934)

Shillong – 793 001, Meghalaya – India

PROSPECTUS – 2020
PG Courses

Re – accredited by NAAC with GRADE A
Selected by UGC as College with Potential for Excellence
AICTE Approved

CONTENTS

SECTION - I
ST. ANTHONY'S COLLEGE

A PROFILE OF ST. ANTHONY'S COLLEGE (ESTD. 1934)

St Anthony's College, Shillong, is an educational institution of the Catholic Church, belonging to and managed by the Salesians of Don Bosco Educational Society (registered under the Societies Registration Act of 1890: No SR/SAC-227/91 of 1991).

The College is named after St. Anthony of Padua (1195-1231), one of the most popular of all the Christian saints. Born in Lisbon, Portugal, in 1195, he first entered religious life as an Augustinian monk and later joined the Franciscan Friars. It was as a preacher and teacher of theology that Anthony became famous throughout Italy. Thousands flocked to hear his open-air sermons, and his visits had the impact of a spiritual revival. His sermons integrated a message of spiritual uplift with a bold challenge to the social vices of the day, especially greed and

the practice of usury. It was said that men gave up gambling and drinking at the sound of his melodious voice; criminals were reformed; feuding enemies were reconciled. For these effects, quite apart from the miracles that adorn his legend, Anthony earned his reputation as the "Wonder Worker" and "Friend of the Poor". Weary from his exhausting mission, Anthony died on June 13, 1231, at the age of thirty-six. He was buried in Padua, the city where he had spent the last years of his life. It is a measure of his popularity that Anthony's canonization followed only one year after his death. In 1946 Pope Pius XII declared him also a Doctor of the Church as tribute to his intellectual and spiritual stature.

True to its motto, "*Ever More Better Ever*", **St. Anthony's College** has striven, since its inception, to turn the youth of North East India into leaders of their own society: politicians, bureaucrats, businessmen, judges, lawyers, engineers, churchmen and better human beings.

Starting from very humble origins in 1934, the College has grown into a multi-faceted, multi-faculty institution. Successively affiliated to Calcutta University, Gauhati University and North-Eastern Hill University, St. Anthony's pre-eminence in the field of higher education in North-East India has been underlined by repeated offers of the autonomous status by the University Grants Commission.

With a strength of over 200+ Staff (Teaching and Support), the College offers traditional courses in Arts, Science and Commerce streams — thirty at the undergraduate level with twenty eight options for Honours and five postgraduate courses. It caters to over 3300 students. With students from over a hundred different ethnic communities on its rolls, it is a microcosm of the North-East and a vibrantly alive experiment of national integration at its best.

From 1985, the College has decisively taken a new direction in its emphasis by enthusiastically launching out into a number of professional courses that should go a long way in developing skilled and knowledgeable manpower in the region as well as creating avenues for self-employment. In 2005, the College introduced a new stream – Performing Arts. In the same year, the College reached a new milestone, when it became the first College in Meghalaya to offer a Post Graduate Degree Course.

The College has evolved into an active hub engaged in a number of extension activities emerging out of its academic programmes. The Fishery Science Department, apart from maintaining a demonstration fish farm of 24 ponds, has also been instrumental in helping to set up and support a number of fishery projects in the villages. The Botany and Biotechnology Departments have several state-of-the-art tissue culture research projects from the Department of Biotechnology (Government of India) related to the conservation and multiplication of orchids.

The layout, the greenery, the trees and the lawns of the College campus instill in every Anthonian a feeling for nature and the environment. The Department of Computer Science was the first to introduce computer education at the College level in the North-East. It still plays a pioneering role in promoting computer-based employment generating ventures in collaboration with the Ministry of Information Technology (Government of India), the North-Eastern Council and the Government of Meghalaya.

Research is a way of life for the Staff of the College. Currently there are several research projects going on sponsored

by a variety of agencies: University Grants Commission, Government of India (DBT, DST), North-Eastern Council, Government of Meghalaya, etc.

The Student Development Services Department (SDS) (for career guidance, personal counselling, coaching for entrance examinations, placement and employment information services, etc.) is an innovative venture of the College to position its students right at the heart of its life and activity. A Placement Cell has also been established under the SDS with a full-time placement officer.

In addition to the Under Graduate and Post Graduate programs, the college has also Ph D programs conducted in the areas of Bio-technology, Chemistry, Computer Science and Fishery Sciences.

In keeping with the technological advances of the time, the college has pioneered many skill based global certifications. These include industry certified courses from ORACLE, CISCO, RED HAT, SAP, TALLY ERP, etc.

VISION AND CULTURE

Guided by the religious and educational philosophy of St. John Bosco, and born of the vision of a Don Bosco priest,Rev. Fr. Joseph Bacchiarello, St. Anthony's College was founded in 1934 with the avowed mission of 'bringing college education within reach of the common man and woman.' Ever since, the College has been nurtured by the Salesians of Don Bosco to be in the vanguard of higher education in North-East India.

We seek to provide quality education for all sections of society reaching out especially to the socially, economically, culturally and educationally disadvantaged. Our system embodies a participatory style of management, always alive to emerging needs and challenges, where a sense of belonging and ownership is shared and where exists regular interaction between the different constituents involved, so that education becomes the responsibility of a community comprising teachers, parents, students and management.

We emphasize life-oriented and value-based teaching and nurture a culture of solidarity. The educators and the educated join hands to mould intellectually competent, morally upright, socially committed and spiritually inspired persons capable of building a more humane social order within the context of the nation's plurality of religions and diversity of cultures.

We aim to equip our students for their life, making them not only job-seekers, but also job-creators. Hence, in keeping with the developments in educational strategies worldwide, we have pioneered courses in application-oriented subjects to answer to the needs of the community that we serve and to give our graduates and post graduates an advantage in the quest for employment.

Teaching, for us here at the College, is a lifetime commitment, a passion, a vocation and a profession, rather than a job. Our Teachers are continually engaged in equipping themselves so as to stay abreast of the latest developments in their own fields. Striving for excellence is our way of life. Our motto tells it all: *"Ever More Better Ever"*

DON BOSCO (1815-1888) AND HIS EDUCATIONAL SYSTEM

Saint John Bosco, popularly known as Don Bosco was born at Becchi, in Piedmont, Italy, on August 16, 1815. From a very young age, he had decided that he had been called to work for the poor boys of that era, when Europe was under the grip of the Industrial Revolution, and many young people who came to the cities to study or in search of work who fell an easy prey to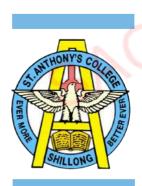 the many social evils of the time. After being ordained a priest of the Catholic Church in 1841, Don Bosco came to the rescue of these poor boys with his novel method of educating youth through total dedication and personal involvement in their lives and problems.

To ensure that his total dedication to their cause shone through his actions, he based his education on the three great principles of reason, religion and loving kindness, loving those to whom he dedicated his life, as a caring father, and doing everything possible for their welfare. Don Bosco was attuned to the needs of his society. He did not visualise education in isolation from the community within whose parameters it functioned. Vocational guidance, vocational training, job placement and follow-up were as integral to Don Bosco's scheme of things as they are in modern education.

The system of education that emerged from these principles of Don Bosco is popularly known as the Preventive System and is the system that is used in **St. Anthony's College**. Joseph Zoppi, the Swiss educationist said, "If there ever existed a method of education adapted to inspire confidence and love, it is the method of Don Bosco." The system aims to create a generation of young men and women steeped not only in a sound knowledge-based education but also in a strong value-based education for life.

THE COLLEGE EMBLEM, MOTTO AND PATRON

The college emblem holds a wealth of meaning. The 'A' which dominates the emblem stands for the Patron of the college – St. Anthony of Padua. The soaring eagle connotes the striving for excellence in every field that should be the hallmark of every Anthonian. The open book below says that it is learning and love of learning that is the primary preoccupation of the institution. Behind it all is a Cross, speaking of the love of Jesus Christ who gave himself up on the cross that all may find salvation. It is the love of Christ that spurs the College on to greater heights of excellence and service. These are surrounded by a circular band in which is inscribed the name of the College and its motto – Ever More Better Ever. The motto is the translation of the Latin 'Excelsior' and it, once again, brings to the fore the striving for excellence that characterises every facet of the life and activity of the College and the Anthonians.

NAAC ACCREDITATION/RE-ACCREDITATION

The concern for ensuring quality in higher education led to the need for evaluation of performance of Universities and Colleges. Due to this concern, the initiative to set up a mechanism which will encourage self-assessment

in institutions and also assessment and accreditation by an external agency came from the National Policy on Education 1986 and the Programme of Action 1986. This led to the establishment of the National Assessment and Accreditation Council (NAAC) as an autonomous body by the University Grants Commission in September 1994.

At present NAAC assesses an institution basing itself on the following seven core criteria:
- Curricular Aspects
- Teaching-Learning and Evaluation
- Research, Consultancy and Extension
- Infrastructure and Learning Resources
- Students Support and Progression
- Governance and Leadership
- Innovative Practices

St. Anthony's College was first accredited in September 2000 with a grade of five stars – the highest rating given by NAAC at that time.

In its report, among other things, NAAC wrote:

"St. Anthony's College has emerged as one of the best known Colleges not only of Meghalaya but also of the North Eastern States. It is also one of the leading institutions affiliated to the North Eastern Hill University and a deserving candidate for the autonomous status. The most outstanding feature of the College is the diversity of its teaching programs, which is a mix of traditional and vocational courses. The college has proved its responsiveness to the needs of the region, by taking into account the population it serves in the choice of courses offered. Commitment, dedication, inspiartion, leadership of the Management together with the commitment and flexibility of the staff are the factors which have brought the College to the forefront of Higher Education in the region..."

