



## St. Joseph's College of Commerce (Autonomous)

Affiliated to Bengaluru City University

Accredited with A++ Grade by NAAC in 4th Cycle (CGPA of 3.57/4)

College with Potential for Excellence (CPE)

Ranked 65th in the NIRF 2023 by the Ministry of Education, Government of India

#163, Brigade Road, Bengaluru -560025, Karnataka, India

# B.Sc. ( Economics and Data Analytics ) Programme 2024 - 2025





## ABOUT THE INSTITUTION

St. Joseph's College of Commerce, formerly a part of St. Joseph's College was established in the year 1882 as an educational initiative by the French foreign mission Fathers. In 1937, the management of the college was handed over to the Jesuits, a worldwide Catholic religious order with a special focus on education. The Department of Commerce was established in the parent college in 1949. In 1972, this department became an independent college under the name St. Joseph's College of Commerce. It is recognized under Section 2(f) and 12B of the UGC Act. It became an autonomous institution in October 2004. St. Joseph's College of Commerce was recognized as a "College with Potential for Excellence" in February 2010 by UGC.

The motto of the College is 'Fide et Labore' ('Faith and Toil'), which serves as an inspiration behind the vision and mission of the college to give shape to a society full of all-inclusive minds to cater to the inherent diversity of our country. Currently it enjoys an A++ grade with the National Assessment and Accreditation Council (NAAC). The college has been proactive to the significant changes and developments in the domain of higher education as well as business and commerce.



### What is the best way to engage learners

Teachers must create the conditions whereby learners gather and recollect the material of their own experience in order to distil what they understand already in terms of facts, feelings, values, insights and intuitions they bring to the subject matter at hand.

### What needs to be known about learners

*Cura personalis* - personal care and concern for the individual - is a hallmark of Jesuit education, and requires that teachers become as conversant as possible with the context or life experience of the learner.

### What learners need to know and learn

Memory, understanding, imagination, and feelings are used to grasp the essential meaning and value of what is being studied, to discover its relationship to other facets of human knowledge and activity, and to appreciate its implications in the continuing search for truth.

### How do we compel learners to move beyond knowledge to action

Transform the world into a global community of justice, peace and love. It should at least be a step towards that goal even if it just leads to new experiences, further reflections and consequent actions.

### How do we assess learners' growth in mind, heart, and spirit

Evaluation which includes but goes beyond academic mastery to the learners' well-rounded growth as persons for others. Observant teachers will perceive indications of growth or lack of growth in class discussions and students' generosity in response to common needs much more frequently



# CORE VALUES

1. Innovative programmes in collaboration with industry and professional bodies
2. Updated Library and E-learning resources
3. ICT enabled campus
4. Mandatory internships and training programmes
5. Excellent record of placements in top companies
6. International exposure through collaborations
7. Sharpening the mind through employability skills and innovative courses
8. Providing financial support to economically backward students
9. Enriching student life through outreach activities and student clubs
10. Dedicated faculty which encourages students to cultivate the art of thinking and empower them to express themselves clearly

# WHY JOSEPH'S?

# WELCOME TO SJCC

01

St. Joseph's College of Commerce (SJCC) was formerly a part of St. Joseph's College established in the year 1882. The Commerce Department was established in the year 1942 and it became an independent college with its own building in Brigade Road in the year 1972.

02

With an objective of imparting quality education in multidisciplinary field, the college has been innovating in all aspects of higher education. These innovations were further bolstered with the granting of autonomous status to the college by UGC in September 2005.

03

The college has undergone four cycles of NAAC accreditation starting from the year 2000. Currently Accredited with A++ in 4th Cycle with CGPA of 3.57/4

04

The college was declared by UGC as 'College with Potential for Excellence' in the year 2010.

05

A Research Centre was established in 2010 with the objective of engaging in quality research work in the field of commerce.

06

The college has also been ranked consistently in top ten commerce colleges of the country in a survey conducted by MDRA for India Today magazine.

07

The college has been consistently ranked in the top 100 of National Institutional Ranking Framework (NIRF) ratings of Ministry of Human Resources and Development (MHRD).

08

The college has implemented NEP and now offers innovative programmes in multidisciplinary fields like Economics and English.

09

The college has an eco-friendly campus winning the Best Ornamental Garden competition conducted by the Mysore Horticulture Department for the 4th consecutive year.

10

SJCC is deeply rooted in the Jesuit philosophy of education and has a rich tradition of empowering the marginalized.

