



# Indian Institute of Management Sambalpur

Commences

## Bachelor of Science (B.S.) Programme in Data Science & Artificial Intelligence

*4-Year Fully Residential Program*

*An Undergraduate Programme Building Leaders for a Data-Driven World*

**Admission Through IIT JEE (Mains) 2025 Score**



“

Blending academic  
excellence with real-  
world intelligence

”

**Admissions Open for Batch 2025–29**

# ABOUT IIM SAMBALPUR

**Indian Institute of Management Sambalpur (IIM Sambalpur)** is an institute of national importance (an autonomous institute under the aegis of Ministry of Education, Govt of India. It is one of India's most dynamic and fast-growing management institutes, is located amidst the serene hills and farmlands of Basantpur, Odisha. Established in 2015, IIM Sambalpur is built on the pillars of **Innovation, Integrity, and Inclusiveness**, shaping agile leaders for a rapidly changing global environment. Its permanent, state-of-the-art 200-acre campus underscores its national importance and forward-looking vision & Mission.



## Vision

To be an Institute par Excellence in nurturing Responsible Leaders with an Entrepreneurial Mindset.



## Mission

To advance Management Knowledge and develop Responsible Leaders with Managerial, Research, and Entrepreneurial competencies.



The institute's **flagship MBA program** stands out for its experiential and entrepreneurial pedagogy and strong industry integration. In addition to the flagship program, IIM Sambalpur has introduced a specialized **MBA in Business Analytics (MBA-BA)**, at its Delhi Centre in collaboration with the prestigious **Asian Institute of Technology (AIT) Bangkok**, offering students critical international exposure in analytics and innovation. Extending its reach to working professionals, the institute offers an **MBA for Working Professionals** based in Delhi and Executive MBA in virtual mode, crafted to equip mid- and senior-level executives with cutting-edge leadership skills and contemporary management while allowing them to balance their professional commitments. Further strengthening its academic depth, IIM Sambalpur offers both a **full-time Ph.D. program** for aspiring scholars, "**PhD in Management for Working Professionals**" and a Dual Degree "**Executive PhD & Doctor of Business Administration (DBA)**" program in collaboration with international organisation targeted at

senior executives and practitioners, providing avenues for deep research with global relevance.

IIM Sambalpur's commitment to excellence is reinforced by its memberships in prestigious global networks such as the **AACSB Business Education Alliance, BGA, EFMD and PRME**.

Its educational experience is further elevated through the adoption of **AI-powered learning platforms**, offering students a personalized and engaging academic journey.

Student life thrives with vibrant, student-led initiatives across business conclaves, innovation challenges, cultural events, and leadership forums, ensuring a holistic development environment. Through strategic collaborations, cutting-edge programs, and a commitment to action-centric research, IIM Sambalpur has rapidly emerged as a modern institution with strong roots — nurturing socially conscious, globally competent, and future-ready leaders.



धर्मेन्द्र प्रधान  
धर्मोद्धार  
Dharmendra Pradhan



75  
आज़ादी का  
अमृत महोत्सव

शिक्षा मंत्री  
भारत सरकार  
Minister of Education  
Government of India



### MESSAGE

I am happy to know that **Indian Institute of Management (IIM), Sambalpur, Odisha** is going to launch two new 4-year B. S. Degree Programmes in Data Science & AI and Management & Public Policy respectively through JEE Main and CUET – two prestigious national level entrance examinations.

These degree programmes capture the vision of IIM Sambalpur which is in alignment with the spirit of multi-disciplinarity and flexibility enshrined in National Education Policy, 2020. I am sure, these programmes will be in sync with modern day industry requirements and help build the techno-managerial capacity to realise the vision of *Viksit Odisha@2036* and *Viksit Bharat@2047*.

I wish the IIM Sambalpur all success in this laudable initiative.

