



St. Albert's College

AUTONOMOUS
— • —
ERNAKULAM



2023 - 24

Undergraduate Admission **Prospectus**



St. Albert's College

A U T O N O M O U S



0091-484-2394225



<https://www.alberts.edu.in>



admission@alberts.edu.in

Undergraduate Admission Prospectus

2023 – 24



Accredited by NAAC at 'A' Grade (2016)
ISO 9001:2015 Certified by TUV Rheinland



One of the Top Ten Colleges in the World working hard to conserve aquatic endangered species



Selected for FIST program of DST
Star College of Dept. of Biotechnology, Govt of India

St. Albert's College

A U T O N O M O U S

Archdiocese of Verapoly, Banerji Road, Ernakulam, Kochi - 682 018

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A photograph of St. Albert's College (Autonomous) building, a white, multi-story structure with a prominent palm tree in front. The college's name is visible on a sign above the entrance.

About **St. Albert's College (Autonomous)**

St. Albert's College (Autonomous), situated at a premier location in the city of Kochi, and is a first grade Autonomous college affiliated to the Mahatma Gandhi University, Kottayam. It functions under the management of the Archdiocese of Verapoly with a legacy spanning over ten decades in the field of education.

The College is accredited with 'A' grade by NAAC and ISO 9001-2015 certified by TUV Rheinland. The programmes provided by St. Albert's College (Autonomous) imparts knowledge and fosters attitudes essential for the overall development of students, thereby turning them into competent and responsible educated citizens. The programmes have been designed after extensive research and provides students with multiple career opportunities. With 30 under graduate programmes, 16 post graduate programmes and 1 integrated postgraduate programme in Statistics and 7 research centres leading to Ph.D., St. Albert's College (Autonomous) is indeed a front-runner in the field of higher education.

VISION

To be a centre of excellence in all endeavours, focusing on learning outcomes, teaching, research, consultancy, community involvement and nation building.

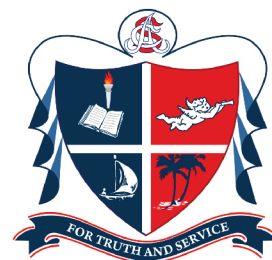
MISSION

Inspired by the Eternal Teacher, Jesus Christ, we strive towards the goal of equipping young people to meet the challenges of the modern times by providing an all-round formation. We exist for our students and provide them with a most friendly innovative and growth-oriented ambience to create knowledge, develop social consciousness and civic responsibilities. We do everything in our capacity to ensure excellent standards that would secure them higher learning, employability, research aptitude, leadership and life skills.

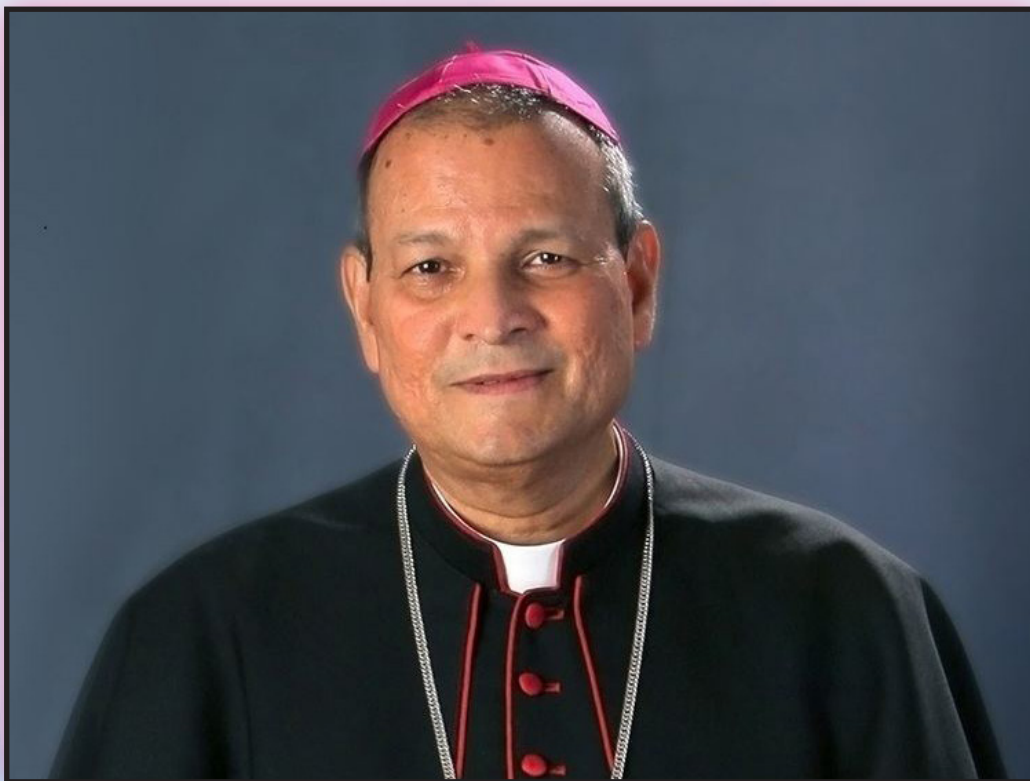
COAT OF ARMS

Our Coat of Arms is in the form of a heraldic shield divided into four

parts by a cross. The left side of the upper half has an open book and a flaming torch. The book signifies the light of truth derived from knowledge. The trumpeting angel on the right side of the upper half symbolizes selfless services like those of a ministering angel. The left side of the lower half has a boat with its sail full blown, moving forward. This represents the launching into the ocean of life, well equipped with knowledge and truth. The coconut palms on the right side of the lower half stand for the motherland that seeks care and affection. The blue and red background of the shield represents the College colours which signify hope and sacrifice. Our motto “FOR TRUTH AND SERVICE” can be seen at the bottom. Our Coat of Arms clearly reflects the moral, material and spiritual objectives cherished by the founder of this College. It exhorts the students to equip their minds with knowledge, to tread steadily along the paths of life, guided by the light of truth, love and service to achieve success in life, and, above all, to be prepared to make any sacrifice that is required of them for a noble and worthy cause. It is the sacred duty of every Albertian to follow the noble ideals that the Alma Mater has set for him/her to emulate and exemplify in his/ her life.



OUR PATRON



His Grace Most Rev. Dr. Joseph Kalathiparambil
Metropolitan Archbishop of Verapoly

Albertian Heritage

St. Albert's College is an Autonomous Institution situated at the heart of the city of Kochi, affiliated to the Mahatma Gandhi University, Kottayam and is functioning under the management of the Archdiocese of Verapoly. The seeds of this portal of higher learning had already been sown when St. Albert's High School commenced its functioning in the year 1892. On August 18, 1898 the school got the recognition of Madras University. This has been a premier centre of learning for the young male children of wider Cochin area from its very inception. The College owes its origin to the foresight and sagacity of its Founder Patron, The Most Rev. Dr. Joseph Attipetty, the first Indian Archbishop of the Archdiocese of Verapoly. His Grace, a noble prelate of rare vision and saintliness, was of the view of promoting higher education among his flock. It was with this vision that His Grace ventured upon the onerous mission of starting a College. The laboriousness of this colossal project, however, was shared by the selfless and devoted service of the Rt. Rev. Msgr. Alexander Lenthaparambil, the then Vicar General of the Archdiocese. Also in the forefront was the Very Rev. Msgr. Joseph Vaipicherry, who took charge as the Manager of both the High School and the College and also the Secretary to the College Governing Body.

The mission was accomplished in 1946 when the University of Madras upgraded St. Albert's High School, Ernakulam to a second grade College. The College began to function on 16 July 1946 in the old High School building with 150 students in the Intermediate Class. Degree courses were introduced in 1947. Subsequently classes were shifted to the new building just opposite to the old school building in 1951. In 1958, when the Kerala University Act came into force, the affiliation was shifted to the Kerala University. In 1983 when the Mahatma Gandhi University was established, the College became affiliated to the Mahatma Gandhi University. Throughout its history, the College has enjoyed the vision and the benevolent services of many great men of God. The Most Rev. Dr. Joseph Kelanthara, who succeeded the Most Rev. Dr. Joseph Attipetty, and the Most Rev. Dr. Cornelius Elenjikal, who then followed, spared no pains and efforts in maintaining the noble vision of their predecessors.

The contributions made by the Rt. Rev. Msgr. Emmanuel Lopez and the late Auxiliary Bishop the Rt. Rev. Dr. Antony Thannikot have helped the College in upholding the higher ideals of education. The College celebrated its Golden Jubilee in 1996–97 and there began a new era of job oriented courses. During the time of the Most Rev. Dr. Daniel Acharuparambil, who was a visionary and philosopher, the college reached new heights in academic excellence. In 2009, the college was awarded 'A' grade by NAAC. In 2016 NAAC reaccredited the College at 'A' grade for the 2nd time, during the time of Most Rev. Dr. Francis Kallarackal, the former patron.

In 2016 March, University Grants Commission granted Autonomous status to the College. In 2017, the college was recertified for ISO 9001: 2015 by TUV Rheinland. The College has also been selected under FIST scheme of DST and Star college programme of DBT. Today, with 30 Under Graduate Programmes, 16 Postgraduate Programmes including Master's Programmes in Space Science and Technology, Business Administration, Social Work, 1 integrated Post graduate Programme in statistics and 7 Research Centres leading to Ph.D., St. Albert's College (Autonomous) is indeed a front-runner in the field of higher education. Under the benevolent patronage of the Most Rev. Dr. Joseph Kalathiparambil, Metropolitan Archbishop of Verapoly, the College is marching ahead to higher echelons in the field of higher education.

UNDERGRADUATE PROGRAMMES

Arts

1. BA Economics
 2. BA English
 3. BA English Triple Main – Literature, Communication and Journalism (SF) (AN)
 4. B Voc Journalism and Mass Communication (SF) (AN)
-

Commerce

5. B Com Finance and Taxation
 6. B Com Finance and Taxation (2 batches) (SF) (AN & FN)
 7. B Com Computer Applications (SF)
 8. B Com Cooperation (SF) (AN)
 9. B Voc Professional Accounting and Taxation (SF) (AN)
-

Management

10. BBA (SF)
 11. BBM (SF) (AN)
 12. B Voc Logistics Management (SF)
 13. B Voc Retail Management (SF) (AN)
 14. B Voc Travel and Tourism (SF) (AN)
-

Professional

15. B Voc Medical and Psychiatric Social Work (SF) (AN)
 16. B Voc Fitness Management and Personal Training (SF) (AN) (Albertian Sports Campus, Kaloor)
 17. B Voc Sports Nutrition and Physiotherapy (SF) (AN)
-

Science

18. B Sc Aquaculture
 19. B Sc Industrial Fisheries (SF)
 20. B Voc Commercial Aquaculture (SF) (AN)
 21. B Voc Fish Post Harvest Technology and Management (SF) (AN)
 22. B Sc Botany
 23. B Sc Zoology
 24. B Sc Chemistry
 25. B Sc Industrial Chemistry
 26. B Sc Mathematics
 27. Integrated Programme in Basic Sciences – Statistics (5 years) (AN)
 28. B Sc Physics
 29. B Voc Renewable Energy (SF)
-

Computer Science and IT

30. B Sc Computer Science (SF)
31. B Voc Software Development(SF) (AN)

SANCTIONED STRENGTH OF UNDER GRADUATE PROGRAMMES

No	Name of the Under Graduate Programme	Sanctioned strength
1	B.A. Economics	60
2	B.A. English	24
3	B.A. English Literature, Communication and Journalism (Triple Main) (SF)*	30
4	B.Com. Finance and Taxation	50
5	B.Com. Finance and Taxation (SF - FN)	60
6	B.Com. Finance and Taxation (SF)*	40
7	B.Com. Computer Applications (SF)	60
8	B.Com. Co-operation (SF)*	40
9	B.B.A (SF)	50
10	B.B.M. (SF)*	30
11	B.Sc. Physics	48
12	B.Sc. Chemistry	48
13	B.Sc. Industrial Chemistry	24
14	B.Sc. Mathematics	32
15	B.Sc. Botany	36
16	B.Sc. Zoology	36
17	B.Sc. Industrial Fisheries (SF)	48
18	B.Sc. Aquaculture	24
19	B.Sc. Computer Science (SF)	50
20	B.Voc. Logistics Management (SF)	50
21	B.Voc. Renewable Energy (SF)	50
22	B.Voc. Retail Management (SF)*	50
23	B.Voc. Travel and Tourism (SF)*	50
24	B.Voc. Fitness Management and Personal Training (SF)**	50
25	B.Voc. Professional Accounting and Taxation (SF)*	50
26	B.Voc. Commercial Aquaculture (SF)*	50
27	B.Voc. Software Development (SF)*	50
28	B.Voc. Fish Post Harvest Technology and Management (SF)*	50
29	B.Voc. Journalism and Mass Communication (SF)*	50
30	B.Voc. Medical and Psychiatric Social Work (SF)*	50
31	B.Voc. Sports Nutrition and Physiotherapy (SF)*	50
32	Integrated M.Sc. in Basic Sciences – Statistics*	15

(SF) – Self-Financing Courses

Morning Session – Class timings will be from 8:00 am to 1:30 pm

***Class timings will be from 1:45 pm to 5:45 pm and on Saturdays 1:00 pm to 6:00 pm**

****Class timings will be from 2:00 pm to 6:00 pm and on Saturdays 1:00 pm to 6:00 pm. Venue is in the Albertian Sports Campus, Kaloor.**



DEPARTMENT OF FISHERIES AND AQUACULTURE

Undergraduate Degree Programmes

- ❖ B.Sc. Aquaculture (SF)
- ❖ B.Sc. Industrial Fisheries (SF)
- ❖ B.Voc. Commercial Aquaculture (Aided)
- ❖ B.Voc. Fish Post Harvest Technology & Management (SF)

Postgraduate Programme

M.Sc. Applied Fisheries and Aquaculture (SF)

Ph.D

Ocean Science and Technology

Certificate Courses

- ❖ Aquarium Keeping and Ornamental Fish Rearing
- ❖ Aquaponics, Recirculatory Aquaculture Systems

Contact

aquaculture@alberts.edu.in

The Research Department of Fisheries and Aquaculture, established in 1995, offers four U.G. Programmes B.Sc. Aquaculture, B.Sc. Industrial Fisheries, B.Voc. Commercial Aquaculture and B.Voc. Fish Post Harvest Technology and Management and one PG Programme, M.Sc. Applied Fisheries and Aquaculture, in addition to research leading to PhD in Ocean Science and Technology. The Department strives to provide quality education at par with international standards aiming towards healthy development. At the same time, the Department is committed to the society at large to popularize the concepts of responsible Fisheries and sustainable good Aquaculture practices.

VISION

To transform the Department into a Knowledge Centre of International acclaim in Fisheries and Aquaculture, through conscious efforts, focusing on research and extension, adopting a multi-disciplinary and collaborative approach

MISSION

To provide Education, Research and Outreach needed by the Society for the conservation of fishery resources and ecosystem restoration

Milestones

- BSc. Aquaculture first started as an affiliated course in the year 1995.
- The B.Sc. Industrial Fish and Fisheries commenced in the year 1996.
- In 1996 purchased own Fish Farm (1ha) for demonstrating pond management studies, culture of fishes and shrimps at Pizhala, Kadamakkudy.
- The Post Graduate course in M.Sc. Applied Fisheries and Aquaculture started in the year 2002. In 2004 one of the most unique research group of the college the "Conservation Research Group (CRG)" started in the department.
- In 2012, the department was also one among five science departments in the college to be awarded financial support under the DBT Star College Scheme, Govt. of India.
- In September 2012, St.Albert's College, Kochi was selected as among 10 Best Colleges in the World working to conserve endangered species as a recognition of the contributions of the Conservation Research Group.
- In 2016, Entrepreneurship Skill Development Center installed for breeding and rearing of aquarium fishes and plants.
- In January 2016, the Department was recognized as Research Center by the Mahatma Gandhi University and

became the first to be recognized as a Research Center under the University in the field of Fisheries Science.

- In 2019, the Department was recognized as Research Center of Kerala University of Fisheries and Ocean Studies (KUFOS).
- The two B.Voc. Degree Programmes (University Grants Commission approved) on Commercial Aquaculture and Post Harvest Technology and Management started in the year 2020.
- In 2022, purchased another Fish Farm (10 acre) for demonstrating pond management studies, culture of fishes and shrimps at Perumpilly, Vypin.

Why B.Sc. Aquaculture @Albert's?

The Programme is designed to develop skilled aquaculture technicians with a broad background in the practical and academic skills of finfish and shellfish biology, fish and shrimp pond management, water and soil quality management, finfish, shellfish and invertebrate culture, environmental impact assessment, habitat and stock monitoring, wild stock management, aquaculture business management and planning. The area is famous for its accessibility to shrimp and finfish farms, fish processing industries, Central and State Government Fisheries institutions and research centres, which enhance the credibility of the Programme as well as expand the opportunities of the graduates.

First Semester

- Fine Tune Your English
- Biology of Fishes
- Finfish and Shellfish Taxonomy
- Freshwater Aquaculture
- Taxonomy, Fishery Biology & Freshwater Aquaculture
- Elementary Biochemistry
- Non-chordate Diversity

Second Semester

- Issues That Matter
- Aquatic Ecology
- Fishing Technology
- Brackish Water Aquaculture and Mariculture
- Aquatic Ecology, Fishing Technology,
- Biomolecules
- Chordate Diversity

Third Semester

- Inland and Marine Fisheries
- Biostatistics and Computer Applications
- Aquaculture Nutrition
- Aquaculture, Biostatistics and Computer Applications
- Freshwater Hatchery Training
- Enzymology & Metabolism
- Human Physiology & Immunology

Fourth Semester

- Genetics and Biotechnology
- Pathology in Aquaculture
- Aquaculture
- Breeding and Rearing of Aquarium Fishes - Fish Breeding Project
- Nutritional & Clinical Biochemistry
- Applied Zoology

Fifth Semester

- Inland and Marine Fisheries
- Biostatistics and Computer Applications
- Aquaculture Nutrition
- Aquaculture, Biostatistics and Computer Applications
- Freshwater Hatchery Training

Sixth Semester

- Aquaculture Management
- Aquaculture Engineering
- Fisheries Economics and Extension
- Fish Processing Technology and Quality Control
- Water and Soil Quality Parameters
- Project Work

Why B.Sc. Industrial Fisheries @Albert's?

The Programme is designed to impart practical and academic skills in finfish and shellfish biology, fish and shrimp pond management, water and soil quality management, finfish, shellfish, and invertebrate culture, environmental impact assessment, habitat, and stock monitoring, wild stock management, fisheries business management, and planning. The syllabus of the Programme is well structured, which will make the students versatile and enable them to rightly fit into different job sectors like ornamental fisheries, processing sector, fish capture industry, culture sector, or the field of research & development. The region is well known for the prosperous fish processing establishments, Central and State government fishery institutions, fishing harbors, and associated small and large scale industries.

First Semester

- Fine Tune Your English
- Biology of Fishes
- Finfish and Shellfish Taxonomy
- Freshwater Aquaculture
- Taxonomy, Fishery Biology & Freshwater Aquaculture (P)
- Elementary Biochemistry
- Non-chordate Diversity

Second Semester

- Issues That Matter
- Aquatic Ecology
- Fishing Technology
- Brackishwater Aquaculture and Mariculture
- Aquatic Ecology, Fishing Technology, Brackishwater Aquaculture and Mariculture (P)
- Biomolecules
- Chordate Diversity

Third Semester

- Inland and Marine Fisheries
- Biostatistics and Computer Applications
- Aquaculture Nutrition
- Biostatistics and Computer Applications
- Freshwater Hatchery Training
- Enzymology & Metabolism
- Human Physiology & Immunology

Fourth Semester

- Genetics and Biotechnology
- Pathology in Aquaculture
- Aquariculture
- Breeding and Rearing of Aquarium Fishes
- Fish Breeding Project
- Nutritional & Clinical Biochemistry
- Applied Zoology

Fifth Semester

- Larval Nutrition and Culture of Fish Food Organisms
- Fishery Microbiology
- Fishery Microbiology and Pathology
- Aquafarm Management
- Value Added Fishery Products
- On Job Training

Sixth Semester

- Fisheries Management
- Fish Processing Technology and Quality Control
- Fishery Economics and Marketing
- Fishery By Products
- Fish Processing Technology and Quality Control
- Water and Soil Quality Parameters
- Project Work
- Study Tour

Why B. Voc. Commercial Aquaculture @Albert's?

The Programme is designed to develop entrepreneurially oriented aquaculture graduates with an in depth expertise in the pragmatic and academic skills related to aquatic ecology and fishery biology, freshwater aquaculture, brackish water aquaculture, mariculture, culture of ornamental fishes, technological aspects of fish capture, hatchery technology, aquaculture nutrition, soil and water quality management, microbiology and fish pathology, processing technology and value addition, aquaculture engineering and biotechnology, aquaculture entrepreneurship and development planning.

First Semester

- Basic English Skills for Business
- Introductory Environmental Studies
- Chemical Interactions in the Aquatic Environment
- Principles of Aquaculture and Hatchery Technology
- Biology of Fishes
- Principles of Aquaculture, Ecology, and Biology of Fishes

Second Semester

- Advanced English Skills for Business
- Inland and Marine Fisheries
- Fishing Methods
- Freshwater and Brackish water Aquaculture
- Fishing Methods and Hatchery Technology

Third Semester

- Research Methodology
- Environmental Science and Human Rights
- Sustainable Aquaculture
- Biostatistics and Computer Application
- Aquaculture Nutrition
- Biostatistics, Aquaculture Nutrition and Soil, and Water Quality

Fourth Semester

- Oceanography
- Aquaculture Biotechnology
- Fish Preservation and Processing Technology
- Ornamental Fish Culture
- Fish Processing and Ornamental Fish Culture

Fifth Semester

- Business Entrepreneurship
- Aquaculture Development Planning and Management
- Mariculture
- Value Added Fishery Products
- Microbiology and Health Management
- Value Addition, Microbiology and Pathology

Sixth Semester

- Corporate Readiness Program
- Marketing Management
- Aquaculture Engineering
- Fisheries Governance and Socio-economics
- Aquaculture Engineering and Fisheries Governance and Socio-economics

Why B. Voc. Fish Post Harvest Technology & Management @Albert's?

The success of a professional course lies in its capacity to create capable and adept individuals to serve and contribute to their mother industry. Having continuously served society for the past few decades, the Research Department of Fisheries and Aquaculture has never failed to stay fresh and progressive with constant re-modelling and is well aware of the urgent needs of various industries. B.Voc. Fish Post Harvest Technology and Management is a purely industry-oriented Programme. Being the fisheries hub, Kochi has a wide array of facilities and possibilities for fisheries graduates. The Programme ensures maximum utilization of all those facilities leading to enormous possibilities and opportunities.