# B.Sc. ECONOMICS and DATA ANALYTICS

## B.Sc. Economics and Data Analytics

The **Economics Major** has been designed to provide a cutting edge expertise in mainstream economics. This major aims to develop analytical, creative and critical thinking skills for problem solving and decision making. It aims at better understanding of social, economic and political issues and explores the full spectrum of the programme. The transferable skills attained through the Economics Major are highly sought after by employers and increase the employability quotient of students in various dynamic fields. A student could be an economist, a government advisor, financial consultant, econometrician, banker and also look forward to different government positions after successful completion of the programme. The Economics Major integrates different fields like Finance, Mathematics, Statistics, Operations Research, Python, R, History, Politics, Environmental Studies and Model Building with an inbuilt local as well as global perspective. New elements such as internship, case studies, seminars and research projects enhance deeper understanding of the practical applications of the programme.

The **Data Analytics Major** has been designed to provide individuals with the essential skills necessary for extracting valuable insights from extensive datasets, empowering them to make informed decisions across various industries. Students delve into statistical techniques and advanced tools, honing their abilities to analyse and interpret complex data sets. The curriculum typically covers crucial aspects such as data cleaning, exploratory data analysis, and the application of machine learning algorithms to address real-world problems. Hands-on experience with popular data analysis tools like Python, R, and SQL is a focal point, enhancing students' proficiency in data manipulation and visualization. Practical case studies and projects challenge students to apply their acquired skills to authentic data challenges encountered in industries such as finance, healthcare, and marketing. As the demand for data-driven decision-making continues to rise, completing this programme becomes a valuable asset for professionals seeking to advance their careers in areas like business intelligence, data science, and analytics.

So, join in to embark on a whole new adventure with us.





*“Economics is not an exact science. It’s a combination of an art and elements of science. And that’s almost the first and last lesson to be learned about economics: that in my judgment, we are not converging toward exactitude, but we’re improving our data bases and our ways of reasoning about them.”*

**Paul Samuelson**

*“Economics is a strange science. Our subject deals with some of the most important as well as mundane issues that impinge on the human condition.”*

**Dale T. Mortensen**

*“We believe that economics does not necessarily have to be a zero-sum game; it can be a win-win proposition for everyone involved so long as they have the tools in which to succeed.”*

**Ron Kind**



# Core Courses

## Economics

Microeconomics	International economics
Mathematics for Economics	Economics of Growth and Development
Macroeconomics	Indian Economy
Statistics for Economics	Advanced Micro Economics
Factor pricing and Welfare Economics	Financial Economics
Basic econometrics	Computer Applications in Economics
Monetary economics	Advanced Macro Economics
Time series Econometrics	Economics and Business Analytics
Public Economics	Programming with R for Economists

## Data Analytics

Machine Learning	Programming Languages like SQL, R, Python etc
Cloud Computing	Software tools for Data Analytics like Tableau, Microsoft Power BI, Apache Spark etc
Mathematics: Linear Algebra and Calculus	Data Warehousing
Advanced Statistics	Big Data Technologies
Data Mining and Analytics	Operating Systems
Database Management Systems	Cyber Security
Artificial Intelligence and Internet of Things	

## ELECTIVES

- » Behavioural and Experimental Economics
- » From Poverty to Prosperity: Understanding Economic Development
- » Entrepreneurship in Emerging Economies
- » A History of Economic Thought
- » Nobel Prize winners in Economics and their Contribution
- » Energy Economics and Policy
- » Business Analytics
- » Economics for the 21st Century
- » Economics and Policies in a Bio based Economy
- » Cyber Security Economics
- » Financial Analysis
- » Neuroeconomics
- » Circular Economy and Sustainable Development
- » Economics Lab
- » Game Theory
- » Neural Networks

## OPEN ELECTIVES

- » Computer Multimedia
- » Sociology
- » An Introduction to Film Criticism
- » Stories as Therapy
- » Youth, Gender and Identity
- » Introduction to Social Work
- » Cricket, Culture and Media
- » Media, Technology and Society
- » Development Studies
- » Operations Research



# CAREERS AND EMPLOYABILITY

Economics honours is a widely sought after programme worldwide. There are numerous areas in which an economist can look forward to getting productively employed. Due the transferable skills acquired, an an economist can be employed in various fields. Some important career paths for economics graduates include

