



Developing the  
Next Generation of  
**LEADERS**

**BS**

**COMPUTER SCIENCE**

**FINANCIAL ANALYTICS**

**AI-ML-DATA SCIENCE-ANALYTICS-FINTECH**

**FOUR YEAR MULTIDISCIPLINARY UG COURSE**

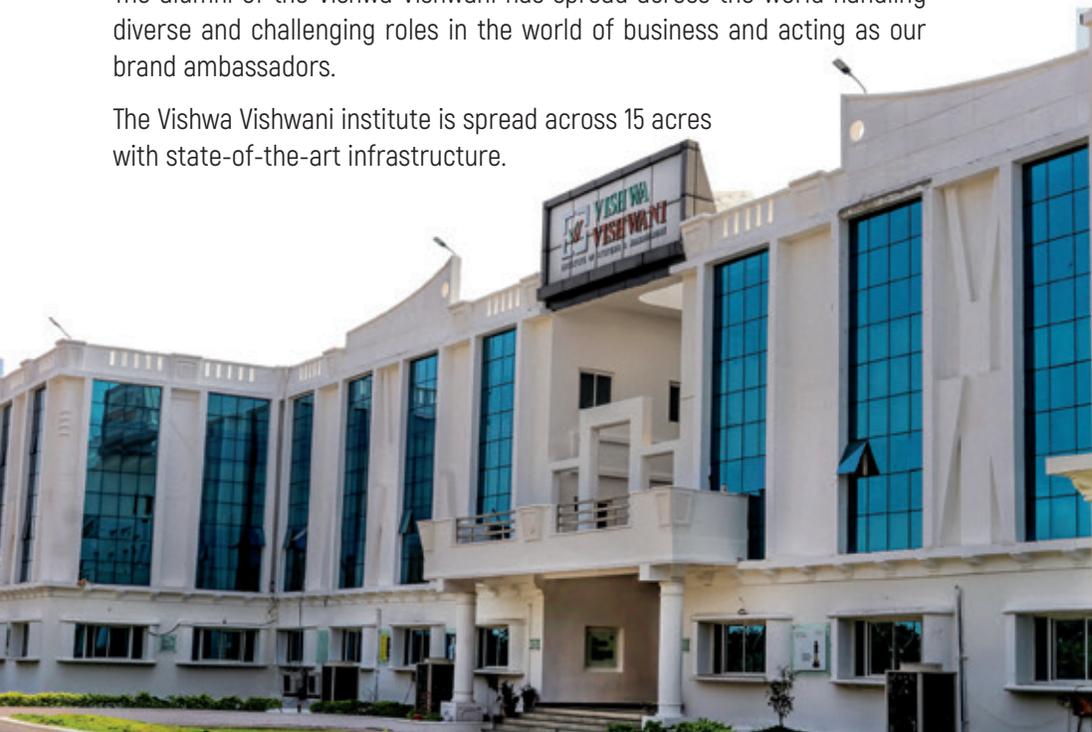
Vishwa Vishwani is the first private affiliated Institution under the State Government University to offer BS-MS Courses in India apart from Central Government Sponsored National Institutions such as IISER-Bhopal, IISc-Bangalore and IIT-Bombay.

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 Vishwa Vishwani 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 & Financial Analytics.**

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 7<sup>th</sup> 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 & Financial Analytics of Vishwa Vishwani Institute of Systems and Management - Hyderabad are 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 TSCHS and Osmania University.

### Number of Seats: 300

### How to Apply:

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

**The following National Level Institutions offering BS-MS Courses in India IISER, IIT Bombay...**



# COURSE STRUCTURE: BS-FINANCIAL ANALYTICS

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
English - I	English – II	English - III	English - IV
Second language - I	Second language-II	Second Language - III	Second Language - IV
Micro Financial Analytics - I	Micro Financial Analytics – II	Econometrics - I (Theory+lab)	Fundamentals of Business Financial Analytics
Macro Financial Analytics - I	Macro Financial Analytics – II	Financial Analytics of Environment	Econometrics - II (theory + lab)
Mathematical Financial Analytics - I	Statistical Methods for Financial Analytics	Principles of Marketing	Money & Banking
Introduction to Management	Fundamentals of Financial Accounting	Mathematical Financial Analytics - II	Fundamentals of IT (Theory & Lab)
Indian Heritage & Culture - I	Indian Heritage & Culture – II	Environmental Studies - I	Environmental Studies - II
Human values and Ethics - I	Human values and Ethics – II	---	---