First Semester

- Basic English Skills for Business
- Introductory Environmental Studies
- Finfish and Shellfish Resources of India
- Technology of Fish Freezing and Frozen Storage
- Thermal Processing in Fishery Products
- Fish Freezing & Thermal Processing

Second Semester

- Advanced English Skills for Business
- Fundamentals of Microbiology
- Cured, Dehydrated, and Smoked Fishery Products
- The technology of Mince-based Fish Products
- Cured, Dried, and Mince-based Fish Products

Third Semester

- Research Methodology
- Environmental Science
- Additives in Fish Processing
- Biostatistics & Computer Applications
- Packing, Labelling, Storage and Transportation of Fish and Fishery Products
- Biostatistics and Computer Applications

Fourth Semester

- Export and Import Management
- Project Formulation and Management
- Design, Maintenance of Fish Processing Plants and Instrumentation
- Fishery By-products and Utilization of Fishery Waste
- Processing Plants and Fishery By-products

Fifth Semester

- Fisheries Administration and Entrepreneurship Development
- Fisheries Governance and Socio-economics
- Economics and Marketing in Seafood Trade
- Planning and Management of Fisheries Development Programmes
- Post-Harvest Handling of Fish & Quality Management Systems
- Planning and Management of Fisheries, Post-Harvest Handling and Quality Management

Sixth Semester

- Corporate Readiness Program
- Fisheries Marketing Management
- Quality Control, Inspection, and Certification in Seafood
- Fishery By-Products, Specialty Products, and Value Added Products
- Fishery By-Products, Specialty Products, and Value Added Products

Highlights of the Department

- Research activities in the department focus on fisheries and aquaculture related aquatic science research.
- Internationally well known 'Conservation Research Group' (CRG) in the department is committed to the conservation and sustainable use of biodiversity, and it was ranked as one of the top 10 colleges in the world working to save endangered species.
- Among the 20 faculty members in the department, 12 have Ph.D degrees.
- Own fish farms at Pizhala (1 hectare) and Perumpilly (10 acre)
- Full-fledged Fish Hatchery and Wet lab, Fish Biology lab, Microbiology lab, Fish Processing lab and Biochemistry Lab. In addition to that, the department is connected with centralized instrumentation lab with thermal cycler, gel documentation system, HPLC, gas chromatography, refrigerated centrifuges, high precision rotary and sledge microtomes (Leitz, Germany), research microscopes with photography attachment, rotary evaporator, UV Spectrometer, etc.
- Recognized Research Department of Mahatma Gandhi University (2016)
- Annually organising the Harvest and Food Festivals
- Regularly participating in the Aqua-shows
- Functioning Entrepreneurship Skill Development Centre(ESDC) since 2013
- Recognized Research Centre of Kerala University of Fisheries and Ocean Studies (KUFOS) (2019)
- Functioning SCUBA diving club and Sea club
- Associating Vembanad Fish Count program
- Organising seminars and conferences in connection with international days
- Collaboration (MoU signed) with CIFT, NIFPHATT, CIAL, MES College, Food Safety Solutions International, REEF, AquaLeo, Indocert etc.
- Museum with indigenous fish and shellfish collections.
- Regularly organizing career guidance, Special coaching for higher studies in India & Abroad.
- Need based training for student entrepreneurs
- Organizing social outreach programs and extension activities
- Well designed curriculum inclusion of study Tour (IV), Field trips, OJT, Industrial visit, Farm visit, Hatchery visit etc.
- Several students now occupy key positions in governments, international organizations, universities, and research centers around the globe.

Collaborations



Government of India
NIFPHATT
 NATIONAL INSTITUTE OF FISHERIES POST HARVEST TECHNOLOGY AND TRAINING
 Department of Fisheries
 Ministry of Fisheries, Animal Husbandry and Dairying



Research and
 Environmental
 Education
 Foundation



- Research and Environmental Education Foundation
- Aqua Leo PADI Diving Centre
- INDOCERT Food Safety Training Programmes, Kuttamassery
- Food Safety Solutions International, Cochin
- MES Ponnani College, Ponnani
- NIFPHATT, Cochin
- CIAL, Cochin
- NETFISH, MPEDA
- SCUBA COCHIN
- NIFPHATT, Cochin
- ICAR-CIFT, Cochin
- Navadarsan (Education agency, Ernakulam)

Students Support

- Research institute visit : CMFRI, CIFT, CUSAT, NIFPHATT, CIFTNET, NIO, KUFOS, etc.
- Hatchery visit
- Farm visit
- Harbour visit
- Boat building yard visit
- On the Job Training in NIFPHATT and various fish processing export companies
- Students exhibition
- Fish/Shrimp farm seeding activity
- Study tour





Placement

- Education abroad – Canada, New Zealand, Australia, UK etc.
- Students can go for SCUBA Diving Training – Padi certificate
- Students receive higher education at state and national universities and institutions
- Placement abroad
- Students get employment in central and state fisheries firms
- Get placement in fish processing companies, hatcheries and fishery related companies within and outside Kerala





DEPARTMENT OF BOTANY

Undergraduate Degree Programme

B.Sc Botany

Postgraduate Programme

M.Sc Botany
(Biotechnology as elective)

PhD.

Certificate Courses

Herbarium Preparation and Management

Contact

botany@alberts.edu.in

The Department of Botany, one among the oldest Departments of the College, came into existence in 1947. It has been continuously striving to achieve a high level of excellence, in the field of education, research and outreach with a focus on plants and their environments. The Department has been on the path of progress with definite route maps to reach the zenith of its glory of service to mankind in the days ahead.

Milestones

- » Undergraduate programme in 1947
- » Post graduate programme in Botany in 1964
- » Research centre in 2007
- » Certificate programme in Herbarium Preparation and Management in 2021

VISION

Leadership in Quality Science Education, Research & Innovation, through Teamwork, with a focus on basic scientific research and development. Department of Botany, St Albert's College, Ernakulam, has a mission to achieve a high level of excellence, in research as well as post-graduate education, without sacrificing the leading position established by the Department, in the field of education and outreach, on the patterns and processes of life, with a focus on plants and their environments.

MISSION

To develop the Department as a leading centre of Plant Sciences in the Country.

Why Botany @ Albert's?

Department of Botany has a legacy of 75 years. Majority of the faculty members are Ph.D holders with diverse research aptitude in basic as well as advanced areas of Botany. The smart classrooms ensure enhanced learning experience and provide easy access to online resources in the classrooms itself. Close association with Encon club and Nature club ensures direct acquaintance with nature. The tailor-made syllabus, guaranteed by the autonomous status of the college, enriched with the latest developments in biological sciences equips the students to pursue their careers with confidence.

Programme Structure

First Semester

- Pearls from the Deep
- Fine Tune Your English
- Malayalam/ Hindi/ French
- Methodology Of Science and An Introduction To Botany
- Basic Theoretical and Analytical Chemistry
- Non Chordate Diversity

Second Semester

- Issues That Matter
- Savouring the Classics
- Malayalam/ Hindi/ French
- Microbiology, Mycology and Plant Pathology.
- Basic Organic Chemistry
- Chordate Diversity

Third Semester

- Literature and/As Identity
- Malayalam/ Hindi/ French
- Phycology and Bryology
- Inorganic and Organic Chemistry
- Physiology and Immunology

Fourth Semester

- Illuminations
- Malayalam/ Hindi/ French
- Pteridology, Gymnosperms and Paleobotany
- Advanced Bio-Organic Chemistry
- Applied Zoology

Fifth Semester

- Anatomy, Reproductive Botany, Microtechnique
- Research Methodology, Biophysics and Biostatistics
- Plant Physiology and Biochemistry
- Environmental Science and Human Rights
- Open Course

Sixth Semester

- Genetics Plant Breeding and Horticulture
- Cell and Molecular Biology
- Angiosperm Morphology, Taxonomy and Economic Botany
- Biotechnology and Bioinformatics
- Choice based course – Agribusiness
- Project and Viva-Voce

Complementary Programme Botany for B.Sc. Zoology Programme

Semester	Course
Semester 1	Cryptogams, Gymnosperms and Plant Pathology
Semester 2	Plant Physiology
Semester 3	Angiosperm Taxonomy and Economic Botany
Semester 4	Anatomy and Applied Botany

Highlights of the Department

- » Research centre
- » Department and centralized instrumentation lab with Thermal cycler, Gel documentation system, HPLC, Gas Chromatography, Refrigerated centrifuges, High precision rotary and sledge microtomes (Leitz, Germany), Research microscopes with photography attachment, rotary evaporator, UV Spectrophotometer, etc
- » Full-fledged Tissue-culture Lab
- » Online digital herbarium (Regd. to Index Herbarium, USA)
- » Botanical Garden
- » Museum with specimens from all plant groups.
- » Smart classrooms



DEPARTMENT OF CHEMISTRY

Undergraduate Degree Programmes

B. Sc. Chemistry (Model I)

B. Sc. Industrial Chemistry (Model II)

Postgraduate Programme

M. Sc. Chemistry

Ph. D.

Certificate Courses

Water Quality Management
Cosmetics and Sanitary Formulations

Contact

chemistry@alberts.edu.in

The Department of Chemistry, one of the pioneering Departments in the College, came into existence in 1947, the year in which the College started functioning. Over the years the Department became a post graduate Department and a Research Centre. The Department continues its journey to excellence upholding academic values and social commitments.

Milestones

- Established in 1947 with the inception of the three-year degree course.
- Became a Post Graduate Department in 1982.
- Approved by Mahatma Gandhi University as a Research Centre in the year 2000.
- Accredited by the Kerala State Pollution Control Board as a B Grade Analytical Laboratory in 2007.
- The Department of Science and Technology, Govt. of India, has identified the department as a “FIST Aided Department” in 2008 and in 2013.
- One of the beneficiary Departments of “Star College” scheme of Department of Biotechnology (DBT), Govt. of India..

VISION

To be a Department of excellence in chemistry, and to become a Research & Development Centre in the field of chemical sciences in par with industry and society and thereby to establish a balance between education, innovation, research and service.

MISSION

To advance in chemical sciences through the education of undergraduate, postgraduate and research students by providing quality education, research and job opportunities and to make them excel in the field of Chemistry.

Why Chemistry @ Albert's?

- Highly efficient faculty members, trained from world top ranked Universities.
- Training on sophisticated laboratory equipment.
- Research oriented teaching and learning process.
- Opportunities for OJTs, Internships and project works at reputed Industries/Institutes.
- Opportunity for higher studies in reputed national/international institutes or Universities.
- Greater chances for employability.

Programme Structure

B. Sc. Chemistry

First Semester

- English I
- English/Common Course I
- Second Language I (Malayalam/Hindi/French)
- Theoretical and Inorganic Chemistry
- Mathematics
- Physics
- Volumetric Analysis Practicals
- Physics Practicals

Second Semester

- English II
- English/Common Course II
- Second Language II (Malayalam/Hindi/French)
- Theoretical and Inorganic Chemistry
- Mathematics
- Physics
- Volumetric Analysis Practicals
- Physics Practicals

Third Semester

- English III
- Second Language (Malayalam/Hindi/French)
- Organic Chemistry I
- Mathematics
- Physics
- Qualitative Organic Analysis Practicals
- Physics Practicals

Fourth Semester

- English IV
- Second Language (Malayalam/Hindi/French)
- Organic Chemistry II
- Mathematics
- Physics
- Qualitative Organic Analysis Practicals
- Physics Practicals

Fifth Semester

- Environmental Studies and Human Rights
- Organic Chemistry III
- Physical Chemistry I
- Physical Chemistry II
- Chemistry in Every Day Life
- Qualitative Inorganic Analysis Practicals
- Organic Preparations and Basic Laboratory Techniques Practicals
- Physical Chemistry Practicals
- Project

Sixth Semester

- Inorganic Chemistry
- Organic Chemistry IV
- Physical Chemistry III
- Physical Chemistry IV
- Polymer Chemistry
- Qualitative Inorganic Analysis Practicals
- Organic Preparations and Basic Laboratory Techniques Practicals
- Physical Chemistry Practicals
- Project, Industrial Visit, Viva – Voce

B. Sc. Industrial Chemistry**First Semester**

- English I
- Second Language I (Malayalam/Hindi/French)
- General and Analytical Chemistry
- Mathematics
- Industrial Aspects of Inorganic and Organic Chemistry
- Volumetric Analysis Practicals
- Industrial Inorganic Chemistry Practicals

Second Semester

- English II
- Second Language II (Malayalam/Hindi/French)
- Theoretical and Inorganic Chemistry
- Mathematics
- Chemical Industry and Industrial Applications of Physical Chemistry
- Volumetric Analysis Practicals
- Industrial Inorganic Chemistry Practicals

Third Semester

- English III
- Organic Chemistry I
- Mathematics
- Unit Operations in Chemical Industry
- Unit Processes in Organic Chemicals Manufacture
- Qualitative Organic Analysis Practicals
- Industrial Organic Chemistry Practicals
- Industrial Physical Chemistry Practicals

Fourth Semester

- English IV
- Organic Chemistry II
- Mathematics
- Industrial Methods of Chemical Analysis I
- Industrial Methods of Chemical Analysis II
- Qualitative Organic Analysis Practicals
- Industrial Organic Chemistry Practicals
- Industrial Physical Chemistry Practicals

Fifth Semester

- Environmental Studies and Human Rights
- Organic Chemistry III
- Physical Chemistry I
- Physical Chemistry II
- Nano Science and Nano Technology
- Qualitative Inorganic Analysis Practicals
- Organic Preparations and Basic Laboratory Techniques Practicals
- Physical Chemistry Practical
- Project

Sixth Semester

- Inorganic Chemistry
- Organic Chemistry IV
- Physical Chemistry III
- Physical Chemistry IV
- Nano Chemistry and Nano Technology
- Qualitative Inorganic Analysis Practicals
- Organic Preparations and Basic Laboratory Techniques Practicals
- Physical Chemistry Practical
- Project, Industrial Visit, Viva – Voce

Highlights of the Department

- Highly efficient Faculty Members with research experience from National/International Universities
- Well-equipped laboratories
- Class rooms with modern ICT tools
- High student progression
- Curricular and extra – curricular student centric activities
- MoUs with reputed Industries / Academic Institutions
- External students do their Master projects under the guidance of our faculty members

Collaborations and Recruiters

Collaborations with research institutes ensure the developing needs of the students and faculty members. The Department of Chemistry promotes different types of collaborations with neighboring institutions, universities, research centers and industries. These collaborations bring a network to provide students with professional training, reflection and guidance. The Department has collaborations with various International and National Universities, Research institutes and Industries.

MoUs

- ISF chitin and marine products LLP
- Axiom Laboratories
- Integrated Rural Technology Centre
- Riotech Industries
- Science Centre Kodungalloor
- Catholicate College Pathanamthitta
- St. Peter's College Kolenchery
- St.Gregoreous College,Kottarakkara
- Navadarshan

Academic Collaborations

- Vigyan Sagar Science Park, Trissur
- Rubber Park India Ltd
- IUCND, CUSAT
- SH College, Thevara
- Department P.S.&R.T., CUSAT
- Department Of Chemical Oceanography, CUSAT
- Dewaswam Board College, Thalayolaparambu

Recruiters

- ISF chitin and marine products LLP
- Axiom Laboratories

The students in the Department of Chemistry have a wide opportunity for placement in various reputed firms in India and abroad. Every year, many of the recruiting agencies conduct their campus drive for placement in our College. Students of the Department secured placements in various reputed institutions like Dr. Reddy's Lab, MRF Tyres, Appollo Tyres, Cochin Refinery, FACT, TCC, Indian Rare Earths and so on.



DEPARTMENT OF COMMERCE

Undergraduate Degree Programmes

B.Com Finance and Taxation (Aided)
 B.Com Finance and Taxation (SF)
 B.Com Computer Applications (SF)
 B.Com Co-operation (SF)
 B.Voc Professional Accounting and Taxation (SF)

Postgraduate Programmes

M.Com Finance (Aided)
 M.Com Finance (SF)

PhD.

Commerce

Certificate Courses

Online Trading and Mutual Fund Management.
 Computerized Accounting
 Taxation

Contact

commerce@alberts.edu.in
 commercesf@alberts.edu.in
 commercedepartment@alberts.edu.in

The Department of Commerce and Research Centre, one of the oldest departments of the College, believes in developing and nurturing global competencies in students through quality education, research and continuous innovation. It provides an excellent environment to nurture commerce professionals with a high level of knowledge and competence to effectively contribute to society with commitment and integrity.

The department also provides value added professional programmes and certifications through recognized global bodies such as Certified Management Accountant (CMA). The department offers programmes leading to B.Com (Taxation), B.Com (Computer Application), B.Com (Co-operation) and B.Voc. Professional Accounting & Taxation. We not only prove ourselves in academics but also in co-curricular and extra-curricular activities. A look at the academic achievement of our departments as well as the number of awards won at national and international sports and cultural competitions, the numerous experts and visitors as well as the multitude of societies that college is buzzing with bears testimony to the rich array that characterizes our department.

Milestones

1963 : Started B. Com Finance and Taxation
 1981 : Started M. Com Finance
 1998 : Research Centre of MG University
 2012 : Started B. Com Computer Application
 2015 : Started B. Com Finance and Taxation (SF)
 2020 : Started B. Com Cooperation (SF), B. Voc Professional Accounting and Taxation, and M. Com Finance (SF)
 2021 : Started B. Com Finance and Taxation (SF) (AN)

VISION

An educative community marked by excellence and integrity.

MISSION

To produce competent, disciplined and quality students through higher education in commerce with a view to train our students so as to develop the qualities in research.

Why Commerce @ Albert's?

The B.Com Programme is designed to lead students to gain in-depth knowledge on core areas of Commerce like accounting, law, statistics, finance, taxation, and marketing. A student holding a B.Com Degree is well prepared to sustain as a corporate employee or entrepreneur. To survive in this corporate world, it is necessary to know the areas of accounting and taxation. The B.Com Programme moulds the students in a way as needed by the industry. A B.Com student can explore numerous career options after obtaining a degree like CA, CMA, CS, ICWA, etc. The Department also offers B.Voc Professional Accounting and Taxation programme wherein the students can get an industry exposure through internship and OJT's. Once the students are done with the courses, they can choose their preferred job profile from the numerous opportunities available like Tax consultant, Auditor, Accountant, Accountant Executive, Tax Auditor, Finance Manager, Cost Accountant, Finance Analyst, Portfolio Manager, Statistician, Investment Analyst, Finance Consultant, Stock Broker, etc. Seminars/webinars, conferences, training programmes, and workshops are organized to keep the students updated so that they are able to embrace the latest developments in the field. The College provides a beautiful campus life and decent placements. Recruiting companies like TCS, Wipro, KPMG, Federal Bank, Sutherland, etc., conduct campus interviews and many students from the Department have been placed in reputed firms and the highest salary package offered was 6 LPA.

B.Com Finance and Taxation

B.Com Finance and Taxation is an Undergraduate Commerce Programme. It includes Financial Accounting, Business Management, Goods and Services Tax, Business Research and Income Tax etc. It offers a strong base in the field of taxation, accounting, and finance. The Programme provides an overview of the concepts of financial structure and accounting methods, together with a particular focus on tax evaluation. B.Com graduates can develop successful careers as Income Tax Officers, Cost Accountants, Tax Consultants, Budget Analysts, Finance Managers, Assistant Accountant, Auditors, etc. There is a definite and ever-widening scope for a successful future after doing this Programme.

B.Com Computer Application

B.Com Computer Application is a Programme designed to understand the field of Commerce linked with Information Technology. This Programme mainly focuses on the technical side of Commerce with the help of various IT tools. The essential requirement of today's accountant is a knowledge of various computer applications, which is provided in this Programme. The software taught are MS Office, Tally, SPSS, etc. This Programme will equip the student to acquire a job in the changing accounting environment.

B.Com Co-operation

B.Com Co-operation is a Programme designed by competent accounting professionals to groom the students and fill the demand-supply in Commerce. This Programme equips the students with practical and professional skills to work in Cooperative industries. The Cooperative sector's incredible growth in Kerala State has brought tremendous job opportunities for B.Com Co-operation graduates. Bank Clerks, Cooperative Bank Auditors, Cooperative Inspectors, and many other job opportunities await B.Com graduates. These graduates can also go in for higher studies like M.Com, CA, CS, CMA, MBA, etc. The Department trains students to gain prerequisite knowledge and skills needed to compete with existing global scenario. The Programme is benefitted from the interdisciplinary knowledge resources of experienced teachers and industrial experts. To provide practical knowledge to students, the Department has been incorporating internships with various companies. The Department also utilizes different teaching pedagogies to make the teaching-learning process effective.

Programme Structure (Finance and Taxation) (Computer Application)(Co-operation)

First Semester

- Fine-tune your English
- Kadhayum Kavithayum
- Prose and Mass Media
- Dimensions and Methodology of Business Studies
- Financial Accounting-I
- Business Regulatory Framework
- Banking and Insurance

Second Semester

- Issues that Matter
- Aathma Kadha Lekhanam
- Poetry, Commercial Correspondence, and Translation
- Financial Accounting-II
- Corporate Regulations and Administration
- Business Management
- Principles of Business Decisions

Third Semester

- Gems of Imagination
- Corporate Accounts-I
- Quantitative Techniques for Business- I
- Financial Markets and Operations
- Marketing Management
- Goods and Services Tax (B.Com Finance and Taxation)
- Information Technology for Business (B.Com Computer Application)
- Basics of Co-operation (B.Com Co-operation)

Fourth Semester

- Revisiting the Classics
- Corporate Accounts-II
- Quantitative Techniques for Business- II
- Entrepreneurship Development and Project Management
- Financial Services (B.Com Finance and Taxation)
- Information Technology for Office (B.Com Computer Application)
- Management of Co-operative Enterprises (B.Com Co-operation)

Fifth Semester

- Cost Accounting – I
- Environment Management and Human Rights
- Financial Management
- Income Tax- I (B.Com Finance and Taxation)
- Computerized Accounting (B.Com Computer Application)
- Co-operative Legal System (B.Com Co-operation)
- Fundamentals of Accounting (A)
- Capital Market and Investment Management (SF)
- Fundamentals of Banking and Insurance (SF)

Sixth Semester

- Cost Accounting – II
- Business Research
- Auditing and Assurance
- Management Accounting
- Income Tax- II (B.Com Finance and Taxation)
- Software for Business and Research (B.Com Computer Application)
- Accounting for Co-operative Societies (B.Com Co-operation)

B.Voc Professional Accounting and Taxation

B.Voc Professional Accounting and Taxation is a 3-year Programme with multiple exits at Diploma, Advanced Diploma, and Degree levels. This Programme is focused on incorporating specific job roles along with broad-based general education. The Programme equips the students in preparing financial statements, record business transactions, income tax filings, etc. The Department has incorporated the B.Voc programme as it has many job opportunities for the students to build their proficiency in Tally, Payroll, and Inventory Management. They can seek careers as Financial Reporters, Strategy Financial Advisors, Compliance Officers, Accountants, Tax practitioners, Chief Financial Officers, Tax Policy Analysts, Assistant Managers, Marketing Managers, Revenue Agents, etc. To provide practical knowledge to students, the syllabus has been incorporated with internships in various companies. The Department also utilizes different teaching pedagogies to make the teaching-learning process effective.

