



www.inspiria.edu.in

BCA

Bachelor of Computer Application

4 Years | Full-Time | Industry-Integrated



Get *Life-Ready* with Inspiria

A Chronicle of the Course Legacy: 2015–2026

BCA Programme:

Created the core comprehensive IT degree to build the School of Computer Science and Applications.

Trusted Recognitions



National Assessment and
Accreditation Council



All India Council for
Technical Education



MAKAUT, University of
Technology



Institution's Innovation
Council (IIC)



Recognized & Respected



Format

FULL TIME

Immersive learning
experience

Eligibility

CLASS XII

From Fundamentals to
Future-ready Skills

Approval

AICTE

The only AICTE-approved digital
marketing degree course in
Siliguri.

Duration

4 YEARS

3 years at Inspiria + 1 Year-
Long Internship



4-YEAR | 8-SEMESTER CURRICULUM MAP



• 1st Semester

- Mathematics Foundations to Computer Science - I
- Computer Architecture

• 2nd Semester

- Mathematics Foundations to Computer Science - II
- Data Structure
- Operating System

• 3rd Semester

- Probability and Statistics
- Data Base Management System
- Software Engineering

• 4th Semester

- Computer Networks
- Design and Analysis of Algorithm
- Artificial Intelligence

• 5th Semester

- Neural Network
- Digital Image Processing
- Machine Learning

• 6th Semester

- Generative AI
- Deep Learning for Computer Vision
- Exploratory Data Analysis

• 7th Semester

- Optimization Problem
- Business Intelligence & Analytics
- Data Mining & Warehousing

• 8th Semester

- Python for Data Analysis.
- Evolutionary Algorithm
- Security aspects of ML

Industry-Oriented CURRICULUM

To equip students with comprehensive technical proficiency and hands-on IT skills, fostering readiness for careers in software development, data management, and evolving technology domains.

Practical Learning:

Hands-on projects, labs, coding exercises, and hackathons

Industry Exposure:

Internship, live projects, company visits, and mentorship

Updated Curriculum:

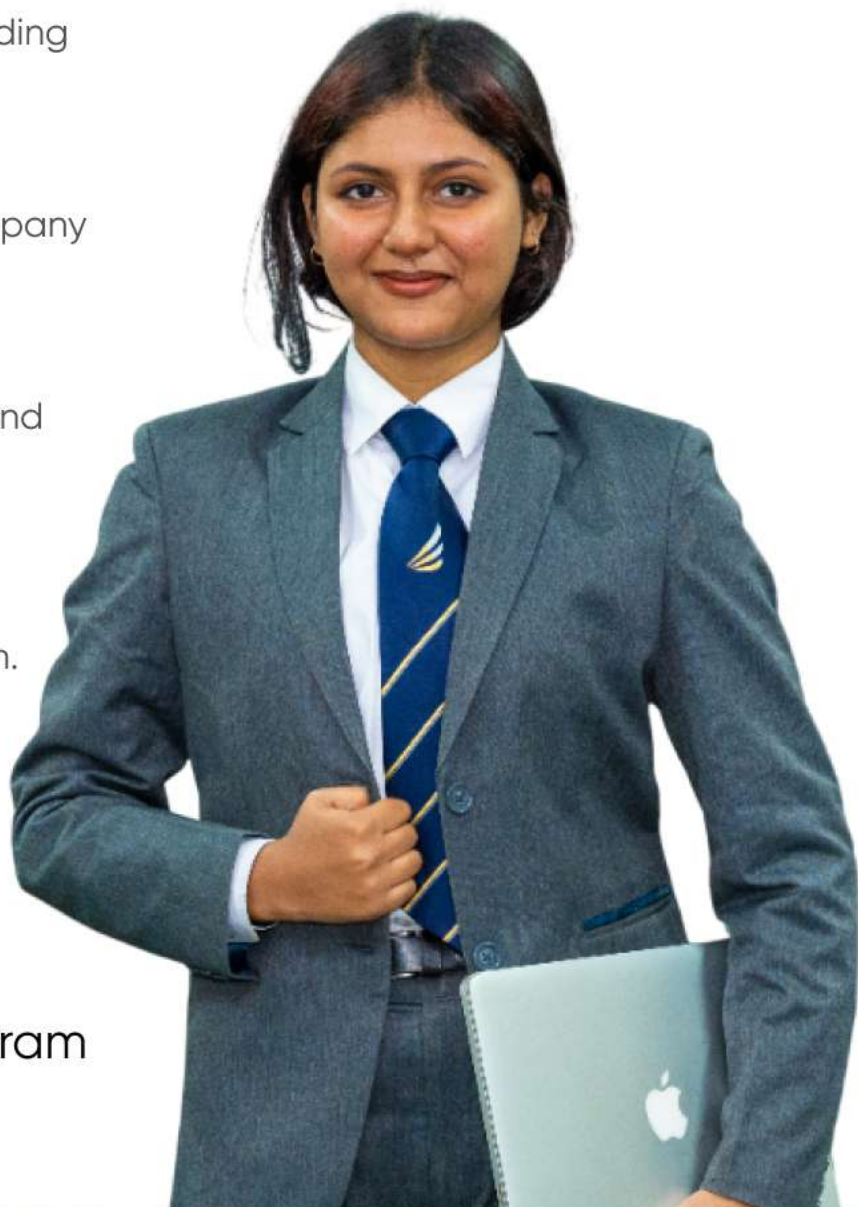
Latest tools, technologies, and industry-relevant subjects

Skill Development:

Soft skills, problem-solving, teamwork, & communication.