The College was **re - accredited** on **29th January 2009** with Grade **'A' - 3.60 / 4 CGPA**. The following are some of the points of observation of NAAC on the College:
- The vision and mission of the Institution is in consonance with the stated objectives of Higher Education.
- Academic programs and courses are in consonance with the vision, mission and the objectives of the college.
- Healthy academic ambience.
- Performance of the students in the University examinations is very impressive.
- Positive support of the Management for academic activities.
- The College monitors the students' progression to higher studies. The pass percentage of the College is impressive and many students have secured University Ranks in the last five years.
- Experimental learning is encouraged and practiced.
- Computers are available in each department with internet facility. The campus and hostel has wi-fi connectivity.

- Suitable programmes/course combinations are available to meet the academic needs of the students. Short term programmes for personality development and skill development are offered to the students.
- The examination system is transparent and effective.
- Offering inter-disciplinary/ professional courses along with traditional.
- Certificate and add-on courses are offered along with regular courses.
- Computerisation of most of the activities of the College is an asset.
- Many of the courses have ICT component.
- The institution makes use of its infrastructure optimally by conducting various academic programmes and co- and extra-curricular activities
- In-house maintenance and upgradation of computers.
- The institution has instituted prizes and awards to felicitate students excelling in different fields.
- The institution is sensitive to the needs of differently-abled, girls and economically weak students.

The third cycle of the NAAC Re-accreditation was done in 2014 and the college was again ranked with Grade "A". Following are some points of observation from NAAC about the college:

- The only College in the State having the status of College with Potential for Excellence (CPE) by UGC.
- Pass percentages in comparison with other colleges are consistently good in UG and PG courses, always above 90%.
- Encouragement is given to students for participation in extra-curricular and Co-curricular activities.
- Attention is paid towards quality improvement with regard to Teaching-Learning, community engagement, etc.
- Has a Good infrastructure and a conducive academic environment.
- Efficient governance having a clear vision and committed faculty with Passion for modern teaching-learning methods.
- Provides value based education for holistic development of the students.

COLLEGE WITH POTENTIAL FOR EXCELLENCE BY UGC (2006 ONWARDS)

St. Anthony's College, Shillong, the first College in the North East to have been accredited (2000) by NAAC with a grade of five stars, was awarded the coveted status of "**College with Potential for Excellence**" (**CPE**), by the University Grants Commission (UGC) on 7th April 2006.

The award of the CPE status is a form of recognition by the UGC to Colleges, which are functioning well and have the potential to do excellent work in teaching and research. Out of the 16,100 Colleges in India which are eligible, the
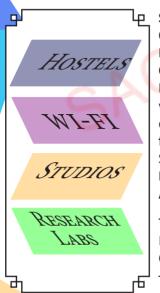
UGC has the objective of awarding the CPE status to about 160 Colleges (i.e. 1 %). We are proud that St. Anthony's College is placed among the top one percent of the large number of Colleges in India.

Under this scheme which the college has been enjoying since 2006, teaching and learning, research infrastructure and extension activities have been enhanced and the faculty and students have benefitted immensely from the scheme. It is a goal of the college to further improve itself with the help of the scheme and to move forward towards serving the state and the Country. The status was re-confirmed in 2009 and in 2014 for further five years.

DBT STAR COLLEGE SCHEME (2009 onwards)

St. Anthony's College enjoys the support of the Department of Biotechnology (DBT), Ministry of Science and Technology (DST), Government of India under the DBT Star College Scheme since 2009. Six departments – Biochemistry, Biotechnology, Botany, Chemistry, Physics and Zoology are currently supported. The Scheme is aimed at improving and strengthening science education at the undergraduate level by imparting both hands-on skills and inter-departmental involvement to ensure the holistic development of the undergraduate students. With the support of the scheme, the students of the supported departments have shown tremendous progress in terms of pass percentage, progression on to higher studies and research with a marked improvement in skills imparted by hands-on activities. The faculty also enjoy the support in terms of funding for training programmes, workshops and seminars. The College is presently supported in the second phase of the scheme and is determined to continue striving towards excellence.

FACILITIES

Stephen Hall, a Hostel for Men; **Mamma Margaret Hall,** a hostel for the Women; **Staff Quarters**; 1000+ capacity **Auditorium**; 150+ capacity **Conference Hall**; Modernised **Laboratories**; **Wi-fi Internet Facilities** for the whole campus**; Botanical Garden**; **Vermi Composting Unit; Fishery and Hatchery Complex**; **Bioinformatics Centre**; **Computerised Library** ; **Prayer Hall**; **Counselling Centre**; **Games Facilities**; Stand by **power supply** for the whole campus; **Canteens**; **Computerised Language Lab**; **Medical Aid Facilities**; **ICT facilitated** classrooms; **Students' Computer Centre**; **Audio** and **Video Studios**; **Sound Labs** and **recording facilities**; **Research Labs**; **Gymnasium**; **Medical Aid Room**; **Ambulance Support**(24 hrs. Support); **Waste Management**; **Green Campus Certification**; **Energy Saving Solar Lights; Disabled Friendly Infrastructure Layout; Stationery & Book Shop; RO Drinking water; 2 ATM Counters; Animal House**.

The College is affiliated to the North Eastern Hill University for Post Graduate Courses in Biotechnology and Computer Applications and Graduate Degree Courses in the Arts, Science, Commerce and Business Administration streams. The PG courses follow the semester system – four for the M.Sc. course and six for the MCA course.

Hostels

Wi-Fi

Studios

Research Labs

SECTION - II
PROGRAMMES OF STUDY

- M.A. - EDUCATION
- M.A. - POLITICAL SCIENCE
- MSc - BIOTECHNOLOGY
- MCA - COMPUTER APPLICATIONS
- PGDCA - DIPLOMA IN COMPUTER APPLICATIONS

I. PG COURSE

1. M. Sc. BIOTECHNOLOGY

India is among the top global biotechnological powers and the number of people employed for research and development in this booming industry grows nearly 50% annually. Blessed with rich natural bio-diversity, Meghalaya and the entire North Eastern Region holds great potential and promise in the field of Biotechnology. Keenly aware of these opportunities, *St. Anthony's College* has initiated the Master of Science Programme in Biotechnology. The principal objective of this post graduate programme is to develop trained man power who can exploit the abundant bio-resources of the North-Eastern region, particularly Meghalaya. The rich bio-diversity of the North East provides many opportunities to the youth to build careers in areas that utilise life forms for the production of consumer items. Apart from teaching the commercialisation of bio-techniques, the course also aims to equip students to explore the molecular basis of biological diversity using the current techniques in genomic and the proteomics, so that they develop a deeper understanding of eco-systems and contribute to sustainable development of the Northeast.

COURSE STRUCTURE FOR M.Sc				
Semester	*Paper*	*Name*	*Credit*	*Marks*
I	BIT C 101	Cell Biology and Genetics	4	100
	BIT C 102	Biomolecules	4	100
	BIT C 103	Microbiology	4	100
	BIT C 104	Laboratory - I	6	150
II	BIT C 201	Molecular Biology	4	100
	BIT C 202	Immunology	4	100
	BIT C 203	Laboratory - II	4	100
	BIT O 204	Microbial Technology	4	100
	BIT O 205	Laboratory Work	2	50
III	BIT C 301	Computer Applications , Bio-informatics & Biostatistics	4	100
	BIT C 302	Genetic Engineering & Plant Biotechnology	4	100
	BIT C 303	Laboratory III	2	50
	BIT C RP-1	Research Project (IIIrd Semester)	2	50
	BIT O 304	Applied Molecular Genetics	4	100
	BIT O 305	Laboratory Work (Molecular Genetics)	2	50
	BIT O 306	Bio-informatics in Molecular and Cell Biology	4	100
	BIT O 307	Laboratory Work (Bio-informatics)	2	50
IV	BIT C 401	Animal Cell Science and Basic Enzymology	4	100
	BIT C 402	Bioprocess Engineering and Technology	4	100
	BIT C 403	Environmental Biotechnology, IPR, Biosafety & Bioentrepreneurship	4	100
	BIT C 404	Laboratory IV	4	100
	BIT C RP-2	Research Project (continued from 3rd Semester)	2	50

Faculty

Sl. No.	Name	Qualification	Teaching Experience	
1.	Dr. Mostaque A. Laskar	Ph.D	20 years	
2.	Dr. Herbert G. Lyngdoh	Ph.D	17 years	
3.	Smt. Ivee Boiss	M.Sc, MPhil	17 years	→ *Pursuing Research*
4.	Dr. Laishram I. Singha	Ph.D	16 years	→ *on study leave*
5.	Dr. Saibadaihun Nongrum	Ph.D	15 years	
6.	Shri Thy Answer Challam	M.Sc	12 years	
7.	Shri. V. Morgan Wann	M.Sc	11 years	
8.	Ms. Inda Mary Basaiawmoit	M.Sc	11 years	
9.	Ms. Aldonna M. Susngi	M.Sc	9 years	
10.	Shri Stevenson Thabah	M.Sc	9 years	
11.	Shri Mc. Kinnel Lyngwi	M.Sc	9 years	
12.	Smt. Linu John	M.Sc	9 years	→ *Pursuing Research*
13.	Dr. Clara E. Sawian	Ph.D	8 years	
14.	Ms. Sona Lyndem	M.Sc	5 years	
15.	Dr. Pyniarlang L. Nongbri.	Ph.D	3 years	
16.	Dr. Judith Mary Lamo	Ph.D	2 years	→ *Leave vacancy post*
17.	Dr. Baphilinia J. Mylliemngap	Ph.D	1 year	

