



Developing the
Next Generation of
LEADERS

BS

COMPUTER SCIENCE

AI - ML - DATA SCIENCE

FOUR YEAR MULTIDISCIPLINARY COURSE

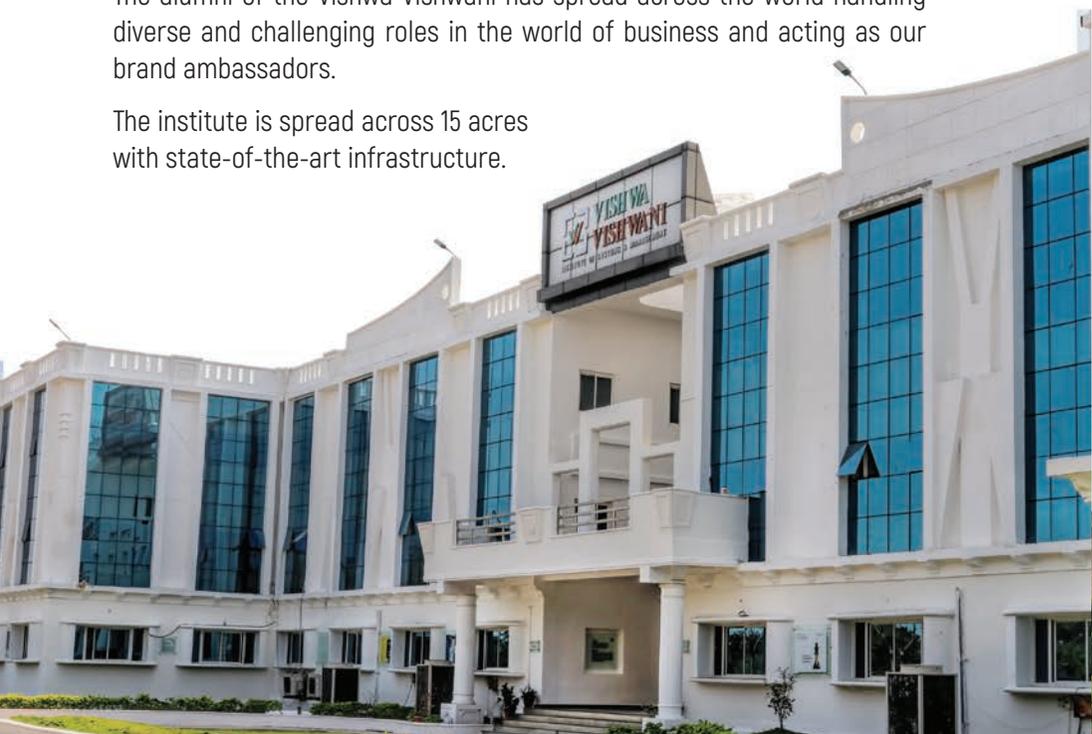
Vishwa Vishwani is the first private affiliated Institution under the State Government University to offer BS-MS Courses in India apart from Central Government Sponsored National Institutions such as IISER-Bhopal, IISc-Bangalore and IIT-Bombay.

Vishwa Vishwani is the first and foremost private affiliated Institution and approved by AICTE to offer Integrated MBA / BBA+MBA in India apart from Central Government Sponsored National Institutions such as IIM Indore, IIM Rohtak, IIM Ranchi

Vishwa Vishwani Institute of Systems and Management is one of the premier business schools in South India, promoted by GrahamBell Educational Academy, Hyderabad. It has been grooming resourceful students into budding managers for the last 24 years.

The alumni of the Vishwa Vishwani has spread across the world handling diverse and challenging roles in the world of business and acting as our brand ambassadors.

The institute is spread across 15 acres with state-of-the-art infrastructure.



OSMANIA UNIVERSITY HYDERABAD, TELANGANA



Osmania University – Hyderabad is the First and Foremost State University to Introduce the **Five Year Integrated Dual Degree BS-MS Courses in Computer Science.**

Osmania University was the First of its' kind to be Established in 1918, in the erstwhile princely state of Hyderabad. The Century old University is the 7th oldest university in the country, and has significantly contributed to the academic and economic development of the state and the country at large.

