

Kristu Jayanti College

AUTONOMOUS

Bengaluru

Reaccredited 'A' Grade by NAAC | Affiliated to Bengaluru North University

PROSPECTUS
POSTGRADUATE PROGRAMMES



Kristu Jayanti College is an incarnation of the educational dreams of St. Kuriakose Elias Chavara (1805-1871), the founder of the religious congregation, Carmelites of Mary Immaculate (CMI). He envisioned the sunrise of a renewed humanity through the integral development of mind, body and spirit. The motto of the college, 'Light and Prosperity', aims at this synthesis and the harmony of the spiritual and the physical, the mind and the body. A healthy environment for the acquisition, promotion and dissemination of knowledge is provided here with the aspirations of growing into an academic fraternity joining hands for the development and progress of humanity at large. The curriculum and the co-curricular activities are the basic structures acting as springboards to step into the mystery of human life and beyond. The very name, Kristu Jayanti, as the college was started in Anno Domini 1999, is the commemoration of the two millennia of the birth of Jesus Christ, the Son of God, who invites each of us to dream and reach the perfection of the heavenly Father, as God himself says: "Be perfect, therefore, as your heavenly Father is perfect" (Mathew 5:48).

Fr. Josekutty P.D., CMI
Principal



St. Kuriakose Elias Chavara
Founder, CMI Congregation

Vision

'Light and Prosperity': To provide intellectual and moral leadership by igniting the minds of the youth to realize their potential and make positive contributions, leading to prosperity of the society and the nation at large.

Mission

Kristu Jayanti College strives to provide educational opportunities to all aspiring youth, to excel in life by nurturing academic excellence, fostering values, creating civic responsibility and building global competencies in a dynamic environment.

The CMI Congregation

Kristu Jayanti College, founded in 1999, is managed by the members of St. Joseph Province of the Carmelites of Mary Immaculate (CMI), the first indigenous religious congregation in India. The CMI congregation is the embodiment of the dream and vision of Saint Kuriakose Elias Chavara, the founder of the CMI congregation. In recognition towards his services to the society, the Govt. of India honoured him by releasing a postal stamp with his portrait in the year 1986. The CMI congregation with a membership of 2,300, renders services to humanity in educational, social, healthcare and other areas aiming at the prosperity and well-being of the society. Kristu Jayanti College is a minority Christian Institution. However, it strives to impart quality education without distinction of religion, caste or creed. The institution is reaccredited by NAAC (National Assessment and Accreditation Council) with 'A' Grade under the new methodology with a CGPA of 3.22.

Core Values

Faith | Integrity | Dignity | Excellence (FIDE)

Goals

- To provide a nurturing and trusting environment to learn and grow
- To ensure that the youth get adequate opportunities to identify and develop their skills
- To prepare the individuals for employment and advancement in their chosen career
- To mould the individuals into integrated personalities who are intellectually competent, spiritually mature, physically strong and socially sensitive
- To develop a lifelong desire in individuals to learn and create a positive change in the society and contribute to the economic development of the nation

THE CAMPUS

Kristu Jayanti College is an autonomous institution under Bengaluru North University. The college is located in a calm and serene campus at K.Narayanapura, Bangalore, 11 kms away from Vidhana Soudha, the heart of Bangalore City. Housed in a spacious campus, the college incorporates a traditional academic setting with a cutting edge technology. With refreshing environment, beautiful scenery and moderate climate, it provides an atmosphere conducive for effective teaching and learning programmes. Above all, students enjoy all the advantages of campus life in one location - classrooms, student services, resource centre, labs, library and career guidance.

Infrastructure

The institution invests profoundly on infrastructure to keep pace with the changing needs and profile of the student population. To catch up with the scientific and technological advancements, parallel up-gradation of facilities in the form of laboratories, library and other learning resources namely computers, e-resources and Wi-Fi facility are carried on persistently. Physical facilities have been expanded to create an ambience conducive for academic excellence and holistic development. Various departments and administrative sections are housed in the Main Block. The MBA and MCA programmes function in a separate block.

The college provides spacious class rooms, auditoria, laboratories, conference halls, panel rooms and facilities for sports and games. Besides Computer Science and Bioscience laboratories, the Electronics lab, Psychology lab, Business lab, Language lab and the Media Lab effectively integrate technology into the teaching - learning process.

Computer Lab

The computer lab is designed with state-of-the-art technology and all major application softwares for imparting quality education. The Computer lab is equipped with internet and is open beyond office hours to meet students' computing needs. The campus is wi-fi enabled to meet the information resource and IT requirements of the students anywhere in the campus.

Library

The library is a gateway to a world of information. The staff and students have unlimited access to the wealth of information found in resources like books, magazines, journals, statistical database, encyclopedia, annual reports and the internet. The library also has digital resources envisaging a myriad collection of CDs, databases, software and projects. There are separate group discussion rooms, reading rooms and cubicles for personal study. Moreover, an e-library has been set up for accessing e-resource.



TEACHING LEARNING METHODOLOGY



The training methodology at Kristu Jayanti College aims to equip young minds with a global outlook to face the challenges of the future and at the same time ensure that they are guided by a set of values and beliefs that reflect the Indian ethos. The management, staff and the very atmosphere itself are geared to attain this goal. This is achieved through an all-round development of the intellectual, social, physical and spiritual spheres of life.

The teaching-learning process evolved in the institution is 'learner centered' to fulfill the dreams and aspirations of the students joining this college. In this process, various methods like class room lecture, problem solving, group discussion, role play, case study, panel discussions, experimentation in the laboratories, seminars and conferences enable students to excel in academics. Experiential learning through project work, internships and industrial visits are an integral part of the process. A wide array of teaching aids such as charts, maps, models, power point presentations, multimedia presentations and wall posters are used to facilitate innovative teaching. Informal interaction with students and counseling help the teachers to understand the students better and to enhance their positive development. All the departments practice academic and personal mentoring. Class room learning is supplemented by interactions during seminars, workshops, conferences and expert lectures. The institution is equipped with state of the art IT facilities to integrate information technology in its teaching learning process.

In a competitive environment, the students and faculty keep abreast with the latest developments in their subjects utilizing resources available in college like the Internet, E-resources, Books, Journals, Book Exhibitions in the campus, Book Reviews, Interactive CDs, and academic events such as Conferences, Symposia, Panel Discussions, Seminars, Workshops, Expert Lectures, Current Affairs Forum, Research Colloquium and Faculty Development Programmes.

Life Skills Training

College education and the University environment are excellent opportunities to teach students about the importance and application of life skills. Kristu Jayanti College has made a unique effort by initiating the Centre for Life Skills Education (CLSE) with the specific purpose of imparting Life Skills for all Jayantians. The CLSE aims to teach these skills to the students to enable them not only to become successful in their professional lives but also be happy personally too. In order to make the programme more need based and professional, the centre has signed an MoU with Rajiv Gandhi National Institute of Youth Development (RGNIYD) Ministry of Youth Affairs and Sports, Government of India. Faculty members have been trained in Life Skills so that the students are benefited by the training in Life Skills and are ready to face the challenges of real life situations.

Regular sessions on Life Skills are planned and charted during the academic year for the students to equip them to face the world.



TEACHING LEARNING METHODOLOGY

Learner-oriented Teaching Methodology

"Learner-centered" learning is an approach to education focusing on the needs of the students, rather than those of others involved in the educational process. This approach has many implications for the design of the curriculum, course content and interactivity of courses. At Kristu Jayanti, the learning process is designed to focus on each student's needs, abilities, interests, and learning styles, placing the teacher as a facilitator of learning. This teaching method acknowledges student voice as central to the learning experience for every learner and differs from many other learning methodologies. 'Student-centred' learning requires students to be active and responsible participants in their own learning.

Academic Clubs & Associations

The prescribed curriculum often falls short in a fast changing society. Keeping this in mind the college has formed several academic clubs and associations like Environment Club, Commerce Club, Management Association, Tourism Club, Computer Academy, Psychology Club, Erudite Club, Journalism Club, Life Science Club, Journalism Club, etc. to bridge the gap and to keep the students up beat with the nanosecond changes of the world. Through these clubs, the students are exposed to seminars by eminent personnel from the industry and academia, industrial visits, proficiency programmes, inter- collegiate fests and paper presentations.

STUDENT LIFE

Career Services

Kristu Jayanti College provides career development and placement services. Individual assistance on resume preparation, aptitudinal training and job interview strategies are an integral part of this service. Career job fairs, campus employment presentations and recruitments are also organized on a regular basis.

Guidance & Counseling

In the current competitive world students are forced to grow into responsible adults well before their time and with this comes stress and adolescent related issues. At Kristu Jayanti College, these issues are addressed through the capable and professional guidance cell. Guidance is made available by competent counselors to help the students develop their abilities, choose their career and explore their difficulties in being able to achieve their goals in life. The students meet the mentors to discuss about the progress made in the training programme and seek guidance.

International Students Forum (ISF)

Kristu Jayanti College fascinates students from all over India and abroad and from diverse strata of society. ISF is an exclusive forum that caters the needs of the foreign students and offers a safe haven for the International students, far away from the comfort of their home. The services offered by the ISF are facilitating student exchange, residential permit, passport renewal / visa updation, travel help desk, etc.





Prayer and Holistic Development

A socially responsible citizen has a morally righteous mind. At Kristu Jayanti College, we ensure that the students are also morally educated. Recognising the value of prayer and meditation in the holistic development of personality, due importance is given to techniques of concentration and personal prayer. One hour every week is set aside for prayer and reflection. Eucharistic Liturgy is celebrated on every First Friday of the month for Catholic students.

