FAQs
Frequently Asked Questions

TAPASYA
COLLEGE OF COMMERCE & MANAGEMENT

01) I studied B.P.C. in Intermediate, Will I be able to handle this course ?
Both BiPC students and students from other groups are unfamiliar with the topics covered in the BS Courses. This course aims to remove the constraint of conventional rigid mindset and give students more options. Each subject's teaching will start with the fundamentals, and care will be taken to ensure that the students are learning effectively.

02) In intermediate and 12th grade, I studied MEC and CEC. Which program, BS-Computer Science or BS-Economics, is better for me?
Depending on the course you want to take with your career. Both are open to you.

03) What are the prospects for those with a BS in computer science?
In contrast to other comparable courses, which are one-dimensional, the BS in Computer Science offers you a 360-degree learning opportunity in the field. For instance, you may be given the chance to work in a bank's analytics department given your qualifications for the position.

04) What are the prospects for a career in BS-Economics?
With a BS in Economics, you can learn about mathematical economics, econometrics, statistics, management, data analysis, and analytics. You develop into a total package with essential skills that are highly valued in the industry. Many public and private sector organisations will be able to use you as a resource.

05) Who confers the BS (4-year) or BS-MS (5-year) Dual Degree?
Osmania University in Hyderabad awards BS (4 years) and BS-MS (5 years) degrees.

06) Which is preferable: a BS or a B.Tech in Computer Science?
Both the BS and B.Tech in Computer Science programmes equip students well for graduate school or professional careers in the domains of computing and information technology. The key distinction is that the BS degree combines computer science with Economics, Mathematics, Statistics, and Business Management, whereas the B.Tech programme concentrates solely on computer science and IT. BS and MS degrees are globally recognised, however B.Tech is solely available in India.

07) How can I apply, and how much is the application fees?
You can apply online on our website https://www.tapasyaedu.com or visit Tapasya college of Commerceand Management, 5-9-7/3/6, Secretariat Road, Opp. Kamath Hotel, Beside Apsara Mosque, Saifabad, Hyderabad, Telangana 500004. Phone: +91 888 555 6611 +91 888 555 6622 Application Fee is Rs. 2,000/-

08) What exactly is the admissions procedure?
Admission is based on merit and 12th grade marks as determined by TSCHE and Osmania University. Those with a good score/rank in JEE Mains / TSEAMCET / APEAPCET / CLAT / LawCET / IPMAT / NEET will be given preference. After shortlisting, each candidate is given an online aptitude test and career counselling to learn about their career options.

09) Does Admission have a reservation policy?
Yes, reservation is enforced in accordance with Telangana government policies for SC, ST, BC, OBC, EWS, and others.

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15 Years ACADEMIC EXCELLENCE IN COMMERCE AND MANAGEMENT

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TAPASYA
COLLEGE OF COMMERCE & MANAGEMENT

BACHELOR OF SCIENCE
COMPUTER SCIENCE

BS

BACHELOR OF SCIENCE
ECONOMICS

4 YEAR MULTI DISCIPLINARY COURSE

BS

COMPUTER SCIENCE

FOUR YEAR MULTI DISCIPLINARY COURSE

ELIGIBILITY

Candidates must have completed 10+2 from CBSE/ISC/any State Board in Commerce, Science, or Arts, or Intermediate AP/TS with MPC, BIPC, MEC, or CEC.

DURATION:

The course spans four years, divided into eight semesters, providing a comprehensive educational experience that blends theoretical knowledge with practical applications.

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

AI - ML - DATA SCIENCE - BIG DATA

The Bachelor of Science in Computer Science (BS CS) is a comprehensive, four-year undergraduate program designed to equip students with a profound understanding of computer science fundamentals while integrating interdisciplinary emphasis in emerging fields. The curriculum ensures a balanced exposure to Humanities, Management Sciences, and Human Values alongside core Computer Science subjects.