The Five Year Integrated Dual Degree BS-MS Courses in Computer Science is approved by TSCHE and Affiliated to Osmania University.

The University has a vision of developing, enhancing, and improving the quality of human resources to meet the challenges of regional, national and global socio-economic changes. It has been working on the mission to achieve excellence in teaching and research to create opportunities for the students to contribute to the national and regional development.

Osmania University is re-accredited by the National Assessment and Accreditation Council (an Autonomous Institution of the University Grants Commission) as 'A+' Grade University.



COURSE STRUCTURE: BS-COMPUTER SCIENCE

| SEMESTER 1 | SEMESTER 2 | SEMESTER 3 | SEMESTER 4 |
|---|---|--|---|
| Introduction to Information Technology | Data Structure Using C | Object Oriented Programming Through JAVA | Python Programming |
| Principles of Problem solving using C | Operating Systems | Database Management Systems | Web Technologies |
| Introduction to Logic Theory | Mathematical Foundation for Computer Science | Data Communication | Design and Analysis of Algorithm |
| Mathematics - I | Mathematics - II | Mathematical Foundation for Data Science | Computer Networks |
| Business Economics | Fundamentals of Financial Accounting | Principles of Marketing | Human Resource Management |
| Communication skills | Professional Skills | Leadership and Management Skills | Universal Human Values |
| Introduction to Information Technology Lab | Data Structures using C Lab | Object Oriented Programming through JAVA- Lab | Python Programming - Lab |
| Principles of Problem solving using C - Lab | Operating Systems Lab | Database Management Systems Lab | Web Technologies Lab |
| SEMESTER 5 | SEMESTER 6 | SEMESTER 7 | SEMESTER 8 |
| Data Science using R Programming | Data Visualization | Big Data Analytics | Machine learning |
| Design Thinking for Innovation | Object Oriented System Development and Design | Cyber Forensics | Software Testing |
| Decision Support Systems | Human Computer Interaction | Data Warehousing and Data Mining | Computer Science Electives: a)E- Business b)Ethics, Laws & IT Act |
| Software Engineering | Artificial Intelligence | Computer Science Electives: a)Software Project Management b)Information Retrieval System | Research Methodology |
| Compiler Design | Distributed systems | Operations Research | Machine Learning Lab |
| Organizational Behaviour | Strategic Management | Supply Chain Management | Project Work |
| Data Science using R Programming Lab | Data Visualization Lab | Big data Analytics Lab | --- |
| Compiler Design Lab | Object Oriented System Development and Design Lab | Data Warehousing and Data Mining Lab | --- |
| --- | --- | Technical Seminar (Mini- Project) | --- |

BS (COMPUTER SCIENCE)

FOUR YEAR MULTIDISCIPLINARY COURSE

The BS Computer Science course curriculum aims to ensure that the students graduating from the program not only know the core topics of Computer Science but also develop an equal appreciation of humanities, management sciences and human values. The students are also exposed to emerging topics such as Analytics, Machine Learning, Cloud Computing, Internet of Things etc to make them industry ready at the end of four years of study.

The BS Degree with four year duration is globally accepted Degree Nomenclature, which will enable Indian students for the credit transfer and help them to join in twinning programs in USA and European Universities.

Duration of the Course:

The course shall be for a total period of 4 years spread over eight semesters.

Eligibility:

Any student who has qualified Class XII (or equivalent) examination in any stream including MPC, BiPC, MEC, CEC.

Admission Process:

Admission is based on merit and marks obtained in Intermediate / Class XII (or equivalent) examination as per the norms of TSCHE and Osmania University.