The Centre for Social Activities (CSA)

Established in 2009, as a students' social movement, the CSA aims to institutionalize the mission, vision and core values of the college. It is an arena where student volunteers inspired by eminent personalities from the NGOs and help the needy. With objectives for the holistic development of students and to strengthen college-community relationship, the CSA has various projects to enable the less privileged to access quality life.

Projects like the JAGRUTH - a paper presentation on social issues, VIKAS KENDRA - a free tuition program for educationally backward students, BHAVISHYAJYOTI - a children's education sponsorship program and the Rural Exposure Program, are a few of the activities of CSA.

Grievance Redressal Cell

A conducive and fair educational ambience is ensured as the grievances at individual and class level and grievances of common interest are redressed by the Grievance Redressal Cell. Complaints dropped in the 'Suggestion Box' by students or parents and verbal complaints are also redressed. All complaints are scrutinized by the Management and the Grievance Redressal Cell. The cell helps to maintain an encouraging academic atmosphere.

Alumni - A Life-Long Relationship

Alumni portal aims at keeping in touch with classmates, college and the fellow graduates. The Kristu Jayanti alumni association gives a chance for the former students to play a meaningful role in the future of the students pursuing their studies. The alumni of the college have been at the forefront of knowledge since the first graduates left this temple of learning. Their expertise, skill and knowledge pose a significant benefit to the present students. The college strives to strengthen the links between the academic and student communities of the college with the philanthropic support of our alumni. Mitrotsava in the annual alumni meet of the college.

SALIENT FEATURES

Collaboration with Foreign Universities

To be pace with the shrinking global village, Kristu Jayanti College has established collaborative link with foreign Universities like the Appalachian State University, U.S.A., Normandie Business School France, FHDW University, Germany and Neu-Ulm University of Applied Sciences (HNU), Germany to promote teaching, research and exchange programme. The various advantages of these associations are reciprocal exchange of faculty members and students, hosting short-term study abroad and exchange, collaborative research and publication.

Research

Kristu Jayanti College is a launch pad to pursue scholarly knowledge through research. The Research Centre with four wings under Social Work Biotechnology, Psychology and Commerce motivates aspirants towards the acquisition of a doctoral degree. With several ongoing projects, the research centre is dedicated to erudite leadership and aims to advance the knowledge in the respective fields through scientific discovery, collaborative work and national & global outreach. The research programmes are affiliated to Bangalore University and the Research Centre is dedicated in the pursuit of excellence in the respective fields.

Life - changing Interactions

Vicharmanthan, which means 'churning of ideas' in Sanskrit, is a unique platform where the students get an opportunity to interact with Indian and global visionaries to enrich themselves from their tremendous experience and insights. Vinimay is a 'leadership talk' series where the students get to learn from national and international leaders from various spheres. Management Development Programmes help the students to keep abreast with the latest developments in a particular field. Industry Institution Interface (3i) programme is designed to bridge the gap between theory and practice, wherein students get an opportunity to integrate the learnings in the classroom with the practical approaches in the field through interaction with experts from the industry. International Lecture Series orients the students to a multinational academic milieu. Conferences help the students to get an in-depth understanding on a particular subject.

The Faculty

The Jayantian teacher is a facilitator, guide, mentor and leader who creates a suitable learning ambience inside and outside the classroom. The quality and potential of a teacher is the primary concern of the management during the recruitment of the faculty members. The institution nurtures an environment for the growth and retention of the faculty members. The college considers its human resource as a capital investment which needs to be continuously augmented through sustained training and capacity building to perform multiple tasks. Faculty improvement is facilitated through programmes like in-house Faculty Development Programme (FDP), department level programmes and Participation in FDPs / Conferences/ Seminars at other institutions and colleges. The institution encourages the faculty members to participate and undertake institutional research and to pursue personal research leading to M.Phil. and Ph.D.





CENTRE FOR EMPLOYABILITY AND CORPORATE RELATIONS (CECR)

Career Support

Placements at Kristu Jayanti College have always stirred up much interest due to the visit of leading brands from various sectors. Kristu Jayanti College has a very active Centre for Employability and Corporate Relations (CECR). Every year students get placed in top multinational companies through the CECR. More than 70 companies visit the campus for recruitment every year. The overwhelming feedback from the recruiters regarding the performance of the students, is an assurance of their trust in the quality of pedagogy adopted in Kristu Jayanti College.

The Centre takes continuous effort in bridging the gap between theory learned in the classroom and practical happenings in the corporate world through Industry Institute Interface (3i). Executives from different sectors like IT, ITES, Retail, Manufacturing, Banking and Financial Services, FMCG and Media visit the College for dynamic interaction with the students and update them with the current trends in the corporate world.

Employability Skills Development

Employability skills such as communication skills, interpersonal relationship, team work, etc., help the student to get the right job and also accelerate the pace of his/her career. In this respect, the centre provides the following courses to enhance their career growth: Introduction to communication and inter personal skills, listening skills, group communication, team work, interviews, stress management, public speaking skills, negotiation, conflict management and event management.

GATE - Opening a passage

The CECR starts the Placement Orientation and Training Program by Inaugurating GATE, opening a passage, which is attuned to the needs of the Industry in the era of globalization and the complexities of business. GATE, through its multifarious training verticals aspires to mould employable, dedicated and committed individuals who are industry ready.

Udyogvichaar is a platform to interact with the student community and explicate the various openings in their respective companies. Interested students can choose a prospective recruiter and undergo the selection process through GATE.

MCA Master of Computer Application

Programme Overview

The Post Graduate Department of Computer Science offers Master of Computer Application (MCA) Programme with the intention to produce competitive computer professionals equipped with advanced technical concepts. It is a three year full time autonomous programme spanning six semesters, affiliated to the Bangalore University and approved by the All India Council for Technical Education (AICTE). The principal objective of the programme is to shape the youth into software professionals to meet the growing demand in the IT industry.

Training Beyond Curriculum

Formal classroom sessions are supplemented with frequent guest lectures by experts from the industry and academia. To give a more professional impetus to the training programme, Student Seminar Series, International Lecture Series, Tech Talk Series, Industry Institute Interface (3i) sessions, Webinars, Technological Transformation from Industrial experts and workshops are arranged on various topics such as contemporary developments in computer technology, group dynamics, leadership and managerial skills, presentation skills, human relation and teamwork, etiquette, etc. In addition to these, students are trained effectively to take part and excel in Inter-collegiate IT competitions that are conducted at regional and national levels.

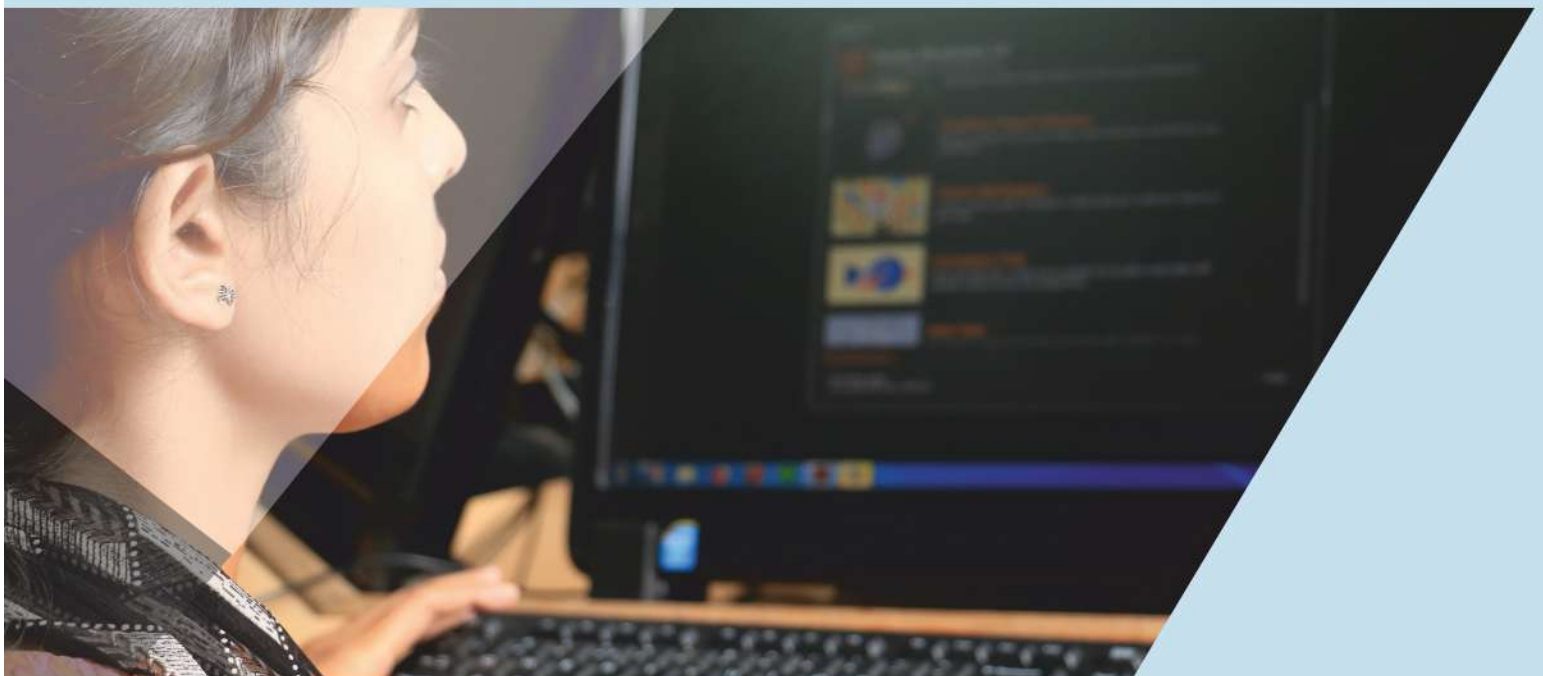
Eligibility

Candidates who have passed bachelor degree with not less than 50% of marks in the aggregate of all the years of the degree examinations with Mathematics or Statistics or Computer Science or Computer Programming / Computer Applications / Business Mathematics / Business Statistics as one of the optional or elective subjects at Degree Level are eligible to apply. Provided further that a candidate who has studied and passed one of the subjects specified in the first provision in the Pre-University Course with 50 % of marks in that subject shall also be considered for admission. In the case of candidates from Karnataka belonging to SC / ST and Cat-I, 45% of marks in that subject shall be considered eligible for admission.