First Semester

- Basic English Skills for Business
- Computer Skills for Business
- Personal Effectiveness & Value Oriented Education
- Financial Accounting
- Financial Reporting
- Tally – I
- OJT (Two weeks)

Second Semester

- Advanced English Skills for Business
- Indian Financial System
- Business Mathematics & Statistics
- Accounting and Management – Payroll and Inventory, Accounts Payable and Receivable
- E-Commerce & Web Technology
- Internship with Project-I – 4 weeks

Third Semester

- Business Entrepreneurship
- Environmental Studies
- Cost Accounting
- Direct Taxation-I
- Corporate Accounts
- Tally 2 with GST
- OJT (Two weeks)

Fourth Semester

- Business Law: Insurance and Banking Regulations
- HRM – Compensation Management
- Strategic Financial Management
- Direct Taxation-II
- Management Accounting – Budgeting and Forecasting
- Internship-II – Organizational Study, Reporting and Viva Voce- 2-week

Fifth Semester

- Business Ethics & Global Business Management
- Research Methodology
- Capital Markets
- Auditing
- Indirect Taxation
- Tally (Payroll & VAT)
- OJT (Two weeks)

Sixth Semester

- Business Law: Securities Laws, FEMA, PMLA
- Corporate Readiness Program
- Business Law: Company Law
- Business Valuation and Business Analysis
- Management Information Systems
- Internship with Project-III – 4 weeks

Highlights of the Department**Department Tax Consultancy**

An initiative to enhance the tax skills of students of the Department. Students are made to prepare the Income-tax returns of various clients of the Department. This Programme helps the students in gaining practical hands-on experience in the tax field.

Entrepreneurial Activities

To make the students aware of the possible benefits of being an entrepreneur, our Department conducts Budding Entrepreneurs- Hands-on training in different entrepreneurial skills and Impresario – Entrepreneurial Talks – to ignite the entrepreneur in the students.

Inspire Talks

To inspire the students through talks by various successful persons.

Research Methodology Training

The Department regularly conducts training and development seminars for developing research aptitudes of faculty members and students.

Industrial Expert Talks

Students get in-depth knowledge about the recent trends in the industry, which leads them to develop holistically.

Touch to Heal

In collaboration with the Government Hospital, the Department of Commerce has organized a social outreach activity where the students spend a day with the inmates of the Hospital. Medicines are provided with the money earned by the students from various activities such as Food festivals, crafts stalls, and various other initiatives held in the College. The isolation and cancer wards are visited, and the students are allowed to interact with the inmates to feel compassion for them. This initiative makes the students aware, and they learn to empathize with the sufferings of the poor, marginalized and underprivileged sections of the society

SORRY – Shouldn't Our Resource Remain Years-Long

As Global climate change takes its toll on India, there has arisen an indispensable need for a people's movement to tackle this environmental catastrophe. To impart this knowledge, "SORRY"– Shouldn't Resource Remain Years-long, a Mega Project was launched by the Department of Commerce and Research Centre of St. Albert's College (Autonomous).

Collaborations

The educational field in the present scenario focus more on tie ups with collaborators in the form of industrial, service sector and other skill based units. Behind every pertinent aspect such as economic development, industrial growth, policy planning, business innovation and other significant economic aspects, the presence of experienced academicians play a significant role. To fulfill this, the Department of Commerce and Research Centre ensures collaborations with our prestigious collaborators thereby, students will be able to identify the changes in business conditions, economical aspects and other areas which mould them in such a way that they train themselves to be the best for the educational institution and the society. Gradually this will enable to build an economy filled with good researchers and efficient human resource that caters to all the sections of the society.

Recruiters

The Placement Cell, St. Albert's College Autonomous, Ernakulam is largely student-driven, professional body incorporated for facilitating recruitment of the country's best minds by global corporates. Over the years, the Placement Cell has experienced the visit of leading corporates including consulting giants, finance specialists and other renowned companies catering not only to placements but also to internships and articleships.



DEPARTMENT OF COMPUTER SCIENCE

Undergraduate Degree Programmes

B.Sc. Computer Science
B.Voc. Software Development

Postgraduate Programme

M.Sc. Computer Science

Certificate Courses

Internet of Things (IoT)
R Programming

Contact

computerscience@alberts.edu.in
sd@alberts.edu.in

The Department of Computer Science was established in 2015 to prepare students for careers as software professionals and for advanced studies in Computer Science. The Department develops and works with various technologies to build systems and applications that help to solve today's problems and share skills and knowledge with the community. The Department offers B.Sc. Computer Science, M.Sc. Computer Science [Machine Intelligence] and B.Voc. Software Development Programmes in the field of Computer Science. The Department promotes student seminars, presentations, project work, assignments. Apart from this, the Department provides a Certificate Programme in Internet of Things (IoT) and Certificate Programme in R programming. The Department also conducts an interaction programme with industry experts every month. Every year the Computer Literacy Week is celebrated by conducting curricular and co-curricular activities. The students are admitted to the Programmes through careful screening and other admission criteria.

Milestones

- Established in 2015
- Started B.Sc. Computer Science Programme in 2015
- Started M.Sc. Computer Science Programme in 2020
- B.Voc. Software Development Programme in 2020
- Certificate Programme in Introduction to Internet of Things (IoT) in 2019
- Certificate Programme in R Programming in 2021

VISION

To evolve into an esteemed centre of excellence in education and research, which contributes to individual and the upcoming knowledge-based society in the field of technology.

MISSION

To mould well-qualified professionals through career-based courses and well established technical environments in the field of Information Technology who are committed to society.

Why Computer Science @ Albert's?

The Programme provides the fundamental principles of Computer Science, such as the theoretical foundations of programming and gives numerous opportunities to apply these principles in relevant social and business contexts. The courses are designed to provide practical learning and knowledge with problem-solving skills to equip students to excel in Information Technology. The Department offers an excellent academic environment. A team of experienced and dedicated faculty and eminent representatives from the industry blend both teaching and industry experience. In addition, the Department has an association. It organizes various national, international seminars/webinars, conferences, interaction with industry experts, workshops, hands-on training, and Industrial Visits to remain connected with the industry and acquire knowledge and skill in the latest technologies.

Programme Structure

First Semester

- English- I
- Mathematics-I
- Computer Fundamentals and Basics of Pc Hardware
- Methodology of Programming and C Language
- Fundamentals of Digital System
- Software Lab -I

Second Semester

- English- II
- Mathematics-II
- Data Communication
- Computer Organization and Architecture
- Object Oriented Programming Using C++
- Software Lab -II

Third Semester

- Probability and Statistics
- Database Management Systems
- System Analysis and Design
- Networking Fundamentals
- Data Structure Using C++
- Software Lab -III

Fourth Semester

- Linux Administration
- Microprocessor and Assembly Language Programming
- Computer Aided Optimization Techniques
- Web Programming Techniques
- Assembly Language Programming Lab
- Software Lab -IV

Fifth Semester

- System Software and Operating System
- IT and Environment
- Java Programming Using Linux
- Computer Security
- Open Course
- Software Development Lab I (Mini Project)

Sixth Semester

- Computer Graphics
- Big Data Analytics
- Programme Elective
- Seminar
- Software Development Lab II (Main Project)
- Viva Voce

B.Voc Software Development

The three-year undergraduate programme B. Voc. Software Development is a judicious mix of skills, professional education related to Software Development and also appropriate content of general education. The courses are designed to equip the students to cope with the emerging trends and challenges in the Software Development environment. One of the most significant advantages of pursuing B. Voc. against common degree courses is that a candidate has multiple exit points during the programme and continuous industry exposure. This means that if a candidate cannot complete his/her B. Voc. course she/he is still awarded a diploma after the successful completion of the first year or an advance diploma after the successful completion of the second year. Apart from this the work experience candidates gain during the programme increases their chance of getting a job.

Programme Structure

First Semester

- Basic English Skills for Business
- Computer Skills for Business
- Foundations of Mathematics
- Principles of Management
- Programming Principles & C, C Lab
- Word Processing, Image Editing and Lab
- On-the-Job Training

Second Semester

- Advanced English Skills for Business
- Soft Skills and Personality Development
- Optimization Techniques
- Computer Animation and Lab
- Data Structures Algorithms and Lab
- Internship 1

Third Semester

- Software Engineering
- Environment Science and Human Rights
- Computer Networks
- Operating Systems
- Database Management System & Lab
- OOPs and Lab
- On-the- Job Training

Fourth Semester

- Business Entrepreneurship
- Corporate Readiness Programme
- Management Information Systems
- Web Application Development and Lab
- Computer Hardware Maintenance and Lab
- Internship 2

Fifth Semester

- Aptitude and Logical Reasoning
- Research Methodology
- Artificial Intelligence
- Data Analytics
- Programming in Java and Lab
- Software Testing
- On-the- Job Training

Sixth Semester

- Information Security
- Informatics
- Digital Marketing
- Mobile Application Development and Android Lab.
- Free and Open Source Software
- Internship 3

Highlights of the Department

- **Connect with Industry**

The Department of Computer Science proactively collaborates with the companies from the industry to ensure that our students and faculty members are always updated with the latest technology trends. The Department organises Seminars, Workshops and Trainings in collaboration with the companies as part of our skill development programs. The department has active collaborations with TechByHeart India Pvt Ltd, Networkz Systems, Brahmas HRMS and have conducted various activities for the students.

- **Connect with Alumni**

The Department has a vibrant alumni community with interesting, accomplished, and varied careers. Building relationships with alumni is a great way to learn, create a supportive professional community for our students, and discover hidden opportunities.

The alumnus of our department help our students in

- Gaining insights into industries and organizations
- Learn about opportunities, Expand professional network and community
- Find mentors who can support in your career journey
- Build job-search skills

- **Computer Literacy Week celebration**

As part of the Computer Literacy Week celebration, Department of Computer Science, St. Albert's College (Autonomous) organises various technical sessions on IT Careers for students every year. The aim of conducting this programme is to prepare the students for the development of technological skills.

- **Coding Hackathon**

The Department of Computer Science, St. Albert's College (Autonomous) organises a state wide Coding Hackathon every year. The aim of this event is to test the programming capabilities of Undergraduate Students in the field of Computer Science.

- **IT fest**

The Department of Computer Science, St. Albert's College (Autonomous) organises Intercollege IT fests every year. This event plays an important role in motivating the future graduates to take up more challenging and competitive projects.

- Placement Oriented Soft Skills Development Programmes (Professional Grooming, Professional Resume Preparation, Interview Techniques, Corporate Aptitude, Group Discussion Sessions)
- As part of the placement-oriented soft skills development, Department of computer science, St. Albert's college (Autonomous) organised a session on Professional Grooming Interview Techniques, Corporate Aptitude, Group Discussion Sessions taken by experts.
- Fully fledged UG, PG and Robotics Lab

- **Placement Assistance**

The Department offers placement assistance by connecting with various companies from the industry. The Department also provide our students with grooming sessions and soft skill development trainings to make them ready to face the interviews.

Collaborations

The Department of Computer Science has MoUs with other organizations and institutions to expand the partnerships in education, training, and research. All the MoUs signed emphasizes on institutional partnership, collaboration in quality assurance, skill development, vocational education and to provide technical support in Training and Development as well.

The Department has MOUs with the following organizations,

- Model Finishing School, a joint initiative of the IT Department, GoK and the Institute of Human Resources Development (IHRD)
- TGI Technologies, Cochin, A Digital Marketing Company
- Vishwas Matrimony, Service from the Ministry of Family Commission, Archdiocese of Verapoly, Ernakulam

Recruiters



Cognizant



Deloitte.





DEPARTMENT OF ECONOMICS

Undergraduate Degree Programme

BA Economics

Postgraduate Programme

MA Economics

Certificate Courses

Certificate Course in Bank Management

Certificate Course on Entrepreneurship Development

Contact

economics@alberts.edu.in

The Department of Economics is one of the oldest departments in the college with more than 76 years of tradition in academic excellence. The Department was established in the year 1946 with a Pre- University course and in 1947, Degree course in Economics was introduced. In 2013, the department was upgraded to a Post Graduate Department in the college. The Department of Economics has recorded a consistent improvement in its academic, research and placement performance. It provides a variety of resourcefully designed courses and curriculum and is continuously modernized to meet the changing requirement of the modern world to meet the needs of the students. The department has a reputation of creating good citizens with personal and social responsibilities. The Department has a long history of organizing regional, national and international seminars, invited lectures and workshops. The Department has a student strength of above 200 with 6 permanent faculty members.

Milestones

- Established in 1946 with the Pre-university course
- Degree Course in Economics was introduced in 1947
- Post Graduate degree Course in Economics started in 2013
- Introduction of UGC sponsored Foundation course on Human Rights in the year 2015-16 academic year and continued for 5 years
- Introduction of UGC sponsored MOOC on 'Economic History of India from 1857 -1947'
- Introduction of Certificate course in Bank Management in 2019
- Commencement of Certificate course on Entrepreneurship Development in 2020

VISION

A Research-oriented, socially committed, leading Economics Department in the State of Kerala which strives for the holistic development of students.

MISSION

To stimulate the academic environment for the promotion of quality in teaching-learning and research.

Why BA Economics @ Albert's?

The Department of Economics, St. Albert's College (Autonomous), Ernakulam has a long tradition of academic excellence and leadership and ensures highest quality of learning to all. It acts as a catalogue of impact driven educational programme through providing numerous opportunities for the students like research participation, social outreach and extension programmes, interactive sessions with eminent Economists, internships ,Industrial visits, campus placements , life skill programmes etc. aim at the holistic and sustainable development of the students.

Program Structure

First Semester

- English
- English
- Second Language
- Perspectives and Methodology of Economics
- Social formations in Pre-modern India
(Complementary course I)

Second Semester

- English
- English
- Second Language
- Micro Economic Analysis I
- Transition to the Contemporary world
(Complementary course II)

Third Semester

- English
- Second Language
- Micro Economic Analysis II
- Economics of growth and development
- An Introduction to Political Science
(Complementary course III)

Fourth Semester

- English
- Second language
- Macro Economics I
- Public Economics
- Indian Constitution: Social Issues in India
(Complementary course IV)

Fifth Semester

- Quantitative Techniques
- Macro Economics II
- Environmental Economics
- Introductory Econometrics
- Open course

Sixth Semester

- Quantitative methods
- International Economics
- Money and financial markets
- Indian Economy
- Choice based course
- Project and Viva Voce

Highlights of the Department

The Department of Economics consists of 6 permanent faculty with 5 PhD holders who are experienced in diverse domains of knowledge especially in the realm of Economics and Political Science and a student strength of 210. The Department is equipped with ICT enabled classrooms to enable the advancement of knowledge and learning in the realm of Social Science. Need based certificate courses in Bank Management and Entrepreneurship development enable the students to achieving high standards of academic performance and awareness on economic roles.

Collaborators and Recruiters





DEPARTMENT OF ENGLISH

Undergraduate Degree Programme

BA English Language and Literature (Model I)

Postgraduate Programme

MA English

Certificate Courses

Albertian English Language Programme
Certificate in Media Studies

Contact

english@alberts.edu.in

The rich history of the Department spans for more than seven decades. The Department had its inception in 1951. Prof. A P Matthai, a renowned Latin scholar and the classmate of the Malayalam poet Changampuzha was the first Head of the Department of English. Over the years, the Department has been actively engaged in augmenting the academic rigour of the students. The faculty of the Department has also implemented various Social Outreach programmes.

Milestones

- *BA English Language and Literature started in 2000.*
- *MA English started in 2005.*

VISION

To envision the Department as a centre for academic excellence, professional expertise, and contextual research in English Studies and balance the needs of general education - communication, diversity, global perspectives, interdisciplinary studies - with those of the major.

MISSION

To enable students from diverse educational backgrounds to develop an in-depth knowledge of language, literature and culture to achieve their academic and professional goals and also introduce students to the tools of research and broaden their critical sensibilities.

Why BA English @ Albert's?

The Department of English at St. Albert's College (Autonomous) provides an atmosphere of learning where students and teachers can interact freely and openly, expanding the horizons of knowledge. A well maintained Department library, opportunities to write and publish their creative works, experienced faculty members, internships and rigorous training to prepare students for higher education and competitive exams are some of the factors that attract students to pursue their studies in English Language and Literature at St. Albert's College (Autonomous).

Programme Structure

First Semester

- Fine-tune Your English
- Pearls From the Deep
- Second Language
- Methodology of Literary Studies
- Political Science

Second Semester

- Issues that Matter
- Savouring the Classics
- Introducing Language and Literature
- Second Language
- Political Science

Third Semester

- Literature and/as Identity
- Second Language
- Harmony of Prose
- Symphony of Verse
- Evolution of Literary Movements: The Shapers of Destiny

Fourth Semester

- Illuminations
- Second Language
- Modes of Fiction
- Language and Linguistics
- Evolution Of Literary Movements: The Cross-Currents of Change

Fifth Semester

- Open Course
- Acts on the Stage
- Literary Criticism and Theory
- Indian Writing in English
- Environmental Science And Human Rights

Sixth Semester

- Choice Based Course
- Postcolonial Literatures
- Women Writing
- American Literature
- Modern World Literature
- Project

Highlights of the Department

1. External Lecture Series:

Each year the Department of English invites prominent resources persons who are specialized in the various branches of Language and Literature for expert talks.

2. MELA (Magazine of English Literature and Arts):

MELA is a literary magazine by the students and for the students. TEA@alberts (The English Association at Albert's) promotes students to publish their original creative works. MELA can be regarded as the perfect avenue for budding young writers.

3. *Albertian Review of Literature (ARL)*:

ARL is a peer reviewed journal published by the Department of English. The ARL regularly publishes original and unpublished research articles in English from students, research scholars and faculty members.

4. MoUs and Internships:

The Department of English has signed Memorandum of Understanding (MoU) with Chams Branding Solutions and TGI Technologies, two leading media based companies. The MoU allows the students of the Department of English to pursue internships while studying at St. Albert's College along with industry exposure through career guidance and expert talks.

5. Participative and Experiential Learning activities:

The faculty members of the Department frequently organize various teaching-learning activities to enhance and encourage active student participation in academics.



DEPARTMENT OF SPORTS SCIENCE AND FITNESS MANAGEMENT

Undergraduate Degree Programme

B. Voc Fitness Management and Personal Training

B. Voc Sports Nutrition and Physiotherapy

Contact

fitness@alberts.edu.in

sportsnutrition@alberts.edu.in

The Department of Sports Sciences and Fitness Management of St Albert's College, aims at developing world class leaders in the field of sports and fitness who can manage their roles with an understanding of the practices, strategies and the fundamentals of the sporting ecosystem and the scopes in the related sector by instilling the necessary business and leadership skills. Students get to explore advanced modules such as exercise nutrition, exercise rehabilitation, physical activity and health, sports injury prevention and management, psycho-social aspects in physical activity and chronic disease as well as learn statistical research methods to analyse and evaluate data regarding sports performance and the. The Department offers two B Voc Programmes: B Voc Fitness

Management and Personal Training (Self Financing) and B Voc Sports Nutrition and Physiotherapy (Self Financing). Both the courses have a duration of 3 years on full-time basis.

Milestones

- *The department was started in the year 2019 with the commencement of a new programme in B.Voc. Fitness management and Personal training.*
- *B.Voc. Sports Nutrition and Physiotherapy was started in the year 2020*

VISION

To be a nationally recognized Centre for excellence in teaching health and fitness and to create leaders in the areas of sports, fitness, yoga, health, physical activity, physiotherapy, exercise and nutrition.

MISSION

We stress on academic, athletic, personal, social as well as professional development and make sure that current and future sports professionals excel physically as well as emotionally. We are committed to enrich local communities by providing unparalleled and inclusive educational and recreational programmes, services and facilities to promote physical, social and emotional health and wellness.

Why B.Voc Fitness Management and Personal Training @ Albert's?

The Programme is an appropriate mix of general education and skill development components. The Programme has been designed to develop entrepreneurial oriented Fitness Management graduates who have an in-depth expertise in pragmatic and academic skills related to health, fitness, yoga, aerobics, wellness and personal training.

Specifically, the graduates will be adept in several transferable, analytical and communication skills, including:

- General Education Components
- Skill Components
- Project
- Internships
- Soft skills and Personality Development Programs
- Industrial Visits

The students have career prospects in the field of **Fitness Management and Personal Training, Yoga and Physical Education**.

Fitness Gym, Yoga Hall, Football Turf, ICT enabled class rooms provide effective learning experience.

Why B. Voc. Sports Nutrition and Physiotherapy@ Albert's?

The program develops the capabilities of the candidates in providing therapeutic care in health and disease. The graduate would be able to understand the nutrition essential for sports and exercise in order to enhance the quality of performance. Students will get an opportunity to pursue internships at Palliative care, Hospital Dietary Departments, Sports Nutrition Centers, Fitness and Yoga Institutions. The department has well equipped Nutrition Lab, Physiotherapy Lab and Open gym facilities to inculcate skill based learning. After graduation the students can opt for higher education in the field of **Sports Nutrition, Clinical Nutrition and Dietetics, Sports Physiology, Biomechanics, Physical Education** and courses related with their subject area. The students have ample career opportunities as **Sports Nutritionist, Hospital Dietitian , Assistant Physiotherapist, and Fitness Expert**.