Number of Seats: 300

Salient Features:

- ◆ Certification programs by INFOSYS Spring Board
- ◆ Certification Program on, PYTHON, DBMS and C Language
- ◆ Bridge Course on Mathematics & MS -office for non-mathematics background students
- ◆ Hackathon on latest technologies
- ◆ Various technical clubs like Artificial Intelligence, Machine Learning and data Science
- ◆ Industrial visit to T- Hub and Start up Eco Parks

DIFFERENCE BETWEEN THE B.TECH,

B.PHARMACY & BS COMPUTER SCIENCE

| Factor | BS Computer Science | B.Tech (CSE) | B. Pharmacy |
|----------------------------|---|------------------------|------------------------|
| Full Name | Bachelor of Science | Bachelor of Technology | Bachelor of Pharmacy |
| Stream | Computer Science, Economics and Management | Technology | Pharmaceutical Science |
| Duration | 4 Years | 4 Years | 4 Years |
| Specialization | Multidisciplinary | Computers Only | Pharmacy only |
| Discipline | Interdisciplinary - AI, ML, Data Science & Big Data | Computer Science | Pharmacy |
| Eligibility | MPC / BPC / MEC / CEC | MPC | BPC / MPC |
| Course Type | Techno Managerial | Purely Technical | Scientific |
| Focus | Technology and Management | Purely Technical | Scientific |
| Orientation | Scientific and Techno - Managerial | Technical | Scientific |
| Employability | High | Average | Average |
| Eligibility for Govt Jobs | Yes | Yes | Yes |
| Approved by | TSCHE | AICTE | PCI |
| Eligible for MS in US / UK | Yes | Yes | Yes |
| Affiliated to | Osmania University | Technical University | University |

CAREER OPPORTUNITIES FOR BS COMPUTER SCIENCE

Vishwa Vishwani Institute of Systems and Management is uniquely placed to offer BS Computer Science with skill set in Multidisciplinary Courses in Mathematics and Statistics, Computer Science, Management Sciences and Financial Analytics, and will be supplemented with interdisciplinary courses for enhancing domain knowledge in Big Data Sciences, Business Data Analytics, Artificial Intelligence and Machine learning.

The Computer Science Graduates with expertise in Big Data, Business Data Analytics, Artificial Intelligence and Machine learning are needed in virtually every job sector, not just in technology. In fact, the five biggest tech companies Google, Amazon, Apple, Microsoft, and Facebook only employ one half of one percent of U.S. employees.

Companies Offering Lucrative Salary for Graduates, who have expertise in Big Data, Business Data Analytics, Artificial Intelligence and Machine learning.



Flipkart is a major e-commerce player in India, selling everything from fashion and lifestyle products to consumer electronics. It employs data scientists in various roles, giving them an average salary of Rs 17,00,000 annually.



Walmart has its modern wholesale stores spread across 8 locations in India. It hires for many data science positions, paying an average annual compensation of Rs 22,75,000. Typically, the compensation ranges between Rs 17,00,000 and Rs 28,00,000 per annum.



Being one of the biggest e-commerce players globally, Amazon needs data science talent for numerous core functions. Some of them include supply chain optimization, detection of frauds and fake reviews, inventory and sales forecasting. Amazon has several offices in India that hire data scientists. Glassdoor estimates the salary range at Rs 58,000 - Rs 19,98,000, depending on the role.



IT solutions by HPE aim to assist customers by managing and assessing their data. Data scientists at HPE can make anywhere from Rs 8,00,000 to Rs 22,00,000.



IBM is a leader in providing valuable collaborative tools to data scientists, application developers, and other experts. Data scientists at IBM make it easier to work with structured and unstructured data and train models at scale. They make an average salary of Rs 13,50,000 in India.



Deloitte uses advanced statistical methods to offer end-to-end business solutions to practitioners in the field of data science. This Big Four firm employs professionals in different roles with total compensation between Rs 12 and 13 lakh per annum.



This prominent global professional services firm designs strategies and delivers them using integrated data resources. The typical salary of data scientists at Accenture is Rs. 10, 50,000 p.a.



[24]7.ai is a leader in customer-driven solutions that help companies interact with consumers using artificial intelligence. Data science jobs at this firm pay Rs 16,00,000 p.a. on average.