Lateral entry

The students who have completed Bachelor's degree of minimum three years duration in BCA, B.Sc., (Information Technology / Computer Science) with Mathematics as a course at 10+2 level or at graduate level are eligible for the lateral entry as per AICTE norms. The students should have obtained at least 50% (45% in case of SC / ST category) at the qualifying examination for lateral entry admissions. Aspiring candidates should have cleared the PG CET conducted by the Government of Karnataka. Eligible students will directly be admitted* to the III semester of the MCA programme.

*Admission through lateral entry is as per AICTE / Bangalore University norms.



Knowledge Enrichment Programmes

The Department believes that Computer Science is a rapidly evolving discipline. It is important that we contribute to global information technology in a way that our students can devote themselves to take the maximal advantage of emerging computer trends to solve a wide range of technological problems based on their interest / specialization. The objective is to hone technical skills demanded by today's professionals by providing a sound technical platform and the required knowledge base. It prepares the students to meet the challenges faced by today's IT professional by exposing them to wide array of cutting-edge technologies.

The technical community of the Department is headed by a faculty member. Students can be members of these communities after their first semester. Students can select their own specialization, and improve their skills. Knowledge enrichment is ensured through Seminars, Guest Lectures, Workshops, Industrial Visits, Quiz Programmes, Paper Presentations, etc.

Industry Expert Training Programme

The contents of certain courses are delivered to the students by the trainers from leading MNCs. The trainers who have excellent experience of imparting subject information clearly and concisely are identified for subjects like Data Analytics and Software Testing Tools. It helps the students to enrich their knowledge at a deeper level and in par with the industry trends.

IEEE Student Branch (School code- STB18221)

IEEE student branch of the department of computer science (PG) provides a forum for students to participate in professional, technical, and social activities beyond the campus. It also provides an opportunity for them to begin networking in their areas of study. Some activities that the student Branch has undertaken in the recent years are design competitions, designing of a student branch website or Global Student Website, tutorials for non-members, participating in IEEE conferences and participating in engineering awareness programs.

Industry Mentorship Programme

The Industry Mentorship Programme [IMP] is a collaborative effort sharing programme both in time and knowledge by the mentor from the industry and an in-house faculty member. Mentors share their Knowledge through offline or online streams and invite the students to visit their organization for seminar or any of the technical discussions. Students will be completing the work assigned by their respective mentors in a stipulated time monitored by the in-house faculty.

Software Development Cell

The Software Development Cell provides opportunities for the emerging software professionals to actively participate in the real time Software Development process. It helps to identify the suitable standardized platform for building up proper entrepreneurial skills. The mission is to undertake software development tasks from external agencies and provide best quality services in time. The cell also undertakes in-house digitalization assignments.

Membership in Professional Bodies

The Department of Computer Science (PG) is a member of Institute of Electrical and Electronics Engineers (IEEE) and Computer Society of India (CSI). Faculty members are also members of the Indian Science Congress Association and IEEE.

Industry - Academia Alliance

The Department leverages Industry- Academia Alliance with AWS, DELL-EMC, ICT and ORACLE to prepare the young talents for successful careers in the new IT landscape.

FOSS - Self Learning Workshop

The Open Source Software training is introduced in collaboration with IIT Mumbai. The Spoken Tutorial is about teaching and learning a particular FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP & MYSQL, Java, C/C++, LibreOffice etc. via an easy Video Tool Spoken Tutorial. The salient features of SELF (Spoken Tutorial based Education and Learning through FOSS) workshop are:

- Highly conducive self-learning practice
- The workshops are conducted remotely via a video conferencing tool
- Students have to undergo an online assessment test and on clearing the test, are certified by Spoken Tutorial, IIT Mumbai.

Course Matrix

I Semester

Course Code	Course Title
MCA204A11	Microprocessor and Microcontroller
MCA204A12	Concepts of Computing and Data Structures
MCA204A13	Computer Oriented Numerical and Statistical Methods
MCA204A14	Operating Systems and Linux
MCA204A15	Relational Database Management Systems
MCA2L2A11	Microcontroller Practical
MCA2L2A12	C and Data Structures Practical
MSE4L2A11	Soft Skills
MTC5S1A01	Technical Community Presentations

MCAC04A41	Advanced Parallel Processing
MCAD04A41	Cloud Computing
Group 2	
MCAS04A41	E-Commerce and M-Commerce
MCAT04A41	Software Testing and Quality Management
MCAU04A41	Multimedia Communications
MCAV04A41	Agile Methodologies
MSE4L2A41	J2EE Practical
[Any ONE to be opted]	
MRP5R1A01	Research Paper Presentation/ Publication
MOL501A01	Online Course

II Semester

Course Code	Course Title
MCA204A21	Design and Analysis of Algorithms
MCA204A22	Object Oriented Programming with Java
MCA204A23	Computer Networks
MCA204A24	Software Engineering
MCA204A25	Accounting for IT Professionals
MCA2L2A21	Algorithms Practical
MCA2L2A22	Java Programming Practical
MSE4L2A21	.NET Programming Practical
[Any ONE to be opted]	
MIE5A1A01	Industry Exposure
MWK5A1A01	Workshop

V Semester

Course Code	Course Title
MCA204A51	Internet of Things
MCA204A52	Mobile Application Development
MCA204A53	Software Project Management
MCA2P2A51	SPM Project
Elective Courses [Any ONE to be opted]	
MCAA04A51	Open source Technologies
MCAB04A51	Software Testing Tools
MCAC04A51	Cloud Application Development
Elective Courses Group 2 [Any ONE Domain to be opted]	
Domain 1	
MCAS04A51	NoSQL Databases
MCASP2A51	Project on NoSQL Databases
Domain 2	
MCAT04A51	Machine Learning and Deep Learning Techniques
MCATP2A51	Project on Machine Learning and Deep Learning Techniques
Domain 3	
MCAU04A51	Digital Image Processing
MCAUP2A51	Project on Digital Image Processing
MSE4L2A51	Python Programming Practical
[Any ONE to be opted]	
MAE501A01	Aptitude Enhancement Sessions
MEX5A1A01	Extension Activity

III Semester

Course Code	Course Title
MCA204A31	Web Technologies
MCA204A32	Data Mining and Data Warehousing
MCA204A33	Information Security
MCA204A34	Object Oriented Analysis and Design using UML
MCA2L2A31	Web Programming Practical
MCA2P2A31	Software Engineering Mini Project As per Annexure II
MSE4L2A31	Research Methodology
[Any ONE to be opted]	
MKT5S1A01	Knowledge Transfer Sessions
MSD5L1A01	Software Development

IV Semester

Course Code	Course Title
MCA204A41	Middleware Technologies
MCA204A42	Data Science and Big Data Analytics
MCA204A43	Artificial Intelligence and Expert Systems
MCA2L2A41	Network Programming Practical
MCA2P2A41	Enterprise Computing Project
Elective Courses [Any ONE from each group to be opted]	
Group 1	
MCAA04A41	System Simulation
MCAB04A41	Theory of Computation

VI Semester

Course Code	Course Title
MCA2P0A61	Major Project



M.Sc. Master of Computer Science



Programme Overview

The Post Graduate Department of Computer Science offers Master of Science in Computer Science (M.Sc). The Programme aims to develop core competence in Computer Science and prepare the students to take up a career in the highly competitive IT industry as well as carry out research and development. The programme comprises of full-time four semesters including a Major project in the fourth semester. The principal objective of the programme is to shape the youth with core competence in various thrust areas of Computer Science with sound knowledge of theory and hands on practical skills. It also allows the students to specialize in the areas of their interests.

Eligibility

The candidate with B.Sc. (Computer Science) or BCA with Mathematics as one of the subjects and at least 50% marks in the aggregate of all optional subjects or B.Sc. (PCM) graduates with P.G. Diploma / Certificate Course in Computer Science of one year duration are eligible.

Training beyond Curriculum

Formal classroom sessions are supplemented with frequent guest lectures by experts from the industry and academia. To give a more professional touch to the training programme, Student Seminar Series, International Lecture Series, Tech Talk Series, Industry Institute Interface (3i) sessions, Webinars, Technological Transformation from Industrial experts and workshops are arranged on various topics such as contemporary developments in computer technology, group dynamics, leadership and managerial skills, presentation skills, human relation and teamwork, etiquette, etc. In addition to these, students are trained effectively to take part and excel in Inter-collegiate IT competitions that are conducted at regional and national levels.

