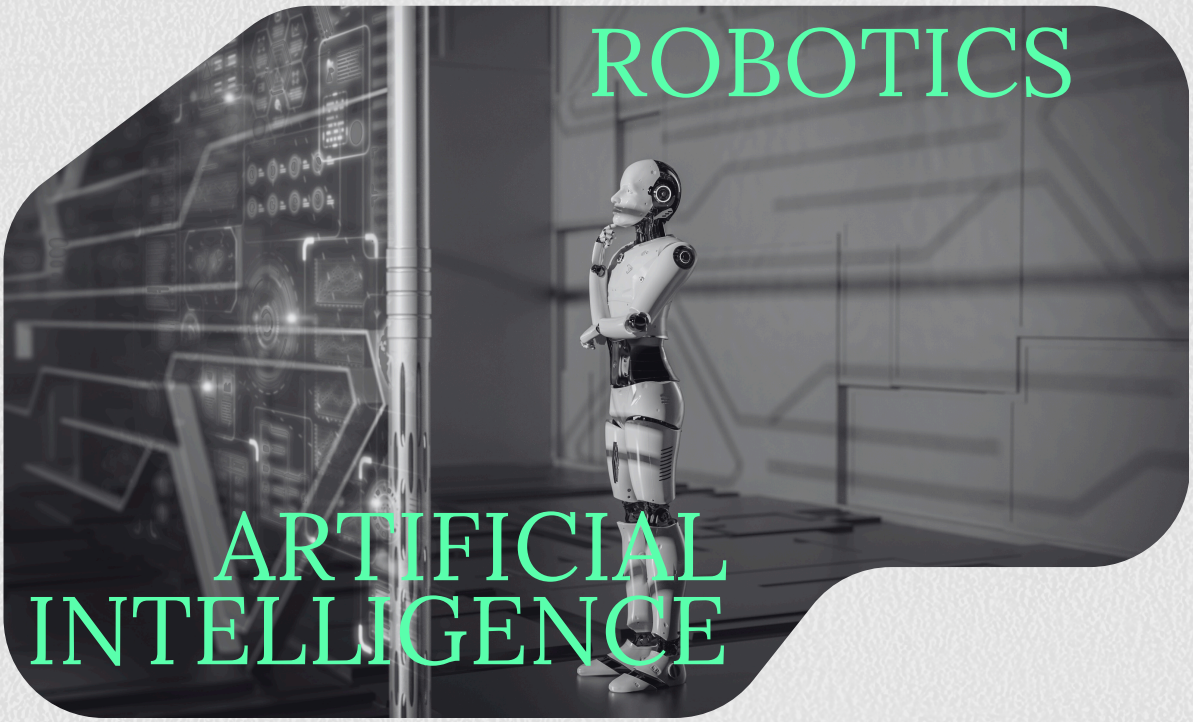
SILIGURI INSTITUTE OF ROBOTICS AI & MANAGEMENT