The program encompasses cutting-edge areas such as Artificial Intelligence (AI), Machine Learning (ML), Data Science, and Big Data, preparing students for the demands of the modern industry landscape. Through interdisciplinary courses in Big Data, Business Analytics, and more, students gain practical skills in analytics, cloud computing, and the Internet of Things (IOT), ensuring they are industry-ready upon graduation.

Moreover, the BS CS program facilitates international recognition through its adherence to the four-year degree nomenclature, enabling seamless credit transfer and participation in twinning programs with universities in the United States and Europe.

ADMISSION CRITERIA:

The candidate must meet the stipulated eligibility criteria.

The applicant must score atleast 50% in the Selection Criteria

Aptitude Test & Personal Interview. Candidates with a valid score in JEE Mains, NEET, CLAT, IPM, TSEAMCET, APEAPCET, MHCET, UGAT, or SAT are preferred.

COURSE STRUCTURE

SEMESTER 1	SEMESTER 2
Introduction to Information Technology	Data Structure Using C
Principles of Problem solving using C	Operating Systems
Introduction to Logic Theory	Mathematical Foundation for Computer Science
Mathematics - 1	Mathematics - II
Business Economics	Fundamentals of Financial Accounting
Communication Skills	Professional Skills
Introduction to Information Technology Lab	Data Structure Using C-Lab
Principles of Problem solving using C-Lab	Operating Systems-Lab

SEMESTER 3	SEMESTER 4
Object Oriented Programming Through JAVA	Python Programming
Database Management System	Web Technologies
Data Communication	Design and Analysis of Algorithm
Mathematical Foundation for Data Science	Computer Networks
Principles of Marketing	Human Resource Management
Leadership and Management Skills	Universal Human Values
Object Oriented Programming Through JAVA-Lab	Python Programming-Lab
Database Management System-Lab	Web Technologies-Lab

SEMESTER 5	SEMESTER 6
Data Science using R Programming	Data Visualization
Design Thinking for Innovation	Object Oriented System Development and Design
Decision Support System	Human Computer Interaction
Software Engineering	Artificial Intelligence
Compiler Design	Distributed systems
Organizational Behaviour	Strategic Management
Data Science using R Programming Lab	Data Visualization Lab
Compiler Design Lab	Object Oriented System Development and Design Lab

SEMESTER 7	SEMESTER 8
Big Data Analytics	Machine Learning
Cyber Forensics	Software Testing
Data Warehousing and Data Mining	Computer Science Electives
Computer Science Electives	a) E-Business
a) Software Project management	b) Ethics, Laws & IT Act
b) Information Retrieval System	Research Methodology
Operations Research	Machine Learning Lab
Supply Chain Management	Project Work
Big Data Analytics Lab	
Data Warehousing and Data Mining Lab	

BS

ECONOMICS

FOUR YEAR MULTI DISCIPLINARY COURSE

ELIGIBILITY

Candidates must have completed 10+2 from CBSE/ISC/any State Board in Commerce, Science, or Arts, or Intermediate AP/TS with MPC, BIPC, MEC, or CEC.

DURATION:

The program spans four years, spread across eight semesters, providing ample time for students to delve deep into economic theory, quantitative analysis, and practical applications, preparing them for diverse career opportunities in the global market.

BACHELOR OF SCIENCE IN ECONOMICS

BANKING - ANALYTICS - BIG DATA

The Bachelor of Science in Economics is a dynamic four-year undergraduate degree program aimed at providing students with a comprehensive understanding of Economics, complemented by interdisciplinary concentrations in Business Management, Mathematics, Statistics, and Computer Science.

This multi disciplinary course equips students with a holistic perspective, blending traditional economic theory with practical applications and cross-disciplinary skills. Through exposure to leading economists and participation in research projects, students are nurtured to become adept analysts and decision-makers in various sectors including business, public policy, and development management.

ADMISSION CRITERIA:

The applicant must meet the requirements for eligibility.