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Course Matrix

I Semester

Course Code	Course Title
MCS204A11	Advanced Java Programming
MCS204A12	Data Structures and Algorithms
MCS204A13	Advanced Computer Architecture
MCS204A14	Advanced Computer Networks
MCS204A15	Theory of Computation
MCS2L2A11	Advanced Java Programming Practical
MCS2L2A12	Data Structures and Algorithm Analysis Practical
MSE4L2A11	Soft Skills
MTC5S1A01	Technical Community Presentations

II Semester

Course Code	Course Title
MCS204A21	Advanced Web Technologies
MCS204A22	Advanced Relational Database Management System
MCS204A23	Advanced Software Engineering
MCS204A24	Advanced Operating Systems and Distributed Systems
MCS204A25	Quantitative Techniques
MCS2L2A21	Web Technologies Practical
MCS2P2A21	Software Engineering Mini Project
MSE4L2A21	.NET Programming Practical
[Any ONE to be opted]	
MIE5A1A01	Industry Exposure
MWK5A1A01	Workshop

III Semester

Course Code	Course Title
MCS204A31	Artificial Intelligence and Expert Systems
MCS204A32	Soft Computing
MCS204A33	Data mining and Knowledge Management
MCS2L2A31	Data Mining Practical using Rapid Miner / Weka
Elective Courses [Any ONE Domain to be opted]	

Domain I

MCSA04A31	Mobile Application Development
MCSAP2A31	Mini Project on Mobile Application Development

Domain II

MCSB04A31	Advanced Multimedia and Applications
MCSBP2A31	Mini Project on Advanced Multimedia and Applications

Domain III

MCSC04A31	Cloud Computing
MCSCP2A31	Mini Project on Cloud Computing

Domain IV

MCSD04A31	Wireless Sensor Networks and IoT
MCSDP2A31	Mini Project on Wireless Sensor Networks and IoT
MSE4L2A31	Generic Elective as per Annexure II Research Methodology
[Any ONE to be opted]	
MKT5S1A01	Knowledge Transfer Sessions
MSD5L1A01	Software Development

IV Semester

Course Code	Course Title
MCS204A41	Compiler Design
MCS204A42	Data Science and Analytics
MCS2P8A41	Major Project
Elective Courses [Any ONE to be opted]	
MCSA04A41	Network and Information Security
MCSB04A41	NoSQL Databases
MCSC04A41	Advanced E-Commerce and M-Commerce
MCSD04A41	Distributed and Parallel Computing
MSE4L2A42	Python Programming Practical
[Any ONE to be opted]	
MAE501A01	Aptitude Enhancement Sessions
MRP5R1A01	Research Paper Presentation/ Publication

M.Com Master of Commerce



Programme Overview

The M.Com Programme is designed to prepare the students in teaching, undertake quality research and to meet the challenges in industry. The need of the current business environment for acquiring skills and competence is thoroughly stressed upon in the formation of the syllabus.

Aim of the Programme

The M.Com Programme is designed to prepare students to take up the responsibilities in various functional areas in an organization, develop teaching impetus among students make them qualified for teaching profession, equip students to build their professional qualification, impart experiential learning to provide practical exposure on the subjects and to develop social and ethical values among students for conducting business.

Programme Highlights

- Teaching assignments / Paper Presentation / Publication of research papers.
- Students have the option to choose the electives (Finance or Accounting and Taxation) during III and IV Semesters.
- Orientation for appearing NET / SET Examinations.
- Samshodhan- A research forum to develop research aptitude among students.
- Gramasamveditha - Rural Exposure Programme (REP)
- Gurukul - An in-house seminar aimed at preparing students for paper presentation and publication.
- Sergeant - An initiative For those students aspiring to pursue teaching as a career the department offers an opportunity to teach the UG students for specified hours under the guidance of course teacher. This practice has produced bountiful teachers from the College.
- Livewire- It is essential for a person to understand and know the business environment he/she works with. Through this event, students discuss latest developments that take place in the business world from time to time. Livewire also gives importance to communication and presentation skills.

Eligibility

A candidate who has passed the B.Com/ BBM/ BBA/ BBS Degree examination of Bangalore University or of any other University recognized as equivalent thereto and has secured not less than 50% of the marks (45% for SC / ST of Karnataka Domicile) in the aggregate shall be eligible for admission to the course.

Course Matrix

I Semester

Course Code	Course Title
MCO204A11	Macro Economics
MCO204A12	Business Accounting
MCO204A13	International Business
MCO204A14	Banking and Credit Risk Management
MCO204A15	Information System and Computers
MCO402A11	Corporate Communication

II Semester

Course Code	Course Title
MCO204A21	Advanced Financial Management
MCO204A22	Human Resource Management
MCO204A23	Research Methodology
MCO204A24	Operations Research
MCO204A25	Business Marketing
MCO402A21	Business Legal System
Any ONE to be opted	
MEX5A2A01	Extension Activity
MOL502A01	Online Course

III Semester

Course Code	Course Title
MCO204A31	Financial Markets and Institutions
MCO204A32	Direct Taxation
Elective Groups [Any ONE to be opted]	
Accounting and Taxation	
MCOA04A31	Strategic Cost Management
MCOA04A32	Advanced Business Accounting
MCOA04A33	Direct Tax Planning
Finance	
MCOB04A31	Strategic Financial Management
MCOB04A32	Financial Services and Investment Banking
MCOB04A33	Security Analysis and Portfolio Management As per Annexure II

IV Semester

Course Code	Course Title
MCO204A41	Business Ethics and Corporate Governance
MCO204A42	Business Environment and Strategic Management
MCO2P4A41	Project Report and Viva Voce
Elective Groups [Any ONE to be opted]	
Accounting and Taxation	
MCOA04A41	Goods and Services Tax
MCOA04A42	Advanced Management Accounting
MCOA04A43	Corporate Reporting and Ind AS
Finance	
MCOB04A41	Commodity Markets
MCOB04A42	Insurance and Risk Management
MCOB04A43	International Financial Management
Any ONE to be opted	
MRP5R2A01	Research Paper Presentation/ Publication
MTA5A2A01	Teaching Assignment

Note: Teaching assignment - students will be undertaking 15 hours of teaching assignment during their III semester and IV semester M.Com (OR) student must present research paper in in-house seminar/ conference and any one seminar/ conference conducted by other colleges or publish a research paper with ISBN or ISSN.

Total Credits: I & II Sem (44 Credits) + III & IV Sem (44 Credits) + GE Credits (4Credits) + /Paper Presentation in seminars and Conferences/Paper Publication (2 Credits) + Rural Exposure/Teaching Assignment (2 Credits) + Online Course(4 Cedits) = 100 Credits.



M.Com (Financial Analysis) with CIMA



Programme Overview

The Master of Commerce (Financial Analysis) is a four semester program providing theoretical and practical inputs to students in all dimensions like public, corporate and personal finance which will be much useful for business development, strategic planning, alliance management and decision making. Highly specialized knowledge in the area of Finance, Taxation and Accounting will help the candidate to earn a rewarding career in the financial job market.

Aim of the Programme

The broad objectives of M.Com (Financial Analysis) programme are to impart students with professional education and training in various aspects of business and its environment. It also provides them with opportunities to develop managerial and analytical skills in order to meet the challenges of business at the national and global levels.

Eligibility

Candidates having Bachelor's or Master's Degree in Commerce/Accounting/Management /Economics from any recognized University and have secured at least 50% Marks (45% for SC / ST of Karnataka Domicile) in the aggregate of all papers studied in the qualifying examinations, are eligible for admission to this course.

Highlights

- The programme enables the students to obtain CIMA qualification which is the joint venture between AICPA, USA and CIMA , UK and CGMA Recognition after two years of relevant experience in Auditing, Taxation, Accounting and Finance Industry.
- The programme enables the students to avail 11 paper exemption to obtain CIMA qualification.

Course Matrix

I Semester

Course Code	Course Title
MFA204A11	Financial Reporting
MFA204A12	Management Accounting
MFA204A13	Organisational Management
MFA204A14	Economics for Business Decisions
MFA204A15	Quantitative Techniques for Accounting and Finance
MFA402A11	Financial Markets

III Semester

Course Code	Course Title
MFA204A31	Financial Strategy
MFA204A32	Risk Management
MFA204A33	Strategic Management
MFA204A34	Advanced E-Commerce
MFA204A35	Direct Taxation
	As per Annexure II

II Semester

Course Code	Course Title
MFA204A21	Advanced Financial Reporting
MFA204A22	Advanced Management Accounting
MFA204A23	Project and Relationship Management
MFA204A24	Information Technology for Accounting and Finance
MFA204A25	Security Analysis and Portfolio Management
MFA402A21	Business Research Methods
Any ONE to be opted	
MEX5A2A01	Extension Activity
MOL502A01	Online Course

IV Semester

Course Code	Course Title
MFA204A41	Business Ethics and Corporate Governance
MFA204A42	Derivatives Management
MFA204A43	Goods and Services Tax
MFA204A44	Strategic Financial Management
MFA204A45	International Financial Management
MFA2P4A41	Project Report and Viva Voce
MRP5R2A01	Research Paper Presentation/ Publication

MSW Master of Social Work

Programme Overview

Grounded on an obligation to skill oriented approach to Social Work, the Department of Social Work equips students for exceptional Social Work practice since its inception. Rooted in social justice and human rights, the Department of Social Work has constantly strives to prepare professionals who could make a marked difference in the society without compromising on ethics and values of the profession. The budding Social Work students are provided with umpteen numbers of opportunities to build their knowledge and skills on the foundational values of social fairness and a compassionate society. The emphasis is on analytical enquiry and intellectual curiosity through experiential learning by the amalgamation of theory, practice and research. Subject experts on current areas of Social Work have been on and off invited for lectures for the benefit of students to get a better understanding of social realities. The curriculum of the course is designed in such a way that it keeps pace with the changing times across the globe and testimony to this fact is all our alumni are personally, professionally and socially successful in their professional endeavors.

Objectives of the Programme

The following objectives are aimed to prepare students for a career in social work through a professional training programme:

- Knowledge, skills, attitudes and values appropriate to work with individuals, groups, communities and organizations.
- Skills to integrate theory and practice.
- Provide interdisciplinary collaboration for better understanding of human problems, services and issues related to human development.
- Developing ability to apply social work skills in practice and social work research in different fields for the empowerment of people and to promote social change.
- Inculcating attitudes and values necessary for working with government and non-governmental organizations for achieving the goals of social work.