Programme Structure

B.Voc Fitness Management & Personal Training

First Semester

- Basic English Skills for Business
- Study skills for Sports and Exercise Science I
- Foundations of Health, Fitness and Physical Education
- Fundamentals of Weight Training
- Principles of Management
- Fundamentals of Anatomy & Physiology
- OJT – 2 Weeks

Second Semester

- Advanced English Skills for Business
- Study skills for Sports and Exercise Science II
- Business Economics
- Test and Measurement in Physical Education and Sports
- Fundamentals of Yoga
- Internship with Project I

Third Semester

- Introduction to Exercise Physiology
- Environment Science and Human Rights
- Foundations of Kinesiology and Biomechanics
- Introduction to Sports and Exercise Psychology
- Client Testing and Training
- Fitness and Conditioning
- OJT Professional Practice in Personal Training I

Fourth Semester

- Business Entrepreneurship
- Nutrition, Obesity and Weight Management
- Aerobics and Fitness –Theory and Practice
- Advanced Training – Principles and Methods
- Yoga for Fitness
- Internship with Project II – Client Testing and Training

Fifth Semester

- Customer Service, Marketing & Sales
- Introduction to Sports Management
- Basics of Research Methodology, ICT & Statistics
- Introduction to Physiotherapy & Injury Management
- Yoga Therapy and Remedial Treatments
- Massage Manipulations – Theory and Practice
- OJT Professional Practice in Personal Training II

Sixth Semester

- First Aid and Emergency Management
- Corporate Readiness Program
- Facility Management, Operations and Design
- Exercise Programming for Medically referred Clients
- Fundamentals of Sports Medicine and Rehabilitation
- Internship with Project III

B.Voc Sports Nutrition and Physiotherapy**First Semester**

- Basic English Skills
- Basic Nutrition
- Food Science
- Human Physiology
- Human Anatomy
- Computer Skills
- OJT

Second Semester

- Advanced English Skills
- Food Microbiology
- Nutritional Biochemistry
- Yoga and Basic Life Support
- Orientation to Sports Physiotherapy
- Internship 1

Third Semester

- Environment Science and Human Rights
- Clinical Orthopaedics & Sports Medicine
- Family Meal Management
- Sports and Exercise Therapy
- Electrotherapy
- Physiology of Sports and Exercise
- OJT

Fourth Semester

- Sports Psychology and Counselling
- Nutrition for Sports and Exercise
- Therapeutic Nutrition
- Physiotherapy in Orthopaedics and Sports Medicine
- Normal and Therapeutic Nutrition Practical
- Internship 2 – Organizational Study, Reporting and Viva Voce

Fifth Semester

- Research Methodology and Statistics
- Biomechanics
- Physiotherapy in Neurology and Neuro Surgery
- Sports Specific Nutrition
- Weight Management, Rehabilitation and Fitness
- Clinical Orthopaedics and Sports Medicine Practicals
- OJT

Sixth Semester

- Corporate Readiness Programme
- Physiotherapy in General Medicine and Surgery including Cardiothoracic Conditions
- Clinical Sports Nutrition
- Public Nutrition
- Sports Nutrition and Public Nutrition Practicals
- Internship with Project-III

Highlights of the Department

- Multidimensional Programme
- Multiple Exit Opportunity
- Skill Based Learning
- Job Opportunities in Multiple sector
- High Quality Lab Facilities
- Internships and OJTs in every semester
- Higher Education Opportunities both National and International level
- Placement opportunities

Collaborators and Recruiters



Believers Church
MEDICAL COLLEGE HOSPITAL



Aster
Medcity

We'll Treat You Well™



"Action with Love is Service"



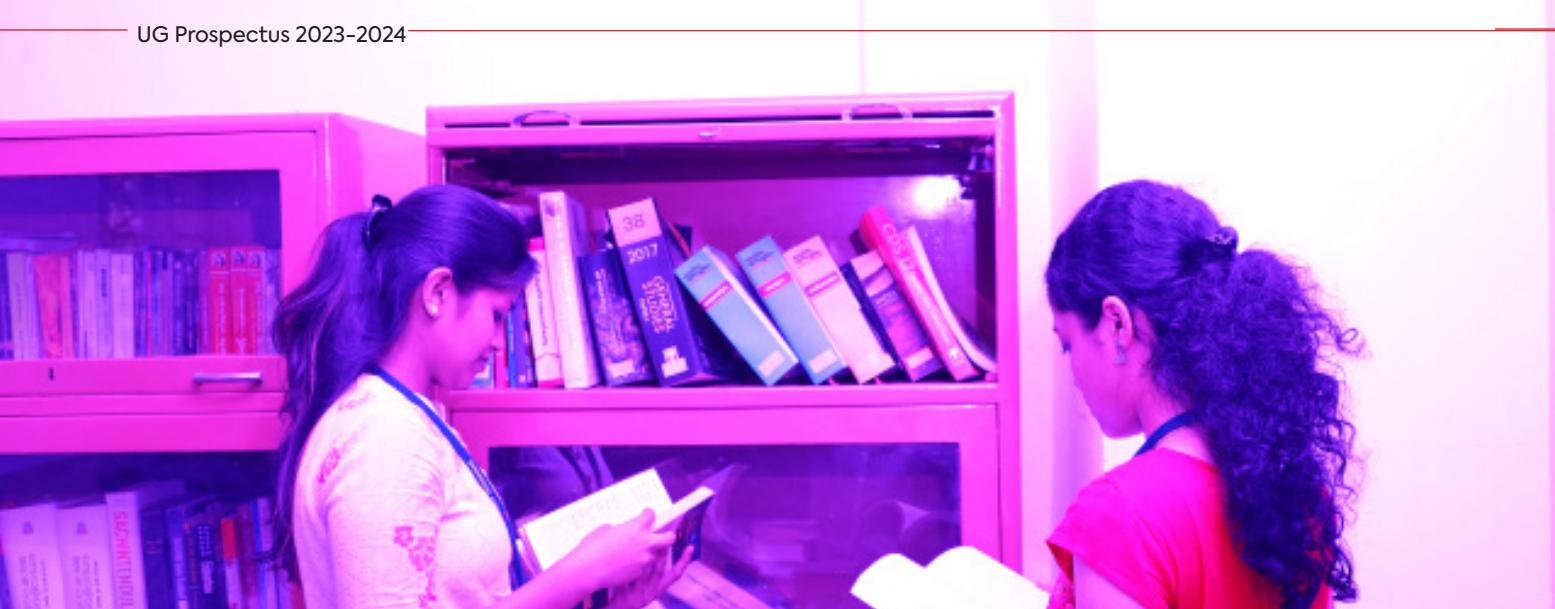
KINDER
Kindles life

KINDER MULTISPECIALITY HOSPITAL



CLUB ACTIVE™





DEPARTMENT OF JOURNALISM

Undergraduate Degree Programmes

B.Voc Journalism and Mass Communication

BA English - Literature, Communication and Journalism

Contact

journalism@alberts.edu.in

Albertian News Channel

<https://www.youtube.com/@albertiannews5692>



The Department of Journalism was established in 2020 to provide quality education in language, media studies and ethical journalism, thereby shaping individuals to become visionaries and responsible future leaders and game-changers. The Department of Journalism offers Undergraduate Programmes in B.Voc Journalism and Mass Communication and BA English Literature, Communication and Journalism. These are three-year multidisciplinary courses to enable students to become professional journalists endowed in both skill sets and ethical approaches. It has multiple entry and exit options which allows them flexibility and freedom in completing the programme. The Undergraduate Programme, B.Voc Journalism and Mass Communication is designed to impart theoretical and practical knowledge in media studies. This three-year-long career-oriented Programme aims to mold enthusiastic and passionate media professionals. The Programme deals with different journalistic tasks such as public relations, advertising, media management, television and radio production, corporate communication, press laws, graphic designing, etc. BA English Literature, Communication and Journalism is designed to provide skills relevant to the respective field of expertise. It is future-oriented and has practical insight concerning the impartation of advanced skill sets and employability. Methods for academic paper writing, different methodology for reports, report writing, journaling, media reporting and broadcasting are given priority.

Milestones

- *Established in the year 2020 with two Programmes - B.Voc Journalism and Mass Communication and BA English Literature, Communication and Journalism.*
- *Established a news channel called Albertian News on 9th July 2021.*
- *Celebrated the one year anniversary of Albertian News on 4th July 2022 with a two day national seminar called TRIDENT.*

VISION

To be a centre of excellence in all endeavours, focusing on learning outcomes, teaching, research, consultancy, community involvement and nation building.

MISSION

Inspired by the Eternal Teacher, Jesus Christ, we strive towards the goal of equipping young people to meet the challenges of the modern times by providing an all-round formation. We exist for our students and provide them with a most friendly innovative and growth-oriented ambience to create knowledge, develop social consciousness and civic responsibilities. We do everything in our capacity to ensure excellent standards that would secure them higher learning, employability, research aptitude, leadership and life skills.

Why B. Voc Journalism and Mass Communication @Albert's?

B. Voc Journalism and Mass Communication provides our students with facilities such as video editing labs, web designing, news writing and reporting, poster designing; which gives the students a practical exposure. In a society where the importance of media is steadily increasing, our programme instigates a practical approach among the students. The programme ignites teamwork, problem solving, critical thinking and public speaking skills.

Why BA English Literature, Communication and Journalism @Albert's?

BA English Literature, Communication and Journalism opens up a world of possibilities. The students are introduced to various areas and genres of literature, where they handle literature along with media. Juxtaposed with novels and poetry writing; the students are trained in news writing and reporting. The On Job Training in the field of media along with enactment of plays enable our students to come out in flying colors as multitalented individuals and thereby mold them to face a world with career opportunities in the field of teaching, media, advertising, writing and publishing and numerous other areas.

OJT/Internships

- *B.Voc Journalism and Mass Communication – OJTs in every odd semester and Internships in every even semester in all media houses.*
- *BA English Literature, Communication and Journalism – OJT during the final semester in any media organizations*

Programme Structure

B.Voc Journalism and Mass Communication

First Semester

- Basic English Skills
- Introduction to Journalism
- Introduction to Communication
- Introduction to Print Media
- Reporting skills and Techniques
- Digital Media Skills
- OJT

Second Semester

- Advanced English Skills
- Constitution of India
- Media and Cultural Studies
- Introduction to Electronic Media
- Editing & Principles of Layout and Design
- Internship 1

Third Semester

- Environment Science and Human Rights
- Radio Journalism
- Perspectives in Media History
- New media Lab
- Photography
- Film Appreciation
- OJT

Fourth Semester

- Media Laws and Ethics
- Statistics
- Malayalam Journalism
- Scriptwriting for Media
- Videography
- Internship 2

Fifth Semester

- Research Methodology
- Corporate Communication
- Media economics
- Advertising
- Introduction to Professional Publishing
- Video editing
- OJT

Sixth Semester

- Public Relations
- Media management and Economics
- Sound editing
- Video Production
- Travel Journalism
- Internship with Project 3

BA English Literature, Communication and Journalism**First Semester**

- Fine-tune Your English
- Methodology of Literary Studies
- English Literature from Old English Period to the Romantic Age
- Conversational Skills
- Writing for Media

Second Semester

- Introducing Language And Literature
- English Literature from Victorian to the Postmodern age
- Editing and Fundamentals of Media Writing
- Interpersonal Skills
- Issues That Matter

Third Semester

- Harmony of Prose
- Symphony of Verse
- Introduction to Narratology
- Digital Writing, Advertising and Reporting for Media
- Creative Writing

Fourth Semester

- Modes of Fiction
- Language and Linguistics
- Business Writings
- Translation: Theoretical and Literary Perspectives
- Writing for Radio and Television

Fifth Semester

- Appreciating Films
- Acts on the Stage
- Literary Criticism and Theory
- Indian Writing in English
- Environmental Science and Human Rights

Sixth Semester

- Postcolonial Literatures
- Women Writing
- American Literature
- Modern World Literature
- OJT in Media: Audio, Visual and Print and Project

Highlights of the Department

- Student-friendly and zero tolerance for ragging.
- International seminars and workshops
- Global and societal engagement
- Industry relevant
- International and national collaborations and opportunities
- Updated syllabus
- Open courses
- Multiple entries and exit options
- Flexible courses with customized syllabus
- Proficiency-based training
- Socially committed causes
- Technology-driven pedagogy
- Full-time faculty members with a rich blend of industry experience and academics.
- Television studio for extensive student training.
- Professional sound recording studio and dubbing set up for student training.
- Semester wise internships facility in reputed organizations.

Collaborators

- Keralavani



- Nalla Relations



- Radio BMC





DEPARTMENT OF LOGISTICS MANAGEMENT

Undergraduate Degree Programme

B.Voc Logistics Management

Postgraduate Programme

M.Voc Logistics and Supply Chain Management

Certificate Courses

Personal Enhancement Lab

Contact

logistics@alberts.edu.in

 Logistics at Alberts

 logistics_alberts

 Logistics_Alberts

First time in Kerala, a University has started a 3-year full-time UG Degree Programme in Logistics Management, in St. Albert's College. The University Grants Commission (UGC) has launched a scheme on skills development based on higher education as part of college/university education, leading to Bachelor of Vocation (B.Voc) degree, an undergraduate course with multiple exits as Diploma / Advanced Diploma / Degree under the National Skill Qualifications Framework (NSQF). Department of Vocational Studies in Logistics Management is successfully continuing its journey since 2014 in St. Albert's College (Autonomous), Ernakulam. The B.Voc Logistics Management is a three-year programme which was commenced in the academic year 2014 November and it gained its momentum gradually. Now the programme is a self-financing course since 2017. In the academic year 2020 November, UGC has launched a programme M.Voc Logistics and Supply Chain Management in addition to B.Voc program. where it flegdes with 7 full time faculties and 160 plus students .

Milestones

- **2014 :** *First time in Kerala, a University has started a 3-year full-time UG Degree Programme in Logistics Management, in St. Albert's College .*
- **2014 :** *A fully vocational skill enhancement Programme, under Logistics Sector Skill Council, Ministry of Human Resources, GOI, commenced the first Batch, in November 2014, under the Department of Commerce.*
- **2015 :** *Became an independent Department (Dept. of Vocational Studies – DVS)*
- **2017 :** *Secured 2nd and 3rd rank in MG university examination.*
- **2017 :** *Fourth batch came into the self-financing status, with an inter-state diversity.*
- **2020 :** *UGC has launched an additional programme M.Voc Logistics and Supply Chain Management in St. Albert's College Ernakulam.*

VISION

“To be a Centre of Excellence in the field of Logistics and Supply Chain Management through high quality knowledge sharing and growing with Academics and Corporate, for the Community.”

MISSION

“To inspire, guide, and equip future Logisticians, to perform their tasks efficiently and effectively. We will strive for their real transformation and eradicating all shortcomings from their lives so that they always satisfy their customers”.

Why B.Voc Logistics Programme @ Albert's?

Shipping and Logistics is the right career option for individuals who are interested in transportation business management in India. With various opportunities available in the industry, shipping and logistics can be a very advantageous career. The Bureau of Labor Statistics projects 4.4 percent employment growth for logisticians between 2019 and 2029. With the rapid growth of e-commerce and other related industries, transport & logistics courses has become an important aspect. Logisticians populate almost every field, from retail to finance to government. In the private sector, they handle shipping, distribution, warehousing and quick deliveries to customers. As the College is located in Ernakulam the port city of Kerala. Students get International exposure in various Logistics industries like Sea port, Airport, Freight forwarding, Logistics Companies etc. On the job training and Internship provided in the academic program give the students a live experience in the field of International Logistics in addition to theoretical Knowledge.

Programme Structure

B.Voc Logistics Management

First Semester

- Fine Tune your English
- Business Mathematics
- Operations Management
- Fundamentals of Accounting
- Principles of Management
- Computer Skills for Business I
- OJT – 2 weeks

Second Semester

- Issues that Matter
- Business Statistics
- Introduction to Logistics Management
- Marketing Management
- Computerized Accounting Lab
- Internship with Project I – 4 weeks

Third Semester

- Business Communication
- Domestic Logistics Management
- Logistics information system
- Warehouse Management
- Research Methodology
- Computer Skills for Business II
- OJT – 2 weeks

Fourth Semester

- Supply chain management Shipping and ocean
- Shipping and ocean freight management
- Export and import – policies and procedures
- Business ethics & global business management
- Soft Skill & Personality Development-5
- Internship with Project II – 4 weeks

Fifth Semester

- Enterprise Resource Planning
- Transportation and distribution management
- Financial Management
- Inventory Management
- Air Cargo Logistics Management
- ERP Lab
- OJT – 2 weeks

Sixth Semester

- Retail Management
- International logistics management
- Entrepreneurship Development
- Customer Relationship Management
- Human Resource Management
- Internship with Project III – 4 weeks

Highlights of the Department

Epifano

An exhibitions cum sale to boost up the entrepreneurial functional area of students. An Intra collegiate exhibition cum sale programme initiated by the Department of logistics to enhance the entrepreneur skills, personality skills and marketing skills among the students.

Novalise

Academic extension program to aspire the higher secondary students for a better academic prospectus. It was a national level online contest for Plus Two students. The contest was organised under three sessions.

- a) Best Quote
- b) Essay writing
- c) Power point presentation

Snehasparsham

The Dept. of Logistics Mgt. celebrated World Student's Day on 'Snehasparsham', a social outreach programme to extend our helping hands to disabled community. The event helped to fill the students with compassion and love towards mentally challenged children.

Meraki

Establishing and sustaining the network channel among the Alumni of Department of Logistics Management. Alumni engagement leads to lifelong alumni relationships, alumni helping the current students choose the right career stream or college, internships, placements and donations or can even fund scholarships.

Cheer-up society

Social outreach program to help the needy people in and around students residing area. The programme's aim is to help the needy people in and around us with the amount collected from the students and teachers in our department

Placement webinar series

A training program to prepare students to face the interview and a better job career in industry

Scrapex

Creative tool to turn up waste products into useful products for the society

Collaborations

We have signed MoU's with various Logistics Organization for internships and expert talks and knowledge sharing. Our collaborators include Mereena Group of Companies and Fusion Shipping Worldwide Pvt Ltd India. It allows all parties to clearly state all of their objectives and goals. This makes for less uncertainty and prevents future unexpected disputes to occur. Furthermore, by clearly laying out what each party expects of the other, an MOU provides a blueprint for any contract both parties may or may not wish to draw up in the future.

Recruiters



L I V R O Shipping LLC



DEPARTMENT OF MANAGEMENT

Undergraduate Programmes

Bachelor of Business Administration
(BBA)

Bachelor of Business Management
(BBM)

Certificate Courses

Venture Management

Contact

bba@alberts.edu.in

The Undergraduate Department of Business Administration of St. Albert's College has been functioning since 2014 under the Albertian Institute of Management. The Department offers a three-year full-time Undergraduate Degree Programme in Business Administration (BBA) designed to be experiential, analytical, and industry-relevant. It installs and develops a range of knowledge and skills to equip students. The Programme orients students to a foundation in management, entrepreneurship, accounting, etc., at the Undergraduate level. In 2020, the Department started its second Undergraduate Programme- Bachelor of Business Management which focuses on studying subjects related to the management of businesses and organizations and the development of entrepreneurial skills of a student.

Milestones

- *Department of Business Administration was established in the year 2014.*
- *The First syllabus revision was during the academic year 2017-18.*
- *The Second syllabus was revised during the academic year 2019-20*
- *Swach Bharath Mission in 2019*
- *The Department of Business Administration signed MOU's with various reputed organizations.*
- *Department of Business Administration was Ranked 6th among emerging BBA Institutions of India by Times B-School Survey 2020.*
- *Department of BBM was established in the year 2020.*

VISION

"To impart value-based education and transform the students into Socially responsible and dynamic individuals".

MISSION

1. *To facilitate the overall development of students, especially concerning managerial, administrative, and decision-making skills.*
2. *To leverage our knowledge and resources to provide experiential learning, immersion, and other collaboration opportunities.*
3. *To offer the best professional development and career management opportunities for our students.*
4. *To foster the growth of students and faculty through professional development plans and research programmes.*

Why Business Administration and Business Management @ Albert's?

- BBA and BBM are some of the most sought-after Programmes of the College, which cater to the dynamic needs of the global business scenario.
- They seek to provide the best possible opportunities, enhancing prerequisite knowledge, relevant skills, and the right attitude for students.
- The Programmes are benefited from the interdisciplinary knowledge resources garnered from experienced teachers and industrial experts.
- The Department also utilizes various higher-order teaching pedagogies to make the teaching-learning process effective.
- In the BBM course, students can gain in depth knowledge in business and can acquire skills like leadership, entrepreneurship and interpersonal relations for managing the corporate world.

Bachelor of Business Administration (BBA)

First Semester

- English Paper 1
- Principles and Methodology of Management
- Business Accounting
- Fundamentals of Business Mathematics
- Fundamentals of Business Statistics

Second Semester

- English Paper 2
- Cost and Management Accounting
- Business Communication
- Mathematics for Management
- Statistics for Management

Third Semester

- Human Resource Management
- Marketing Management
- Research Methodology
- Business Law

Fourth Semester

- Personality Development and Management Skills
- Financial Management
- Managerial Economics
- Entrepreneurship
- Basic informatics for Management

Fifth Semester

- Operational Management
- Organizational Behavior
- Open Course
- Environmental Science and Human Rights
- Intellectual Property Right and Industrial Law
- Industrial Relations

Sixth Semester

- Operational Management
- Industrial Relations
- Strategic Management
- Communication Skills and Personality Development
- Management Paper

Bachelor of Business Management (BBM)***First Semester***

- English I
- Management Methodology
- Soft skill Management
- Business Mathematics I
- Business Statistics I

Second Semester

- Financial Accounting
- Entrepreneurship Development
- Business Mathematics II
- Business Statistics II
- English II

Third Semester

- Corporate Accounting
- Corporate Laws
- Human Resource Management
- Retail Management
- Business Informatics

Fourth Semester

- Cost Accounting
- Commercial Laws
- Compensation and Performance Management
- Managerial Economics
- Computerised Accounting

Fifth Semester

- Foundations of Individual Behaviour
- Marketing Management
- Environmental Studies and Human Rights
- Financial Management
- Open course

Sixth Semester

- Group Dynamics and Organisational Change
- Goods and Services Tax
- Advertisement and Sales Management
- Production Management
- Strategic Management
- Case study Development and Analysis/ Project Report

Highlights of the Department

1. Young Entrepreneurial Talk Series (YET)

YET is a series of webinar which is conducted for the students by the famous young entrepreneurs, where they share their experience, struggles in their success journey and motivated the students to start their own ventures. MS Cinsey Babu Varghese, founder of backkeys, Ms.Dolly Neena, Managing Director of Ignist enlightenment pvt ltd are some of the young entrepreneurs who became the part of YET series

2. Catch your Dreams Series

It includes sessions for the students to prepare them for their future endeavours, helping them in preparation for placements, improving their communication skills, boosting their motivation level etc

3. Industrial Oration Series

Another innovative initiative from BBA department where the students are getting an opportunity to attend the webinars of industrial experts in relation to subjects of the course. It was first conducted in 2020. Since it is a great success, it followed in the next year named as mega industrial oration 2.0

4. “Know your Company”– Real-Time Organizational Strategy and Structural Analysis.