SEMESTER 5	SEMESTER 6	SEMESTER 7	SEMESTER 8
International Financial Analytics - I	International Financial Analytics – II	Game Theory and Economic Analysis	International Organizations and Regional Cooperation
Developmental Financial Analytics - I	Developmental Financial Analytics – II	Theory of Pricing and Distribution	Financial Analytics of Growth and Development
Public Finance	Telangana Economy	Financial Analytics Electives I	Financial Analytics Elective II
Indian Economy	Data Analytics (Theory & Lab – SPSS)	4.A. Labor Financial Analytics	4.A. Financial Analytics of Infrastructure
Business Research Methods	Organizational Behaviour & Development	4.B. Health Financial Analytics	4.B. Financial Analytics of Natural Resources
E-Commerce	Financial Institutions & Markets	E - Views	Mini Project + Viva
Science & Civilization – I	Science & Civilization – II	Strategic Management	Consumer Behavior
---	---	Big Data Analytics for Business Analysts T&P	Data Analysis with "R" (T + P)

# BS (FINANCIAL ANALYTICS)

## FOUR YEAR MULTIDISCIPLINARY COURSE

**The Bachelor of Science (Financial Analytics)** is a four-year undergraduate degree in Financial Analytics with multidisciplinary and interdisciplinary specializations in Mathematics, Statistics, Computer Sciences and Business Management.

It aims to train some of the brightest young minds of our country, through some of the best practitioners of Financial Analytics in India and students are encouraged to take part in research activities, thus providing them a symbiotic environment of education and research.

The BS (Financial Analytics) aims to produce well-trained professionals with interdisciplinary and multidisciplinary skills for Applied Financial Analysis. The BS (Financial Analytics) seeks to impart education to students to become more efficient analysts / decision-making professionals in the area of business & public policy and develop administration. Industrial houses, banks and government / semi-government agencies and research organizations are increasingly demanding graduates with these kinds of skills and capabilities.

### Duration of the Course:

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

### Eligibility:

Any 10+2 of CBSE / ICSC / Any State Board - MEC / MPC / CEC

### Admission Process:

Candidates with valid score in JEE Mains / NEET / CLAT / IPM / TSEAMCET / APEAPCET / MHCET / UGAT / SAT are preferred in the selection process.

### Number of Seats: 120

### How to Apply:

You can apply online on our website

<http://www.vishwavishwani.ac.in>.

The Application Fee is Rs.600/- which is non-refundable. You can pay the Application fees through our secure payment gateway after filling the required details.



# CAREER OPPORTUNITIES FOR BS COMPUTER SCIENCE & BS FINANCIAL ANALYTICS

**Vishwa Vishwani Institute of Systems and Management** is uniquely placed to offer BS Computer Science and BS Financial Analytics 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 and Financial Analytics Graduates with expertise in Big Data, Business Data Analytics, Artificial Intelligence and Machine learning are needed in 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 professions 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.

# FIVE YEAR INTEGRATED MBA IN INDIA

The Five year integrated MBA program is a unique comprehensive Management program designed to nurture dynamic business leaders for future. IIM, Indore launched the 1st Five year Integrated Program in Management in 2011 and subsequently in 2012, Osmania University introduced this program. The Five Year Integrated MBA program is one of the most coveted program today, with as many as 4 more IIMs offering this course now.

Vishwa Vishwani is the first private affiliated Institution under the State Government University to offer Integrated MBA Course in 2013, apart from the Central Government Sponsored National Institutions such as IIM Rohtak, IIM Ranchi, IIM Indore, IIM Bodh Gaya and IIM Jammu.



## BBA – 3 Year Courses:

The BBA – 3 Years Degree is awarded after the successful completion of 3 years of study as an Exit Option in the AICTE Approved Five Year Integrated MBA Course as per the GO: 20 dated 22.03.2019.

Osmania University has approved the Introduction of new specializations in the emerging areas as per the letter dated 14.11.2022

Course	Specialisation	Duration	VAC with
BBA	Business Analytics	3 Years	Solix Technologies Inc
BBA	Hospital Administration	3 Years	Medicover Hospitals
BBA	Pharma Management	3 Years	LifeSpan Pvt Ltd
BBA	Agribusiness Management	3 Years	LifeSpan Pvt.Ltd
BBA	Aviation Management	3 Years	---
BBA	General Management	3 Years	---

## Eligibility:

10+2 / Intermediate

## Admission Process:

As per the norms of Osmania University and G.O. RT.No. 285 Dated: 06-09-2016

## **BBA (Hon's) - 4 Year Course:**

Osmania University has approved the Introduction of BBA (Hon's) - A Four Year Undergraduate Course has an exit option at 4<sup>th</sup> Year in the existing Integrated MBA Course and Introduction of new specializations in the emerging areas as per the letter dated 14.11.2022.

## **Advantages of Four Year Degree Courses Globally:**

- ◆ BBA (Hon's) with four year duration (16 Years Education) will enable or allow the aspiring students an opportunity to pursue MS/ MBA in Top Universities globally. Almost all Top Universities across the globe accept only 16 Years Bachelor's Degree for the Admission into its MS/ MBA Course.
- ◆ The exit option after completion of 4<sup>th</sup> year enables student to pursue One Year Executive MBA/ PGDM in top Business Schools like IIM's, ISB, XLRI, MDI, SP Jain, BIMTECH, & WE School etc.
- ◆ Graduates with Four Year Degree are eligible to pursue PhD. as per UGC.