- |                          |                                  |
|--------------------------|----------------------------------|
| 1. Researcher            | 1. Data Analyst                  |
| 2. Government Adviser    | 2. Data Scientist                |
| 3. Management Consultant | 3. Business Intelligence Analyst |
| 4. Derivatives Trader    | 4. Data Engineer                 |
| 5. Financial Analyst     | 5. Machine Learning Engineer     |
| 6. Econometrician        | 6. Data Architect                |
| 7. Budget Analyst        | 7. Cybersecurity Analyst         |
| 8. Pricing Analyst       | 8. Healthcare Data Analyst       |
|                          | 9. Marketing Analyst             |

## WHY ECONOMICS AND DATA ANALYTICS?

1. A wide array of job opportunities, including accounting, banking, marketing, business, and consulting in the government, private sector, or public sector.
2. A rigorous foundation in data analysis with the ability to apply the gained knowledge in practical settings.
3. An understanding of microeconomics and macroeconomics.
4. Learning what is practical and applicable to real-life choices and decision-making.
5. The ability to solve problems.
6. Knowledge about how to make wise financial decisions.
7. Understanding of statistical and mathematical techniques.
8. Expertise in the use of technology and computers for data analysis.

# Noteworthy Attributes

## Research Centre

An integral part of the Institution, the centre aims to inculcate research culture among students and professors alike. It provides the required guidance and support for conducting innovative and collaborative research.

## Students Recreation Centre

Students of SJCC are always open to unwind and play games. They can play carrom, chess, table tennis, basketball, football and other sports as well.

## Gym

The college has an indoor gym and it is open to all students. High-end equipment is available for the students to use.

## Cafeteria

The SJCC canteen provides an array of options for the Students to choose from. Lunch hour has the biggest rush and the crowd abates as the day progresses.

## Smart Classrooms

All classrooms are equipped with state of the art smart boards and projectors. Smart classrooms foster opportunities for teaching and learning by integrating latest technology.

## Library

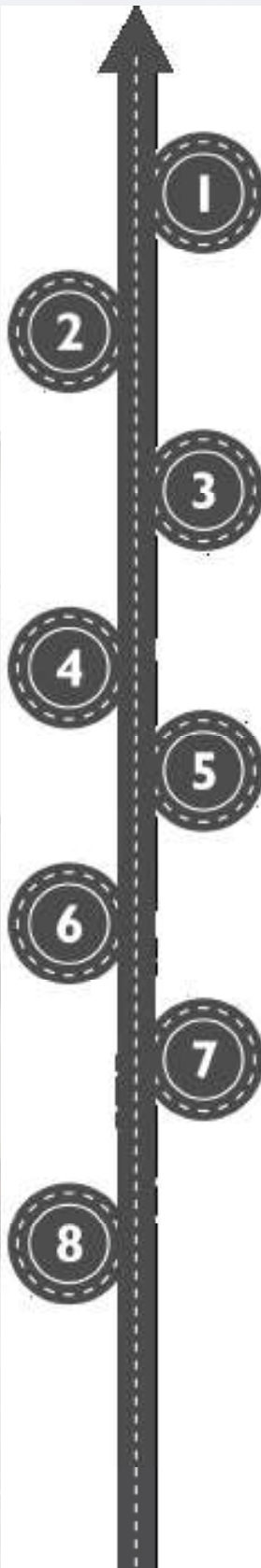
The institution has a well-stocked library with over 30,000 titles of both general and subject books. The library also has access to online catalogues, database such as Delnet, N LIST, Capitaline and digital library.

## Wifi Campus

The campus is wi-fi enabled which facilitates students and faculty members to access resources available on the internet.

## Sports Centre

The college boasts of a campus space with modern facilities that help foster sporting excellence. An indoor gym, a basketball court and a football field help to facilitate a holistic education.





**Auditorium**



**Cafeteria**



**Library**



**Computer Lab**



**Basketball Court**



**Smart Classrooms**



**Gym**



**Research Center**

# COMMUNITY OUTREACH



Jesuit education helps students to realize that talents are gifts to be developed, not for self-satisfaction or self-gain, but rather, with the help of God, to be utilized for the good of human community. Students are encouraged to use their gifts in the service of others, out of love for God.

Jesuit Education is unique. It carries an inimitable mark and derives its inspiration from Ignatius, the Educator. The Ignatian pedagogical paradigm is legendary as it helps students to gradually learn to discern and be selective in choosing experiences; to draw fullness and richness from the reflection on those experiences and become self-motivated by his or her own integrity and humanity to make conscious, responsible choices. St. Joseph's College of Commerce strives to provide ample scope for students to make these responsible choices. Jesuit education transcends academic mastery. It is value oriented and encourages realistic knowledge of the world in which we live. Above all, through such social activities, it prepares men and women for active involvement in society.