Adjunct Faculty : Dr. Ashit B. Chakraborty (Statistics)

Fr. Dr. Joby Joseph (Computer Science)

Shri. Aibankit Warjri (Business Administration)

Shri. David Marbaniang (Business Administration)

Shri Lemuel Rapsuk (Computer Science)

Shri. Bablulal Rajak (Computer Science)

Faculty-Student ratio: 1:3

FEES STRUCTURE

Admission Fee	-	₹	200.00	
Tuition Fee	-	₹	120.00	per month
College Fee	-	₹	550.00	per month

Laboratory Fee	-	₹	800	per month
Laboratory Expendibles	-	₹	800	per month
Security deposit	-	₹	2000	one time (refundable)
Session Fees				
Tests and Examinations	-	₹	800	per year
Library & Journals	-	₹	2800	per year
Library Deposit	-	₹	500	one time (refundable)
Internet	-	₹	500	per year
Software licensing	-	₹	1500	per year
Co-curricular Activities	-	₹	650	per year
Identity card	-	₹	200	one time
Development Fund	-	₹	900	per year
Building	-	₹	600	per year
Maintenance	-	₹	600	per year
College Journal	-	₹	300	per year
College ERP (Enterprise Resource Planning)	-	₹	650	per year
First Aid	-	₹	200	per year
Personality Development	-	₹	250	per year
Soft Skills	-	₹	200	(for the first year)
DCRGF*	-	₹	100	per year	*Death Cum Retirement Gratuity Fund*
CPDF*	-	₹	2740	per year	*College Post Development Fund*
Enrolment Fee	-	₹	200	one time
University Fees				
Registration Fee	-	₹	200	one time

FEES

Semester academic fee can be paid in two instalments as per the schedule given below:

Odd Semester		Even Semester	
1st Installment	**2nd Installment**	**1st Installment**	**2nd Installment**
Date of Admission	10th November	20th Febuary	10th June

- **All late fee payments will carry a fine of ₹ 250.00 per month.**

- **For the 2nd /3rd Years of PG Courses, the annual fee payable will be as in the first year, subtracting the components of Enrolment Fee, Registration Fee, Library Deposit, Caution Deposits (if any) and Identity Card Fee .**

Estimated cost of the hostels Fees	:	₹ 26,000/- (per annum)

ADMISSION

ELIGIBILITY: Graduates with Honours in Biotechnology, Biochemistry, Zoology, Botany, Microbiology, Genetics and Bioinformatics.

ENTRANCE TEST

- The test will be of 60 Minutes duration.

- Students will be tested in the areas of Biochemistry, Cell and Molecular Biology, Genetics, Microbiology, Immunology, Basic Zoology and Botany, taught at the B.Sc. level and Chemistry taught at the Higher Secondary Level.

- The test will have two sections:
    - Section A will have 40 multiple choice type questions.
    - Section B will have 20 fill-in-the Blanks type of questions.
    - Negative marks will be awarded to incorrect answers.

SELECTION

Candidates shortlisted based on their performance in the written test will be called for personal interview. The final merit list of candidates will be prepared based on the marks obtained in written test and interview.

DOCUMENTS TO BE SUBMITTED ALONG WITH THE FORM

The application form should be submitted together with the following:

a) Attested copies of Class X, Class XII and Graduation marksheets (whichever years are available).

b) Two recent, attested, passport size photographs (one to be affixed in the application form in the space provided and another to be submitted separately, along with the application form). For candidates applying for both M.Sc (Biotechnology) and MCA, three recent, attested, passport size photographs (one to be affixed in the application form in the space provided and the other two to be submitted separately, along with the application form).

c) Incomplete / soiled forms will not be accepted

2. MASTER OF COMPUTER APPLICATIONS (MCA)

For the last several years now, *St. Anthony's College* has been in the vanguard of Professional Education in the North Eastern region of India. In pursuance of its continued efforts, it has introduced the Post Graduate Programme of Master of Computer Applications (MCA) from 2007. The college is affiliated to the North Eastern Hill University

(NEHU) and approved by All India Council of Technical Education (AICTE) to offer the MCA programme. This three-year Master of Computer Applications (MCA) course aims to prepare candidates for the IT industry. It will provide the necessary theoretical foundation and the skills to make the successful candidates proficient in software development, paving the way for self-employment. The core focus of the course is on Database, Application Programming, System Level Programming and Network and Internet Technologies. Adequate emphasis is given to the Open Source Software platform and emerging technologies. The need for continuity in the electives offered in the fourth and fifth semesters, leading to desired specialisation, has been given due attention.

The Audit Courses included in the syllabus, one per year, would give the candidates soft skills necessary for the employment market.

Course Structure for M.C.A		Credits			Hours per week
	Paper	Theory/ Tutorial	Practical/ Assignment	Total	
SEMESTER I:23 CREDITS					
101	Digital Logic Design	4	-	4	4
102	Programming & Problem Solving through C	4	2	6	8
103	Organisation Behaviour	4	-	4	4
104	Accounting and Financial Management	4	-	4	4
105	Discrete Mathematics and Pobability Theory	5	-	5	5
SEMESTER II:25 CREDITS					
201	Theory of Computation	3	-	3	3
202	Data structures using C++	4	2	6	8
203	Object Oriented Programming and Design	4	2	6	8
204	Computer Graphics	3	2	5	7
205	Computer Organisation and Architecture	5	-	5	5
SEMESTER III:25 CREDITS					
301	Database Management System - I	4	-	4	4
302	Data Communication and Networks - I	4	-	4	4
303	Operating System	4	2	6	8
304	Design and Analysis of Alogorithms	4	1	5	6
305	GUI Programming using VB.NET	4	2	6	8

SEMESTER IV:23 CREDITS					
401	Software Engineering	4	-	4	4
402	Data Communication and Network - II & Network Programming using Linux	4	2	6	8
403	Oracle	1	3	4	7
404	Database Management System - II	4	-	4	4
405	Internet Technology and Applications	1	3	4	7
406	** Elective I			4	4
SEMESTER V:23 CREDITS					
501	Compiler Design	3	2	5	7
502	Programming through Java	4	2	6	8
503	System Programming	4	2	6	8
504	***Elective II			5	5
505	Minor Project	-	4	4	8
SEMESTER VI:23 CREDITS					
601	Major Project	-	15	15	30
Audit Course					
	Communication Skills	1st Year			
	Ethics	2nd Year			
	Entrepreneurship	3rd Year			
**Elective I					
406.1	Operations Research	3	2	5	7

To better equip the students of MCA the following Courses will be compulsory as indicated:

1. SAP - 1st Year   2. CCNA - 2nd Year

The fee for the add-on courses is not included in the MCA course fee.

STATUTORY INFORMATION AS PER AICTE NORMS

Name of the institution	:	St. Anthony's College
Name and address of the Principal	:	Rev. Br. Albert Longley Dkhar, SDB
		St. Anthony's College, Shillong – 793 001
Name and address of the Director	:	Dr. Anjan Das
		St. Anthony's College, Shillong – 793 001
Name of affiliating University	:	North Eastern Hill University
Name of programme	:	M.C.A.
Number of seats sanctioned	:	30 x 3 years
Duration	:	3 years
Cut off mark	:	50 %

FACULTY

Sl. No.	Name	Qualification	Teaching Experience	
1.	Dr. Anjan Das	Ph.D	20 years	
2.	Dr. Probidita Roychoudhury	M.C.A	18 years	
3.	Smt. Aiusha V. Hujon	M.Sc.	15 years	
4.	Smt. Medari J. Tham	M.C.A	15 years	→ *Pursuing Doctoral Research*
5.	Shri Kesterlee Syiemiong	M.Sc	11 years	
6.	Fr. Dr. Joby Joseph	M.Sc., Ph.D	11 years	
7.	Smt. Ibanroilin Nongrum	M.Sc	10 years	
8.	Smt. Polynia V. Kharbuli	M.C.A	8 years	

Adjunct Faculty :   Shri. Albert S. Kharbuli (Commerce), Shri Aibankit L. Warjri (Business Administration),
Dr. Padmini Bhattacharjee (Mathematics)

Faculty-Student ratio 1:3

FEES STRUCTURE

Admission Fee	:	₹	200	
Tuition Fee	:	₹	120	per month
College Fee	:	₹	600	per month
Laboratory Fees	:	₹	1000	per month
Special Course Fee	:	₹	1000	per month
Laboratory Expendibles & Equipments	:	₹	1000	for six months
Security deposit	:	₹	2000	one time (refundable)

Session Fees

Tests and Examinations	:	₹	800	per year
Library & e-journals	:	₹	6000	per year
Library Deposit	:	₹	500	one time (refundable)
Internet	:	₹	500	per year
Co-curricular Activities	:	₹	650	per year
Identity card	:	₹	200	one time
Development Fund	:	₹	900	per year
Building	:	₹	600	per year
Maintenance	:	₹	600	per year
College Journal	:	₹	300	per year
College ERP (Enterprise Resource Planning)	:	₹	650	per year
First Aid	:	₹	200	per year
Personality Development	:	₹	250	per year
Soft Skills	:	₹	200	(for the first year)
DCRGF	:	₹	100	per year
CPDF	:	₹	2740	per year
Enrolment Fee	:	₹	200	one time
Insurance of Students	:	₹	300	(annually)

University Fees

Registration Fee	:	₹	200	one time

Estimated hostels Fees	:	**₹ 26,000/- (per annum)**

FEES

Semester academic fee can be paid in two instalments as per the schedule given below:

Odd Semester		Even Semester	
1st Installment	2nd Installment	1st Installment	2nd Installment
Date of Admission	10th November	20th Febuary	10th June

- **All late fee payments will carry a fine of ₹ 250.00 per month.**
- **For the 2nd /3rd Years of PG Courses, the annual fee payable will be as in the first year, subtracting the components of Enrolment Fee, Registration Fee, Library Deposit, Caution Deposits (if any) and Identity Card Fee .**

ADMISSION

ELIGIBILITY

a) Bachelor's Degree with Honours in any stream. The candidate should have passed mathematics or equivalent at the Plus Two level or UG level.

b) At least 55% in the aggregate (in the honours subject) and consistently good academic record.