The applicant must receive a score of atleast 50% on the Aptitude test and the personal interview.

Candidates with valid scores in the following exams are preferred: JEE Mains, NEET, CLAT, IPM, TSEAMCET, APEAPCET, MHCET, UGAT, and SAT.

COURSE STRUCTURE

SEMESTER 2	SEMESTER 2
Micro Economics	Micro Economics
Macro Economics	Macro Economics
Mathematical Economics	Statistical methods for Economics
Introduction to Management	Fundamentals of Financial Accounting

SEMESTER 3	SEMESTER 4
Econometrics	Fundamentals of Business Economics
Economics of Environment	Econometrics
Mathematical Economics	Money and Banking
Principles of Marketing	Fundamentals of IT

SEMESTER 5	SEMESTER 6
International Economics	International Economics
Development Economics	Development Economics
Public Finance	Telangana Economy
Indian Economy	Data Analytics
Business Research Methods	Organisational Behaviour and Development
E-Commerce	Financial Institutions and Markets

SEMESTER 7	SEMESTER 8
Game theory and Economic Analysis	Economics of Growth and Development
Theory of Pricing and Distribution	Economics of Infrastructure
Labour Economics	Economics of Natural Resources and sustainability
Health Economics	International Organisations and Regional Cooperation in Trade
Strategic Management	Consumer Behaviour
Big Data Analytics for Business Analysts	Data Analysis with R

Flipkart is a key participant in India's e-commerce market, providing anything from fashion and lifestyle items to consumer electronics. It employs data scientists in a variety of jobs, paying them an annual salary of Rs 17,00,000 per annum.

IBM is a market leader in offering essential collaboration tools to data scientists, application developers, and other subject matter experts. IBM's data scientists make it easier to work with organised and unstructured data and train models on a large scale. In India, they earn an average income of Rs. 13,50,000 per annum.

Deloitte employs advanced statistical approaches to provide end-to-end business solutions to data science practitioners. This Big Four organisation employs specialists in various roles with annual salaries ranging between Rs 12 and 13 lakh.

Walmart operates sophisticated wholesale outlets in 8 locations across India. It employs for a variety of data science professions, with an average annual salary of Rs 22,75,000. The annual salary typically varies between Rs 17,00,000 and Rs 28,00,000 in India.

LinkedIn provides employment-related services to millions of individuals worldwide via online and mobile apps. Data scientist salaries range from Rs 13,00,000 per annum to Rs 22,00,000 per year for high-level professions.

HPE IT solutions are designed to help clients manage and evaluate their data. Data scientists at HPE may earn between Rs 8,00,000 and Rs 22,00,000 per annum

This well-known worldwide professional services organisation develops and implements plans leveraging integrated data resources. Accenture's average remuneration for data scientists is Rs. 10,50,000 per year.

[24]7.ai is a market leader in customer-driven solutions that use artificial intelligence to help businesses communicate with customers. This firm's data scientist jobs pay an average of Rs 16,00,000 per year.

Amazon, as one of the world's largest e-commerce firms, need data science skills for a variety of fundamental activities. Supply chain optimization, identification of frauds and bogus reviews, inventory and sales forecasts are just a few examples. Amazon has multiple offices in India where data scientists are hired. The wage range, according to Glassdoor, is Rs 578,000 - Rs 19,98,000, depending on the position.

In India, this multinational firm located in the United States provides networking, cloud computing, and SaaS. Citrix's analytics and research teams perform data science initiatives to gain a competitive advantage in the market and forecast results in order to connect its activities with the purpose. Annual pay for data science and related jobs starts from Rs 6,00,000 and can go up to Rs 27,00,000 per annum.

This Bangalore software development company mostly works in the financial sector. At Two Roads Tech, the typical compensation range for data scientists is Rs 23,00,000 to Rs35,00,000 per annum

It is India's second-largest analytics business. Fractal recruits data scientists with yearly salaries of roughly Rs 15,00,000 per annum.