Curriculum Highlights

- The mission, values and goals of the college reflect the ethics and values of the social work profession. The curriculum provides a basis for exemplary community leadership and service and also prepare students for ethical social practice.
- The orientation programme familiarizes students on the culture and decorum of the college and the department.
- Formal classroom sessions are supplemented with lectures by experts from industry, social and healthcare sectors and academia.
- Emphasis on social touch in all the training programmes, seminars, workshops and panel discussions.
- Students are given an opportunity to understand Indian social system (Rural, Urban and Tribal).
- Student competency is fine tuned through Life Skills Education and learning opportunities at the field.



Add on Courses

The following Add on Courses are offered to enrich the professional knowledge base of the students:

- Life Skills for Social Work Professionals • Gender Sensitivity Training • Transactional Analysis for Social Work Professionals • Participatory Rural Appraisal • Corporate Social Responsibility • Disaster Management • Project Cycle Management and Fund Strategies • Health Care Administration • Development Communication

Eligibility

Candidates with any Bachelor's Degree or its equivalent (under the 10+2+3 years) in any discipline with minimum 50% marks (45% for SC / ST of Karnataka Domicile) from a recognized university are eligible to apply.

Centre for Research in Social Work

The Department of Social Work is a recognized Centre for Research leading to Ph.D degree. The Center tries to advance the knowledge in the field of social work research through scientific innovation, collaborative work with other national and international organizations.

In addition to offering Ph.D. in Social Work, the Department takes up minor and major research projects for National and International organizations. The Department has successfully completed several research projects in the past years.

Additional Highlights

Distinguished Lecture Series (DLS)

- The Department conducts Distinguished Lecture Series (DLS) wherein Distinguished International Social Workers are invited to address the students on diverse social work practice across the globe.

Journal Article Review

- In order to fine-tune the research and analytical skills and to enhance the presentation expertise of the students, the Department conducts weekly colloquiums to review a Journal Article in the Field of Social Sciences.

Social Documentary Film Analysis

- To instill social awareness and inquisitiveness among students, the Department also has Social Documentary Film analysis wherein socially relevant documentaries are screened for discussions and deliberations.

Course Matrix

I Semester

Course Code	Course Title
MSW204A11	History and Philosophy of Social Work
MSW204A12	Sociology for Social Workers
MSW204A13	Social Case Work
MSW204A14	Social Group Work
MSW2F6B11	Concurrent Field Work I
MLE5A2A01	Life Skills Education for Social Work Professionals

II Semester

Course Code	Course Title
MSW204A21	Counselling: Theory and Practice
MSW204A22	Psychology for Social Workers
MSW204A23	Community Organization and Social Action
MSW204A24	Social Work Research and Statistics
MSW2F6B21	Concurrent Field Work II
MSW2F2A22	Social Work Camp
MGS502A01	Gender Sensitization Training

III Semester

Course Code	Course Title
MSW204A31	Social Welfare Administration
MSW2F6B31	Concurrent Field Work III
MSW2F2A32	Minor Project
Elective Groups [Any ONE to be opted]	
Human Resource Management	
MSWA04A31	Human Resource Management
MSWA04A32	Labour Legislations
Medical and Psychiatric Social Work	
MSWB04A31	Social Work in Health Care
MSWB04A32	Family Social Work
Social Development	
MSWC04A31	Rural and Tribal Community Development
MSWC04A32	Project Formulation and Management As per Annexure II

IV Semester

Course Code	Course Title
MSW203B41	Correctional Social Work
MSW203B42	Social Justice and Empowerment
MSW2P6A41	Dissertation
MSW2F6B41	Concurrent Field Work IV
MSW2F4A42	Block Placement
Elective groups [Any ONE to be opted]	
Human Resource Management	
MSWA04A41	Industrial Relations
MSWA04A42	Organizational Behaviour
Medical and Psychiatric Social Work	
MSWB04A41	Psychiatric Social Work
MSWB04A42	Health Care Administration
Social Development	
MSWC04A41	Urban Community Development
MSWC04A42	Social Entrepreneurship

M.Sc. Biotechnology

Programme Overview

Biotechnology is a series of enabling technologies which involves the engineering of living organisms or their sub-cellular components to provide useful products. Scientific and engineering principles are applied to the processing of materials by biological agents to provide goods and services. It is an interdisciplinary subject with wide ranging applications in different fields such as food, medicine and agriculture which are of profound benefit to mankind. Biotechnology also extends to the application of DNA-based technology, Immunology, Biochemistry and Microbiology to make new products and provide services in the areas of healthcare, agriculture, food and environment. Biotechnological developments are going on continuously to overcome problems like malnutrition, environmental pollution, gene therapies, vaccines, diagnostic kits production, etc. Biotechnology is the science of the 21st century. It holds immense potential for both research and career. With science and technology now at the nanoscale, the new branch nano-biotechnology is creating a spectrum of technological developments and will provide the key to resolving many biological questions. The trend created for an ever increasing job market for individuals trained in biotechnology is never to be underestimated.

Eligibility

B.Sc Degree of a recognized University with 50% marks (45% for SC / ST of Karnataka Domicile) in aggregate. The applicant should have studied Chemistry / Bio-chemistry compulsorily as an optional subject along with atleast one of the following subjects:

Biotechnology / Microbiology / Botany / Applied Botany / Zoology / Applied Zoology / Industrial Microbiology / Environmental Science / Genetics / Applied Genetics / Sericulture / Home Science / Life Science / Biology / Biological Science. The candidates with Bachelor of Science degree in Agriculture / Horticulture / Forestry / Fisheries / Veterinary / Dairy and B.E. (Biotech) / B.Tech. (Biotech) are also eligible to apply.

Course duration: 2 years (4 semesters)

Bioscience Lab

The department of Life Sciences features four hi-tech laboratories. These labs are fully equipped to serve the students with a scientific temperament, willing to pursue projects and research. The bioscience lab is equipped with instruments like Eppendorf and Veriti master cyclers, electrophoretic units, CO₂ incubator, biosafety cabinet, laminar air flow chambers, refrigerated centrifuge, shaker incubators, conventional microscopes, inverted microscope, digital colony counter, gerber centrifuge, shaker incubator, soxhlet apparatus, UV spectrophotometer, etc., to cater the needs of laboratory experiments and research.



Ph.D (Biotechnology)

Research Programme

The Department has been endowed the status of a Research Centre in Biotechnology of Bangalore University. The rising academic interest in interdisciplinary courses covering vast areas of Biological Sciences viz., Biotechnology, Genetic engineering, Biochemistry and Microbiology has been instrumental in starting the Research Centre. The commitment of the faculty members to educational excellence is underscored by their efforts through research promotion, that the students have the opportunity to develop professionally, take their skills into the broader community, explore the globe and become well rounded relevant scientific leaders.

The Life Sciences Research Centre features laboratories with facilities for full scale research in Plant Biotechnology & Tissue Culture, Microbiology and Microbial Technology, Animal Cell Culture and Biochemistry. The faculty members are approved guides of many universities and have investigated funded projects. The research centre has received research grants from State and International agencies.

Eligibility

A candidate who has obtained a Master's Degree from Bangalore University or any University/institution in the State or from any other University recognized as equivalent thereto securing not less than 55% marks (50% in the case of SC / ST candidates) in the aggregate at the Master's Degree programme as a whole shall be eligible to register for the Ph.D. Degree Programme.

A candidate who has qualified as indicated above shall be eligible on the basis of a centralized examination and evaluation system conducted by Bangalore University. However, in the case of a candidate who has passed the CSIR JRF or equivalent exam or belongs to FIP/QIP programme or any other tests/examinations conducted by National bodies will be exempted from appearing for entrance test. Candidates selected to work under funded projects shall also fulfill the requirement of eligibility.

Course Matrix

I Semester

Course Code	Course Title
MBT204A11	Cell Biology
MBT204A12	Molecular Genetics
MBT204A13	Biochemistry
MBT204A14	General Microbiology
MBT2L4A11	Cell Biology and Molecular Genetics Practical
MBT2L4A12	Biochemistry and General Microbiology Practical
MLS402A11	Biostatistics

II Semester

Course Code	Course Title
MBT204A21	Biochemical Techniques and Enzymology
MBT204A22	Molecular Biology
MBT204A23	Immunology and Immunotechnology
MBT204A24	Environmental Biotechnology
MBT2L4A21	Biochemical Techniques, Enzymology, Immunology and Immunotechnology Practical
MBT2L4A22	Molecular Biology and Environmental Biotechnology Practical
MLS402A21	Bioinformatics
MEX5A1A01	Extension Activity

III Semester

Course Code	Course Title
MBT204A31	Genetic Engineering
MBT204A32	Medical Biotechnology
MBT2L4A31	Genetic Engineering and Medical Biotechnology Practical

Elective groups [Any ONE to be opted]

Group 1

MBTA04A31	Animal Cell Culture and Biotechnology
MBTAL2A31	Animal Cell Culture and Biotechnology Practical
MBT402A31	Essentials of Plant Biotechnology

Group 2

MBTB04A31	Plant and Agricultural Biotechnology
MBTBL2A31	Plant and Agricultural Biotechnology Practical
MBT402A32	Essentials of Animal Cell Culture and Biotechnology As per Annexure II
MLS402A31	Research Methodology
MIE5I2A01	Industry Institution Exposure

IV Semester

Course Code	Course Title
MBT204A41	Bioprocess Engineering and Biosafety
MBT204A42	Genomics and Proteomics
MBT2L4A41	Bioprocess Engineering and Proteomics Practical
MBT2P6A41	Project
MLS402A41	Intellectual Property Rights and Bioethics
MRE501A01	Research Empowerment Seminar



M.Sc. Microbiology

Programme Overview

Microbiology is the scientific in-depth study of the microbial universe, diversity of microorganisms and their effects on other living organisms. Microbiology is a vast field abounding with opportunities. Micro-organisms have been recognized as ideal model systems for the study of basic biological processes. Across the globe, innumerable researches are being carried out in different disciplines of Microbiology, from isolating genes responsible for various ailments to finding a cure for complex diseases caused by microbes.