ENTRANCE TEST

The test will follow the objective and/or descriptive pattern of testing. There will be three sections that the candidates will have to answer:

- Logical & Numerical Aptitude
- Basic Mathematical Aptitude
- Mathematics (of Class XII standard) or Computer Science/Applications (of Degree standard). The candidates will have option for answering either the Mathematics or the Computer Science under this section.

DURATION : 2 HOURS

SELECTION

Candidates shortlisted based on their performance in the written test will be called for the interview. The final merit list of candidates will be prepared based on the marks obtained in written test, interview and degree examination. Aggregate marks secured in written test and interview will have 70% weightage and the degree marks will have 30% weightage.
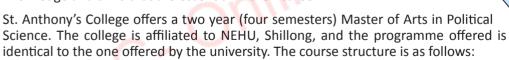
DOCUMENTS TO BE SUBMITTED ALONG WITH THE FORM

The application form should be submitted together with the following:

a) Attested copies of Class X, Class XII and Graduation marksheets (whichever years are available).

b) Two recent, attested, passport size photographs (one to be affixed in the application form in the space provided and another to be submitted separately, along with the application form). For candidates applying for both M.Sc (Biotechnology) and MCA, three recent, attested, passport size photographs (one to be affixed in the application form in the space provided and the other two to be submitted separately, along with the application form).

c) Incomplete / soiled forms will not be accepted

> **FOR DATES OF THE ENTRANCE EXAMS PLEASE REFER TO PAGE 27**

3. MASTER OF ARTS IN POLITICAL SCIENCE (M.A.)

Political Science focuses on the theory and practice of government and politics at the international, national, state and local levels. It helps students to understand the institutions, practices and relations that constitute the public life. As a discipline, it uses different approaches and the courses taught equip students with critical knowledge and skills that are essential in their career.

St. Anthony's College offers a two year (four semesters) Master of Arts in Political Science. The college is affiliated to NEHU, Shillong, and the programme offered is identical to the one offered by the university. The course structure is as follows:

COURSE STRUCTURE OF M.A. POLITICAL SCIENCE			
SEMESTER I:18 CREDITS			
Paper	**Name of the Paper**	**Credits**	**Course**
POL-C.101	Liberal Political Theory	4	Compulsory Core Courses
POL-C.102	Theory of International Politics	4	
POL-C.103	Major Concepts and Issues in Public Administration	4	
POL-C.104	Indian Political System	4	
SEMESTER II:18 CREDITS			

POL-C.201	Marxist Political Theory	4	Compulsory Core Courses
POL-C.202	Problems of International Politics	4	
POL-C.203	State Politics in India with Spl.Ref. to N.E.India (II)	2	
POL-C.205	Administrative Theory	4	Optional Core Course
POL-O.209	Democracy in India	4	Open Course
SEMESTER III:18 CREDITS			
POL-C.301	Contemporary Political Theory	4	Compulsory Core Courses
POL-C.302	Research Methodology (I)	2	
POL-C.303	Issues in Women's Studies	4	Optional Core Courses*
POL-C.304	International Law & International Organisation	4	
POL-C.305	South Asian Political Systems	4	
POL-C.306	African Political Systems	4	
POL-O.307	Globalisation	4	Open Courses*
POL-O.308	Politics of Social Movements in India	4	
POL-O.309	Women & Political Theory	4	
POL-O.310	Development Administration	4	
POL-O.311	Issues in Environmental Politics	4	
SEMESTER IV:18 CREDITS			
POL-C.401	Major Debates in Political Theory	4	Compulsory Core Courses
POL-C.402	Comparative Politics	4	
POL-C.403	Research Methodology (II)	2	
POL-C.404	Political Ideology	4	Optional Core Courses*
POL-C.405	Political Sociology	4	
POL-C.406	Foreign Policy of Major Powers	4	
POL-C.407	Indian Political Economy	4	
POL-C.408	Human Rights	4	

* Optional and Open Courses will be taken as per choice of the students.

ADMISSION

ELIGIBILITY

a) Bachelor's Degree with Honours in Political Science.

b) At least 55% in the aggregate (in the honours subject) and consistently good academic record.

ENTRANCE TEST

The test will follow the objective and/or semi-descriptive pattern of testing.

Areas to be covered: Undergraduate syllabus.

DURATION : 90 MINUTES

SELECTION

Candidates shortlisted based on their performance in the written test will be called for the interview. The final merit list of candidates will be prepared based on the marks obtained in written test, interview and degree examination.

DOCUMENTS TO BE SUBMITTED ALONG WITH THE FORM

The application form should be submitted together with the following:

a) Attested copies of Class X, Class XII and Graduation marksheets (whichever years are available).

b) Two recent, attested, passport size photographs (one to be affixed in the application form in the space provided and another to be submitted separately, along with the application form).

c) Incomplete / soiled forms will not be accepted

4. MASTER OF ARTS IN EDUCATION (M.A.)

Education is the basis for development and empowerment for every nation. The development of a nation is not measured through the buildings it has built, the roads it has laid down, bridges it has constructed but by the human resources, the nation has developed through a well-defined system of education. Indian higher education system is the third largest in the world, next to the United States and China. India as a developing nation is contentiously progressing in the education field and there will be a tremendous pressure of numbers on this system and a large number of additional stu-

dents will be knocking at the doors of higher education institutions in the country. Thus, the role of colleges and universities in the new millennium, and emerging scientific research on how people learn is of utmost important. St Anthony's College, Shillong has taken the initiative to introduce Post Graduate programme of Masters of Education. The main objective of this programme is to provide holistic and quality education within the reach of all.

Paper	Name of the Paper	Credits	Course
COURSE STRUCTURE OF M.A. IN EDUCATION			
SEMESTER I:18 CREDITS			
EDN(C): 101	Philosophical Foundations of Education	4	Compulsory Core Courses
EDN(C): 102	Advanced Educational Psychology	4	
EDN(C): 103	Educational Management and Change	4	
EDN(C): 104	Research Methodology in Education - I	4	
EDN(C): 105	Research Methodology in Education - II	2	
SEMESTER II:18 CREDITS			
EDN(C): 201	Curriculum Development and Instruction	4	Core
EDN(C): 202	Sociology of Education	4	
EDN(C): 203	Educational Testing and Evaluation	4	
EDN(O): 204	Environmental Education	4	Open
EDN(O): 205	Mental Health Education	2	
SEMESTER III:18 CREDITS			
EDN(C): 301	Information and Communication Technology (ICT) in Education	4	Core
EDN(O): 302	Comparative Education	4	Open
EDN(C): 303	Elective – I (anyone of the followings) 303.01 Experimental Research Designs in Education 303.02 Early Childhood Education 303.03 Open Learning and Distance Education	4	Core
EDN(C): 304	Elective – II (anyone of the followings) 304.01 Inclusive Education – I 304.02 Educational Thought – I (Indian) 304.03 Teacher Education - I	4	Core
EDN(O): 305	Education in Political Perspective	2	Open

SEMESTER IV:18 CREDITS			
EDN(C): 401	Laboratory Practical	4	Core
EDN(C): 402	Higher Education in India	4	Core
EDN(C): 403	Elective – III (anyone of the followings) 403.01 Guidance and Counselling 403.02 Women Studies and Education 403.03 Education for Rural Development	4	Core
EDN(C): 404	Elective – IV (anyone of the followings corresponding to the related course under EDN(C): 304 Elective-II) 404.01 Inclusive Education – II 404.02 Educational Thought – II (Western) 404.03 Teacher Education – II	4	Core
EDN(C): 405	Economics of Education	2	Open

ADMISSION

ELIGIBILITY

a)   Bachelor's Degree with Honours in Education.

b)   At least 55% in the aggregate (in the honours subject) and consistently good academic record.

ENTRANCE TEST

The test will follow the objective and/or semi-descriptive pattern of testing.

Areas to be covered: Undergraduate syllabus.

DURATION : 90 MINUTES

SELECTION

Candidates shortlisted based on their performance in the written test will be called for the interview. The final merit list of candidates will be prepared based on the marks obtained in written test, interview and degree examination.