(Dharmendra Pradhan)

सबको शिक्षा, अच्छी शिक्षा

MOE - Room No. 301, 'C' Wing, 3rd Floor, Shastri Bhavan, New Delhi-110 001, Phone : 91-11-23782387, Fax : 91-11-23382365  
E-mail : minister.sm@gov.in



## MESSAGE FROM THE DIRECTOR



*It is with great pride and excitement that we at IIM Sambalpur announce the launch of our Bachelor of Science (B.S.) four-Year fully residential program in Data Science and Artificial Intelligence a pioneering step toward building future-ready talent equipped for a digital and data-driven world.*



It is with great pride and excitement that we at IIM Sambalpur announce the launch of our Bachelor of Science (B.S.) four-Year fully residential program in Data Science and Artificial Intelligence a pioneering step toward building future-ready talent equipped for a digital and data-driven world. In line with India's National Education Policy (NEP 2020) and IIM Sambalpur's vision of nurturing responsible leaders with entrepreneurial mindsets, this program bridges management, technology, and applied science. It offers a unique blend of analytical rigor, AI-driven insights, and real-world problem-solving all grounded in ethical and inclusive innovation.

IIM Sambalpur, as an Institution of National Importance, is committed to offering future-oriented, interdisciplinary education that blends academic rigour with societal relevance. Our B.S. in Data Science and Artificial Intelligence Program is a bold step in that direction. Anchored in the core values of innovation, inclusivity, and integrity, the programme brings together the analytical depth of data science with the transformative potential of artificial intelligence, all within the broader context of ethical decision-making and real-world application.

As we stand at the forefront of the Fourth Industrial Revolution, data and intelligent systems are reshaping every sector from healthcare and finance to education and governance. This program is a timely response to the global demand for skilled professionals who can harness the power of Data and AI to solve complex real-world problems.

As we embark on this exciting new journey, I warmly welcome aspiring young minds to be part of this transformative program and join the IIM Sambalpur community where ideas lead to impact.

**Prof. Mahadeo Prasad Jaiswal**

Director, IIM Sambalpur



## MESSAGE FROM THE PROGRAMME CHAIR



*This program is designed to provide students with a strong foundation in mathematics, statistics, computer science, and management while also equipping them with hands-on experience in machine learning, data engineering, AI, and real-world industry applications.*



It is my privilege to introduce the Bachelor of Science (B.S.) Four-Year fully residential Program in Data Science and Artificial Intelligence at IIM Sambalpur — a program crafted to meet the evolving needs of the digital era and nurture the next generation of data-driven innovators. Today, Data Science and Artificial Intelligence are not just tools — they are transformative forces reshaping industries, economies, and societies. This program is designed to provide students with a strong foundation in mathematics, statistics, computer science, and management while also equipping them with hands-on experience in machine learning, data engineering, AI, and real-world industry applications.

The B.S. program in Data Science and Artificial Intelligence at IIM Sambalpur offers a well-structured, four-year curriculum aligned with global academic and industry standards. The curriculum begins with foundational training in programming, mathematics, and statistics, then advances to core subjects such as machine learning, data mining, AI applications, big data technologies as well as core management courses. It culminates with specialized electives, capstone projects, and internships, enabling students to gain practical experience and domain-specific knowledge. This comprehensive framework ensures a balanced mix of theoretical learning, hands-on practice, and interdisciplinary exposure.

Graduates of this program will be prepared for high-impact careers in data science, Artificial Engineering, Business Analytics, research, and product development. They will also be well-positioned to pursue higher studies at leading global institutions or launch AI-driven ventures of their own. At IIM Sambalpur, we believe in fostering not just skilful professionals, but ethical, agile, and socially conscious leaders. As the Program Chair, I am excited to mentor our first cohort of students and build a program that sets new benchmarks in data-driven education.

I warmly invite you to be a part of this transformative journey.