5. “Compare and Learn”– Review Financial Statements of various companies. (Compare between 2 or more)

6. Aid to research, prepare the cost, Battle of minds, find the fact, know your intellectual property etc are the other innovative activities conducted by the department.

Collaborators and Recruiters





DEPARTMENT OF MATHEMATICS

Undergraduate Programme

B.Sc Mathematics

Postgraduate Programme

M.Sc Mathematics

Integrated Programme

Integrated programme in Basic Sciences – Statistics

Ph D

Certificate Courses

Numerical Ability

R programming

SPSS

Contact

mathematics@alberts.edu.in

Department is named after Rev.Dr.Augustine O Konnully who was a great mathematician and philosopher acclaimed national and internationally. He was the first person to acquire Ph.D in Mathematics from the University of Kerala at the time when it was the only University in Kerala. The Department of Mathematics DST–FIST Funded from 2014 and Ranked 38th Best Science Colleges in India by The Week – Hansa Survey

Milestones

- **B.Sc Mathematics (1947)**
- **M.Sc Mathematics (1964)**
- **Ph D Programme (1998)**
- **Ph D Course Work (2012)**
- **Certificate Course on Numerical Ability (2016)**
- **M Sc Integrated Course in Basic Sciences – Statistics (2020)**

VISION

To be in the forefront in facilitating effective teaching, learning, research and consultancy in Mathematics.

MISSION

To prepare a student such that, when leaving college after completion of a course, he/she is equipped with a positive frame of mind, has basic mathematical and communication skills, should have acquired the ability to explain something logically, and above all, should have developed a balanced personality.

Why B.Sc Mathematics \ Integrated Statistics@ Albert's?

We are fortunate to be backed by a team of highly talented, dedicated and committed faculty members. With a very amiable and professional environment, our faculty members make substantial contribution to the academia through quality teaching, curriculum design, publications, conferences, etc. They are actively involved in their pursuit of creating and disseminating knowledge through teaching, research and training. The corporate and industry interactions not only provide hands-on experience but also help in placement of our students.

As a prospective student in pursuit of knowledge, you are welcome to explore the options available in the department. As a student, you can definitely expect to have an enriching experience that should propel you to make the best of the opportunities available. As a parent of a student, we assure you of a very enriching and productive time that your ward will be spending with us.

Programme Structure

B. Sc. Mathematics

First Semester

- English
- English
- Second Language
- Set Theory and Calculus – 1
- Descriptive Statistics – 1
- Physics-I

Second Semester

- English
- English
- Second Language
- Coordinate Geometry, Trigonometry and Calculus-2
- Probability theory
- Physics-II

Third Semester

- English
- Second Language
- Basic Logic, Theory of Equations and Calculus-3
- Probability Distributions
- Vector Calculus, Analytic Geometry and Abstract Algebra
- Physics-III

Fourth Semester

- English
- Second Language
- Vector Calculus, Theory of Numbers, Fourier Series and Laplace Transforms
- Statistical Inference
- Physics-IV

Fifth Semester

- Mathematical Analysis
- Ordinary Differential Equations
- Abstract Algebra
- Human Rights and Mathematics for Environmental Studies
- Applicable Mathematics

Sixth Semester

- Real Analysis
- Graph Theory and Metric Spaces
- Complex Analysis
- Linear Algebra and Cryptography
- Operations Research

Integrated Statistics**First Semester**

- Communication Skills in English
- Basic Statistics
- An Introduction to Statistical Computing Using Excel and R
- Statistical Computing Using Excel/R 1
- Computer Science – 1
- Mathematics- 1
- Lab 1

Second Semester

- Hindi / Malayalam
- Applied Statistics
- An Introduction to Probability Theory
- Demography, Vital and Official Statistics
- Mathematics- 2
- Computer Science 2
- Lab 2
- Computer Practical (Lab 1 & 2)

Third Semester

- Probability Distributions
- Statistical Computing Using Excel/R- II
- Estimation Theory
- Mathematics- III – Vector Calculus, Differential Equations and Laplace Transform
- Computer Science Iii-Web Technology
- Lab III

Fourth Semester

- English Paper II
- Introduction to Sampling Theory
- Testing of Hypothesis
- Mathematics- IV- Linear Algebra
- Computer Science IV Python Programming
- Lab 4
- Computer Practical II-(Lab 3 & Lab 4)

Fifth Semester

- Real Analysis I
- Operation Research
- Numerical Analysis
- Statistical Quality Control
- Statistical Computing Using Python

Sixth Semester

- Real Analysis II
- Complex Analysis
- Markov Processes and Queueing Models
- Actuarial Statistics
- Elective I
- Mini Project

Seventh Semester

- Probability Theory
- Theory of Bivariate and Multivariate Distributions
- Sampling Theory
- Statistical Inference I
- Design and Analysis of Experiments

Eighth Semester

- Statistical Inference II
- Stochastic Processes
- Advanced Multivariate Analysis
- Data Analytics Using R
- Elective II

Nineth Semester

- Time Series Analysis and Forecasting
- Regression Analysis And Econometrics
- Non- Parametric Inference
- Bayesian Inference
- Elective III

Tenth Semester

- Project (Major)
- Comprehensive Viva Voce (Project Based)

Highlights of the Department

Rev. Dr. Augustine O. Konnully served St. Alberts College as a Mathematics Professor during the period 1949–1983 and as Principal during 1973–78. He was a great mathematician and philosopher acclaimed nationally and internationally. He published his research papers in international journals like American Mathematical Monthly, Journal of London Mathematical Society, Academia Nazionie Dei Lincei (Italy), Beitrage Zur Algebra und Geometrie (Germany), The Journal of the Australian Mathematical Society etc. His works include “Perspective Simplexes and Tucker Quadrics”, “Isogonal Conjugates in E_n ”, “Pivot Theorems in n -Space”, An Incidence Relationship of Hypersphere in E_n , and so on. He introduced a new concept in mathematics which holds the name “Vector Multipliers”. He was the first person to acquire Ph.D in Mathematics from the University of Kerala at the time when it was the only University in Kerala.

The Post-Graduate and Research Department of Mathematics conducts Bachelor's Degree Course in Mathematics (B.Sc Mathematics), a Masters Degree Course in Mathematics (M.Sc Mathematics) with specialization in computer/mathematical programming and also an integrated programme in Basic Sciences – Statistics. The department is also an active research unit of the Mahatma Gandhi University. There are 6 full time and 7 adhoc faculty members in the department.

Collaborations

- MoU with Paravoor Block Panchayath for extension activities and adopting the villages
- MoU with Navadarsan in Data Collection and Analysis
- MoU with Kerala Mathematical Association (KMA) on Curricular Activities
- Collaboration with Pollution Control Board in sharing data and related research work
- Rajagiri College, Kakkanad



DEPARTMENT OF PHYSICS

Undergraduate Programme

B.Sc. Physics

Postgraduate Programme

M.Sc. Physics

Certificate Courses

Certificate Courses in LaTeX

Contact

physics@alberts.edu.in

Physics, which also means ‘knowledge of nature’ is a branch of natural science that is based on experiments, observations, measurements, and mathematical modeling, with these tools we are searching for the quantitative physical laws for everything in our Universe ranging from the nanoworld of the microcosmos to the planets, solar systems, and galaxies. Many of our daily life technologies and inventions that we have taken for granted now are the results of discoveries in physics. The basic laws in physics are universal, but in this current era, physics is such a vast field that many of its subfields have emerged as separate science fields.

“The study of physics is also an adventure. You will find it challenging, sometimes frustrating, occasionally painful, and often richly rewarding.” – Hugh D. Young.

The Department of Physics were established in 1947 with the inclusion of Bachelor’s degree programme in our college. The Department of Physics became a Postgraduate department in 1997 with the implementation

of the M.Sc Physics programme. On 2016 the University Grant’s Commission granted us the academic autonomy, with this we started to design our own curriculum and syllabi that nurish young minds to excel in the field and life.

We conduct various programmes for the academic enrichment of students. We implement several teaching–learning methods, such as classroom seminars, group discussions, quiz programmes, thought experiments, project work, etc. that complement the conventional lecture method. The department conducts a certified course in LaTeX. Remedial classes for the weak and enrichment programmes for advanced learners are conducted as per schedule. Tutorial assistance for every student and counselling for the needy are done regularly. Under the guidance of a faculty member students carry out a project based on the curriculum, thus promoting research culture. The Department organises regular extension programmes, that promote the moral standard of the students. The Department regularly organises seminars by experts on different advanced and relevant topics in Physics, career guidance and Personality Development.

The Department has a library of its own, that has a collection of books on various topics relevant to their curriculum. Students are also encouraged to participate in seminars, workshops and conferences both within and outside the College. They are also encouraged to do projects at different research institutes.

Milestones

- 1946 Establishment of Department.
- 1947 Under Graduate Programme started.
- 1997 Post Graduate Programme started.
- 2011 M.Sc. Space science and Technology started.
- 2014 B.Voc. Renewable Energy started
- 2019 Certificate Programme on Latex started.
- 2020 M.Voc. Renewable Energy started

VISION

"Leadership in Quality Science Education, Research & Innovation, through Teamwork, with a focus on basic scientific research and development."

MISSION

"Taking inspiration from the Eternal Teacher, Jesus Christ, we are dedicated to promoting and fostering a culture of high-quality teaching, learning and serving societal needs by encouraging, generating and promoting excellence in research and extension activities."

Why B.Sc Physics @ Albert's?

- Legacy of 75+ years
- Located in the heart of the city
- Experienced Faculty Members with academic, research, and industrial exposure.
- Theoretical learning is supplemented with the practical laboratory experience.
- Smart class rooms.
- Higher end instruments like e-Beam gun, SMUs, Impedance analyser, High Vacuum unit, Automated CSP unit etc. are installed in the department.
- Centralised Research lab accessible to students for projects.
- Support for Advanced learners and slow learners.
- Coaching for competitive exams and carrier guidance.
- Students cleared national/ international level tests and placed in prestigious institutions in and abroad.
- Good placement record.

Programme structure

B.Sc. Physics

First Semester

- English
- Malayalam/Hindi/French
- Methodology and Perspectives of Physics
- Practicals on Mechanics and Properties of Matter
- Mathematical Methods
- Basic Theoretical and Analytical Chemistry
- Practicals on Volumetric Analysis

Second Semester

- English
- Malayalam/Hindi/French
- Mechanics and Properties of Matter
- Practicals on Mechanics and Properties of Matter
- Calculus
- Basic Organic Chemistry
- Practicals on Volumetric Analysis

Third Semester

- English
- Malayalam/Hindi/French
- Optics, Laser and Fiber optics
- Practicals on Optics and Semiconductor Physics
- Vector Calculus, Analytical Geometry and Abstract Algebra
- Physicl Chemistry I

Fourth Semester

- English
- Malayalam/Hindi/French
- Semiconductor Physics
- Practicals on Optics and Semiconductor Physics
- Fourier Series, Laplace Transfrom and Complex Analysis
- Physicl Chemistry II

Fifth Semester

- Electricity and Electrodynamics
- Classical and Quantum mechanics
- Digital Electronics and Programming
- Enviornmental Physics and Human Rights
- Practicals on Electricity Magnetism and Laser
- Practicals on Digital Electronics
- Practicals on Thermal Physics, Spectroscopy and Python Programming
- Practicals on Acoustics, Photonics and Advanced Semiconductor Physics

Sixth Semester

- Thermal and Statistical Physics
- Relativity and Spectroscopy
- Nuclear, Particle Physics and Astrophysics
- Solid State Physics
- Computational Physics
- Practicals on Electricity Magnetism and Laser
- Practicals on Digital Electronics
- Practicals on Thermal Physics, Spectroscopy and Python Programming
- Practicals on Acoustics, Photonics and Advanced Semiconductor Physics
- Project and Viva voce

Highlights of the Department

- Advanced laboratory facilities with sophisticated instruments.
- Indigenously developed sophisticated material deposition and characterisation tools.
- Active research in frontier research topics.
- Research and academic collaboration with institutes and industries in and abroad.
- Opportunity to work on externally funded projects.

Collaborators and Recruiters**Collaborators**

Cosmic Ray Laboratory, Ooty, India.

Department of Space Science, Instituto de Geofisica, UNAM, Mexico City.

Department of Physics, CUSAT.

Department of Physics, University of Kerala.

Department of Physics, M. A College, Kothamangalam.

Recruiters

Sutherland

Wipro

TCS

MRF

South Indian Bank



DEPARTMENT OF RENEWABLE ENERGY

Undergraduate Programme

B. Voc. in Renewable Energy

Postgraduate Programme

M. Voc. in Renewable Energy Management

Certificate Courses

Entrepreneurship in Solar Photovoltaics

Contact

re@alberts.edu.in

The Department commenced in 2014 as an Initiative of UGC and affiliated to M.G. University, Kottayam. The B.Voc Renewable programme at St. Albert's College(Autonomous) is an interdisciplinary programme as it gives emphasis to basic physics, mathematics, renewable energy engineering technologies etc. The post graduate programme in Renewable Energy Management began in the year 2020 and it provides an opportunity to develop specialized knowledge and skills to address the present energy crisis and to design and develop renewable energy systems. The department is also offering Skill Oriented Courses with emphasis on Industry – Academia Collaboration: Hands On Training, Internships & On job Training for the students.

Milestones

- *The department of Renewable energy was established in the year 2014 with a UG programme.*
- *The PG programme started in the year 2020.*
- *The department started a certificate programme in “Entrepreneurship in Solar Photovoltaic Systems” in the year 2020.*
- *One of the Class rooms in the department was made solar powered in 2018.*
- *Students assembled solar lamps as a part of Gandhi Global Solar yatra (An initiative of IIT Bombay) on Oct 2nd, 2020 marking the 150th Birth Anniversary of Mahatma Gandhi. Students assembled LED lamps and provided them to the flood victims in Wayanad.*
- *Department won the First Prize in the Department Category of Albertian Energy Conservation award in 2020.*
- *Received Kerala State Filament Free Campus Award 2021*
- *Received Kerala State Energy Conservation Award –commendation certificate in 2022.*

VISION

To be an exemplary department in the field of renewable energy to develop an energy efficient future and to advance global collaboration in the adoption of the low carbon , renewable energy sources and technologies which provide sustainable job creation and positive economic impact.

MISSION

To impart state of the art knowledge in the field of renewable energy and sustainable development. To teach a culture of sustainable habitat through improvement in energy efficiency, promotion and coordination in renewable energy sources such as solar power , wind and biogas. Facilitate the professionals with commitment towards social and ethical values. To expand sustainable knowledge , skills and mindset that motivates individuals to become deeply committed to build a sustainable future and to make effective decisions.

Why B.Voc Renewable Energy @ Albert's?

The curriculum for B.Voc. Renewable Energy Programme has been developed with the involvement of Industry. The syllabus consists of general education components and skill components. The skill component includes core courses, project, internship, one month on-the-job-training (OJT) for students. The students of the department execute their project , major project and on the job training as part of the curriculum as internship in various renewable energy based organizations and companies.

Students, on completion of the first year and second year will be awarded a Diploma Certificate and an Advanced Diploma Certificate in B.Voc. Renewable Energy, respectively. Those who complete the third year will be awarded B. Voc. Degree in Renewable Energy. The Department also conducts various training programmes, seminars/webinars/workshops to keep the students updated about the latest developments in the field and promotes student participation in subject oriented academic conferences and workshops . The department has active MoUs with Color Guard, Albertian Institute of Science and Technology (AISAT) and Renewable Energy Promotion Industrial Co-operative Society (REPCOS)Ltd. In addition, various academic extension activities and social outreach activities are included to make the students socially committed to society. The B.Voc programme in Renewable Energy prepares the students in theoretical and practical aspects of RE technologies, Energy Conservation and Management.

Given the current climate change and scarcity of fossil fuels, the field of Energy Management offers significant challenges and opportunities. The Programme exhibits its uniqueness, fostering the much sought-after leadership skills through the Energy Management Courses. The internship training each year is a part of the Programme, which enables the students to tackle practical problems of design, development and deployment in the Industry, pursue academics, and become frontiers in research. The Programme's objective is to provide skilled human resources to meet the challenges of the energy sector.

Programme structure

B.Voc. Renewable Energy

First Semester

- English-I: Basic English Skills
- Mathematics-I
- Fundamentals of Computer
- Physics-I: Units and Measurements, Circuit Theory And Electrical Fundamentals
- Renewable Energy-I: Fundamentals of Sustainable Energy & Development
- General Physics Lab
- Computer Application Lab- MATLAB

Second Semester

- English-II: Advanced English Skills
- Mathematics-II
- Physics-II: Basic Electronics
- Renewable Energy-II: Physico-Chemical Processes for Water and Wastewater treatment
- Renewable Energy-III: Photovoltaic Module Installation
- Practical- Electronics Photovoltaic Module Installation
- Internship

Third Semester

- Environmental Education
- Physics-III: Thermodynamics and Fluid Mechanics
- Renewable Energy-IV: Novel Energy Resources
- Renewable Energy-V: Solar Thermal Technology-I
- Renewable Energy-VI: Wind Energy
- Practical- Thermodynamics & Solar Thermal Lab
- On the Job Training (OJT)

Fourth Semester

- Renewable Energy-VII: Solar Thermal Technology-II
- Material Science
- Physical Chemistry
- Renewable Energy-VIII: Solar Photovoltaic Energy Conversion-I
- Renewable Energy-IX: Energy Storage Systems
- Practical- Solar Photovoltaics Energy Storage Systems
- Practical- Fluid dynamics & Wind Energy

Fifth Semester

- Physics IV- Laser and Optical Instrumentation
- Renewable Energy X – Environment, Health and Safety in Industries
- Renewable Energy XI – Project Management
- Renewable Energy XII – Energy Conservation Techniques
- Renewable Energy XIII – Solar Photovoltaic Energy conservation II or Solar Thermal Technology III
- Practical- Advanced Solar Photovoltaic Lab
- Practical – Advanced Solar Thermal Lab I

Sixth Semester

- Physics V – Spectroscopy & Experimental Techniques
- Physics VI- Power Electronics
- Renewable Energy XIV – Fuel Cell Systems and Hydrogen
- Renewable Energy XV – Energy management and auditing
- Practical – Experimental Techniques and Power Electronics
- Internship

Highlights of the Department

- Young , dynamic, qualified and experienced faculties.
- Adequate teaching aids like white boards, LCD projectors, smart boards etc.
- Excellent infrastructure: building, space, class-rooms, laboratories and playgrounds, etc.
- Renewable energy popularization programmes.
- Energy auditing
- Student project exhibitions
- Use of design thinking
- Implementing flipped classroom model
- Energy conservations measures in classrooms and labs including awareness programmes
- Feedback system
- Blended classroom
- Collaborative assessment
- Social sensitization activities
- Activity based learning

In the field of renewable energy, the following government organizations are functioning in the nation to provide career opportunities:

- Ministry of New & Renewable Energy and the organizations working under its control
- Solar Energy Centre: This centre came into existence in the year 1982 and it is dedicated unit of this ministry for the promotion of applications of solar energy and development of solar energy through product development.
- Center for Wind Energy Technology: This autonomous organization shortly called as C-WET works under the control of the ministry with the objective of serving as the technical focal point for wind power development
- Sardar Swaran Singh National Institute of Renewable Energy: This organization shortly called as SSS-NIRE is operating from the state of Punjab and it acts as the technical focal point for development of bioenergy inclusive of synthetic fuels and biofuels
- Alternate Hydro Energy Centre: This centre came into existence in the Indian Institute of Technology located in Roorkee in the year 1982 with the sponsorship offered by the ministry. This was established with the objective of promotion of power generation through the development of small hydropower projects in different areas in concurrence with the other renewable energy sources like wind, solar, biomass, etc.

a. SOLAR THERMAL TRAINING SYSTEM

The solar thermal training system has been designed to perform experiments in both Thermosponic and Forced modes of flow. A number of experiments can be performed using the system by varying the temperature, flow rates, radiation level, wind speed , tilt angle.



b. THERMAL ENERGY STORAGE TRAINING SYSTEM

The system has been designed to perform TES related experiment by using phase changing materials (PCM). As there are several types of PCMs, the system has been designed to perform experiment with at least two PCMs separately. Provision has also been kept to examine the combine (known as cascading) effect of two PCMs in thermal energy storage.



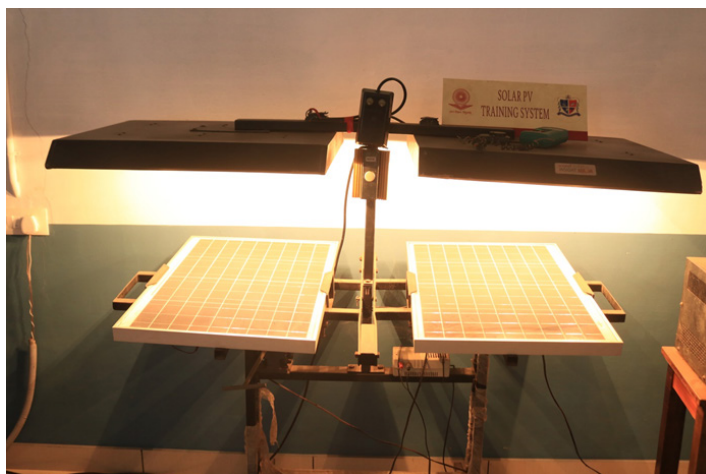
c. WIND ENERGY TRAINING SYSTEM

The wind is generated using the indoor controlled artificial wind generator or a blower. The rpm of the blower is controlled by an external variable frequency drive which is human operated. The directed wind hits the turbine which rotates the blades of the turbine. The kinetic energy of the wind is converted into mechanical energy in this phase. After achieving the sufficient wind speed, the turbine starts generating fluctuating AC power. Here the mechanical energy is converted into electric energy by a generator in this phase. The generated electric energy is highly variable in terms of amplitude and frequency.



d. SOLAR PV TRAINING SYSTEM

Solar PV Training system is a compact miniaturised version of an actual Solar PV standalone power plant. The system enables user to study wiring and interconnections of different components involved in the system to develop basic understanding of working and operation of a Standalone PV system



- Industrial Visits and Field Visits

B.Voc Renewable Energy students have to furnish a sufficient number of industrial visits and field visits as part of their project-internship. Students of B.Voc Renewable Energy visits CIAL, EMC, wind mill installations, hydropower projects, etc.