DOCUMENTS TO BE SUBMITTED ALONG WITH THE FORM

The application form should be submitted together with the following:

a)   Attested copies of Class X, Class XII and Graduation marksheets (whichever years are available).

b)   Two recent, attested, passport size photographs (one to be affixed in the application form in the space provided

and another to be submitted separately, along with the application form).

c) Incomplete / soiled forms will not be accepted

5. GENERAL FEES STRUCTURE FOR M.A.

The fees structure for the General Post-Graduate Programmes of study are outlined below.

Admission Fee	₹	200.00	
Tuition Fee for Honours Course	₹	120.00	per month
College Fee	₹	8000.00	per year
Session Fees			
Tests and Examinations	₹	800.00	per year
Library	₹	700.00	per year
Library Deposit	₹	500.00	one time (refundable)
Internet	₹	500.00	per year
Software Licensing	₹	500.00	per year
Co-curricular Activities	₹	650.00	per year
Identity card	₹	200.00	per year
Development Fund	₹	900.00	per year
Building	₹	1560.00	per year
Maintenance	₹	600.00	per year
College Journal	₹	300.00	per year (includes Mosiac, e-Mosiac and newsletter)
College ERP Usage	₹	650.00	per year
First Aid	₹	200.00	per year
Personality Development	₹	250.00	per year
Soft Skills	₹	200.00	for first year only
DCRGF*	₹	100.00	per year
CPDF*	₹	2740.00	per year
Enrolment Fee	₹	200.00	one time

Laboratory Fees: As per lab requirements (for M.A. in Education)

Field Trip/Study Tours	**As per actual expenses** (not included above)		
University Registration Fee	₹	200.00	one time

All fees and dues are to be deposited at St. Anthony's College Extension Counter of the Central Bank of India, after the Fee Book has been countersigned at Collge Office No. 3. The fees are liable to be changed from year to year.

6. DATES TO REMEMBER FOR M.A., MSc and MCA

- Last date for request for applications : 25th June, 2020   Thursday
- Last date for submission of applications : 26th June, 2020   Friday
- Date of entrance test : 29th June, 2020   Monday
- Date for announcing list for interview : 2nd July, 2020   Thursday
- Dates of interview : 6th & 7th July, '20   Monday & Tuesday
- Final result : 09th July, 2020   Thursday
- Last date of closing admission : 24th July, 2020   Friday
- Starting of academic session : 29th July, 2020   Wednesday

Policy of refund of the fee in case of withdrawal : Fees refund will be applicable if admission is withdrawn before 27.07.2020

7. POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS (PGDCA)

The Post Graduate Diploma Course in Computer Applications (PGDCA) is a one-year course spread over two semesters. It starts in July every year. The course content is modelled after the syllabi of comparable programmes conducted by the top universities of India and the DOEACC (Ministry of Information Technology, Government of India, and AICTE).

The course is employment-oriented. It provides a strong foundation in the theoretical concepts of computer science as well as a firm grounding in Visual Programming Languages. Started in 1993, the course content has been constantly updated to realise its main objectives. It is designed to enable one to undertake software applications for business and industry. Successful candidates could also opt for a teaching career in secondary and higher secondary schools. The final diploma is awarded by the North Eastern Hill University after completion of the second semester examinations. Being a recognised Post-Graduate Diploma from a Central University, it commands wider acceptability and prestige compared to the Certificates awarded by computer training institutes.

COURSE TIMINGS

Duration : Starts in July and ends in June of the following year

Time : 3:00 pm to 6:00 pm (Monday to Friday)

SCHEDULE FOR ADMISSION AND CLASSES

Last date for submission of application forms : 24th July, 2020 Friday

Personal Interview : 27th July, 2020 Monday

Shortlisting of Selected Candidates : 28th July, 2020 Tuesday

Classes begin on : 29st July, 2020 Wednesday

COURSE FEES

Tuition & Course Materials : ₹ 20,000 (payable in three instalments of ₹ 8,000 on admission, ₹ 7,000 in October and ₹ 5,000 in February of the following year)

Session Fees (to be paid at the time of admission)

Admission Fees	:	₹	200.00
Caution Deposit	:	₹	500.00 (refundable on completion of the course)
Tests and Examinations	:	₹	800.00
Software Licensing	:	₹	1000.00
Development Fund	:	₹	900.00
Building	:	₹	600.00
Maintenance	:	₹	600.00
College Journal	:	₹	300.00
Identity Card	:	₹	200.00
Medical	:	₹	200.00
DCRGF	:	₹	100.00

University Fee

Examination Fee : To be intimated at the time of registering for the examination

PROJECT WORK

The Project Work, spread over two months (one month for System Analysis and Design and one month for actual Project preparation and implementation), is the culmination of the PGDCA Course. Students are encouraged to bring ideas for Projects from actual work situations (institutions, business enterprises, administrative set - ups, etc) and to implement the completed projects for clients who are interested. However, the projects submitted as a part of the the course requirement, remain the property of St. Anthony's College.

ADMISSION

Eligibility :

    a) Graduates in Arts, Science or Commerce streams.

    b) 50% in the aggregate at the qualifying graduate course.

Admission Procedure : Admission will be decided on a first-come-first-serve basis and an Interview to determine aptitude.

Number of seats : Thirty only. Five seats are reserved for candidates from Church-related institutes.

COURSE STRUCTURE

Semester	Paper		Class Hours	Marks		Credits	Hours / wk
	No	Name		Internal Assess-ment	Semester Exam		
1	DCA-101	Digital Logic and Computer Organisation	50	25	75	3	3
	DCA-102	Data Communications and Networking	50	25	75	3	3
	DCA-103	Database Management Systems	50	25	75	3	3
	DCA-104	Programming in C	50	25	75	3	3
	DCA-105	Accounting and Financial Management	50	25	75	3	3
	DCA-106	Practical 1 : Programming in C	50	25	75	2	3
2	DCA-207	Programming for the World Wide Web	50	25	75	3	3
	DCA-208	Programming in VB.Net	50	25	75	3	3
	DCA-209	Software Engineering	50	25	75	3	3
	DCA-210	Practical 2 : Programming for World Wide Web	50	25	75	2	3
	DCA-211	Practical 3 : Programming in VB.Net	50	25	75	2	3
	DCA-212	Project	100	25	75	4	Viva
			650	300	900	34	

8. GRADUATE COURSES

The College offers three year Graduate programme in Arts, Business Administration, Commerce, Music and Science under affiliation from the North Eastern Hill University (NEHU), Shillong.

■ **Bachelor of Arts**

Honours in – Economics, English, History, Khasi, Philosophy, Political Science, Maths, Statistics

■ **Bachelor of Commerce**

Specialization in – Accounting & Finance, Management, Marketing, Banking and Insurance

■ **Bachelor of Science**

Honours in – Botany, Chemistry, Mathematics, Physics, Statistics, Zoology, Economics

9. PROFESSIONAL COURSES

■ **Bachelor of Arts**

Honours in – Mass Communication and Video Production, Media Technologies, Music

■ **Bachelor of Business Administration**

Specialization in – Financial Management, Marketing Management and Human Resource Management

■ **Bachelor of Science**

Honours in – Biochemistry, Biotechnology, Computer Science, Fishery Science, Geology

10. GLOBALLY CERTIFIED COURSES

CISCO CERTIFIED NETWORK ASSOCIATE (CCNA) ·ı|ıı·ı|ıı **CISCO**

Companies are facing a shortage of talented manpower with the skills to drive their business into the 21st century Internet economy. With this in mind, St. Anthony's College, with the support of the IT Department (Government of Meghalaya), offers the CISCO Certified Network Associate (CCNA) program.

♦ The program has four modules which require 280 hours of instruction.

♦ Successful candidates will be awarded the internationally recognised CISCO Certified Network Associate (CCNA) certification.

♦ CCNA certified professionals can install, configure, and operate Local Area Networks (LAN), State Wide Area Networks (SWAN) and Internets.

♦ The program also equips one to take up other exciting IT-related careers in the public and private sectors, as well as for higher education in engineering, computer science and related fields.

ORACLE WORKFORCE DEVELOPMENT PROGRAMME (OCA) ORACLE®

The demand for database administrators and professionals is growing at an exponential rate. In an answer to this growing demand, St. Anthony's College has entered into an agreement with Oracle Ltd., to conduct the Workforce Development Program (WDP) in the campus. With this, the College plans to deliver Oracle training by Company-certified instructors using in-house infrastructure.

The WDP agreement entitles the college to conduct the following modules

♦ **Oracle Certified Associate (OCA):** This module consists of
- o Introduction to SQL: Using Oracle 9i
- o Database Fundamentals I

♦ **Oracle Certified Professional (OCP):** This requires the following prerequisites
- o Completion of OCA programme

In addition to the above, the OCP training includes two more modules
- o Database Performance Tuning
- o Database Fundamentals II

After the completion of each module, the candidate is eligible for a participation certificate from Oracle Ltd., and those completing the on-line examination will get a professional certification from Oracle Ltd. The College by having entered into WDP contract is officially certified to conduct the on-line tests for OCA and OCP certification.

These Oracle courses are open to the students of the College only.

RED HAT CERTIFICATION (RHCE)

With a view to encourage employment oriented programmes, St. Anthony's College has entered into an agreement with Red Hat for conducting RHCE and RHCT Certification Courses. The Certification will open opportunities for employment in the Computer Industry spectrum for System administration.

SAP

SAP is a leading Enterprise Resource Planning (ERP) systems integrate internal and external management information across an entire organization. SAP AG is the world leader in enterprise software and software-related services (with 65% Market Share). In India over 6000 companies have successfully deployed SAP with the help of 1600 + SAP partners.