SIRAM



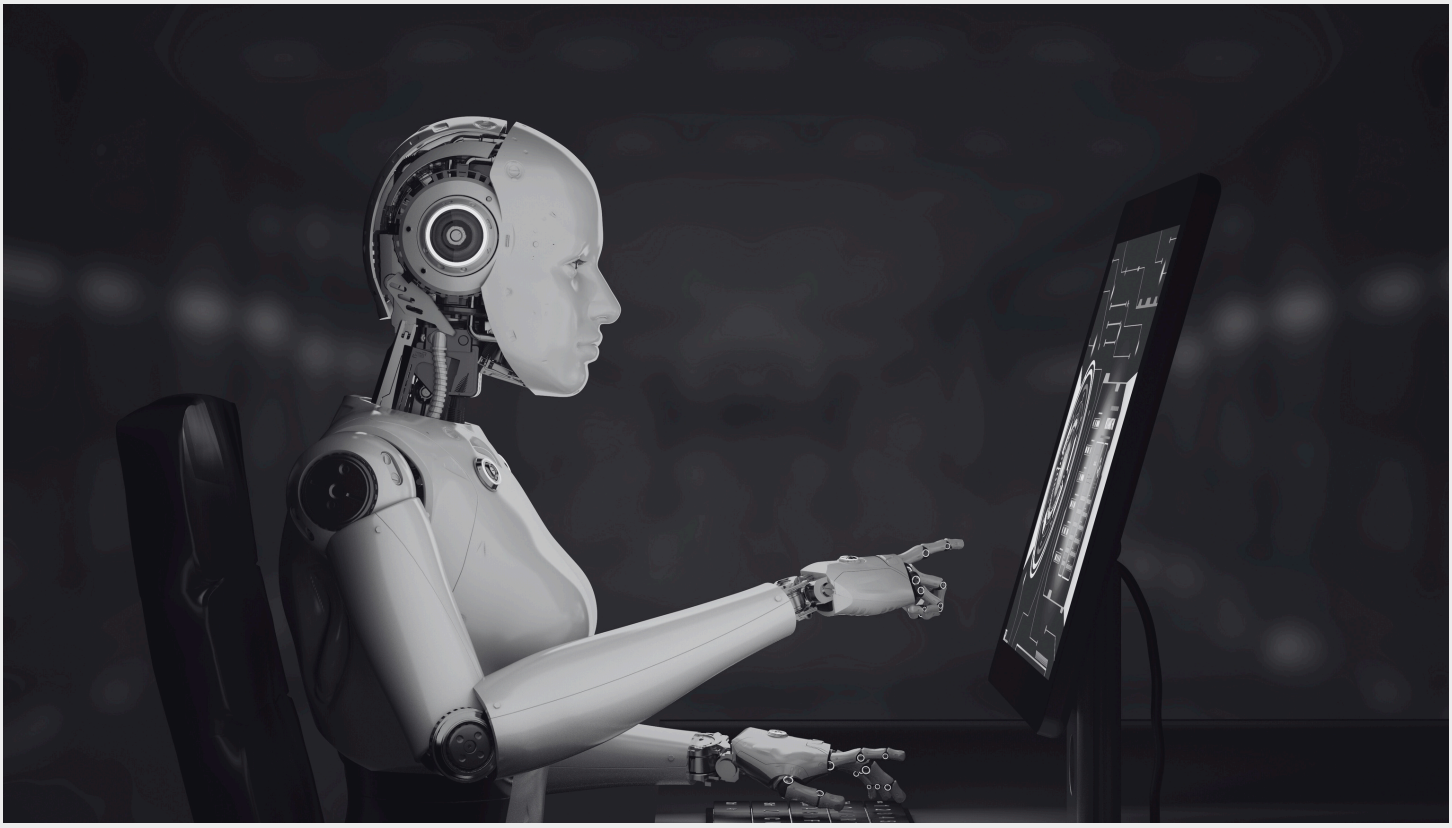
Prospectus

Where Robotics Meets Leadership.....

ABOUT US

Siliguri Institute of Robotics AI and Management (SIRAM), an initiative by Technosanskriti, is a pioneering institution dedicated to advancing education in Artificial Intelligence, Robotics, and Emerging Technologies. With a commitment to excellence, SIRAM bridges the gap between traditional education and the rapidly evolving tech-driven world, empowering students with industry-relevant skills.

At SIRAM, we offer a specialized BCA program in AI & Robotics, designed to equip students with cutting-edge knowledge in Machine Learning, Automation, IoT, Data Science, and Advanced Robotics. Upon successful completion, students will be awarded a Bachelor of Computer Applications (BCA) degree by Shri Davara University, ensuring national and international recognition for higher education and career opportunities.