Human history is full of examples of major devastations caused by bacteria and viruses. Originally, emphasis was placed on harmful micro-organisms which cause disease or spoilage of beverages and food. It is now recognized that many microbes have essential roles in our ecosystem or can be used to accomplish beneficial tasks. The discovery of new micro-organisms has opened the door to industrial and food microbiology technologies which contribute substantially to today's way of life. In various ways microbes participate in environmental cycling and degradation and global change. There are a lot of specialized fields that one can follow in Microbiology such as Immunobiology, Epidemiology, Environmental Microbiology, Industrial Microbiology, Mycology, Bacteriology, Virology, Microbial metabolism, Pathology, Medical Microbiology, Microbial Genetics, etc.

Eligibility

B.Sc Degree of a recognized University with 50% marks (45% for SC / ST of Karnataka Domicile) in aggregate. The applicant should have studied Chemistry / Bio-Chemistry compulsorily as an optional subject along with at least one of the following subjects: Microbiology / Biotechnology / Botany / Applied Botany / Zoology / Applied Zoology / Industrial Microbiology / Environmental Science / Genetics / Applied Genetics / Sericulture / Home Science / Life Science / Biology / Biological Science. The candidates with Bachelor of Science degree in Agriculture / Horticulture / Forestry / Fisheries / Veterinary / Dairy and B.E. (Biotech) / B.Tech. (Biotech) are also eligible to apply.

Course duration: 2 years (4 semesters)

Course Matrix

I Semester

Course Code	Course Title
MMB204A11	Bacteriology and Virology
MMB204A12	Eukaryotic Microbiology
MMB204A13	Microbial Physiology and Biochemistry
MMB204A14	Microbial and Biochemical Techniques
MMB2L4A11	Bacteriology, Virology and Eukaryotic Microbiology Practical
MMB2L4A12	Microbial Physiology, Biochemistry, Microbial and Biochemical Techniques Practical
MLS402A11	Biostatistics

III Semester

Course Code	Course Title
MMB204A31	Recombinant DNA Technology
MMB204A32	Medical Microbiology
MMB2L4A31	Recombinant DNA Technology and Medical Microbiology Practical
Elective groups [Any ONE to be opted]	
Group 1	
MMBA04A31	Food and Dairy Microbiology
MMBAL2A31	Food and Dairy Microbiology Practical
MMB402A31	Essentials of Parasitology
Group 2	
MMBB04A31	General Parasitology
MMBBL2A31	General Parasitology Practical
MMB402A32	Essentials of Food Microbiology As per Annexure II
MLS402A31	Research Methodology
MIE5I2A01	Industry-Institution Exposure

II Semester

Course Code	Course Title
MMB204A21	Microbial Genetics
MMB204A22	Molecular Biology
MMB204A23	Immunology and Immunotechnology
MMB204A24	Agricultural and Environmental Microbiology
MMB2L4A21	Microbial Genetics, Immunology and Immunotechnology Practical
MMB2L4A22	Molecular Biology, Agricultural and Environmental Microbiology Practical
MLS402A21	Bioinformatics
MEX5A1A01	Extension Activity

IV Semester

Course Code	Course Title
MMB204A41	Genomics and Proteomics
MMB204A42	Fermentation and Microbial Technology
MMB2L4A41	Proteomics, Fermentation and Microbial Technology Practical
MMB2P6A41	Project
MLS402A41	Intellectual Property Rights and Bioethics
MRE501A01	Research Empowerment Seminar



M.Sc. Biochemistry

Programme Overview

Msc Biochemistry is a 2 year programme spanning across 4 semesters offered by the Department of Life Sciences under the Deanery of Science. The programme comprises of theory papers in Biophysical and Bio-organic chemistry, Analytical Biochemistry, Physiology, Nutrition, Enzymology, Metabolism, Microbiology, Molecular Biology, Molecular Physiology, Plant Physiology, Biochemical Genetics, Biotechnology, Immunology and Toxicology. The students secure practical knowledge in

General Biochemistry, Immunochemical & Biochemical techniques, Enzymology, Clinical Biochemistry, Molecular Biology, Genetic Engineering and Protein chemistry and also includes execution and submission of a discipline specific project. Biochemistry has a central role in life sciences and biochemical approaches are often fundamental in illuminating the causes of diseases and has created conceivable outcomes for new pharmaceutical products and therapeutic practices that will impact the prevention, diagnosis and treatment of human ailments. Almost all areas of life sciences are being uncovered and developed by biochemical methodology and research.

A postgraduation in Biochemistry paves the way for job opportunities in both private and public sector which includes Biotechnology, Food and Drink industries, Industrial Laboratories, Drug and Chemical manufacturing companies, Public Health Entities, Blood Service, Cancer research institutes, Research Departments, Educational Institutes, Environmental Pollution Control, Agriculture and Fisheries, Forensic Science, Hospitals, Medical Instrument companies, Public Health Laboratories, Quality control and Safety Departments of food, pharmaceuticals and cosmetic industries.

Eligibility

B.Sc Degree of a recognized University with 40% marks in the aggregate of all subjects and 50% marks in Chemistry or Biochemistry (as cognate subject) and studied Biology at PUC or 10+2 level.

Graduates who have completed B.Sc., Biochemistry B.Sc., Genetics B.Sc., Biotechnology B.Sc., Animal Sciences B.Sc., Microbiology/Environmental Sciences B.Sc., Bioinformatics B.Sc., Zoology B.Sc., Applied Chemistry B.Sc., Food Science and Nutrition B.Sc., Chemistry B.Sc., Botany B.Sc., Clinical Lab Technology B.Sc., Medical Lab Technology, All Branches in Life Sciences and who have studied Chemistry or Biochemistry compulsorily as cognate subject are eligible to apply.

Course Duration: 2 years (4 Semesters)

Course Matrix

I Semester

Course Code	Course Title
DSCC	Biophysical and Bio - organic chemistry
DSCC	Biomolecules
DSCC	Analytical Biochemistry - I
DSCC	General Physiology
SEC	Nutrition
DSCL	Gen. Biochemistry - I Practical
DSCL	Gen. Biochemistry - II Practical

II Semester

Course Code	Course Title
DSCC	Enzymology
DSCC	Analytical Biochemistry - II
DSCC	Metabolism - I
DSCC	Membrane Biochemistry
SEC	Microbiology
DSCL	Immunochemical & Biochemical techniques Practical
DSCL	Enzymology Practical

III Semester

Course Code	Course Title
DSCC	Molecular Biology - I
DSCC	Molecular Physiology
DSEC	1. Metabolism - II 2. Plant Physiology
GET	Open Elective**
DSCL	Clinical Biochemistry Practical
DSCL	Molecular Biology Practical

IV Semester

Course Code	Course Title
DSCC	Molecular Biology - II
DSCC	Biochemical Genetics
DSCC	Biotechnology
DSCC	Immunology and Toxicology
DSCL	Genetic Engineering and Protein chemistry Practical
DSCP	Project work

** Non- Biochemistry Paper



M.Sc. Psychology

Programme Overview

M.Sc. Psychology is a two year programme spread over four semesters. This programme enables students to develop a holistic outlook towards life and prepares them for their career by imparting in-depth knowledge, critical thinking and skills in various fields of Psychology. A broad theoretical framework in Psychology is designed and taught through core courses along with practical sessions and research. This enables students to learn the different methods employed in the assessment and analysis of various behavioural processes. The entire programme offers applied experiences through practical or internship in the field as well as research experiences through independent studies, projects or dissertations supervised by faculty.

Specializations Offered

Clinical Psychology, Industrial Psychology and HRD & Counselling Psychology

Curriculum Highlights

- Specializations that equip students to develop knowledge and skills in the field of Industrial / Clinical / Counselling begin from the second semester.
- To enhance employability, inter specialization exposure is provided in the Fourth Semester.
- Research colloquium - organized once a week to create research temperament in the new areas of behavioral science. It enables the students to employ empirical methods to infer causal and correlational relationships between psychosocial variables.
- Internship Programme - Forty five days full time internship is undertaken during the fourth semester in Clinical, Industrial and Counseling settings to enhance experiential learning.
- Field exposure - To ensure hands on experience about the work patterns in NGOs, special schools and industries. Special projects, assignments, and extension programmes are undertaken to provide students an opportunity to explore and apply the acquired knowledge in different areas of Psychology.

Eligibility

Candidates having a bachelor's degree in Psychology with minimum of 3 years duration or its equivalent fulfilling the mandatory requirements from a recognized Indian / Foreign University with 50% marks or equivalent CGPA in Psychology subject (45% for SC / ST of Karnataka Domicile) are eligible to apply.