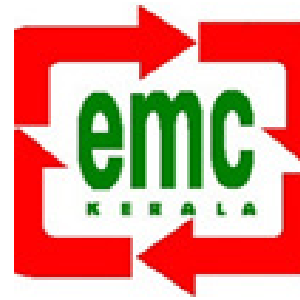
Collaborators & Recruiters

The department is having collaborations with various government / non government firms and industries through which the skill development is implemented in an efficient manner. The students are doing their internships and job training in these organizations.

The department conducts placement drives every year in collaboration with various renewable energy related organizations and companies. Students can also go for direct recruitment in these firms.

The B.Voc students of the department got placed in various renewable energy based organizations over the past 6 years.







DEPARTMENT OF RETAIL MANAGEMENT

Undergraduate Programme

B.Voc. Retail Management

Contact

retail@alberts.edu.in

The Department of Retail Management of St. Albert's College (Autonomous) started its functioning in the year 2019. The department offers three-year vocational degree course in Retail Management, affiliated to Mahatma Gandhi University, Kottayam. Retail Management is a sub-discipline of the general field of management that deals with overseeing the distribution and selling of products directly to the consumers in specific vending points such as shops, chain stores, markets and malls. It improves the quality and diversity of students at intake level. B. Voc Retail Management is a work integrated degree programme which enhance the culture of entrepreneurship and more focused on providing skills necessary to manage retail activities. Since its establishment the primary objective of the department has been to develop students into competent and successful entry level management professionals. Today's organizations are operating in a complex and dynamic environment where there is a constant demand for young talented professionals. To work in such challenging environment our students are equipped with knowledge in marketing, strategy, operations and people management skills by the faculty members of the department. A platform for hands on training in the form of internship and on-the-job training in various organizations help the students to apply their theoretical knowledge and prepare them to face challenges of job market.

Milestones

- » The Department came into existence in 2019, with the inception of the three-year vocational degree course in Retail Management
- » On 1st February 2020, The Department signed an MOU with Mfg Kollannur Industries India.

VISION

The vision of the department is to provide quality oriented teaching that may bring out the potentiality of the students and thereby become a leading provider of retail related education, supporting the growth of country's retail industry.

MISSION

The mission of the department of Retail Management is to become an agent for providing quality educational services and training programmes to develop competent and quality human resource for Retail industries.

Why Retail Management @ Albert's?

The Department of Retail management started in the year 2019 and since then we have been enriching young minds to meet the challenges of the industry of retail management. The department promotes and approach of student-centered teaching, supported by ICT channelized through seminars, presentations, projects, assignments. We provide stimulating learning environment with skilled orientation across the whole curriculum, which maximizes individual potential and ensures students of varying abilities to be well equipped to meet the challenges of education, work and life. The central focus of our mission is to generate highly skilled and competent professionals by providing quality education and training students to effectively apply education to make their signature in the world.

Programme Structure

The curriculum of the UG program would be a suitable mix of general education and skill development components which are designed for specific job roles in the Retail sectors, Entrepreneurship, Management.

First Semester

- Basic English skill for business
- Business Mathematics & Statistics
- Principles of Management
- Fundamentals of Marketing
- Introduction to Retail Management
- Computer Skills for Business
- OJT

Second Semester

- Advanced English Skills for Business
- Business Economics
- Organizational Behavior
- Consumer Behavior
- Integrated Marketing Communication
- Internship 1

Third Semester

- Environment Science
- Accounting and Costing in Retail Management
- Human Resource management in Retail
- Merchandise Buying & Management
- Retail Promotion and Branding
- Store location, site selection and positioning
- OJT

Fourth Semester

- Business Entrepreneurship
- Business ethics & global business management
- Operations Management
- Customer Service & Selling Skills
- Store Design and Layout
- Internship 2 – Organizational Study, Reporting and Viva Voce

Fifth Semester

- E-Commerce & E-Tailing
- Research Methodology
- International Business & Retailing
- Finance Management in Retail
- Introduction to supply chain management
- Storekeeping and Warehousing
- OJT

Sixth Semester

- Business Law
- Strategic Management
- Corporate Readiness Program
- Mall Management
- Management Information System
- Internship with Project-III

Highlights of the Department

- **Organization Visit**

To increase learning capabilities and skill development students visit various retail related organisations in Kerala as part of data collection.

- **Field Visit**

As part of the curriculum, students visit different retail industries in every academic year and submit their report.

- **Industrial visit**

Industrial visits seem to present networking opportunities for the students with the company's HR, thereby increasing the opportunities for internships, placements, etc., for students. The domain wisdom and practical outlook towards the industry & requisite skills for the industry is also known to the students.

- **Internship and OJT**

As it is an industry-oriented program student will get an opportunity to pursue their internship and on-the-job training at major organizations in the Retail Industry such as inbound and outbound supermarkets, retail store, department stores, warehouse etc to gain real-world experience.

- **Social outreach program**

The department is committed to carving out a generation who would take an active role in academic and social activities. The department conducted a Heritage site cleaning campaign at Fort Kochi to promote awareness among students and people about the need of environmental protection and sustainability.

Distribute midday lunches to people in need who are alone and sitting in the streets. It will support students' development of a giving and sharing mentality.

- **Skill Development Sessions**

Seminars and workshops are conducted with the participation of eminent persons from different fields in the retail industry for the skill development of the students.

Collaborators and Recruiters

The curriculum of the UG program would be a suitable mix of general education and skill development components which are designed for specific job roles in the Retail sectors, Entrepreneurship, Management.





DEPARTMENT OF SOCIAL WORK

Undergraduate Degree Programme

B. Voc Medical and Psychiatric Social Work

Postgraduate Programme

Master of Social Work

Specializations in MSW

Medical and Psychiatric Social Work
Family and Child Welfare
Community Development

Contact

msw@alberts.edu.in

The Department of Social Work, St. Albert's College (Autonomous) was started in the year of 2015. Since its inception, the Department is privileged to host many socially relevant and committed programmes. The MSW Programme offers 3 specializations which include Medical and Psychiatric Social Work, Family and Child Welfare and Community Development.

Milestones

2015: MSW Programme started

2016: Introduced a programme called "SAVE": St. Albert's Voluntary Executives for Social Welfare

2019: Leading social work activities in college with the collaboration of 22 other departments

2020: B.Voc MPSW Programme started

2021: MSW B Batch started

VISION

To build a socially just society by strengthening human relationships and promoting the values of equality, diversity, inclusiveness, democracy, and concern for human welfare through academic excellence.

MISSION

To engage in collaborative learning, research, community initiatives, disseminating knowledge, which embraces the values of social inclusion thereby enhancing the quality of life with whom we collaborate and interact.

Why MPSW @ Albert's?

- Courses relevant to the Industry and Society
- Updated Contemporary Curriculum
- Qualified Faculty Members
- Meaningful Internships in all Semesters
- Significant Certificate Programmes
- National and International Collaborations and Opportunities
- Transactional Pedagogies
- Keeping in Pace with the Changing World
- Global Engagement
- In-Depth Community Involvement
- Technology-Driven Pedagogy
- Competency-Based Training
- International Seminars and Workshops



Programme Structure

First Semester

- Basic English Skills for Social Work (ENG1)
- Statistics (SAT)
- Introduction to Social Work (ISW)
- Introduction to Medical Social Workers (IMSW)
- Principles of Management and Hospital Administration (PMHA)
- Computer Skills for Social Work (COMP)
- OJT

Second Semester

- Advanced English Skills (ENG2)
- Sociology (SOC)
- General Psychology (GPSY)
- Working with Individuals
- Medical Terminology & Procedures (MTP)
- Internship

Third Semester

- Environment Science and Human Rights (ESHR)
- Developmental Psychology (DPSY)
- Human Resource Management (HRM)
- Working with Groups (WWG)
- Health Psychology (HPSY)
- Counseling and Psychotherapy (COUN)
- OJT

Fourth Semester

- Social Entrepreneurship (SE)
- Abnormal Psychology (APSY)
- Organizational Behaviour (OB)
- Project Planning & CSR (PPCSR)
- Working with Community and Social Action (WWCSA)
- Internship – Organizational Study, Reporting and Viva Voice

Fifth Semester

- Community Health (CH)
- Research Methodology (RM)
- Accounting For Social Workers (ACSW)
- Psychosocial Rehabilitation (PR)
- Clinical Assessment and Diagnosis of Psychiatric Disorders (CADPD)
- Health Communication and First Aid (HCFA)
- OJT

Sixth Semester

- Disaster Management
- Legal Framework for Hospitals & Medical Ethics (LFHME)
- Corporate Readiness Program (CRP)
- Palliative Care Social Work (PCSW)
- Psychosocial Counseling for Special Groups (PCSG)
- Internship with Project

Highlights of the Department**1. Community Development Activities:**

The Department of Social Work undertakes extensive community development activities ranging from baseline data collection to research based interventions. The community development programmes are mainly focussed in the suburban villages especially in Edavanakad, Elamkunnappuzha, Ezhikkara, Nayarambalam, Kadamakudy and Kottuvally. The major activities include Women Empowerment, Child Care, Environmental Protection Activities, Medical Care, Elderly Care etc.

2. Extension Activities: SAVE (St. Albert's Voluntary Executives for Social Welfare) SAVE Programme is a Social Outreach Programme proposed and guided by the Department of Social Work in which the entire first year students of St. Albert's College (Autonomous) are involved. The students of different Departments are mixed together to form a SAVE group who visit various NGOs, care institutions and interact with the inmates and present cultural activities. The focus is to create a Social Work attitude among the students in St. Albert's College (Autonomous).

3. A Meaningful Day in Kochi: It is an innovative programme in which students have to visit the city of Kochi especially places such as markets, hospitals, parks, public offices and interact with people. It is a one day exclusive field experience programme from 8 am to 8 pm to observe and understand the people in various walks of life. The programme is conducted in the first week of the 1st semester. It provides immense opportunities for the Social Work trainees to explore the realistic views of life.

4. Know your Neighbourhood: The programme dedicated to understand the one's own locality. The programme has an objective to introduce the students to his/her locality as a social work trainee, which will help to increase the self-esteem and will eventually lead him/her to accept oneself as the true champion of social work values.

5. Elderly Care Activities: The students of the Department are keenly interested in the welfare of the elderly and engage in elderly care activities during their field work practicum. It enables the students to have a deep, motivated empathy towards elderly persons and enable them to have a meaningful presence in the community.

6. Child Care Activities: The Department of Social Work has invested a lot of time to enable the MPSW students to deal with the challenges of child care. The Department has associated itself with Childline to advocate for child rights through street plays, Awareness Programmes, volunteering and counselling. The students have a concurrent field work of 3 months in Lower and Upper Primary Aided Schools to understand child issues and students are encouraged to involve in empowerment activities and Anti-Drug activities as well as create awareness against sexual harassments.

7. Rural Camps: Rural camps are an essential part of the Social Work Programme. It helps the Social Work student to understand rural life by living with them for a week. The facilities provided to the students are minimum and they have to understand the rural way of living by engaging in manual labour, house visits, group interactions and cultural programmes.

Certificate Programmes and Add on Courses

- | | |
|---|-----------------------------------|
| 1. Social Project Design and Implementation | 10. First Aid Management |
| 2. NGO Formation and Administration | 11. Street Theatre |
| 3. Counselling and Psycho Therapy | 12. PRA |
| 4. Transactional Analysis | 13. SPSS |
| 5. Social Auditing | 14. Tally |
| 6. Social Entrepreneurship | 15. Basic Accounting |
| 7. Social Legal Action | 16. MS Office |
| 8. Community based Environment Protection | 17. Environment Impact Assessment |
| 9. Presentation skills for Social Workers | 18. Project Proposal |

Collaborators and Recruiters

- National Institute of Mental Health and Neuro Science (NIMHANS), Bangalore.
- Institute of Mental Health & Neuro Sciences (IMHANS).
- St. Johns Medical College, Bangalore.
- Government Mental Health Centre, Kuthiravattom.
- Childline, Cochin.
- BREADS, Bangalore.
- Hindustan Latex Limited (HLL).
- Ernakulam Social Service Society (ESSS).
- Alzheimer's and related diseases (ARDSI).
- Suhruth.
- Attapadi Adivasi Development Initiatives (AADI).
- Butterflies India.
- BOSCO, Bangalore.
- Child Rights and You (CRY).
- Thompson Rivers University
- University of Mary
- Binary university
- Katho NRW
- Stiftungshochschule München University of Applied Sciences
- UCO Angers Universite catholique De Louset





DEPARTMENT OF TRAVEL AND TOURISM

Undergraduate Degree Programme

B. Voc Travel and Tourism

Contact

tourism@alberts.edu.in

The department of Travel and Tourism of St. Albert's college started functioning in the year 2019. The department offers a three-year vocational degree course in Travel and Tourism, affiliated with Mahatma Gandhi University, Kottayam. Tourism is one of the fastest-growing industries and has attained increasing recognition as a crucial sector with enormous potential for generating employment. B.Voc. Travel and Tourism is a work-integrated degree program that is more focused on providing industry-related skills to the students so that they can get better opportunities. Students of the department play a prominent role in organizing innovative events and programs. A platform for hands-on training in the form of internship and on-the-job training in various organization help students to apply their theoretical knowledge and prepare them to face challenges of the job market.

Milestones

- *The Department came into existence in 2019, with the inception of the three-year vocational degree course in Travel and Tourism*
- *On 2nd November 2020, The Department signed an MOU with Harbour Hotels, North Paravur*
- *On 28th November 2020, The Department signed an MOU with Paradise Holidays, Aluva*
- *The official launch of the department Logo was held on 29 January 2021 in the presence of Shri. Rupesh Kumar K (RT Mission coordinator, Government of Kerala)*
- *The first travelogue magazine of the department – 'Fernweh' was launched on World Tourism Day 2021 which was inaugurated by Shri. Adv. P.A. Mohammed Riyas, Honorable Minister of Kerala (Dept of Public works & tourism)*

VISION

The vision of the department is to provide quality oriented teaching that may bring out the potentiality of the students and thereby become a leading provider of tourism related education, supporting the growth of country's tourism industry.

MISSION

The mission of the department of Travel and Tourism is to become an agent for providing quality educational services and training programmes to develop competent and quality human resource for Travel and Tourism industry, taking into account of the present and futuristic requirements of the tourism sector.

Why Travel and Tourism Programme @Albert's?

Tourism as an industry is developed and influences the economy and society locally, nationally and globally. This is an industry cover several types of career from service to executive position in many different sectors such as planning events for travelers, operating tours, booking travel arrangements and hospitality management. As it is a practice-oriented field so it required more and more skilled workers and innovators every year. Department envisages developing tourism professionals with a broad range of applied, technical and interpersonal skills through innovative curriculum and the effective use of the latest technological advancements. It also exposes the students to the current practices in the industry through mandatory internship training. Department provides innovative teaching-learning activities needed to prepare individuals for effective job performance in the hospitality, tourism and entertainment industries, in such a way offering in-depth knowledge of the Industry. Qualified and dedicated faculties with decades of industry experience and academic excellence are an added advantage of the department.

Programme Structure

The curriculum of the UG program would be a suitable mix of general education and skill development components which are designed for specific job roles in the Tourism, Travel, and Hospitality industries.

First Semester

- Basic English Skills for Business
- Communicative Hindi/French*/German*
- Business Mathematics & Statistics
- Tourism Products of India and Travel Geography
- Principles of Management
- Computer Skills for Business
- On the Job Training (02 weeks)

Second Semester

- Advanced English Skills for Business
- Communicative Hindi/French*/German* I
- Business Economics
- Organization of Indian & Global Tourism Industry
- Front Office Management & Selling Etiquette
- Internship 1 (04 weeks)

Third Semester

- Human Resource Management in Tourism
- Accounting and Costing in Tourism
- Environment Science and Human Rights
- Tourism Guiding Skills & Agency Management
- Hospitality Management
- Principles and Practices in Travel & Tourism
- On the Job Training (02 weeks)

Fourth Semester

- Business Entrepreneurship
- Business ethics & global business management
- Operations Management
- Fundamentals of Marketing Management
- Airline & Cargo Management
- Internship 2 (04 weeks)

Fifth Semester

- E-Tourism & Eco-Tourism
- Research Methodology
- Sustainable Tourism
- Finance Management in Tourism
- CRM in Tourism Business
- MICE Tourism
- Study Tour Report
- On the Job Training (02 weeks)

Sixth Semester

- Business Law
- Event Management
- Corporate Readiness Program
- Tourism Planning & Development
- Management Information Systems
- Internship with Project- 3 (04 weeks)

Highlights of the Department

• Organization Visit

To increase learning capabilities, students visit various tourism related organisations in Kerala as part of data collection.

• Field Visit

As part of the curriculum, students visit different tourist destinations in every academic year and submit the report.

• Study Tour

A national tour lasting for one to two weeks is included in the fifth semester to enable the students to get a thorough knowledge of the important tourism destinations in India

• Internship and OJT

As it is an industry-oriented program student will get an opportunity to pursue their internship and on-the-job training at major organizations in the Travel and Tourism Industry such as inbound and outbound tour operation companies, travel agencies, hotels and resorts, event management etc to gain real-world experience.

• Social outreach program

The department is committed to carving out a generation who would take an active role in academic and social activities. The department conducted a Heritage site cleaning campaign at Fort Kochi to promote awareness among students and people about the need of environmental protection and sustainability.

• Skill Development Sessions

Seminars and workshops are conducted with the participation of eminent persons from different fields in the tourism industry for the skill development of the students.

Collaborators and Recruiters





DEPARTMENT OF ZOOLOGY

Undergraduate Degree Programme

B.Sc Zoology

Postgraduate Degree Programme

M.Sc Zoology

Ph.D

Certificate Courses

Basic Microbial Techniques

Contact

zoology@alberts.edu.in

Being a gateway to the diverse areas of modern biology, the Zoology Department emphasizes critical thinking and conceptual skills that come from an understanding of how scientific information is obtained and evaluated and of how this information can be applied to societal issues. The Department of Zoology started functioning as a collegiate department in 1947, in one years after the inception of St. Albert's College as a second-grade college in 1946.

A central theme that stitches together the diverse group of faculty and students in our department is a shared value in promoting research and teaching that integrates knowledge and understanding across levels and scales of Zoology. We are interested in the intersections and integration of biological processes across levels. We view this vertical integration as central to our identity. Our research spans the frontier areas of life sciences including Toxicology, Genomics, Physiology, Ecology, Systematics, and Medical Microbiology. The Department also provides a precise platform for the students for collaborations with various recognized research institutions.

Milestones

- 1947 – Year of Establishment and Commencement of UG programme – B.Sc Zoology
- 1992 – Prof. Joseph Leslie Nedungadan of Zoology department appointed as the eighth Principal
- 1995 – First department to establish a job oriented UG programme – B.Sc Aquaculture
- 2002 – Designed the curriculum for M.Sc Zoology with Medical Microbiology and started the course for the first time in Mahatma Gandhi University.
- 2007 – Recognized by Mahatma Gandhi University [MGU] as a Research Centre in Zoology.
- 2012 – Prof. Harry Cleetus of Zoology department appointed as the fifteenth Principal.
- 2012 – One among the first departments to receive 5 year funds under the DBT Star College Scheme

- 2016 – Dr. M.L. Joseph of Zoology department appointed as the sixteenth Principal.
- 2016 – Dr. Vincent Terrence Rebello became the first Dean (Academics) after getting autonomy to the college.
- 2016 – Prof. K. J. Benny became the first CoE after getting autonomy to the college.
- 2016 – Dr. Asha Raj become first doctoral student of this department to get Ph.D. in Zoology from MGU.
- 2019 – Recognized by Kerala University of Fisheries and Ocean Studies [KUFOS] as a Research Centre in Microbiology.
- 2019 – Certificate course started in ‘Basic Microbial Techniques’

VISION

- ***To inculcate an awareness to explore, understand and conserve animal diversity.***
- ***To strengthen the teaching-learning process through innovative practices, the Department will stimulate the spirit of scientific enquiry and discovery in academics.***

MISSION

- ***To involve the department in community-based and outreach activities, whenever and wherever possible.***
- ***Encourage the students to mould passion into profession.***

Why B.Sc Zoology @ Albert's?

The programme integrates biological knowledge to allied disciplines and inculcates interest in biodiversity, various ecosystems, its interactions and laws governing their conservation. Intellectual competency with innovative ideas and research aptitude enhanced with specialization in microbiology can avail career opportunities in higher education, scientific projects, health care, environmental and industrial organizations. The Department offers certificate programme and this will add more value to the student's profile. A strong and long teacher-student relationship helps the teachers to meet the individual student needs and this indeed ensures the students to excel in their career and also a successful future.

Programme Structure

B.Sc. Zoology

First Semester

- Common course I – English
- Common course II – English
- Common course – Malayalam/Hindi/ French
- Animal Diversity–Non–Chordata (T)
- Animal Diversity–Non–Chordata (P)
- Complementary course 1 – Chemistry (T)
- Complementary course 1 – Chemistry (P)
- Complementary course II – Botany (T)
- Complementary course II – Botany (P)

Second Semester

- Common course 1 – English
- Common course II – English
- Common course – Malayalam/Hindi/ French
- Animal Diversity–Chordata (T)
- Animal Diversity– Chordata (P)
- Complementary course 1 – Chemistry (T)
- Complementary course 1 – Chemistry (P)
- Complementary course II – Botany (T)
- Complementary course II – Botany (P)

Third Semester

- Common course 1 – English
- Common course – Malayalam/Hindi/ French
- Comparative Anatomy of Vertebrates (T)
- Comparative Anatomy of Vertebrates (P)
- Complementary course 1 – Chemistry (T)
- Complementary course 1 – Chemistry (P)
- Complementary course II – Botany (T)
- Complementary course II – Botany (P)

Fourth Semester

- Common course 1– English
- Common course – Malayalam/Hindi/ French
- Research methodology, Biophysics and Biostatistics. (T)
- Research methodology, Biophysics and Biostatistics. (P)
- Complementary course 1 – Chemistry (T)
- Complementary course 1 – Chemistry (P)
- Complementary course II – Botany (T)
- Complementary course II – Botany (P)

Fifth Semester

- Environmental Biology and Human Rights (T)
- Cell Biology and Genetics. (T)
- Evolution, Ethology and Zoogeography (T)
- Physiology, Biochemistry and Endocrinology. (T)
- OPEN COURSE (T)
- Environmental Biology and Human Rights (P)
- Cell Biology and Genetics. (P)
- Evolution, Ethology and Zoogeography (P)
- Physiology, Biochemistry and Endocrinology. (P)
- Field Visit

Sixth Semester

- Developmental Biology (T)
- Microbiology and Immunology (T)
- Biotechnology, Bioinformatics and Molecular Biology. (T)
- Occupational Zoology. (T)
- Elective: Nutrition, Health & life style management (T)
- Developmental Biology (P)
- Microbiology and Immunology (P)
- Biotechnology, Bioinformatics and Molecular Biology. (P)
- Occupational Zoology. (P)
- PROJECT and VIVA

Highlights of the Department

The Department have Classrooms and laboratories with ICT facility and well-equipped laboratories including Wet lab, Biochemistry & Physiology lab and Microbiology laboratory for performing experiments in Environmental Science, Molecular Biology, Biochemistry, Physiology and Microbiology. Department has a well-equipped instrumentation room. Facilities include ultracentrifuge, microtome, spectrophotometers, laminar flow hood, incubator, autoclave, hot air oven, spectrophotometer, centrifuges, binocular microscopes and electronic balances.