Community Service Jesuit education helps students to realize that talents are gifts to be developed, not for self-satisfaction or self-gain, but rather to be utilized for the good of the human community. Students are encouraged to use their gifts in the service of others, out of love for God.

The objective of the outreach programme is to engage students in community service, instil in them a desire to serve, encourage them to think about society and motivate them to act and intervene in social issues.



## Rural Camps

As a part of the outreach programmes the students visit villages and experience the realities of village life, their predicaments and their everyday challenges with minimum resources. They conduct outreach programmes in these villages and work towards their betterment



## Bembala

'Bembala' is a BJES community outreach programme designed for students of all institutions under BJES. The programme aims to reach out to the deprived groups and vulnerable sections of society and create opportunities for education, awareness and skill enhancement. It intends to create a learning process for faculty and students, through exposure to community needs, problems, and issues. It hopes to reach out to the community by designing need-based interventions and generating research.



## Social Service Clubs

The Jesuit view of higher education has never been a simplistic and one sided one. The aim of SJCC is preparing persons for the service of others. At the heart of the college's Vision & Mission is social concern. NSS, CSA, AICUF, Rotaract and Eco Club are associations dedicated to community service and outreach programmes.



# STUDENT COMMUNITY

## STUDENT DIVERSITY

St. Joseph's College of Commerce attracts students from all walks of life. SJCC hosts a diverse student population comprising of students from different religious, social, economic and linguistic background. The college becomes a melting pot for different cultures and traditions and provides an excellent opportunity for exchange of ideas.

## STUDENT SUPPORT

Student support and progression is one of the core criterions that the Institution strives to attain through its educational pursuits and extracurricular activities. All through its diversified programmes and ventures, it aims to drive students' passion and intellectual curiosity towards their subjects of interests.. To meet the demand for holistic education pedagogy, the college gives pre-placement support and guidance aid amongst many others.

## ORIENTATION PROGRAMMES

All the new students are welcomed to the campus and informed about the rules and regulations of the college, the course structure, examination process, placement procedure, code of conduct along with organisation structure of BJES.

## STUDENT WELFARE COMMITTEES

The college has constituted committees to provide proper support for students. These committees will look into the concerns of students and ensure a safe and comfortable stay in the campus.

- Grievance and Malpractice (Prevention & Redressal) Committee
- Sexual Harassment (Prevention and Redressal) Committee
- Anti-Ragging Cell
- Equal Opportunity Centre
- Student Welfare Committee

## REMEDIAL CLASSES

Remedial classes are conducted before the Mid-semester and End semester Examinations to provide additional academic support.



### **MENTORSHIP**

At SJCC, every first-year class is assigned two faculty mentors who take time to meet each student and help them with their concerns. Mentors keep an 'Open hour' every week for meeting the students. They keep track of academic performance, leave records and meet with parents when required. In addition, they educate the students about the college rules and facilities that they can avail.

### **COUNSELLING & GUIDANCE**

The college stresses on the holistic development of its students. To achieve this objective, the college has a counselling department. Counselling provides guidance and assistance to students, gives them a space to talk about their concerns and explore difficult feelings in a safe environment.

### **PARENT - TEACHER MEETING**

St. Joseph's College of Commerce works together with the parents of the students to ensure that the education of their wards is in line with their expectation. Parent-teacher meetings allow for the institution to understand the concerns of the parents and address them, while also helping them understand the ethos of the college. Their support is an integral part of the educational mission of our college and thus, this interaction provides for better understanding of the stakeholders' views.

### **SCHOLARSHIP & FREESHIP**

The Institution believes that life is lived well when it is lived generously in the service of others. The Jesuits believe that lack of financial resources should not hinder one's pursuit of education. They have always given importance to empowering the marginalized and provide financial aid to those that deserve to pursue their education and achieve their dreams.

### **ASSOCIATIONS AND CLUBS**

The college encourages students to hone and develop their skills in music, dance, art, literature, theatre and photography.

Students are encouraged to participate in fests of various colleges. Training programmes, workshops, seminars, poetry slams etc are conducted for students to develop their talents.

There are 41 student associations and clubs offering platforms to students to express themselves in creative ways.