<b>Course</b>	<b>Specialisation</b>	<b>Duration</b>	<b>VAC with</b>
BBA ( Hon's)	<b>Business Analytics</b>	4 Years	Solix Technologies Inc
BBA ( Hon's)	<b>Hospital Administration</b>	4 Years	Medicover Hospitals
BBA ( Hon's)	<b>Pharma Management</b>	4 Years	LifeSpan Pvt Ltd
BBA ( Hon's)	<b>Agribusiness Management</b>	4 Years	LifeSpan Pvt.Ltd
BBA ( Hon's)	<b>Aviation Management</b>	4 Years	---
BBA ( Hon's)	<b>General Management</b>	4 Years	---

## **Eligibility:**

10+2 / Intermediate

## **Admission Process:**

As per the norms of Osmania University and G.O. RT.No. 285 Dated: 06-09-2016

\*New Age specialization shall be offered subjected to the approval of BOS-DoBM-OUCCMB

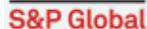
## Difference between the B.Tech, BBA (Hon's)

Factor	BS Computer Science
Full Name	Bachelor of Science
Stream	Computer Science, Financial-Analytics and Management
Duration	4 Years
Specialization	Multidisciplinary
Discipline	Interdisciplinary - AI, ML, Data Science & Big Data
Eligibility	MPC / BPC / MEC / CEC
Course Type	Techno Managerial
Focus	Technology and Management
Orientation	Scientific and Techno - Managerial
Employability	High
Eligibility for Govt Jobs	Yes
Approved by	TSCHE
Eligible for MS in US / UK	Yes
Affiliated to	Osmania University

# - Business Analytics & BS Computer Science

<b>B.Tech (CSE)</b>	<b>BBA (Hon's) - BA</b>
<b>Bachelor of Technology</b>	<b>Bachelor of Business Administration Honours</b>
Technology	Management
4 Years	4 Years
Computers Only	Multidisciplinary
Computer Science	Interdisciplinary - AI, ML, Data Science & Big Data
MPC	MPC / BPC / MEC / CEC
Purely Technical	Techno Managerial
Purely Technical	Technology and Management
Technical	Techno Managerial
Average	High
Yes	Yes
AICTE	AICTE
Yes	Yes
Technical University	Osmania University

## SOME OF OUR TOP RECRUITERS





**VISHWA  
VISHWANI**

INSTITUTE OF SYSTEMS & MANAGEMENT



Approved by AICTE

**ADMISSIONS OPEN**

# PGDM

- **FINANCE**
- **MARKETING**
- **HUMAN RESOURCES (HR)**
- **OPERATIONS**
- **BANKING & INSURANCE**
- **HOSPITAL ADMINISTRATION**
- **AGRIBUSINESS MANAGEMENT**
- **PHARMA MANAGEMENT**
- **BUSINESS ANALYTICS**

**Eligibility: Any Graduation as per AICTE Norms**

Avail Merit Scholarship of Upto **Rs.2.60 Lakhs**  
based on Vishwa Vishwani Scholarship Test (VVST)  
& Personal Interview (PI)

**Apply Online: [www.vishwavishwani.ac.in](http://www.vishwavishwani.ac.in)**

**Call: 9849 464 333 , 9849 247 333**

**Ph: 040 2322 8333 / 2322 8399**

**Admissions Office: #601, Mahaveer Chambers, (Stanza Building),  
Liberty X Roads, Himayatnagar, Hyderabad.**

**Campus: Boston House, Thumkunta, Hakimpet, Shamirpet Road, Hyderabad.**

**3<sup>rd</sup> LARGEST BUSINESS SCHOOL IN SOUTH INDIA**

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## LIFE AT V V - AN EXPERIENCE TO CHERISH

Life at VishwaVishwani is a combination of quality education, healthy competition, entertainment and fun. Our vibrant student community is our greatest asset. The success of our alumni is testimony to the soundness of our principles and the strength of our education. V V is built on a 24 year strong foundation of quality education - over 8000+ students trained at the institutions are now placed in Fortune 500 companies.

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### Business School Ranking

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**The** Most happening Business school  
in Hyderabad

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**A+ + +** Category Business School

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**27<sup>th</sup>** Ranking Business School in India

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**3<sup>rd</sup>** Largest Business School in South India



#### 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

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Approved by AICTE & Affiliated to Osmania University.

**BBA (HON'S)**

**BUSINESS ANALYTICS**

**AVIATION MANAGEMENT**

**HOSPITAL ADMINISTRATION**

**AGRIBUSINESS MANAGEMENT**

**AICTE APPROVED - FOUR YEAR UG COURSE**