Since the department's establishment, the museum has kept a large collection of preserved indigenous and exotic animal species. This museum has a large collection of scientifically important zoological specimens and materials, all of which are well-labelled, categorised, and displayed in Museum Display Cabinets. The collection includes Invertebrates belonging to Porifera, Cnidaria, Platyhelminthes, Nematelminthes, Annelida, Echinodermata, Mollusca and Arthropoda. There are more than 100 Vertebrate specimens that include fishes, reptiles, birds and mammals. A Well-maintained osteology section includes Skeleton of Whale, Man, Snake, fish and Amphibians. There is a repository of slides pertaining to histology, cytology, invertebrates, whole mounts, sections and larvae, frog and chick embryology.

Collaborators & Recruiters

Students are encouraged to do field-based projects in animal diversity and ecology studies in collaboration with state and National Institutes like KFRI, Thattekad Bird Sanctuary, Kannur Kandal Project, Wild life Trust of India etc.

The Department has MoUs with OmicsGen Life Sciences Pvt.Ltd. Thrikkakara, P.O, Kochi, Kerala 682021, Unibiosys Biotech Research Labs, South Kalamassery, Kochi, Kerala 682022 and with PVT Meritbio Lab, Palarivattom, Vennala, Kochi, Kerala 682028.

Eligibility for Admission

Academic eligibility should be satisfied as on the last date of submission of academic data. In the case of candidates who have passed examinations of other Boards/Institutes/Governments, except CBSE/CISCE, they shall be admitted only if these examinations have been declared equivalent to the qualifying examinations of MG University.

If an applicant for admission is found to have indulged in ragging in the past or if it is noticed later that he/she had indulged in ragging, admissions shall be denied or he/she shall be expelled from the college. Candidate possessing a good Conduct Certificate will only be admitted.

No candidate shall be admitted to the degree programme unless he/she possess the qualifications and minimum requirements thereof.

There is no age limit for applying to various UG programmes conducted in college.

Programmes of Study

The following are the Programmes of study offered in the college and the stipulated eligibility criteria for admission to each of the Programmes. Candidates are asked to read the eligibility criteria carefully before completing the application form.

Three year UG Programme under Choice Based Credit System

A. Bachelor of Arts

No	Course	Complementary
1	B.A. Economics (Model I)	History & Political Science
2	B.A. English (Model I)	Politics & Evolution of Literary Movements
3	B.A. English Literature, Communication and Journalism (Triple Main) (SF) (Model III)	

Eligibility: Admission to all B. A. Degree Programme under the faculties of Language & Literature and Social Sciences shall be open only to candidates who have passed Plus Two or equivalent examination or an examination recognized by Mahatma Gandhi University, Kottayam as equivalent thereto.

B. Bachelor of Commerce

No	Course	Complementary
1	B.Com. Finance and Taxation (Model I)	Banking & Insurance Principles of Business Decisions
2	B.Com. Finance and Taxation (SF) (Model I)	
3	B.Com. Computer Application Taxation (SF) (Model I)	
4	B. Com. Co-operation (SF) (Model I)	

Eligibility: Admission to the B.Com Degree Programmes shall be open only to candidates who have passed the Plus Two or equivalent examination recognized by M G University, Kottayam with Book-Keeping and Accountancy and any two of the following subjects, viz., (1) Commerce (2) Commercial Correspondence and Commercial Geography (3) Economics (4) Life Insurance with Salesmanship (5) Banking with Secretarial Practice (6) Business Studies (7) Mathematics (8) Computer Science/ Computer applications (9) Informatics Practice & Management, (10) Informatics Practice, (11) Management, (12) Accountancy as optional under Part III of the Examination.

OR

Have passed Plus Two or equivalent examination recognized by M G University, Kottayam with other subjects under Part III optional subjects, provided they have secured 45% of the aggregate marks.

Relaxation of Marks:

For SC/ST applicants and ST applicants of Lakshadweep, only a pass minimum is required and for SEBC and OEC applicants 3% and 5% relaxation of marks respectively are allowed.

C. Bachelor of Science

No	Course	Complementary
1	B.Sc. Mathematics (Model I)	Statistics & Physics

Eligibility : Candidates shall be required to have passed the Plus Two/equivalent examination recognized by MG University with Mathematics as one of the optional subjects or Mathematics as one of the subjects in Commerce group.

No	Course	Complementary
2	B.Sc. Physics (Model I)	Mathematics & Chemistry

Eligibility : Candidates shall be required to have passed the Plus Two/equivalent examination recognized by MG University with Physics as one of the optional subjects at Plus Two level.

3	B.Sc. Chemistry (Model I)	Mathematics & Physics
4	B.Sc. Industrial Chemistry (Model II)	Mathematics & Industrial Chemistry

Eligibility : Candidates shall be required to have passed the Plus Two/equivalent examination recognized by MG University with Chemistry as one of the optional subjects at Plus Two level.

5	B.Sc. Botany (Model I)	Chemistry & Zoology
6	B.Sc. Zoology (Model I)	Chemistry & Botany

Eligibility : Candidates shall be required to have passed Plus Two/equivalent examination recognized by MG University with Biology, as one of the optional subjects, at Plus Two level.

7	B.Sc. Aquaculture (Model I)	Biochemistry & Zoology
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Eligibility : Candidates shall be required to have passed the Plus Two/equivalent examination recognized by MG University with Biology, Physics and Chemistry as optional.

8	B.Sc. Industrial Fisheries (SF)	Biochemistry & Zoology
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Eligibility : Candidates shall be required to have passed the Plus Two/equivalent examination recognized by MG University with Physics / Chemistry or Biology as main subjects

9	B.Sc. Computer Science (SF)	Mathematics & Electronics
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Eligibility : Candidates shall be required to have passed the Plus Two/equivalent examination recognized by MG University in Science stream with Mathematics / Computer Science as compulsory subject.

D. Bachelor of Vocational Studies

No	Course	General Component	Skill Component
1.	B.Voc. Renewable Energy (SF)	Mathematics, Physics & Chemistry	Renewable Energy

Eligibility : Candidates should have passed the Plus Two/equivalent examination with Physics as one of the optional subjects at Plus Two level, recognized by MG University.

No	Course	General Component	Skill Component
2.	B.Voc. Logistics Management (SF)	Mathematics, Statistics, IT & Entrepreneurship Development	Logistics Management
3.	B.Voc. Retail Management (SF)	Mathematics, Statistics, IT & Marketing	Retail Management
4.	B.Voc. Travel and Tourism (SF)	Mathematics, Economics & IT	Travel and Tourism
5.	B.Voc. Fitness Management and Personal Training (SF)	Entrepreneurship Development & Health	Fitness Management
6.	B.Voc. Professional Accounting and Taxation (SF)	Mathematics, Finance & Entrepreneurship	Professional Accounting
7.	B. Voc. Journalism and Mass Communication (SF)	English	Journalism & mass Communication
8.	B. Voc. Medical and Psychiatric Social Work (SF)	Psychology & Social Work	Counselling

Eligibility : Candidates shall be required to have passed the Plus Two /equivalent examination recognized by the Mahatma Gandhi University, Kottayam

No	Course	General Component	Skill Component
9.	B. Voc. Sports Nutrition and Physiotherapy (SF)	Anatomy & Physiology	Nutrition & Physiotherapy

Eligibility : Candidates shall be required to have passed the Plus Two /equivalent examination with any Science Subject as one of the optional subject at plus two level, recognized by the Mahatma Gandhi University, Kottayam

No	Course	General Component	Skill Component
10.	B. Voc. Commercial Aquaculture (SF)	Environmental Studies & Business Entrepreneurship	Aquaculture & Fish Processing
11.	B.Voc. Fish Post Harvest Technology and Management (SF)	Environmental Studies & Business Entrepreneurship	Aquaculture & Fish Processing

Eligibility : Candidates shall be required to have passed Plus Two or equivalent examination with Biology, as one of the optional subjects, at Plus Two level recognized by the Mahatma Gandhi University, Kottayam.

No	Course	General Component	Skill Component
12.	B.Voc. Software Development (SF)	Linux, Entrepreneurship, Business Ethics & Testing	Software Development

Eligibility : Candidates shall be required to have passed the Plus Two/equivalent examination recognized by the Mahatma Gandhi University, Kottayam with Mathematics/Computer Science/Information Technology/Information Practices/Computer Application/Statistics as optional subjects.

E. Bachelor of Business Administration/Management

No	Course	Complementary
1	B.B.A. (SF)	Business Mathematics & Business Statistics

Eligibility : Candidate shall be required to have passed Plus Two or equivalent examination or an examination recognized as equivalent there to by Mahatma Gandhi University, Kottayam

No	Course	Complementary
1	B.B.M. (SF)	Business Mathematics & Business Statistics

Eligibility : Candidate shall be required to have passed Plus Two or equivalent examination with not less than 50% marks in aggregate, recognized by the Mahatma Gandhi University, Kottayam.

F. Master of Science

No	Course	Complementary
1.	Integrated Programme in Basic Sciences - Statistics	Mathematics & Computer Science

Eligibility : Candidates shall be required to have passed the Plus Two/equivalent examination with Mathematics as one of the optional subjects at Plus Two level, recognized by the Mahatma Gandhi University, Kottayam.

Seat Classification

Aided Stream

Seats available in the college under aided streams are mainly classified as Merit seats [80%] (General Quota seats and Seats earmarked for Latin Community, SC/ST candidates) and Management seats [20%].

Category	Percentage
General Merit	40%
SC/ST	15%/5%
Latin Community	20%
Management	20%

Self-financing Stream

Details of seats available under the self-finance stream

Category	Percentage
General Merit	50%
Management	50%

Distribution of 50% seats ear marked under Merit category

Category	Percentage
Open Quota	65%
Scheduled Caste	8%
Scheduled Tribe	2%
Ezhava, Thiyya & Billava	9%

Category	Percentage
Muslims	8%
Other Backward Christians	1%
Latin Catholics other than Anglo Indians	2%
Other Backward Hindus	5%

Types of Reservation

St. Albert's College(Autonomous), Ernakulam provides reservation of seats for the following categories.

- Reservation for International Students
- Reservation for nominees
- Reservation for Persons with Disabilities
- Reservation of Seats for Malayalee students from Andaman & Nicobar Islands
- Reservation for Transgender candidates
- Special Reservation and
- Mandatory Reservation

i. Reservation for International Students

10% additional seats shall be reserved for all Programmes in St. Albert's College (Autonomous) over and above the sanctioned strength and will be added to the total merit seats exclusively for the purpose of accommodating international students. The students who seek admission in this category should contact the Dean, International Affairs (ia@alberts.edu.in)

ii. Reservation for Nominees:

An additional seat for each programme shall be created exclusively for the purpose of accommodating students sponsored by the Union Territory of Lakshadweep. (U.O. No. Ac.AI/3/2761/06 dated 20.7.2006).

iii. Reservation for Persons with Disabilities (PWD)

- 5% seats of the sanctioned strength shall be created over and above in St. Albert's College (Autonomous) exclusively for candidates with benchmark disability (as per clause 32 (I) of chapter VI, The Rights of Persons with Disabilities Act, 2016). If candidates are not available in a particular category, the seats shall not be filled from any other categories.
- 'Person with disability' means a person suffering from not less than 40% of any disability as certified by a Medical Board constituted for this purpose. Candidates who have a minimum of 40% disability alone will be eligible for this quota. A relaxation of 5% of marks in the qualifying examination from the prescribed minimum is allowed.
- Candidates seeking admission under Differently Abled category should submit the "Certificate of disability", issued not earlier than 5 years prior to the submission of application, by the District Medical Board or bodies of higher status, certifying the degree of percentage of disability. The Permanent Disability Card issued by the State Government is also considered. The permanent disability card has a lifelong validity when issued to a disabled person – above the age of 18 years. For disabled children below 18 years of age, the card is required to be updated once in every five years. Based on the details furnished in the online application, candidates will be provisionally included under the "Differently Abled" category.
- Candidates seeking admission under PD category should upload with their application form, an attested copy of the 'Certificate of disability' issued by a District Medical Board or bodies of higher status, certifying the degree or percentage of disability.

The selection of candidates under this category will be based on the rank in the inter-se-merit list and not on the basis of the Degree of disability.

No reservation of seats is allowed for Blind candidates for Programmes which come under the Faculties of Science/Technology & Applied Sciences.

iv. Reservation of Seats for Malayalee students from Andaman & Nicobar Islands:

An additional seat for each programme shall be created exclusively for the purpose of Malayalee students from Andaman & Nicobar Islands. This seat shall not be filled up by other candidates (U.O. No. 6199/AI/2016/Acad dated 23.11.2016). Such applicants should apply online.

v. Reservation for Transgender candidates

Two seats shall be created over and above the sanctioned strength in all Programmes in affiliated Arts & Science Colleges exclusively for admitting Transgender students. (G.O.(Ms)No.153/2018 HEdn dated 03.07.2018).

vi. Special Reservation:

The seats reserved under **Sports Quota** and **Cultural Quota** come under this category. Such students should apply online.

Sports Quota:

Two seats in each programme shall be reserved for candidates with outstanding records in Sports & Games . However, not more than 20% of seats reserved for the general quota seats of a particular programme shall be filled for sports quota when applying interchangeability for a particular programme.

The applicant for admission to the sports quota should have won a minimum of Third position (Bronze Medal) in the school sub district competition (inter –School) in addition to satisfying the academic eligibility.

Only the events which are having intercollegiate competitions in Mahatma Gandhi University will be considered for admission.

Age Limit : Upper age limit for applying through Sports quota is 25 years.

The following guidelines shall be followed in determining merit in sports for admission to the UG Programmes. Marks shall be awarded for the Sports merit certificates as detailed in the appended Table.

- A. The minimum eligibility for admission of a candidate to Under Graduate Programme (Sports Quota) will be the winning a minimum of third position in the school sub district competition (inter –School) in addition to his /her satisfying the academic eligibility.
- B. Performance in any year during the Plus Two Programme will be taken into consideration.

Points For Various Categories

No	Item	Points
1	Representing India in approved world Championships/Olympics and winning Gold Medal	250
2	Representing India in approved world Championships/Olympics and winning Silver Medal	245
3	Representing India in approved world Championships/Olympics and winning Bronze Medal	240
4	Representing India in approved world Championships/Olympics	235
5	Representing India in Commonwealth games/ Asian Games/Asian Championship etc. and Winning Gold medal	230
6	Representing India in Commonwealth games/ Asian Games/Asian Championship etc. and Winning Silver medal	225
7	Representing India in Commonwealth games/ Asian Games/Asian Championship etc. and Winning Bronze medal	220
8	Representing India in Commonwealth games/ Asian Games/Asian Championship etc.	215
9	Representing India in World School Games/ World University games and winning a Gold medal	210
10	Representing India in World School Games/ World University games and winning a Silver medall	205
11	Representing India in World School Games/ World University games and winning a Bronze medal	200
12	Representing India in World School Games/ World University games	195
13	Representing India in Regional Championship such as SAF Games and winning a Gold medal	190
14	Representing India in Regional Championship such as SAF Games and winning a Silver medal	185
15	Representing India in Regional Championship such as SAF Games and winning a Bronze medal	180
16	Representing India in Regional Championship such as SAF Games	175
17	Representing Kerala State in National Championship for Senior /Junior/Youth and Winning Gold medal	170

18	Representing Kerala State in National Championship for Senior /Junior/Youth and Winning Silver medal	165
19	Representing Kerala State in National Championship for Senior /Junior/Youth and Winning Bronze Medal	160
20	Representing Kerala State in National Championship for Senior /Junior/Youth Championship	155
21	Representing a University in All India / South Zone Inter University Competition and Winning a Gold Medal	150
22	Representing a University in All India / South Zone Inter University Competition and Winning a Silver Medal	145
23	Representing a University in All India / South Zone Inter University Competition and Winning a Bronze Medal	140
24	Representing Kerala State/ Combined CBSE/ICSE/Jawahar Navodaya /Kendriya Vidyalaya Team in All India School Games (SGFI) and Winning a Gold Medal	135
25	Representing Kerala State/ Combined CBSE/ICSE/Jawahar Navodaya /Kendriya Vidyalaya Team in All India School Games (SGFI) and Winning a Silver Medal	130
26	Representing Kerala State/ Combined CBSE/ICSE/ Jawahar Navodaya /KendriyaVidyalaya Team in All India School Games (SGFI) and Winning a Bronze Medal	125
27	Representing Kerala State in South Zone Championship for Senior/Junior/Youth and Winning Gold Medal	120
28	Representing Kerala State in South Zone Championship for Senior/Junior/Youth and Winning Silver Medal	115
29	Representing Kerala State in South Zone Championship for Senior/Junior/Youth and Winning Bronze Medal	110
30	Representing Kerala State in South Zone Championship for Senior/Junior Youth	105
31	Representing University in All India / South Zone Inter University Championship	100
32	Representing combined (All India) Jawahar Navodaya, KendriyaVidyalaya/CBSE/ICSE/team at the National School Games (SGFI participation)	95
33	Representing State in all India Rural Sports/ Women's Sports and Winning a Gold Medal	90
34	Representing State in all India Rural Sports/ Women's Sports and Winning a Silver Medal	85
35	Representing State in all India Rural Sports/ Women's Sports and Winning a Bronze Medal	80
36	Representing Kerala State in All India Rural Sports/Women's Sports	75
37	Representing District in Inter- District Championship for Seniors /Juniors/Youth and Winning a Gold medal	70
38	Representing District in Inter- District Championship for Seniors/Juniors/youth and Winning a Silver Medal	65
39	Representing District in Inter- District Championship for Seniors /Juniors/youth and Winning a Bronze Medal	60
40	Representing District in Inter- District Championship for Seniors /Juniors/Youth /Students selected for KSSC Sports Hostel Scheme	55

41	Representing a College in the Inter Collegiate championship and Winning a Gold Medal	45
42	Representing a College in the Inter Collegiate championship and Winning a Silver Medal	40
43	Representing a College in the Inter Collegiate championship and Winning a Bronze Medal	35
44	Representing the Zone/ Revenue District in the Kerala State School Championship and Winning Gold Medal	30
45	Representing the Zone/ Revenue District in the Kerala State School Championship and Winning silver Medal	28
46	Representing the Zone/ Revenue District in the Kerala State School Championship and Winning Bronze Medal	26
47	Representing a College in the Inter Collegiate	24
48	Representing the Zone/ Revenue District /Sports School/Sports Hostel/ School in the Kerala State School Championship	22
49	Winning a Gold Medal in the National Level (Inter- State/Inter-Region) Championship of the CBSE/ICSE/ISC/Jawahar Navodaya/KendriyaVidyalaya Competitions	20
50	Winning a Silver Medal in the National Level (Inter- State/Inter-Region) Championship of the CBSE/ICSE/ISC/Jawahar Navodaya/KendriyaVidyalaya Competitions	18
51	Winning a Bronze Medal in the National Level (Inter- State/Inter-Region) Championship of the CBSE/ICSE/ISC/Jawahar Navodaya/KendriyaVidyalaya Competitions	16
52	Representing the CBSE/ICSE/ISC/Jawahar Navodaya/ Kendriya Vidyalaya in the National Level (Inter- State/Inter- Region) Championship	14
53	Winning Gold in the Sub- District Championship For Senior/Junior/Youth/School Games	10
54	Winning Silver in the Sub- District Championship For Senior/Junior/Youth/School Games	08
55	Winning Bronze in the Sub- District Championship For Senior/Junior/Youth/School Games	05

Addendum

1. Achievements in those sports disciplines/events in MG University Sports calendar shall only be considered for UG Sports quota admissions.
2. An approved world competition means the competitions organized by the International Apex Bodies of the concerned discipline and in which the national Teams are sponsored by the National Apex Bodies and cleared by Sports Authority of India/ Government of India.
3. The National Championship means the championships conducted by the National Apex Bodies of the concerned discipline. District Competition means revenue district competition conducted by district associations in respective sports.
4. Individual games /event means a game/event in which an individual performs alone.
5. When a candidates has number of achievement in a sports /different discipline, his/ her best achievement will be taken in to consideration.

6. All competitions where an upper age limit is fixed (Youth/Junior/Sub-Junior) would be treated as junior event provided it is not classified as senior event by the concerned National Federation.
7. Priority will be given for students having achievements in senior level competitions than junior and youth category competitions.
8. Resolving of Tie :
If the points of more candidates happen to be the same, then for breaking the 'tie', the following criteria shall be followed one after another in the order given below:
 - A person can score points only in one category.
 - The highest score will be counted
 - Where bracketed, scores in other categories will be counted
 - Where still bracketed, priority will be given in the order of merit i.e.; 1st, 2nd, and 3rd place respectively.
 - Those with more number of achievements in the same level will be placed above the others (more number of 1st places, more number of 2nd places and so on).
 - Individual achievements will be ranked above team achievements.
 - A new record is created; he/she will be given priority.
 - If the tie could not be resolved by any of the above mentioned sports achievements, the index marks based on the qualifying examination shall be considered for breaking the tie.
9. Performance in any year during the Plus One/Plus Two level will be taken into consideration.
10. **The students admitted in Sports quota shall mandatorily be available to represent the University in the Inter University competitions unless specifically exempted by the Vice-Chancellor/Director of Physical Education, Mahatma Gandhi University.**
11. **For team events, Colleges should upload the events they wish to choose in the beginning of each academic year.**
12. If any discrepancy is noted during the verification of original certificates, the candidate shall not be considered for admission under sports quota.

Cultural Quota

One seat for each degree programme shall be reserved for students who excel in Youth festivals recognised by Director of Public Instruction (DPI). However, not more than 10% of seats reserved for the general quota seats shall be filled for cultural quota when applying interchangeability for a particular programme. The students who seek admission in this category should apply online.