• The purpose of ERP is to facilitate the flow of information between all business functions inside the boundaries of the organization and manage the connections to outside stakeholders.

• Globally Every Industry, Small/Medium and Large Business use ERP for their day-to-day transaction.

• SAP applications and services enable more than 238,000 customers to operate profitably, adapt continuously, and grow sustainably.

• SAP India is the fastest growing subsidiary of SAP AG, and began its operations in 1996 with headquarters in Bangalore and offices across India.

Sap Education Programme consists of following courses:

1. SAP 01- This Course will enable Students to be familiar with Business process in Best Companies.

2. SAP B1-Business 1 Course Content with Functional and Technical Modules. On completion of this course with SAP World :Level Certification students get job opportunities in Consulting Career in SME Segment.

Benefits to Students.

• In-depth Knowledge of Enterprise Resource Planning(ERP) which will help them in all kinds of jobs.

• In-depth knowledge of Business Processes and Business Functions - will help them to relate their jobs better.

• Understanding of SAP Functions (SAP 01) and Global Level Certification Program(SAPB1).

Tally ERP 9.0

This is the Complete Business Management solution used for finance and resource management of industries worldwide. Tally ERP is the most widely used accounting package in the country and is gaining momentum worldwide. The features include:

• Quick to install and allows incremental implementation of business

• Easy to customise and manage

• Powerful remote capabilities to boost collaboration with clients

• Audit & compliance services

• Integrated support centres

• Security management of data

• Statutory processes

• Manufacturer's excise

• Payroll processing.

• Report creation and inventory, etc.

Benefits to Students

• Skill in computer aided accounting and inventory management

• Certification from the best in the Class

• Career options as accountant and finance heads

• Skill in fund flow analysts and project heads

11. DIPLOMA COURSES

DIPLOMA IN COMPUTER APPLICATIONS (DCA)

The college conducts a six-month full-time diploma course for the school teachers of the North Eastern states selected by the North Eastern Council. This course aims to equip them to teach Computer Applications in classes VIII to XII. The course consists of the following areas:

- Information Technology
- Programming in C++ and Java
- Adobe Flash and Multimedia

UGC-APPROVED CAREER ORIENTED COURSES

The objective of the UGC scheme of Career Oriented Courses is to introduce career and market-oriented, skill-enhancing add-on courses that have utility for employment and empowerment of students. At the end of the three years of graduate studies, the students will be equipped with a Certificate/Diploma/Advanced Diploma along with a conventional degree in Science/Arts/Commerce.

In the UGC scheme, a Certificate Course consists of 20 credits, each requiring 15 hours of class/practical/project work (a total of 300 hours). A Diploma Course has 40 credits and an Advanced Diploma 60 credits. The focus is on acquiring and enhancing employable skills. Assignments/case studies/practicals/on-the-job training/project work will be an integral part of the course.

ARTS / SOCIAL SCIENCES

- **COMMUNICATION SKILLS**
  - To develop soft skills in the form of effective communication
  - Build up skills in public speaking, listening, group work
  - Build confidence, develop personality
  - Impart relational skills useful for environments within the job, home and society
  - Get an upper hand in the job market

- **VIDEO AND AUDIO PRODUCTION**
  - To provide hands-on training in the basic skills of audio and video production
  - To acquire competence to take up projects, activities and assignments in planning and producing audio and video programs.
  - To be able to avail of career and employment opportunities with government, ad agencies, NGOs.

- To provide knowledge and the skills necessary for Post-Graduate/ Master's level media courses.

COMMERCE

■ **TALLY ERP 9**

- To provide a global certification in Accounting using the widely used ERP Accounting tool.
- To familiarise the students of Commerce in the field of Budgeting and Auditing.
- To provide an employable edge for the skill market of banking and industry.

SCIENCE

■ **DESKTOP PUBLISHING**

- Introduction to the world of Desktop Publishing
- Understand the technologies involved in Desktop Publishing
- Develop competence in the area of Illustration, Image Editing and Page Layout using software packages such as Corel Draw, Adobe Photoshop and Adobe Pagemaker
- Prepare for self-employment

CERTIFICATE COURSES IN COMPUTER APPLICATIONS

The College conducts regular Certificate Courses in MS Windows, MS Word, FoxPro, Excel, C++, Web Designing and HTML, Multimedia, 2D and 3D modelling and Animation, Photoshop, Digital Video Editing, Digital Audio Production and DTP. (Contact the Department of Computer Science for details)

12. CO-CURRICULAR COURSES

Apart from the degree, certificate and diploma courses mentioned above, the College also conducts several other extra academic workshops and programmes. The following are some of them:

SOFT SKILLS

In order to better equip our students for employability in today's job market, the College conducts sessions on various Soft Skills. All final year students are required to complete this course on soft skills and attain the certificate prior to attending the Final End Semester Examinations.

PERSONALITY DEVELOPMENT

We, at Anthony's believe that education is to touch the entire person. While the intellect is formed with knowledge and experience in the class rooms, developing of values of the heart is also to be given much importance. The Department of Value Education looks into organising sessions of this interest for all students in the college and our extension centre in Siloam.

The amounts of the above two will have to be paid by the students at the time of admission. This amount been phased out through the three years in the following pattern:

Soft Skills	₹ 400	: 200 + 100 + 100 (Yearly break up)
Personality Development	₹ 250 (per year)	

MBA COACHING PROGRAMME

Student Development Services (SDS) department is the Centre for Career and Personal Guidance of St. Anthony's College. The Coaching Programme for Management Entrance Examinations conducted by the SDS is an attempt to enable students from this part of the Country to prepare themselves for these tough, highly competitive Entrance Examinations. The programme has had a good response and good results. Each year some of our students have received invitations for interview and Group Discussion from the IIMs, and several others have joined other Management Institutes of repute.

♦ **COURSE CONTENT**

English
- Reading Comprehension and Verbal and writing Ability

Mathematics
- Mathematical Problems Solving and Quantitative Aptitude: Topics in Arithmetic, Elements of Vedic Mathematics, Algebra, Trigonometry, Geometry, Mensuration and Statistics
- Data Interpretation

Logical Reasoning
- Analytical Ability: Analysis of a situation, understanding the structure of and drawing conclusion from a given set of relation, etc.
- Practical Judgement: Comprehension, dissection and evaluation of arguments, fallacies, assumption in and inferences from a statement, logical deduction, logical diagrams, analogy, critical reasoning.

Group Discussion and Interview Techniques
- Hands on practice for Group Discussions, involving video recording and feedback. Mock Interview Sessions are also conducted to give the student first hand experience in facing an interview panel.

♦ **COURSE DURATION**

The Course involves 90 teaching hours including group discussion, interview sessions and practice tests. The programme is conducted during the months of June - October.

♦ **FEES STRUCTURE**

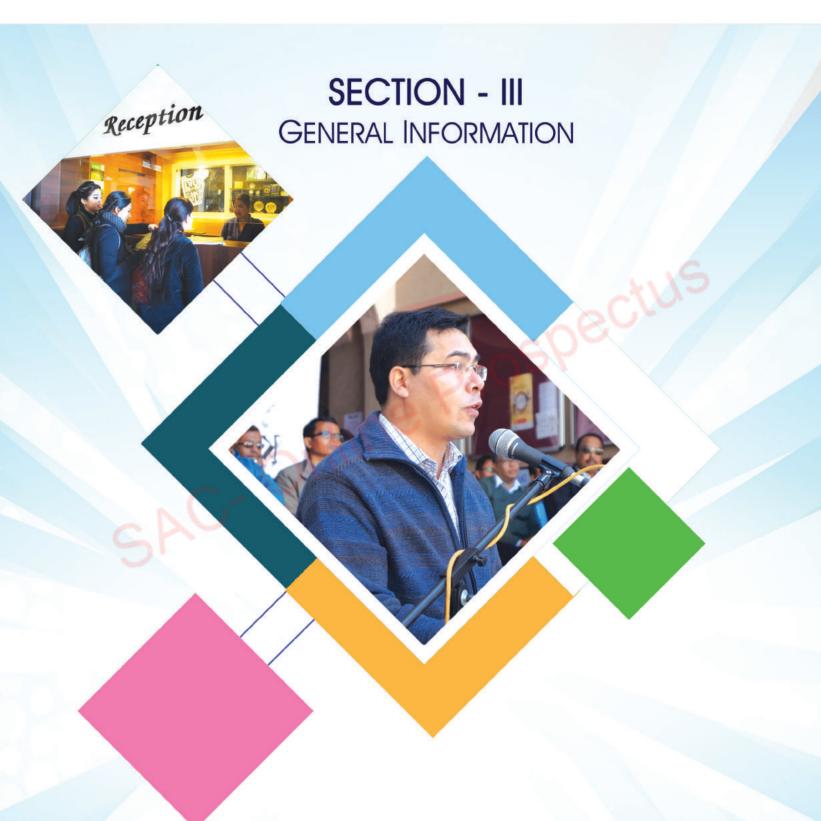|			
Application Form	:	₹	10.00
Course Fee	:	₹	3000.00
Course and Test Material	:	₹	500.00
Caution Deposit	:	₹	500.00
Software Licensing	:	₹	350.00

♦ **CLASS TIMINGS**

4 - 6 p.m. on Tuesdays, Wednesdays, Thursdays and Fridays according to the Programme given at the beginning of each module. If unforeseen holidays fall on any of these days, classes may be adjusted on Mondays.