Course Matrix

I Semester

Course Code	Course Title
MPS204B11	Theoretical Foundations of Behaviour
MPS204B12	Cognitive Neuroscience I
MPS204B13	Social and Community Psychology
MPY204B14	Research Methods in Behavioural Sciences
MPS2L3B11	Computer Applications in Behavioural Sciences Practical
MPS2L3B12	Computer Based Cognitive Neuroscience Assessments Practical
MPS2P2B11	Minor Project

II Semester

Course Code	Course Title
MPS204B21	Cognitive Neuroscience II
MPS204B22	Life Span Psychology
MPS204B23	Statistics in Psychology
MPS204B24	Applied Fields in Psychology
MPS2L3B21	Memory, Thinking and Learning Practical
MPS2L3B22	Personality Assessment Practical
MPS402B21	Rehabilitation Psychology
Any ONE to be opted	
MRP5R2A01	Research Paper Presentation/ Publication
MOL502A01	Online Course specified by the Department

III Semester

Course Code	Course Title
MPS204B31	Positive and Indigenous Psychology
Elective Groups [Any ONE to be opted]	
Clinical Psychology	
MPSA04A31	Clinical Psychology I
MPSA04A32	Psychotherapeutics I
MPSAL3A31	Assessment of Cognitive Abilities Practical

MPSAL3A32	Screening Test for Children Practical
MPSS04A31	Human Resource Psychology

Industrial Psychology and HRM

MPSB04A31	Human Resource Management
MPSB04A32	Human Resource Development
MPSBL3A31	Human Resource Assessment Practical
MPSBL3A32	Organizational Behaviour Profiling Practical
MPST04A31	Psychopathology

Counselling Psychology

MPSC04A31	Fundamentals of Counselling Psychology
MPSC04A32	Theories of Counselling and Psychotherapy
MPSCL3A31	Cognitive and Aptitude Assessment Practical
MPSCL3A32	Individual and Group Counselling Techniques Practical
MPST04A31	Psychopathology As per Annexure II

IV Semester

Course Code	Course Title
MPS204A41	Alternative Psychotherapeutics
MPS2P6A41	Research Oriented Practical and Dissertation
MPS2I4A41	Internship

Elective groups [Any one to be opted]

Clinical Psychology

MPSA04A41	Clinical Psychology II
MPSA04A42	Psychotherapeutics II

Industrial Psychology and HRM

MPSB04A41	Organizational Behaviour
MPSB04A42	Industrial Relations and Labour law

Counselling Psychology

MPSC04A41	Group and Family Counselling
MPSC04A42	Applied Areas of Counselling
MPY5A2A01	Psychoeducation and Field work

M.Sc. Counselling Psychology

Programme Overview

Counselling is the service offered to an individual or group undergoing a problem and needs professional help to overcome the problem. It aids to build a professional relationship that empowers diverse individuals, families and groups to accomplish mental health, wellness, education and career goals.

M.Sc. Psychological Counselling is a two-year programme, spread over four semesters. The curriculum is designed to offer essential training and practices in the areas of counselling enabling the students to acquire knowledge and competencies required to practice as a counselling supervisor in professional settings. It also aims to enhance skills required in assessment, therapy and in research.

Eligibility

B.A /B.Sc. three years course in Psychology or having studied at least one course in Psychology at the Graduate level or B.Ed. or P.G. Diploma in Counseling with 50% marks in aggregate.

Training beyond curriculum

The entire programme moulds students as counsellors and then, as a therapist with integrity and ethical responsibility. Various platforms where students get opportunities to interact with experts from professional settings give them a clear understanding of the professional world, the skills required and challenges as a counsellor.

Conferences, workshops, seminars and guest lectures are organized on various topics in counselling and therapy. The programme also provides opportunities to get applied experiences through practical assessments, internship in the fields and researches where students undertake independent studies, projects and dissertations supervised by faculty members. Field work creates the opportunity for students to equip themselves with micro and macro skills required for counselling.

Course Matrix

I Semester		II Semester	
Course Code	Course Title	Course Code	Course Title
MPC204B11	Introduction to Psychology	MPC204B21	Psychology and Individual Differences
MPC204B12	Theories of Counselling and Psychotherapy	MPC204B22	Social and Community Psychology
MPC204B13	Foundations of Professional Counselling	MPC204B23	Group Counselling
MPY204B14	Research Methods in Behavioural Sciences	MPC204B24	Understanding Psychopathology
MPC2L4B11	Individual Counselling Skills and Techniques Practical	MPC2L2B21	Group Counselling Practical
MPC2L4B12	Computer Applications in Behavioural Sciences Practical	MPC2F4B21	Supervised Concurrent Fieldwork I
MPC402B11	Statistics in Behavioural Sciences	Any ONE to be opted	
		MRP5R2A01	Research Paper Presentation/ Publication
		MOL502A01	Online Course specified by the Department
III Semester		IV Semester	
Course Code	Course Title	Course Code	Course Title
MPC204B31	Human Development	MPC204B41	Alternative Healing Practices
MPC2L4B31	Assessment for Counselling Practical	MPC204B42	Positive and Indigenous Psychology
MPC2P6B31	Research Oriented Practical and Dissertation	MPC204B43	Child and Adolescent Counselling
MPC2F4B31	Supervised Concurrent Fieldwork II As per Annexure II	MPC204B44	Educational and Career Counselling
Any ONE to be opted		MPC2F2B41	Supervised Concurrent Fieldwork III
MPCS04B31	Couple and Family Therapy	MPC2I4B42	Internship
MPCT04B31	Workplace Counselling	MRC5R2A01	Research Colloquium





M.A. Economics

Programme Overview

M.A. in Economics is an intensive two academic year programme designed in providing a sound theoretical background in the principles of economics and equipping students with analytical tools and techniques to become well-qualified economists. This programme also helps students to establish a platform for quantitative and qualitative applications, economic modeling and policy analysis. This programme is worthwhile to the students for effective understanding of the subject, strong analytical provoking and inter-disciplinary nature. The curriculum is designed with a teaching and evaluation methodology that ensures that the students are well trained with the latest knowledge and skills to cope with new and emerging challenges. The overall envisage of the M.A. Economics programme is to nurture the students in economic theory and practice and make them capable to solve social and economic issues through their economic professional career and multi-dimensional economic research.

Aim of the Programme

The broad objectives of the Masters in Economics Programme are to impart sound theoretical knowledge & economic ideologies to the students; teach them the quantitative and qualitative applications of these ideologies; impart experiential learning to provide practical exposure on the subjects; enable them to carry out theoretical, empirical, policy and inter-disciplinary research and equip the students to build their professional qualification.

Eligibility

A candidate who has passed BA Degree examination of Bangalore University (with Economics as one of the triple majors) or BA (Economics) of any other University as equivalent thereto and has secured not less than 50% of the marks in the aggregate (45% for SC/ST of Karnataka Domicile) in aggregate shall be eligible for admission to the course.

Course Matrix

I Semester

Course Code	Course Title
MEC204B11	Advanced Micro Economics
MEC204B12	Advanced Macro Economics
MEC204B13	History of Economic Thought
MEC204B14	Computer Applications for Economic Analysis
Any ONE to be opted	
MECA04B11	Agricultural and Rural Economics
MECB04A11	Industrial Economics
MEC402A11	Mathematical Methods for Economics

II Semester

Course Code	Course Title
MEC204B21	Welfare Economics
MEC204B22	Monetary Economics
MEC204B23	Econometrics
MEC204B24	Statistical Methods for Economics
MEC204B25	Public Economics
Any ONE to be opted	
MECA04B21	Economics of Gender
MECB04B21	Health Economics

Any ONE to be opted	
MEX5A2A01	Extension Activity
MOL502A01	Online Course

III Semester

Course Code	Course Title
MEC204B31	Research Methods for Economics
MEC204B32	International Economics
MEC204B33	Economics of Banking and Insurance
MEC204B34	Growth and Development
MEC204B35	Labour Markets and Institutions
As per Annexure II	

IV Semester

Course Code	Course Title
MEC204B41	Indian Economic Issues
MEC204B42	International Finance and Globalization
MEC204B43	Environmental & Natural Resource Economics
MEC204B44	Financial Economics
MEC204B45	EXIM Trade and Procedures
MEC2P4A41	Project Report and Viva Voce
Any ONE to be opted	
MRP5R2A01	Research Paper Presentation/ Publication
MTA5A2A01	Teaching Assignment

M.A. Mass Communication and Journalism

Programme Overview

The programme stresses a balance between the theoretical and practical aspects of Journalism and Mass Communication. The curriculum is carefully tailored to prepare students for careers in mass communication and Journalism, giving them the broad liberal arts education necessary to succeed as communicators in today's challenging media scenario. The prescribed curriculum focuses on identifying the Journalism competencies required to equip learners to sharpen their skills in a wide range like:

- Professional techniques of reporting, research writing, content development, editing, design and production
- The ability to use the tools of Journalism and to adapt to new technologies and innovative practices
- Professional understanding, including ethics
- Knowledge of Journalism's role in society, the organization and management of the news media, and laws circumscribing Journalism practice
- Knowledge of best practices and specializations in Journalism and Mass Communication

Eligibility

- Journalism candidates: Candidates who have passed the bachelor's degree with 50% of marks in the aggregate of all examinations of the degree in the optional subjects of Journalism shall be eligible for admission.
- Non- Journalism Graduates: Candidates who have passed the bachelor's degree examination of Bangalore University or any other University recognized as equivalent with 50% of marks in the aggregate