**Prof. Rohit Gupta**

Chairperson- B.S. in Data Science and Artificial Intelligence Programme

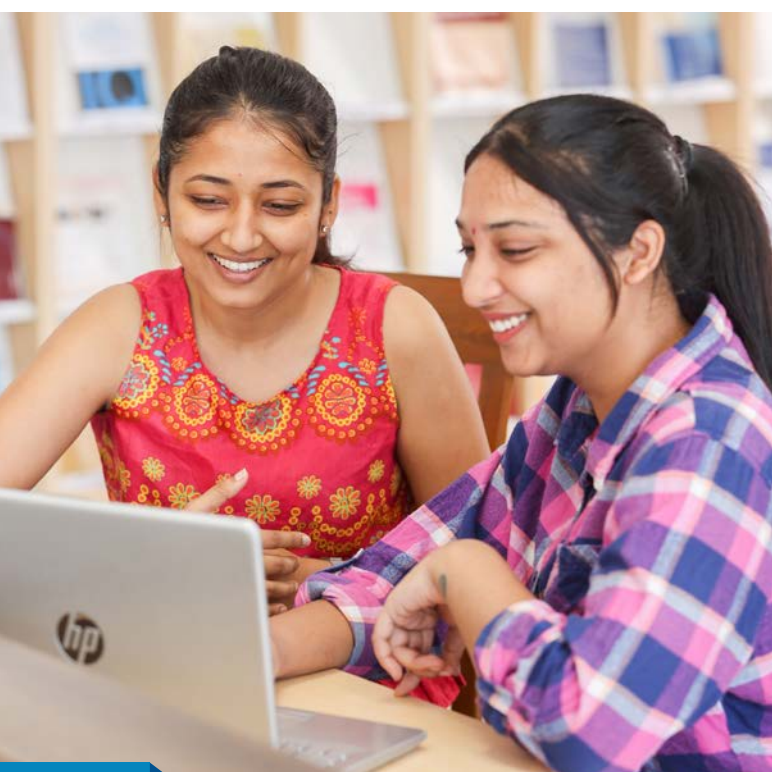
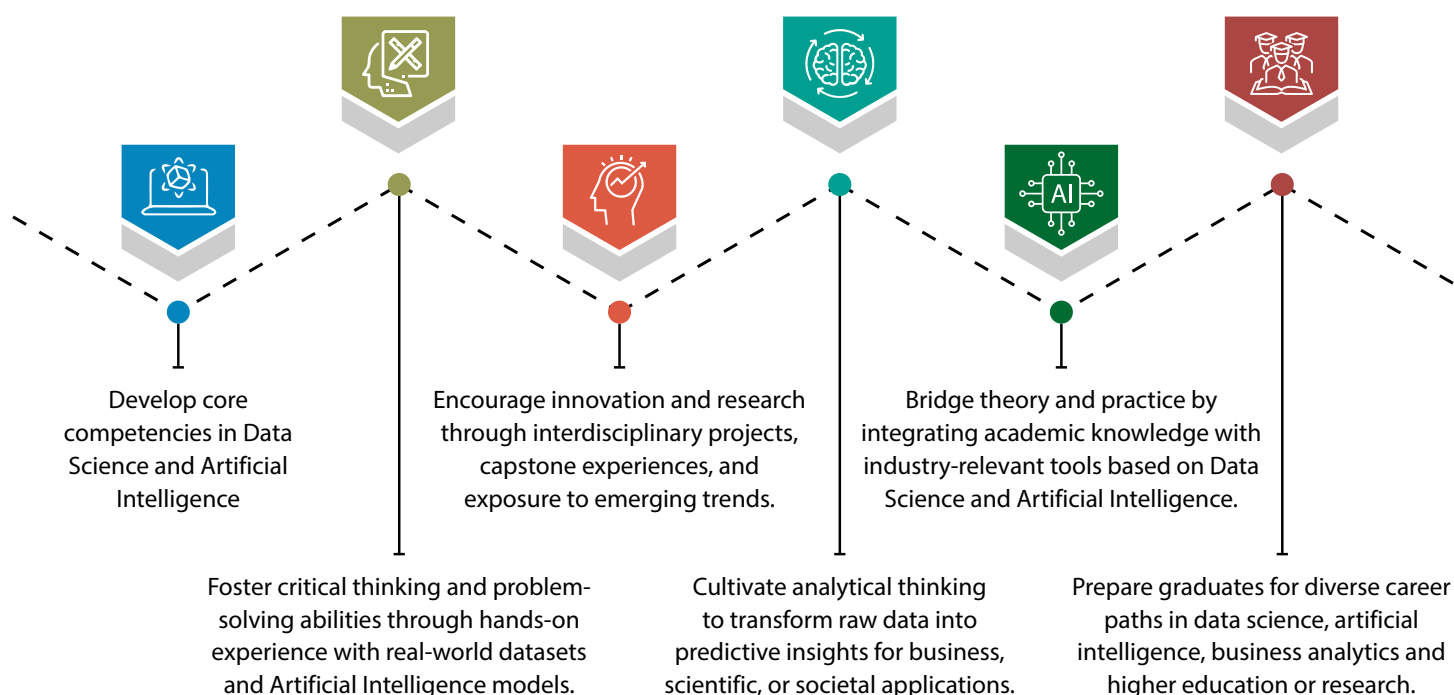