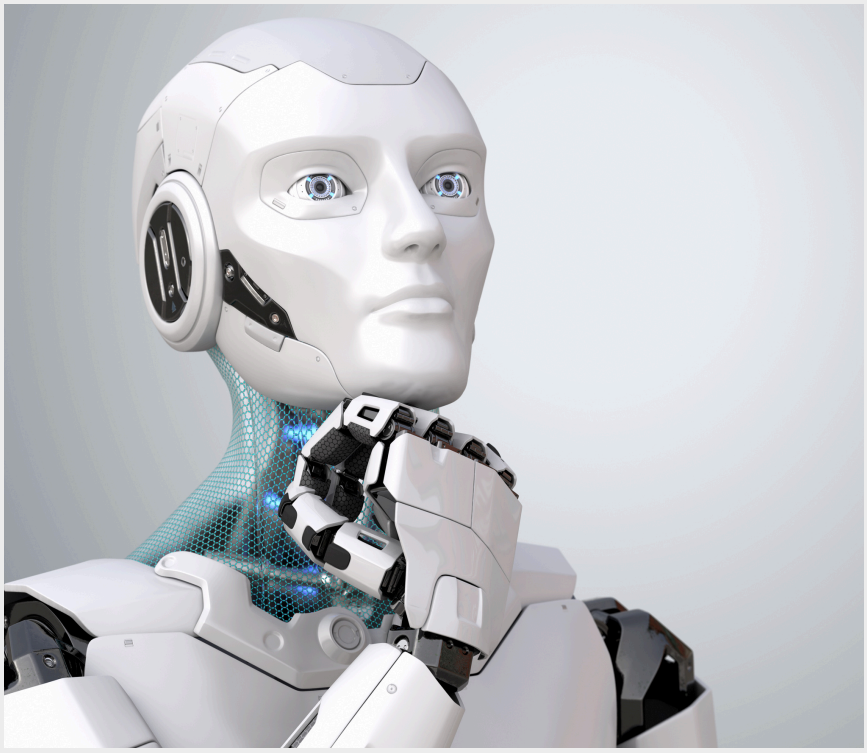


OUR VISION

To be a leading institution in AI, Robotics, and Emerging Technologies, empowering students with cutting-edge skills and industry-driven innovation. We aim to bridge the gap between academics and real-world applications, fostering a generation of tech leaders and problem-solvers.

CORE VALUES

We foster innovation and excellence through continuous learning and industry-relevant education. With a strong focus on integrity, ethics, and collaboration, we drive progress in AI, Robotics, and beyond.



PROGRAMME OFFERED

BCA in AI/ML & Robotics

Offered by: Siliguri Institute of Robotics, AI & Management (SIRAM)
In Affiliation with: Shri Davara University

Program Overview

SIRAM presents a 3-year full-time Bachelor of Computer Applications (BCA) degree with specialization in AI/ML & Robotics in academic partnership with Shri Davara University. This pioneering program is tailored for the next generation of innovators, combining foundational computer science with cutting-edge training in AI, ML, and Robotics.

Students will undergo classroom training at SIRAM Siliguri Campus, while semester examinations will be conducted at Shri Davara University campus. Travel and accommodation during exams will be fully covered by SIRAM.

Program Objectives

- Equip students with robust knowledge of Computer Science fundamentals.
- Enable mastery of Artificial Intelligence, Machine Learning, and Robotics.
- Cultivate hands-on experience through practical labs, simulations, and real-world projects.
- Foster industry-readiness and entrepreneurial thinking in emerging technology sectors.

Program Duration: 3 Years (6 Semesters)

Eligibility Criteria:

- Passed 10+2 or equivalent.
- Candidates from Science, Commerce, or Arts streams are eligible.
- Basic knowledge of computers preferred but not mandatory.

Program Structure (Semester-wise)

Semester I

Course Code	Course Name	Credits
DC01RM-1C1	Fundamentals of Information Technology – Theory	4
DC01RM-1P1	Fundamentals of Information Technology – Practical	2
DC01RM-1C2	Computer System Architecture – Theory	4
DC01RM-1P2	Computer System Architecture – Practical	2
DC01RM-1C3	Soft Skills & Business Communication	4
DC01RM-1C4	Basic Mathematics & Statistics	4
DC01RM-1C5	Social Responsibility and Community Engagement	2

Semester II

Course Code	Course Name	Credits
DC01RM-2C1	Programming Fundamentals using C++ – Theory	4
DC01RM-2P1	Programming Fundamentals using C++ – Practical	2
DC01RM-2C2	Database Management System – Theory	4
DC01RM-2P2	Database Management System – Practical	2
DC01RM-2C3	Environmental Studies	2
DC01RM-2C4	Statistical Techniques with R	4