Course Matrix

I Semester		II Semester	
Course Title		Course Code	Course Title
MJC204B11	Introduction to Communication	MJC204A21	Media Research
MJC204B12	Media Laws and Ethics	MJC204B22	Theories of Communication
MJC204B13	Reporting and Writing	MJC204B23	Radio Journalism
MJC204B14	Advanced Editing Techniques	MJC204B24	Introduction to Film Studies
MJC204B15	Photojournalism	MJC204B25	Advertising
MJC2L2A11	Lab Journal Production [Practical]	MJC204B26	New Media Journalism
MJC2L2A12	Photo Feature Production [Practical]	MJC2L2B21	Radio Feature Production [Practical]
MJC402B11	Introduction to Design Concepts	MJC2L2A22	New Media Production [Practical]
III Semester		IV Semester	
Course Code	Course Title	Course Code	Course Title
MJC204B31	Development Communication	MJC204A41	Media Management
MJC204B32	Television Journalism	MJC2L2A42	Advertising Production [Practical]
MJC204B33	Corporate Communication	MJC2I4A41	Internship
MJC2L2A31	Video News Production [Practical]	MJC2P6A41	Dissertation
Elective Course [Any one to be opted]		Elective course [Any one to be opted]	
MJCA04A31	Business Journalism	MJCA04A41	Magazine Journalism
MJCB04B31	Data Journalism and Visualization As per Annexure II	MJCB04A41	Technical Writing
MJC402A31	Environmental Communication	Elective Project [Any one to be opted]	
ECE [Any one to be opted]		MJCAP2B41	Short Film Production
MEX5A2A01	Extension Activity	MJCBP2B41	Documentary Production
MIP5R2A01	In-house Publication	MJCCP2B41	Corporate Communication Production
		MJCDP2B41	Magazine Production
		ECE [Any one to be opted]	
		MOL502A01	Online Course
		MRP5R2A01	Research Paper Presentation/ Publication





M.A. English Literature

Programme Overview

The Masters in English Literature is a two-year PG programme comprising of four semesters. The Department is committed to providing the students with a learning environment that supports their growth as individuals and professionals. The curriculum features a sophisticated understanding and insightful study of British Literature, American Literature, Literature of the Diaspora, Post-Colonial Literatures, Gender Studies, Film Studies and English language Teaching with an emphasis on research. The students also learn critical tools for analyzing literature through broad course requirements in poetry, narrative and methodology. It also develops in students, strong analytical skills and a grounding in diverse critical and theoretical approaches. The course introduces students to advanced studies and scholarly activities, providing an avenue to seek career in university teaching and literary scholarship, paving the way towards transformation of societies.

Eligibility

Graduates who have secured 50% in the aggregate of all subjects and 50% marks in the cognate subject in the qualifying University examinations are eligible to apply. Candidates with B.A., B.Sc., BBA or B.Com Degree are eligible to apply provided they have scored 50% in the Language concerned in the degree course.

Course Matrix

I Semester

Course Code	Course Title
MEL204B11	Linguistics
MEL204B12	Shakespearean Studies
MEL204B13	The Augustan Age
MEL204A14	The Romantic Age
MEL204B15	The Victorian Age
MEL402A11	Life Writing

II Semester

Course Code	Course Title
MEL204B21	The Modern Age
MEL204B22	Indian Writing In English
MEL204B23	Literary Theory and Criticism I
MEL204A24	Subaltern Literature
MEL204B25	American Literature
MEL402B21	Creative Writing
MEX5A1A01	Extension Activity

III Semester

Course Code	Course Title
MEL204A31	English Language Teaching
MEL204A32	Research Methodology
MEL204A33	Postcolonial Literature
MEL204B34	Literary Theory and Criticism II

Any ONE to be opted

MELA04A31	Gender Studies
MELB04A31	Film Studies
As per Annexure II	

Any ONE to be opted

MIP5R1A01	In-house Publication
MTP5A1A01	Theatrical Production

IV Semester

Course Code	Course Title
MEL204A41	Literature from Diaspora
MEL204A42	Indian Literatures in Translation
MEL204A43	World Literature
MEL2P6A41	Dissertation
MEL2I4A41	Internship

Any ONE to be opted

MELA04A41	Russian Literature
MELB04A41	French Literature

Any ONE to be opted

MOL502A01	Online Course
MRP5R2A01	Research Paper Presentation / Publication

Admission

Special Features

- No capitation fee
- Calm and serene atmosphere to study
- Passionate faculty members
- Well-equipped library & laboratories
- Specialized training programmes for personality development
- Separate hostels for boys & girls
- Hostels for girls managed by Rev. Sisters
- Opportunities for sports & co- curricular activities
- Frequent industry-institution interaction

General Rules

1. Students are expected to abide by the rules and regulations of the college
2. Ragging in any form is strictly prohibited
3. Permission to appear for end semester examination will not be granted unless :
 - A student has put in minimum 85% of attendance in each course during the academic year
 - A student gets the minimum pass mark in examinations conducted by the college as per the norms laid down by the college
 - The Principal is satisfied with the character and conduct of the student

Application Forms

Prospectus and online application form can be downloaded from the college website www.kristujayanti.edu.in. Aspiring candidates are requested to apply online.

Admission Procedure

On successful submission of online application forms, the applicants will be called for counselling. Dates of counselling session will be announced on the college website and by e-mail

Documents Required

- Degree Certificate or Equivalent / Marks Card
- Conduct Certificate
- Migration Certificate (in case of students who completed degree other than Karnataka State)

For Foreign Students

- Degree Certificate or Equivalent / Marks Card
- Valid student VISA
- Residential permit from the police commissioner of Bengaluru City
- HIV test clearance certificate



Management Team



Fr. Emmanuel P. J.
Faculty, Dept. of Psychology

Fr. Lijo P. Thomas
H.O.D, Computer Science
Financial Administrator

Fr. Josekutty P. D.
Principal

Rev. Dr. Augustine George
Vice Principal

Fr. Som Zacharia
Director, Library and Information
& Infrastructure Development

Kristu Jayanti School of Management

MBA (International Finance, Business Intelligence & Analytics, HR, Finance, Marketing and General Management)

Kristu Jayanti College of Law

B.A., LL.B. | B.B.A., LL.B. | B.Com., LL.B.
(5 year Integrated Programme)

Kristu Jayanti College (Arts, Commerce & Science)

FACULTY OF HUMANITIES

MSW Master of Social Work
M.Sc. Psychology
M.Sc. Counselling Psychology
MA English Literature
MA Journalism & Mass Communication
BA Journalism, Psychology, Computer Science
BA Journalism, Political Science, English Literature
BA Journalism, Psychology, English Literature
BA History, Economics, Political Science
BA History, Tourism, Journalism
BA Journalism, Economics, English Literature
BA Economics, Political Science, Sociology
BA English (Honours)
BA Performing Arts, Psychology, English Literature
B.Sc. Visual Communication
Research Centre - Social Work, Psychology

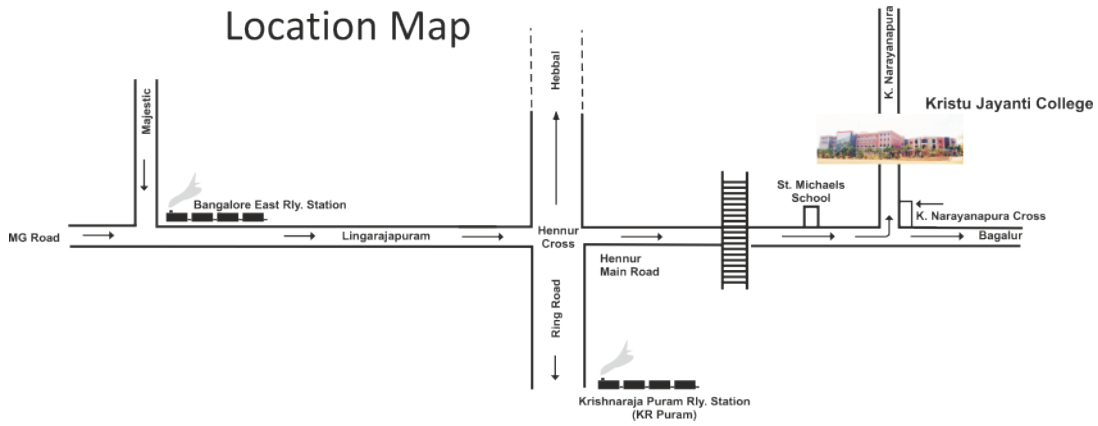
FACULTY OF COMMERCE & MANAGEMENT

M.Com. Master of Commerce
M.Com. Financial Analysis (FA)
M.Com. FA CGMA Integrated
MA Economics
BBA Bachelor of Business Administration
BBA CGMA Integrated
BBA Business Analytics
BBA Aviation Management
B.Com. Bachelor of Commerce
B.Com. ACCA Integrated
B.Com. Integrated with CMA
B.Com. Professional
B.Com. Tourism
B.Com. Business Analytics
B.Com. Honours
B.Com. Logistics & Supply Chain Management
1 Year PG Diploma for Working Executives
 (Marketing Management | H R Management | Business Administration)
Research Centre - Commerce

FACULTY OF SCIENCES

MCA Master of Computer Applications
M.Sc. Computer Science
M.Sc. Biotechnology
M.Sc. Microbiology
M.Sc. Biochemistry
BCA Bachelor of Computer Applications
BCA in Analytics
B.Sc. Computer Science, Mathematics, Electronics
B.Sc. Computer Science, Mathematics, Statistics
B.Sc. Biotechnology, Biochemistry, Genetics
B.Sc. Botany, Biotechnology, Biochemistry
B.Sc. (Honors) Forensic Science
B.Sc. Microbiology, Biochemistry, Genetics
B.Sc. Physics, Mathematics, Computer Science
B.Sc. Physics, Mathematics, Electronics
B.Sc. Mathematics, Statistics, Economics
Research Centre - Biotechnology

Location Map



Kristu Jayanti College (Autonomous)

K. Narayanapura, Kothanur P.O., Bangalore - 560 077, Karnataka, India

Tel : 080 - 28465611 / 28465353 / 28465770 Fax: 080 - 28445161 | Email: info@kristujayanti.com | www.kristujayanti.edu.in