# ABOUT THE PROGRAMME



The B.S. in Data Science and Artificial Intelligence is a four-year undergraduate degree designed to provide in-depth understanding in mathematics, statistics, computing, data handling, and AI models. The programme integrates theoretical knowledge with practical skills and ethical considerations to address real-world problems through intelligent systems.

## Programme Objectives



## Programme Highlights

- 01 Curriculum aligned with the latest industry trends and academic research frontiers.
- 02 Intensive lab sessions, coding bootcamps, and case study-based teaching.
- 03 Real-world exposure through live projects, internships, and industry collaborations.
- 04 Final year dissertation focused on solving real-world problems using AI and data-driven approaches.
- 05 Industry-focused modules co-designed with leading tech firms and AI practitioners.
- 06 Multiple exit options in line with NEP: Certificate (1st Year), Diploma (2nd Year), Degree (3rd Year), Honours (4th Year)

# ADMISSION



## Eligibility Criteria

- Must have either passed their their Standard XII/HSC or equivalent examination in the year 2024 or 2025, or be currently appearing for Standard XII/HSC or equivalent examination, with results expected by June 2025.
- Min. 70% in both Standard X/SSC and Standard XII/HSC or equivalent examinations (General Category); 65% for SC/ST/OBC-NCL/ PwD and EWS Categories.
- Must have passed English language examination as subjects of study in Standard X/SSC and Standard XII/HSC or equivalent examinations.
- Max age: 21 years (as of July 31, 2025); relaxations as per Govt. norms.



## Standard Score Requirement

- JEE (Main) 2025 score (mandatory for all applicants).



## Admission Process (Two-Stage)

### 1. Apply Online via IIM Sambalpur Admission Portal

- Submit JEE (Main) 2025 Score
- Standard X/SSC and Standard XII/HSC or equivalent examinations certificates, category/PwD proofs

### 2. Merit List Preparation

- JEE (Main) 2025 Score: The final merit list will be prepared based on the IIT JEE (Main) 2025 Score.