Semester III

Course Code	Course Name	Credits
DC01RM-3C1	Introduction to Robotics	2
DC01RM-3C2	Data Structures	4
DC01RM-3C3	Operating Systems – Theory	4
DC01RM-3P1	Operating Systems – Practical	2
DC01RM-3C4	Research Methodology	2
DC01RM-3C5	Web Application and Development – Theory	4
DC01RM-3P2	Web Applications and Development – Practical	2
DC01RM-3C6	Open Elective I	2

Semester IV

Course Code	Course Name	Credits
DC01RM-4C1	Software Engineering	4
DC01RM-4C2	Introduction to Artificial Intelligence – Theory	4
DC01RM-4P1	Artificial Intelligence – Practical	2
DC01RM-4C3	Programming in Java – Theory	4
DC01RM-4P2	Programming in Java – Practical	2
DC01RM-4C4	Computer Networks	2

DC01RM-4C5	Entrepreneurship	2
DC01RM-4C6	Open Elective II	2

Semester V

Course Code	Course Name	Credits
DC01RM-5C1	Fundamentals of Robotic System and Robot Programming – Theory	4
DC01RM-5P1	Fundamentals of Robotic System and Robot Programming – Practical	2
DC01RM-5C2	Machine Learning – I	4
DC01RM-5C3	Artificial Neural Network – Theory	4
DC01RM-5P2	Artificial Neural Network – Practical	2
DC01RM-5C4	Data Analytics – Theory	4
DC01RM-5P3	Data Analytics – Practical	2

Semester VI

Course Code	Course Name	Credits
DC01RM-6C1	Machine Learning – II	6
DC01RM-6C2	Kinematics and Dynamics of Robots	6
DC01RM-6C3	Fundamentals of Artificial Intelligence for Robots	4
DC01RM-6C4	Project	6
DC01RM-6C5	Ethics in Information Technology and Computer Communication	2

Open Elective I Options (Semester III)

- Cryptography
- Computer Security
- Cloud Computing

Open Elective II Options (Semester IV)

- Computer Forensics
- Mobile & Wireless Security
- Internet of Things

Examination & University Guidelines

Students enrolled in the BCA in AI/ML & Robotics program will complete their coursework and practical training at our center — Siliguri Institute of Robotics AI & Management (SIRAM). However, all semester-end examinations will be conducted at Shri Davara University, our affiliating university.

To ensure a smooth academic experience, the following support is provided:

- **Travel Arrangements:** We arrange travel to the university for every semester examination.
- **Accommodation:** Comfortable lodging is provided at no additional cost during the examination period.
- **University Certification:** On successful completion, students will be awarded their degree by Shri Davara University, recognized across industries and academic institutions.

Fee Structure

Fee Component	Amount (₹)	Remarks
1st Year Fee	₹1,40,000	Includes Admission Fee & Dress Fee & Free Laptop
2nd Year Fee	₹75,000	-
3rd Year Fee	₹75,000	-
Total Course Fee	**₹2,90,000**	**-**
One-Time Fees at Admission		
Registration Fee	₹4,999	Payable at admission
Examination Fee	₹3,999	Payable annually
Admission Fee	₹50,000	Adjusted in 1st Year Fee
Dress Fee	₹3,999	Included in 1st Year Fee
Total Payable at Admission	**₹62,997**	**-**

Additional Notes

- The Examination Fee is payable annually as per guidelines.
- Scholarship and installment options are available.
- The fee structure is subject to revision based on institutional policies.

Shape your future with cutting-edge education in AI, ML & Robotics. Join the revolution in technology and innovation with our industry-focused BCA program

FIRST TIME IN SILIGURI – BCA IN AI, ML & ROBOTICS!

ADMISSION OPEN

100 % Placement Guarantee!

Free Laptop for Students!

Bank Loan Assistance Available!

Scholarships Available!

Our Recruiters!

HAVELLS, TATA ELECTRONICS, MARUTI SUZUKI, mi, SAMSUNG ELECTRONICS, salesforce, Vistron, MINDA, Reliance, BAJAJ, vivo, PVR CINEMAS, QUESS, amazon.in, Flipkart, firstsource, TECHNOTASK, D-Mart

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