### **SPORTS AND GAMES**

The college has a keen eye to spot and nurture potential sports students and to give them the right training and exposure to develop their skills. Students are encouraged to participate in sports and become part of the official college team.

### **STUDENT COUNCIL**

The Student Council is an elected body at SJCC and it manages student affairs and contributes to the welfare of the student community. The Student Council coordinates all the cultural activities of the college and encourages extracurricular activities among the students and is a forum for citizenship training and development of leadership skills.



# FACULTY



**Dr. Charles Lasrado, SJ**  
*Principal*  
M.Com, MBA, M.Phil, JRF and PhD  
Areas of Interest – Financial  
Econometrics, Time Series Analysis



**Ms. Jhumur Samaddar Roy**  
*Head of the Department*  
CTET, PGD, MPhil, MA, MBA,  
B.Ed and NET  
Areas of interest: Economics, Econometrics,  
Psychology, Operations Research and  
Statistics



**Dr. Mohan P. Philip**  
*Assistant Professor*  
M.Com, M.Phil, LLB and Ph.D  
Former Assistant Director of  
SJCC Research Centre



**Ms. Sneha S. Rai**  
*Assistant Professor*  
M.Sc. (Mathematics), PGDCA,  
MBA, NET and currently pursuing  
PhD at University Of Mysore  
Areas of interest: Mathematics,  
Operations Research and Statistics



**Dr. A.M. Sheela**  
*Assistant Professor*  
M.A. (Economics), Ph.D (Economics) -  
Women Studies and an avid researcher  
in the field of social science



**Mr. Vinay Pradeep .C**  
*Assistant Professor*  
MSc ( Mathematics), Kset and currently  
pursuing PhD at VTU  
Areas of interest: Applied Mathematics,  
Operations Research, Statistics, Programming  
and Data Analytics



**Ms. Jethina James**  
*Assistant Professor*  
M.Sc (Economics), NET and  
currently pursuing her PhD from  
Madurai Kamraj University



# Programme specifications

Programme	B.Sc. Economics and Data Analytics			
Programme Duration	4 years			
Admission Criteria	<p><b>Applicants are selected through a holistic admission process based on:</b></p> <ul style="list-style-type: none"> <li>» X and XII grade marks</li> <li>» Aptitude test ( SAT-Eco)</li> <li>» Personal interviews with students as well as parents</li> <li>» Supplementary information provided in application</li> <li>» Extra curricular activities</li> </ul>			
Minimum eligibility for application	<ul style="list-style-type: none"> <li>» Students who have successfully completed 12 years of schooling through an examination conducted by a Board/ University or through National Institute of Open Schooling (NIOS) are eligible for admission to the 1st year degree programme.</li> <li>» Mandatory eligibility for the programme is a pass at the +2 level (Karnataka PUC, ISC, CBSE, NIOS, state boards) in any stream of Commerce &amp; Science from any recognized boards from India or abroad.</li> </ul>			
Application fees				
<b>Programme fees *</b>				
Programme	Karnataka PU Board	Other than Karnataka PU Board	NRI students	Foreign National's
B.Sc-Economics	72,500	85,800	1,56,630	2,03,027

\*Subject to Changes





## ADMISSION PROCEDURE


Applicants for B.Sc. Economics(honours) at SJCC can apply through online application available in the college website. [www.sjcc.edu.in](http://www.sjcc.edu.in)

Scan or click: QR code



# SJCC AT A GLANCE

 **3072+**  
Students

**FEMALE**  
 **44%** **MALE**  
 **56%**

 **UNDERGRADUATE**  
**91%**

 **MASTERS/DOCTORAL**  
**9%**

 **151+**  
Faculty

 **10,000+**  
Alumni Network  
World-Wide

 **15**  
Programmes

**11** Undergraduate Programmes

**04** Postgraduate Programmes

 PGDM Programme



## 09 BJES Institutions



## ACCREDITATION & RANKINGS



Granted  
Autonomy by  
University Grants Commission



Accredited with "A++" Grade by  
National Assessment and  
Accreditation Council



**INDIA TODAY**  
Top Commerce Colleges in India



**nirf**



**THE WEEK**  
THE WEEK Hansa Research Survey  
of Best Colleges 2021



**Outlook**  
Best Commerce Colleges in India



163, Brigade Road,  
Bengaluru, Karnataka - 560025

For admission, contact:

(080) 2536 0644

admission@sjcc.edu.in

(080) 2536 0646



www.sjcc.edu.in