MSc (BIOTECHNOLOGY) COACHING PROGRAMME

The Coaching Programme organised by the SDS each year is aimed at preparing the students of Life Sciences for the MSc (Biotechnology) entrance tests conducted by different institutes including JNU and IITs (JAM). As the students of Life Sciences are typically out of touch with Mathematics and Physics during their years of graduate studies and as these subjects form an integral part of the entrance tests, this coaching programme concentrates on Physics and Mathematics required for these tests.

Course Duration : 36 Hours.

SECTION - III
GENERAL INFORMATION

COLLEGE OFFICES

The administrative offices of the College are located on the ground floor, adjacent to the main lobby, for the convenience of the staff, the students and the general public. The offices look after the following matters:

Reception: All Enquiries   **Office 1 :** Accounts and Finances   **Office 2 :** Administrative Matters
Office 3 : Admission and Examinations   **Office 4 :** Confidential   **Office 5 :** Scholarships

INTERNATIONAL STUDENTS

1. Attested copies (in duplicate) of the Passport and Visa are to be submitted along with the application form.

2. The fees of students from SAARC Countries will be like those of Indians. For others it will be double.

AWARDS

The following awards (cash prizes and certificates), instituted by the College and Donors, are disbursed every year to the toppers in the college at the University Examinations.

Award	Subject	Award	Subject
Fr. J. Bacchiarello	Khasi	Fr. I. Ricaldone	Economics
Fr. D. Wollaston	Political Science	Fr. J. Arokiaswamy	Mass Communication
Fr. N. J. Kenny	History	Prof. S. N. Paul	Chemistry
Prof. A.G. Varghese	English	Prof. T.C. Dutta	Botany
Prof. S.P. Ghosh	Commerce	Shri. R. N. Bhattacharjee	Zoology
Mrs. C. War & Mr. P. Pakma	Computer Science	Fr. H. Elias	Media Technologies
Archbishop Stephen Ferrando	Geology	Mr. C.K. Chakraborty and Mrs. K. Chakraborty	Philosophy
Fr.C. Vendrame	MCA	Archbischop T. Resto Phanrang	Business Administration
Bishop M. Kochuparambil	M.Sc. Biotechnology	Archbishop Hubert D'Ro-sario	Highest Marks in the College
Dr. Ïaibadaiahun Nongrum	Biotechnology		
College Awards are given to the remaning subjects.			

FACILITIES

1. LIBRARY

The College maintains a well-stocked, computerised library, containing different sections devoted to each subject. The college also subscribes to a number of journals in various subjects. The library has a reference section, which houses the journals, encyclopaedias, past question papers of the university and other books which are available only for reference purposes. The reading room attached to the library subscribes to journals, magazines and newspapers, both regional and national and also international. The library also houses the Internet facility over a number of net-worked computers which is available to the students for research purposes all through library hours. Students are encouraged to augment classroom learning by using the knowledge-based available over the internet. On all working days the College Library will remain opened from **8.30 a.m. to 7.00 p.m**. Students are requested to take advantage of the facilities.

RFID Technology: The transaction work in the library is being done by using the Radio Frequency Identification (RFID) technology which is of late the latest technology used in library.

The college subscribes to many popular e-Journals like :
- ➢ IEEE xplore
- ➢ INFLIBNET
- ➢ DeLCON, etc.

Library also provides additional services like:
- ➢ Printouts/Scanning
- ➢ Photocopying

2. HOSTEL

Stephen Hall with a capacity of 200+ seats is the hostel for boys. Mamma Margaret Hall with a capacity of 100+ seats is the hostel for girls. Applications for the hostel accommodations are to be made to the Warden of the respective hostels. A keen sense of discipline, a more-than-average capacity for sustained study and a sincere readiness to live as brothers/sisters with members of other communities are necessary conditions to get a seat in the hostel and retain it.

3. JOURNAL ACCESS

St. Anthony's College has been inducted as a new member of the DBT E-Journal Consortium (DeLCON). Access has been provided to Journals of prestigious publishing groups like Science Direct, Nature Publishing Group, Oxford Journals and Wiley - Blackwell. This facility has been launched under the initiative of the Department of

Biotechnology, Ministry of Science and Technology, Government of India and is coordinated by Biotech Consortium India Limited (BCIL). The College subscribes to IEEE All Society Periodicals Package (ASPP) journals, allowing IP-based access of online computer related journals to faculty and students throughout the year. The College also has access to Inflibnet Journals.

4. IEEE STUDENT BRANCH

Founded in 2012, IEEE student branch of St. Anthony's College, Shillong is a student-run organisation which promotes the interests of technology in and off campus. It includes IEEE Student Members, under the guidance of IEEE faculty members to attain excellence in technical education by encouraging them to participate in inter-intra college activities and in community outreach. It also aims to provide a platform to excel the calibre and skills of students so that they stand fit to the employment market of the day.

5. ORIENTATION PROGRAMME

The Orientation Programme organised at the beginning of each academic year by the SDS for the students of the college has the purpose of fostering personal growth, interpersonal relationship and principles of value-based life style in an atmosphere of friendship and informality. The programme helps the students to meet their companions in a non-academic atmosphere and sow the seeds of mutual understanding and friendship among them. This is essential, considering the multi-ethnic make up of the students of the college.

6. SILOAM

Siloam is the centre of the outreach programmes of *St. Anthony's College.* It is a centre which focuses on psy-

chological, spiritual and developmental issues of students, youth, couples, families as well as professionals involved in various leadership roles towards renewal and re-orientation. Besides, the centre envisages intervention in educational testing and evaluation, aptitude tests, promotion of self-confidence and self-esteem, personal and interpersonal communication skills, education to peace and cultural integration. Situated on an idyllic hillside on the shores of the Umiam lake, Siloam is an ideal situation for the outreach programmes which aim at the holistic development of the human being – which, in the final analysis, is education.

Director   :   Fr. George Palamattam sdb, Ph.D
               :   + 91 94361-10438

FEE REFUND POLICY

Fee refund will be applicable if admission is withdrawn before 27th July 2019, after deduction of processing fee of ₹ 3,000.

ADMIT CARDS

Those who submit the filled in application forms in the college office will be given the admit card(s) immediately. Those who submit them by mail will be given the admit cards(s) on the day of the tests - one hour before the commencement of the test. However, such candidates can confirm about the receipt of their application form through email – helpline@anthonys.ac.in.

ATTENDANCE

Attendance is compulsory. A student absenting himself/herself from one or more classes will lose the day's attendance. Students having less than 75 % attendance are liable to be debarred from Examinations. Any student who is absent for one month will have his/her name removed from the College Registers. Admission Fees will have to be paid anew if the student is allowed to join back.

ASSESSMENT OF STUDENTS

Continuous assessment of the students is done by the college through regular tests, projects and assignments. The assessment of the P.G. students is done as per guidelines of the North Eastern Hill University. The internal assessment is 25 %. The students need to qualify the internal assessment to be eligible to sit for the University Examinations.
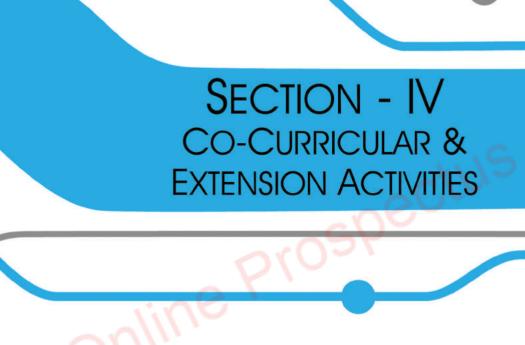
COLLEGE COUNSELLING CELL

The college has a qualified full time personal counsellor available for the students. All are encouraged to avail the counselling facility and the chamber of the full time counsellor is on the second floor of the main building of the college.

In addition to the full time counsellor, additional counsellors are available in the college on every Tuesday and Thursday post noon in the *Alumni Office* (Media-IT Annexe).

College Counsellor   :   Smt. Arlene Kharnongrum

Fr. George Palamattam sdb, PhD (Available on Thursdays)

SECTION - IV
CO-CURRICULAR & EXTENSION ACTIVITIES

CYBER CLUB

The Computer Science students of St. Anthony's College have formed a Club called **Cyber Club**. The club came into existence in 1996. The members see themselves as a leaven in the College and around for bringing computer literacy to the less privileged, while at the same time enhancing their own skills. They organise seminars, debates, quizzes and reach out programmes in various rural areas. The motto "**Learn, Teach, Serve**" emphasises the very philosophy of the club : To become personally proficient inorder to be of service to others.

NSS

The National Service Scheme is a voluntary organisation of College Students under the Union Ministry of Human Resource Development established during 1969-70 to inculcate social consciousness and a sense of responsibility, discipline and dignity of labour among the youth. The College Unit of the NSS is vibrant with activities and takes up a number of adult education and health-education programmes each year under the guidance of the Project Officers Shri R.S. Wankhar, Smt C. Saiborne, Shri W. Khongsngi.

NCC

NCC (National Cadet Corps) is a national organisation which has helped in inculcating in the cadets a spirit of courage, confidence, self-reliance, selfless service, a feeling of patriotism, faith in oneself, power of thought and adjustment which are essential to make the youth disciplined and dutiful. St. Anthony's College is attached to the 41 Meghalaya Artillery Battery NCC and 61 Meghalaya Girls' Bn NCC for NCC activities under the leadership of Shri G. S. Swett for Boys and Smt A. S. Malngiang for Girls.