LinkedIn operates through web and mobile apps, providing employment-related services to millions of people worldwide. Data scientist salaries start from Rs 13,00,000 p.a. & touch Rs 22,00,000 p.a. for high-level positions.



This US-based multinational corporation offers networking, cloud computing, and SaaS in India. The analytics and research teams at Citrix undertake data science projects for attaining a competitive advantage in the market and predict results to align its work with the mission. Annual pay for data science and related jobs starts from Rs 6,00,000 and can go up to Rs 27,00,000 p.a.



It is the second-largest analytics firm in India. Fractal hires data science professionals at annual packages of around Rs 15,00,000.



This software development firm in Bangalore works mainly in the financial domain. The average salary range for data scientists at Two Roads Tech is Rs 23,00,000 p.a. to Rs 35,00,000 p.a.

Source: upgrad.com

FAQ'S

01 I have studied BiPC in Intermediate / 12th. Will I be able to cope up with the subjects in the BS?

The subjects in the BS courses are new not only to BiPC students but also to the students belonging to other groups. This course aims to break the barrier of traditional rigid mindset and create more options for students. Teaching will begin in each subject from the fundamentals and due care is taken to ensure the Learning effectiveness in the students.

02 I have studied MEC/CEC in Intermediate / 12th. Which is better for me, BS-Computer Science?

It depends on what direction you want to give to your career. You are eligible for both.

03 What are the career prospects for BS-Computer Science?

BS-Computer Science gives you a 360-degree learning opportunity in the field unlike other similar courses which are one-dimensional. For example, you can get an opportunity to work in the Analytics domain in a Bank, as you have all the required ingredients to excel in the role.

04 Who awards the BS (4 years) Degree / BS-MS (5 years) Dual Degree?

The degrees for BS (4 years) / BS-MS (5 years) are awarded by Osmania University, Hyderabad.

05 Which is better – BS or B.Tech in Computer Science?

Both the BS and B.Tech in Computer Science prepare students well for graduate work or for professional positions in Computing and Information Technology fields. The primary difference is that the BS program provides a more Concentrated approach to computer science combining with Economics, Mathematics, Statistics and Business Management, while the B.Tech program focuses only on computer science and IT. BS - MS Degree are Globally Accepted and whereas B.Tech is offered only in India.

06 How do I apply and what is the Application Fees?

You can apply online on our website <http://www.vishwavishwani.ac.in>. The Application Fee is Rs.600/- . You can pay the Application fees through our secure payment gateway after filling the required details.

07 What is the Admission process?

Admission is based on merit and marks obtained in 12th as per TSCHE and Osmania University. Preference shall be given to those who have Good Score/rank in JEE Mains / TSEAMCET / APEAPCET / CLAT / LawCET / IPMAT / NEET. Online Aptitude Test and Career Counseling is conducted to each and every candidate after short listing to brief about the Career Prospects.

08 Does reservation policy apply for Admission?

Yes, reservation is implemented as per the policies of Govt. of Telangana for SC, ST, BC, OBC, EWS and others.

State of the Art Infrastructure to support Modern Teaching Pedagogy
Case Study / Activity Based Learning.



SOME OF OUR TOP RECRUITERS



First & Foremost Affiliated Institution to Offer BS-MS Courses in India

Business School Ranking

The Most happening Business school
in Hyderabad

A+ NAAC Accrediation

27th Ranking Business School in India

3rd Largest Business School in South India

**UGC Autonomous Status
is in Process for AY 2024**



Admissions Office:

#601, Mahaveer Chambers (Stanza Bilding),
Liberty X Roads, Himayatnagar, Hyderabad - 29.

Ph: 040-2322 8333, 2322 8399

Helplines: 9849 247 333 / 9948 341 333

Campus:

Boston House, Thumkunta (P.O), Shamirpet Road,
Hakimpet (Via), Hyderabad - 500 078.

Ph: 9849 464 333 / 9849 309 333