The selection shall be made from among the applicants for the cultural quota on merit as detailed below:

Level	Points of Participation		
	A	B	C
Kerala School Kalolsavam (General Education Department), Government of Kerala	20	10	5
Revenue District Level Youth Festival	10	5	-

- A person can score points only in one category
- The highest score will be counted
- Where bracketed, scores in other categories will be counted

Admissions for Sports, Cultural and PD Quotas will start as per the stipulated date and time in the admission schedule. After 11.00am on that day the vacant seats in these quotas will be converted to General Quota.

Claims for Mandatory Reservation and Certificates to be produced

Claims for Mandatory Reservations must be made by a candidate at the time of online submission of application. The claims for mandatory reservation once made in the Application form cannot be altered by the candidate under any circumstances.

Candidates belonging to Ezhava, Muslim, Other backward Hindus, Latin Catholic other than Anglo Indians and Other backward Christian communities, claiming reservation under SEBC Quota should invariably produce both **‘Community’** and **‘Income Certificates’/non-creamy layer** certificate obtained from the Village Officer concerned. The self-attested copy and the original of the above certificates should be submitted during the time of admission. Candidates who belong to the non-creamy layer are eligible for reservation.

Claims for Reservation under Kerala Scheduled Castes/Scheduled Tribes Quota: Candidates claiming reservation under Kerala Scheduled Castes/Scheduled Tribes Quota should obtain caste/community certificate from the Village offices concerned.

Other General Rules for Mandatory Reservation: The seats which are not availed by the SC candidates will go to ST candidates and vice versa. The vacant seats reserved for SC/ST will be re-notified through print media and special allotments will be conducted exclusively for filling up vacant seats of SC/ST candidates. If such seats remain vacant even after re-notification, the unfilled seats will be filled on the basis of merit as per the rank list of the Latin community.

Rank List

The Rank List shall be prepared on the basis of marks arrived at according to the following conditions:

Handicap Marks

A handicap of Five marks for every successive attempt after the first attempt subject to a maximum of twenty marks will be deducted from the total marks in the case of those who have taken two or more chances to complete the examination. The number of chances means the number of chances taken for passing any part of the qualifying examination after the prescribed programme period. Appearance for improvement of marks shall not be considered as an additional chance.

No handicap marks for SAY pass outs will be imposed if admitted in the same academic year but five marks shall be deducted if he/she is ranked in the admission list of the succeeding year. Candidates who have passed the qualifying examination under SAY scheme or such supplementary scheme are eligible to apply for First Year programme in the same academic year, but they have to produce the mark lists on or before the closing date of admission.

Resolving of tie

If the index marks of two or more candidates happen to be the same, then for breaking the ‘tie’, the following criteria shall be followed one after another in the order given below:

- The candidate who has scored higher marks in the concerned elective subject shall be placed senior in the rank list. For B.Com Programme, Business Studies (Commerce) shall be considered as the elective subject.

- The candidate who has scored higher marks for part III subjects (or the subjects other than languages, if part is not specified) taken together shall be placed senior in the rank list.
 - The candidate who has scored higher marks in part I (English if part is not specified) shall be placed senior in the rank list.
 - The candidate who has scored higher marks in part II (second language if part is not specified) shall be placed senior in the rank list.
 - By giving residential weightage (at district/state levels)
 - Preference shall be given to candidates who are elder, and the age difference shall be calculated in completed years only, rounding down fractions (as candidates having difference in age less than one year happen to be admitted in the same class).
- ***Second languages will be allotted at the time of admission by the college based on the preference of the candidate and availability without incurring any additional financial commitment on the part of the Government / College and without any change in the existing staff pattern of the department concerned.***

Bonus Marks

The Bonus Marks will be awarded as follows:

1. Bonus of 15 marks shall be awarded to applicants with NCC or NSS Certificates at **‘Plus Two Level’** for admission to all programmes. In respect of NCC candidates, the bonus marks will be awarded on the basis of NCC Certificates signed by the Director and issued by the Directorate of NCC to candidates who have secured atleast 75% attendance after having participated in its activities during the programme of study **immediately preceding the programme for which admission is sought.** An additional bonus mark of 5 to ‘B’ Certificate holders in proof of their high proficiency.
2. Bonus of 15 marks shall be awarded to Student Police Cadets for participation at ‘Plus Two Level’. However, such applicants should produce the relevant certificate from the competent authority in proof of their claim (UO NO. 4999/Ac A1/2021/ MGU dated 25/09/2021).
3. Bonus of 15 marks shall be awarded to applicants with ‘Rajyapuraskar/Nanmamudra certificate” in Scouts/Guides/ Ranger/Rover at ‘Plus Two Level’ for admission to all programme. However they should produce the relevant certificate signed by the Governor of the state for availing the bonus marks.
4. In respect of NSS candidates, bonus marks will be awarded on the basis of NSS Certificates issued by the competent authority.
5. Bonus of 15 marks shall be awarded to the Ex-servicemen applicants and widows and children of Jawans and Ex-servicemen seeking admission to the Degree Programme. Applicants to this category should invariably produce along with the application form an attested copy of certificate issued not earlier than six months from the last date of submission of application from the military authorities or state/Zilla Sainik Welfare Officer to the effect that he/she is the son/daughter of an ex-service man or an ex service man himself/herself.

The benefit of bonus marks can be scored by a candidate only under one category i.e., either NSS / NCC / Scouts & Guides / Students Police Cadets.

Indexing of Marks

FACULTY OF LANGUAGE & LITERATURE

B.A. English	Total marks obtained in the qualifying examination less handicap marks plus twice the marks secured in Part I English of the Plus Two/equivalent examination plus weightage of 50 marks to those who have taken English as one of the optional for the qualifying exam
B.A. English Literature, Communication and Journalism(Triple Main)	plus bonus marks if any.* Total marks obtained in the qualifying examination - handicap marks+(2x Part I English Marks) + 50(If English is an optional) + Bonus Mark if any.

FACULTY OF SOCIAL SCIENCE

B.A. Economics	Total marks obtained in the qualifying examination less handicap marks plus the marks obtained for optional concerned at the qualifying examination plus a subject weightage of 50 marks in the case of those who have taken the subject (Economics) at the qualifying examination plus bonus marks if any.* Total marks obtained in the qualifying examination - handicap marks + Mark scored for Economics + 50 (If Economics is an optional) + Bonus Mark if any.
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FACULTY OF SCIENCE

Integrated M.Sc. Programme in Basic Sciences – Statistics	Total marks obtained in Part III of the qualifying examination less handicap marks plus marks obtained for Mathematics plus bonus marks if any. * Total marks obtained in the Part III - handicap marks + Marks scored for Mathematics + Bonus Mark if any
All B.Sc. Programmes other than B.Sc. Computer Science	Total marks obtained in Part III of the qualifying examination less handicap marks plus marks obtained for the particular subject concerned for which admission is sought plus bonus marks if any. * Total marks obtained in the Part III - handicap marks + Particular Subject Mark + Bonus Mark if any
B.Sc. Computer Science	Total marks obtained in Part III less handicap marks plus marks obtained for Mathematics/ Computer Science(best of two) plus bonus marks if any.* Total marks obtained in Part III - handicap marks + Marks scored for Mathematics or Computer Science Mark (Best of two)+ Bonus Mark if any
B.Voc. Software Development	Total marks obtained in Part III of the qualifying examination less handicap marks plus marks obtained for Mathematics plus bonus marks if any. * Total marks obtained in the Part III - handicap marks + Marks scored for Mathematics + Bonus Mark if any

B.Voc. Renewable Energy	Total marks obtained in Part III of the qualifying examination less handicap marks plus marks obtained for Physics plus bonus marks if any.* Total marks obtained in the Part III – handicap marks + Marks scored for Physics + Bonus Mark if any
B.Voc. Commercial Aquaculture	Total marks obtained in Part III of the qualifying examination less handicap marks plus marks obtained for Biology plus bonus marks if any. *
B.Voc. Fish Post Harvest Technology and Management	Total marks obtained in the Part III – handicap marks + Marks scored for Biology + Bonus Mark if any

FACULTY OF MANAGEMENT SCIENCES

B.B.A.	Marks obtained in Part III of qualifying examination less handicap marks plus bonus marks if any with 50% Quota for Arts and Commerce Group and 50% Quota for Science Group and if not filled up from one Quota the rest can be filled from other Quota. *
B.B.M.	Total marks obtained in Part III – handicap marks + Bonus Mark if any
B.Voc. Logistics Management	
B. Voc. Retail Management	
B. Voc. Travel and Tourism	
B.Voc. Fitness Management and Personal Trainer	
B.Voc. Professional Accounting and Taxation	
B. Voc. Journalism and Mass Communication	
B. Voc. Medical and Psychiatric Social Work	
B. Voc. Sports Nutrition and Physiotherapy	

FACULTY OF COMMERCE

B.Com.

Marks obtained in Part III Optional at Plus two/equivalent exam less handicap marks **plus** a weightage of 50 marks in each of the three subjects of Commerce combination subject to a maximum of 150 marks **plus** bonus marks if any.

The optional subjects concerned under Part III will be Commerce, Commercial Correspondence and Commercial Geography, Accountancy, Book-Keeping and Accountancy, Economics, Life Insurance and Salesmanship, Banking with Secretarial Practice, Business Studies, Mathematics, Computer Science/Computer Application, Informatic Practice, Management, Informatic Practice & Management. *

Total marks obtained in Part III – handicap marks + 50(for each optional subject of Commerce not exceeding 150) + Bonus Mark if any

** Marks obtained for the subjects in other streams (CBSE, CISCE, etc.) shall be standardized to that of Kerala Higher Secondary i.e. 200 marks per paper (200marks × 6 = 1200 i.e., total marks). Index marks shall be calculated as mentioned above, but the marks obtained for vocational subjects in VHSE/THSE, etc. are to be excluded while calculating index marks.*

Procedure

Albertian Online Admission Process (AOAP)

The applicants need to submit only one online application form while applying to all the UG Degree Programmes in the college whether in the General/ SC–ST/ Community/ Management/ Sports/ Cultural/ Lakshadweep and Persons with Disabilities (PD) quota (The relevant quota must be selected). If a candidate submits more than one application his/her candidature is liable to be cancelled. Submission of application i.e. registration of personal and academic data as well as options for programme shall be done online. Before submitting the application form, candidates are advised to verify the details of the academic programme in the college through the college website **www.alberts.edu.in**, in addition to the information given in the prospectus published by the College. Before selecting a programme the applicant should make certain that he/she possesses the prescribed qualification/eligibility for applying for the programme.

The original certificates should be submitted to the college at the time of admission.

Students seeking admission to St. Albert's College (Autonomous) should apply online through the Albertian Online Admission Portal (AOAP)

www.alberts.edu.in

Applicants can view/download a copy of the prospectus from the website. The step by step procedure for applying online is given in the website as well. In all the subsequent enquiries regarding admission, applicants are requested to mention the Albertian Online Admission Portal (AOAP) Number allotted to them at the time of online registration.

Application Procedure

Application procedure consists of two parts:

Part – 1 : Registration of Candidate (Personal Details and payment of application fee)

Part – 2 : Submission of Application (Entering Academic Details)

Part – 1: Registration of Candidate (Personal Details)

1. Register online through www.alberts.edu.in and fill in the applicant's personal details.
2. Make a note of the username (email) and password which will be generated on successful registration of the form. The password should NOT be revealed to others who may misuse it. St. Albert's College (Autonomous) will not be responsible for any such eventuality. The user name and password of the applicant will be send to their registered Email ID.
3. The application fee can be remitted in either of the four methods:

The application fee is Rs. 200/-

3.1 Challan

Generate a Challan print out (A4 – Landscape print). The Challan bears an "Email" and an "Application number". The application number and the email will have to be remembered by the candidate for all future online and offline operations. Remit the required fee along with the challan printout at the nearest SIB (South Indian Bank) branch. Collect the Challan copy bearing the seal from bank (Student copy and College copy). The confirmation of payment may take 2 working days.

3.2 Virtual Account Number

If payment has to be done through NEFT or at any other Bank take a printout of the virtual account number and remit the fee to the given Account Number. The confirmation of payment may take 2 working days.

3.3 Net Banking

If the applicant is an existing South Indian Bank (SIB) account holder, he/she can remit the fees through the net banking facility provided. The confirmation of payment is immediate and the rest of the application process can be continued.

3.4 Payment Gateway

For payment through credit/ debit / net-banking through any other bank, the payment gateway is used. The confirmation of payment is immediate and the rest of the application process can be continued.

Part – 2: Submission of Application (Entering Academic Details)

4. Once the registration is complete, the candidate can login to complete the application procedure. All fields have to be filled to complete the application. The Programmes selected must be at par with the eligibility criteria. If a candidate has opted for a course for which he/she is not eligible, he/she will not be considered for admissions, even if his/her name is reflected in the provisional rank-list. After submitting the application, further modification of data is not possible. Hence, double check that all entries are made correctly before clicking final submission button.
5. The application submission will be successfully completed only when you get a confirmation page from Albertian Online Admission Portal.
6. Click on the Profile link / Go to the login panel in Albertian Online Admission Portal and use the Email-Id as user-name and the password generated in order to refer to the details. In case the applicant forgets the password, an option for Lost Password is available just below the login panel. By logging-in, you can view your application, choices with the index marks in the 'profile page'.
7. Applicants are requested to view the published provisional rank list of the respective subjects online on the given date.
8. No individual memo card will be sent to the candidates regarding the rank / chances.
9. The management and community quotas will be automatically selected for applicants who select Latin as their community, however they have an option to opt out of it before submitting the application.

Click here to watch a short demonstration of the application procedure

<https://youtu.be/OajYZWVTiEo>

The rank-list and admission dates will be published online only.

Online registration fee once remitted will not be refunded under any circumstances.

Please Note: The applicants are NOT required to submit the printed application form at the college office. But those applicants who have applied for the PD, Cultural, Sports and Management quota SHOULD SUBMIT supporting

documents on or before the given date at the college office. Management quota applicants (Latin Catholics only) have to download from the college website a certificate to be attested by the Parish Priest after completing second step in application procedure. They should submit this certificate after getting it attested by Parish Priest. Admission is based strictly on merit. Donation, bribing or recommendation will be considered as disqualification of the candidate and will not be entertained under any circumstances.

Admission Procedure

All applicants who seek admission to the college should report for the admission procedure at the college on the given date and time as per the provisional rank-list. Those who fail to do this will be treated as not interested and further claim for admission by these applicants will not be entertained. The candidate should be accompanied by his/ her parents (Father or Mother or Both) during the time of admission. **Applicants are requested to remember the Albertian Online Admission Portal Number at the time of admission process.** The candidates should produce the following documents in original before the Principal/Head of the college/institution at the time of admission.

Admissions for Sports, Cultural and PD Quotas will start as per the stipulated date and time in the admission schedule. After 11.00am on that day the vacant seats in these quotas will be converted to General Quota.

DOCUMENTS TO BE PRODUCED AT THE TIME OF INTERVIEW:

1. Mark-list (original) and two attested copies of S.S.L.C. & Plus two mark lists.
2. Transfer Certificate (TC) from the institution last attended (original).
3. Conduct Certificate from the Head of the institution last attended (original). The Conduct Certificate should not have been issued earlier than 6 months prior to the date of admission.
4. Certificates of extra-curricular activities (original) if any.
5. Income Certificate, if eligible for fee concession (original) The income certificate should not have been issued earlier than 12 months prior to the submission of application.
6. Community Certificate for eligible candidates (original) from village officer or Tahsildar.
7. One passport size student photo.
8. Attach necessary certificates, if applying under physically handicapped quota. Candidates migrating from outside Universities/ Boards, if selected, should produce the eligibility certificate from the Mahatma Gandhi University at the time of admission.

Self-attested copy of the Online Mark list, in case the original mark list is not issued.

The students who get admission in the College will be subjected to the following procedure

1. Attending the Admission Process on the Stipulated Date and Time
2. Verification of the Original Documents
3. Claim for Concession (if applicable)
4. Signing up of the Declaration Forms
5. Issuance of Admittance Card
6. Confirmation of Admission by the Principal
7. Remittance of Fee
8. Enrollment into the College Register
9. Issue of Fee Receipt

Selection of Second Languages

Languages Available

1. Malayalam
2. Hindi
3. French*

***Fees for the French Language is not included in the Programme Fee. Students who Select French should Pay Extra Fee fixed by the College.**

Admission Policies

As the provisional rank-list is based on the information furnished by the candidate online, the eligibility will be confirmed at the time of admission. The Admission Committee verifies the details furnished by comparing the same with the original documents produced by the candidate. Any discrepancy will result in the denial of admission.

Seat Allotment Protocol

The Admission will be on a hierarchical basis. The hierarchy of order is as follows:

1. **General Merit (GM)**
2. **SC/ST Merit**
3. **Community Merit**
4. **Management Quota**

Ragging – A crime

The Honorable Supreme Court of India has directed that if any incident of ragging comes to the notice of the authorities, the student concerned shall be given liberty to explain and if his explanation is not found satisfactory, he would be expelled from the institution.

Politics banned in St. Albert's College (Autonomous)

At the time of admission the applicant should give an undertaking that he /she won't participate in any type of political activity in and around the College Campus. If any incident comes to the notice of the authorities, the student will be expelled from the institution after the disciplinary procedure. This is in reference with the Court Verdict Banning Political Activities in the College campuses Judgement No.WA-535/2003 dated 26-05-2003 by the Honorable High Court of Kerala.

Hostel

Hostel Facility is provided only for Postgraduate male students (as per availability) and Civil Service Grooming Programme (CSGP) students in Pious X PG Hostel situated on the College Campus.

Full Scholarship for Children of COVID 19 Victims

St Albert's College offers a 100 % Tuition fee Scholarship for students whose parent (the sole breadwinner) passed away due to the COVID 19 pandemic. This is an effort to support the families of COVID 19 victims.

Regulations

1. The Scholarship is strictly limited to students of self-financing Programmes whose parent (the sole breadwinner) passed away due to COVID 19 and whose death has been certified by the State Government as a COVID death.
2. The present, as well as the newly admitted students of the academic year 2023–24, can avail of this Scholarship
3. The application for the Scholarship should be substantiated with genuine documents within the stipulated time in the prescribed format.
4. Any request for relaxation of the eligibility criteria will not be entertained.
5. There will be a complete waiver of Tuition Fees. However, the student must pay all the other fees.
6. The student must pay the fee at the beginning of the semester, which the College will reimburse as a Scholarship in the same semester itself.
7. The student should procure his/her admission through the standard admission procedure.
8. The students who avail of the Scholarship should lead an exemplary academic life. The College can withdraw the scholarship if any disciplinary action is taken against the student.
9. The student may lose his/her Scholarship if
 - a. His/Her attendance falls below 75% of the total days in a particular semester
 - b. He/ She is absent for more than one exam in any semester without a valid reason. In case of a genuine reason, prior written permission should be taken from the Registrar. The request for approval should be processed via the proper channel (Tutor–HoD– Registrar). This approval does not entitle any other privileges other than privileges related to the Scholarship
 - c. He/She is involved in exam related malpractices
 - d. He/She is involved in ragging
 - e. He/She involved in events related to substance abuse or alcoholism
 - f. He/ She is involved in political activities either physically or through social media. Political activities by the students are entirely banned inside the College campus. The students are also strictly prohibited from using the College's name to further political activities, objectives or activism outside the College campus.
 - g. He/She is involved in any activities either physically or through social media that will tarnish the name of the College
 - h. Any disciplinary action is initiated against him/her
10. This Scholarship is not a right based Scholarship, and the College Management has the full authority to withdraw the Scholarship to any student/ group of students at any time. The College management will not be subject to any litigation relating to this Scholarship.

Archbishop Attipetty Memorial Scholarship for Vocational Courses

St. Albert's College (Autonomous) has instituted Scholarships in memory of the Founder Patron, Servant of God, Archbishop Joseph Attipetty, for the students pursuing B. Voc. & M. Voc. Programmes at the College, from the academic year 2020–21, and who also fulfil the following conditions:

- Students scoring above 95% will get a scholarship of 50% of the fees paid
- Students scoring above 90% will get a scholarship of 40% of the fees paid
- Students scoring above 80% will get a scholarship of 30% of the fees paid
- Students scoring above 70% will get a scholarship of 20% of the fees paid

Regulations

1. The Scholarship is strictly limited to students of B. Voc and M. Voc Programmes.
2. The present, as well as the newly admitted students of the academic year 2023–24, can avail of this Scholarship
3. The eligibility for the Scholarship is determined, and the amount fixed based on the marks attained by the student in the immediate previous semester.

Semester	Eligibility
Semester 1	Marks of the previous Programme (Plus-two marks for the B.Voc programme Undergraduate Degree marks for M. Voc programme)
Semester 2	Semester 1 marks of the current B.Voc programme
Semester 3	Semester 2 marks of the current B.Voc programme
Semester 4	Semester 3 marks of the current B.Voc programme
Semester 5	Semester 4 marks of the current B.Voc programme
Semester 6	Semester 5 marks of the current B.Voc programme

4. Marks attained after the stipulated time for scholarship application (through improvement, retake) will not be considered for the Scholarship.
5. The application should be submitted at the College office within the stipulated time frame in the prescribed format.
6. The student should have passed all the courses of the previous semester in the immediate previous semester.
7. Absence in the previous semester exam is considered as having failed the exam.
8. Any relaxation for eligibility criteria will not be entertained.
9. The student must pay the full fee at the beginning of every semester. The Scholarship will be disbursed after the results of the previous semester are announced
10. The students who avail of the Scholarship should lead an exemplary academic life.
11. The student may lose their Scholarship if
 - a. He/She is involved in exam related malpractices
 - b. He/She is involved in ragging
 - c. He/She involved in events related to substance abuse or alcoholism
 - d. He/ She is involved in political activities either physically or through social media. Political activities by the students are entirely banned inside the College campus. The students are also strictly prohibited from using the College's name to further political activities, objectives or activism outside the College campus.
 - e. He/She is involved in any activities either physically or through social media that will tarnish the name of the College
 - f. Any disciplinary action is initiated against him/her
12. This Scholarship is not a right based Scholarship, and the College Management has the full authority to withdraw the Scholarship to any student/ group of students at any time. The College management will not be subject to any litigation relating to this Scholarship

NB: The Prospectus is subject to change as per the decisions of the Governing Body of St. Albert's College (Autonomous), MG University, Kottayam and Kerala State Higher Education Council

ADMISSION HELPLINE: 8330887774 8330887775 8330887773 8330887772 9539660860

Please note: Contact helpline numbers for any clarifications regarding admissions.

Time: 8:00 am to 5:00 pm