## Application Fees

- ₹1000 + applicable taxes (General)
- ₹500 + applicable taxes (SC/ST/PwD, NC-OBC/EWS)



## Important Dates (Tentative)

Application Window

**June 15- July 20, 2025**

Publication of Result

**1st Week of August, 2025**

Programme Begins

**September 2025**



Batch Size

**90 Students**



# PROGRAMME STRUCTURE

TOTAL CREDITS: 170 | 8 SEMESTERS

## SEMESTER

I

### Foundation

- Statistics-I
- Mathematics I
- Programming Language-I

### Management

- Philosophy & Sociology
- Oral Communication
- Yoga & Positive Psychology

YEAR 1

*Non-Credit course: Workshop/Certification*

## SEMESTER

II

### Foundation

- Statistics II
- Mathematics II
- Programming Language-II
- Data Visualization

### Management

- Principles of Economics
- Principles of Management
- Written Communication

YEAR 1

*Non-Credit course: Workshop/Certification*

## SEMESTER

III

### Foundation

- Data Science: An Introduction
- Algorithm Design and Analysis
- Database Management Systems
- Data Structures
- Programming Language-III
- Introduction to AI

### Management

- Principles of Marketing

YEAR 2

*Non-Credit course: Workshop/Certification*

## SEMESTER

IV

### Foundation

- Econometrics
- Machine Learning Fundamentals
- Introduction to Simulation
- Introduction to R

### Management

- Financial Accounting and Financial Mangement
- Decision Modelling
- Foundations of Information Systems

YEAR 2

*Non-Credit course: Workshop/Certification*



## SEMESTER

V

### Foundation

- Data Mining and Warehousing
- Natural Language Processing
- Cloud Computing
- AI Tools and Applications

### Management

- Business Research Methods
- Operations and Supply Chain Management
- Strategic Management

YEAR 3

*Non-Credit course: Workshop/Certification*

## SEMESTER

VI

### Foundation

- Fundamentals of Blockchain
- Deep Learning and Neural Networks
- Web Technologies
- Introduction to Cyber Security
- Quantum Computing
- Essentials of Generative AI, Prompt Engineering & ChatGPT

### Management

- Human Resource Management

YEAR 3

*Non-Credit course: Summer Industry Internship*

## SEMESTER

VII

### Research (Compulsory)

- Marketing Research & Analytics

### Any 5 Courses (Tentative List)

#### Research

- Operations Analytics
- Big Data Analytics
- Advanced Generative AI
- Security Analysis & Portfolio Management
- Data Preprocessing & Feature Engineering
- Banking and Financial Service
- Augmented and Virtual Reality
- HR Analytics
- Supply Chain Analytics
- Revenue & Pricing Analytics
- AI Strategy, Ethics and Governance
- Fintech
- Emerging Technology in Human Resource Management
- Advanced Econometrics
- Strategy in the era of Big Data
- Emerging trends of Analytics and AI in Public Policy

YEAR 4

## SEMESTER

VIII

### Research

- Dissertation

YEAR 4

## Exit Options Available After Each Year

Year	Exit Option	Award
1	Certificate	Certificate
2	Diploma	Diploma
3	Degree	B.S. Degree
4	Honours	B.S. (Hons.)



# Life @ IIM Sambalpur



## Campus & Culture



A modern, eco-friendly campus in Odisha with digital infrastructure



Peer-driven culture with mentorship by IIM faculty and alumni



Facilities for sports, wellness, and creativity





## Beyond Academics



Clubs for policy, debate, entrepreneurship, sustainability



Field immersions, NGO and government projects



Guest lectures from industry, bureaucracy, think tanks



Annual fests, cultural events, student-led initiatives



## Accommodation



Students will be provided shared residential accommodation on campus.







नवसर्जनम् - शुचिता - समावेशत्वम्

**IIM**  
**SAMBALPUR**



### Contact Us

#### B.S. Programme Office

Bachelor of Science in Data Science and Artificial Intelligence  
Indian Institute of Management Sambalpur  
Basantpur, Sambalpur, Odisha – 768025

Email: [bs.admissions@iimsambalpur.ac.in](mailto:bs.admissions@iimsambalpur.ac.in) | Website: [www.iimsambalpur.ac.in](http://www.iimsambalpur.ac.in)

Phone: +91 9078546024 / +91 7327014789