SPORTS

Sports, both outdoor and indoor, play a very important role in the life of *St. Anthony's College*. Every Anthonian is encouraged to take an active part in the sports activities of the College. Within the campus itself, there are two Basketball courts, two Volleyball courts, a Badminton Court and a Tennis court. It also has access to the mini stadium at the old campus of the College for Football. Apart from this, facilities for almost every indoor game is provided within the college itself. The College Week is a special time when every form of sports activity takes the front seat.

CLUBS AND GROUP ACTIVITIES

The college encourages the formation of student clubs under the guidance of the teaching staff. The clubs functioning in the college – the Environmental Club under the Department of Botany, the Photography Club under the Department of Mass Communication, the Cyber Club under the Department of Computer Science, the Literary Club of the Department of English, the Anthonian Youth Club of the College Students are doing a splendid job. The Botanical Garden of the College, maintained by the Department of Botany is the storehouse of a variety of rare species of plants.

A Software Development Cell has been functioning in the College for the past several years having to its credit several original software packages that have been developed and implemented in a number of institutions. The tissue culture enthusiasts in the Department of Biotechnology have had considerable success in the mass multiplication and propagation of ornamental plants. Further, groups of students are actively involved in science projects sponsored by the Department of Science & Technology (Government of Meghalaya) and research projects undertaken by the Staff sponsored by a variety of Central Government agencies Tissue culture in orchids (Department of Botany) - DBT, Induced Breeding of Fish (Department of Fishery Science) - DST, Pesticides & Insecticides (Department of Chemistry) - ICAR - NATP - CGP - II, UGC.

SDS

The SDS (Student Development Services), an innovative initiative of St. Anthony's College, was set up in 1995 under a project sponsored by the All India Association for Christian Higher Education. The SDS Cell provides personal, educational and vocational guidance for the overall balanced development of the students. It also imparts education to prevent and eradicate menaces like alcoholism, drug abuse and AIDS and conscientizes students on these high-risk areas that threaten society and initiates preventive measures against them. The SDS also conducts Coaching Programmes for various competitive examinations, workshops on Communication Skills and Education for Life. Campus Interviews and placement services are organised by the Cell throughout the year.

Co-ordinator	:	Shri Aibankit L Warjri
Associate Counsellor	:	Shri D. Marbaniang
Placement Co-ordinator	:	Dr. Amrita Acharya
Communication Skills Trainer	:	Magdalene Pyngrope

CAMPUS RECRUITMENT

The College has a Placement Cell with a full-time Placement Co-ordinator, Dr. Amrita Acharya. This cell which is part of the Student Development Services has been successful in bringing recruiters to the College campus. Many of our graduates and post graduates have got placements in well known companies and institutes. Some of the prominent ones are listed below:

From 2014 - 2020 TCS (Techno.), TCS BPS, Infosys, Wipro Tech., Wipro WISE, UNISYS, Low Lintas are few of the top companies that were in campus for recruitment. Number of Students of M. Sc. Biotechnology, MCA and PGDCA have been selected to these multinational companies.

GENERAL NORMS

1. Though a dress code in the form of a standard uniform is not required, there prevails a **COMMON MINIMUM DRESS CODE**. Students are required to comply with it.

2. **SMOKING** and **DRUGS** are strictly forbidden in the College Campus. The entire campus is a smoke-free zone.

3. **COMMUNAL HARMONY** is to be preserved and fostered by word and deed.

4. The College is **PLASTIC FREE ZONE**. All are exhorted to use alternative means for carrying stationery, etc.

5. Students wishing to take a **TRANSFER CERTIFICATE** during the year have to clear all the College dues up to the end of the current academic year.

6. Each student must have a **COLLEGE IDENTITY CARD** and a **FEE BOOK**. The Identity Card is to be brought to the College everyday, and is to be produced when asked for.

7. All terms and conditions set forth in this Prospectus, including fees and dues, etc., are liable to be revised whenever necessary.

8. **STUDENTS** who are admitted to the college having signed the application form are bound by the norms of the college specified in the College Prospectus and the College Handbook.

9. The use of **MOBILE PHONES IS NOT ALLOWED** in the College Campus.

PLEASE NOTE

WE DO NOT ACCEPT DONATION in whatsoever form. Please inform if there is any such approach for soliciting favour at any level at the time of the Entrance Test or Admission.

RAGGING is a punishable crime. There should not be any form of ragging or intimidation of any sort. If anyone is found guilty of such acts he/she will be expelled forthwith.

DEPARTMENTS PROFILE

The Three Year MCA course aims to prepare students for the growing IT industry. The course provides necessary theoritical foundation and the skills required for the software industry, paving the way for self-employment. The core focus is on Application programming, System Level programming, Network and Internet Technologies that are current trends in the field.

Career Options

Programmers
Network Administrators
Database Administrators
Faculty in Colleges and Universities

Further Studies

Research in emerging trends of Computer Science

MCA

MSc BIOTECH

The Department of Biotechnology offers a Two Year programme leading to a Master's degree in Biotechnology. The course covers areas like Molecular Biology, Immunology, Microbial Technology, Bio-informatics, Generic Engineering, Plant Biotechnology, Applied Molecular Genetics, Animal Cell Science, Enzymology, Bioprocess Engineering and Environmental Biotechnology. The course also includes a project based dissertation involving actual bench work starting in the third semester and concluding in the fourth semester. Besides, a visit to research institutions or industries followed by the preparation of a report is included in the fourth semester.

Career Options

Environmental Biotechnology
Forensic Science, Fermentation Biotechnology
Pharmaceuticals,
Allied Health Sciences,
many others...

Further Studies

Research in Medicine, Stem Cell, Agriculture, Dairy, Floriculture, etc.

Come... Grow with us

DEPARTMENTS PROFILE

MA Education

Leading in the field of Education the Department offers a Two Year programme leading to a Master's degree in Education. The course covers areas like Philosophical Foundations of Education, Advanced Educational Psychology, Educational Management and Change, Curriculum Development and Instruction, Sociology of Education, Educational Testing and Evaluation, Information and Communication Technology (ICT) in Education, Comparative Education, Early Childhood Education, Inclusive Education, Education in Political Perspective, Laboratory Practical, Higher Education in India, Guidance and Counselling, etc.

Career Options

Faculty in Colleges & Universities
Private Tutor
Education Consultant
Education Counsellor
Program Manager
Public Relations Officer
Training Manager
Academic Advisor, etc.

MA Pol Sc.

he Department of Political Science offers a Two Year programme leading to a Master's degree in Political Science. The course covers areas like Liberal Political Theory, Theory of International Politics, Major Concepts and Issues in Public Administration, Indian Political System, State Politics in India with Spl.Ref. to N.E.India (I), Marxist Political Theory, Problems of International Politics, Democracy in India, Contemporary Political Theory, Research, International Law & International Organisation, Globalisation, Women & Political Theory, Major Debates in Political Theory, Comparative Politics, Political Ideology, Indian Political Economy, Human Rights, etc.

Career Options

Faculty in Colleges & Universities
Government Agencies
Public Relations Departments
Diplomacy
Public Policy Organisations
Embassies
Intelligence Wings
Politics
Public Opinion Analyst
Legislative Analyst
Political scientist
Political Commentator, etc.

Come... Grow with us

DEPARTMENTS PROFILE

This one year Diploma course prepares graduates for the immediate employment opportunities. The focus is to give the candidate an edge in the current trends of IT, thus preparing them to the job market.

Career Options

Programmers
Computer Instructors
Data Administrators
Network Managers
Banking
Finance sector
Insurance sector

PGDCA

CCNA

This is an Internationally Certified course by CISCO that equips one with Setting up, Managing and Administering a Network.

The course is employment oriented and gives a recognition that is globally accepted. Installing, configuring and managing of LAN, SWAN and Internet are part of the course curriculum.

Career Options

Network Administrators
System Administrators
Programmers
LAN Supervisors
Data Centre Managers
Technicians
Network Instructors

Come... Grow with us

DEPARTMENTS PROFILE

SAP is a leading Enterprise Resource Planning (ERP) systems integrate internal and external management information across an entire organizations.

Career Options

In-depth Knowledge of Enterprise Resource Planning (ERP) which will help them in all kinds of jobs.
In-depth knowledge of Business Processes and Business Functions.- will help them to relate their jobs better.
Understanding of SAP Functions (SAP 01) and Global Level Certification Program(SAPB1).

SAP

TALLY ERP 9

This is the Complete Business Management solution used for finance and resource management of industries worldwide. Tally ERP is the most widely used accounting package in the country and is gaining momentum worldwide.

Career Options

Skill in computer aided accounting and inventory management

Certification from the best in the Class

Career options as accountant and finance heads Skill in fund flow analysts and project heads

Come... Grow with us

DEPARTMENTS PROFILE

OCA

This International Certification by Oracle is one of the best in the field of Database. The Oracle certification equips one with fundamentals of database management and SQL.

Career Options

Database Administrators
Data Managers
Data Programmers
Back Up and Data
Centre Operators
DBMS and SQL
Instructors

Red Hat

The demand of Open Source and Linux Environment has brought this International Certification from Red Hat available at the college. This prepares one for the best in the Enterprise Version of Linux and its Server Administration.

Career Options

Linux Administrator
LInux Data Centre, Manager
Linux Programmer, Linux Network
Administrator, Instructor in Linux
Systems

Come… Grow with us