Discover:

a unique
undergraduate program



Practical Curriculum

01

Full-Stack Development

- Frontend: HTML, CSS, JavaScript
- Backend: Node.js, Python (Django/Flask), PHP
- Tools: Git & GitHub

02

Database & Data Management

- Databases: MySQL, MongoDB
- Tools: SQL Workbench, Firebase

Transforming
theory into
practice

03

Cloud & Deployment

- Cloud: AWS, Google Cloud
- Deployment: Heroku, Netlify, Vercel
- Tools: Docker

04

Emerging Technologies

- AI/ML
- Blockchain
- AR/VR

Hands-on Experiential Learning

01

High end Computer Labs
with latest Softwares



02

Visit to Data centres &
High Performance
Computing Units

03

Application driven
learning through Projects



Supplementary value-added seminars & sessions



Cybersecurity



Artificial Intelligence

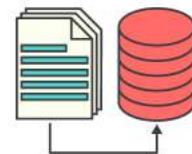


Data Analytics and BI



UI/UX Designs

Technical Mastery (Hard Skills)



Databases



Data Structure & Algorithms



Cloud Computing



Full stack developer

Professional Competence (Soft Skills)



Project Management



Communication & Team work



Quantitative Aptitude



Technical Writing

Learning Ecosystem



Campus Powered by:
Google Apps



State-of-the-Art Labs with:
High-Speed
Connectivity



Tech enabled:
Classroom Environment



Well-equipped library and
Digital Knowledge Hub



Digital Classrooms
Learn, track, and grow all in one
modern LMS platform.



Customized for
Seamless communication,
smarter learning.

One Mindset

From Hard Coders to Non-Coders We Nurture All



Low Code



Hard Code



No Code

We Encourage Every Talent.

Academia-Industry Fusion



Industry Mentors

Support that Strengthens Beyond Studies



Atul Gupta
CEO, APPSeCONNECT



Abhishek Gupta
Founder, Codebuddy



Santosh Panda
CEO, Explore



Vinay Pagaria
CTO, Stockedge



Abhishek Rungta
Founder, INT Global



Srish Agarwal
Founder,
A1 Future Technologies



Mrityunjay Kumar
Asso. Prof.



Kashi K S
Chief AI Officer at
Alfahive Inc



Swagata Chakraborty
Designer, APPSeCONNECT



Rakesh Mondal
AI-First SaaS UX/UI,
Enterprise Product Designer



Sri Harsha Mallepudi
Product Design @
CostGPT



Penchen Dorjee Tamang
AI Expert, Bushiso.one

Workplace-ready Experiences

Hackathon & Coding challenges

Platforms like HackerRank, CodeChef, LeetCode, HackerEarth, & Codeforces help them build confidence and industry-ready projects.

Mock-X Campuso & Office simulation

Mock interviews and office simulations prepare students for real corporate environments. It builds confidence, communication, and professionalism.

Networking Opportunities

Mentorship and Industry guidance.

Soft-Skills Training

Soft-Skills Training equips students with communication, teamwork, and leadership abilities to thrive in professional environments.

Professional tools & Platforms

GitHub for collaboration, VS Code, Docker and Kubernetes for deployment, NumPy, Pandas, Matplotlib, R, Tableau, Power BI, Excel, MySQL, PostgreSQL etc. for DBA.

Innovation, Research & Entrepreneurship

We foster Innovation, Research, and Entrepreneurship to transform ideas into impactful solutions and future-ready ventures



Internships

Start in Year 3



Early Exposure

Experience real-world workflows and Industry practices



High Participation

100% of students intern within their third year.



Global Opportunities

Promoting the Global Integration of Skilled Students.



1:1 Mentorship

1:10 Mentor-to-Student Ratio Ensuring personalized guidance and support for Projects, Internship & Placement.



Innovation in Action: Hackathons

**< AIGNITE '25 />**

Presented by
 | 

East India's Largest AI <hackathon/>

Kolkata & Siliguri

Open for professionals & students.

APRIL
19-20
2025

PRIZES
₹5L
WORTH

A GOLDEN CHANCE TO GET YOUR AI
IDEA FUNDED & INCUBATED
Register at: aignite2025.com

Judges


Abhishek Gupta
Founder, CodeBuddy


Santosh Pandey
CEO, Eureka


Abhinav Bhatia
Founder, AI Circle


Debashish Sen
Partner, AI


Vishay Prasad
CTO, Knowledge


Atul Gupta
CEO, APAC@CODE

In association with
 Heritage Institute of Technology
 Inspira Knowledge Campus



In association with


Organised by


24-Hour UI/UX Sprint Design-a-thon

Design smart, inclusive product prototypes in Figma to solve real-world problems.

MAY
09-10
2025

Prizes
₹50K
WORTH



Register Now and Submit Your Idea
(Individual Participation Only)

inspira.edu.in/Design-a-thon

Scan to Register



www.inspira.edu.in

Student Endeavours and Notable Accomplishments

Venturecraft- Eureka 2025 Zonal Round Winner



Tanmoy Saha-2023



Ayan Sunwar-2023

Algnite Hackathon 2025 Champions



Bhumi Ghosh-2024



Dristi Sarkar-2024

Active Toastmaster



Sneha Keshri-2024



Joy Kalundia -2025

Student Google Student Ambassador



Prithyarth Pradhan-2024

Alumni iTalk Session

Where Yesterday Inspires Tomorrow





Alumni Insights:

Stories of Success!



Lily Lepcha
Batch: BCA 2017
Senior SPS Associate L3
Amazon

31 March 2025
2:00 p.m. | Seminar Hall 1

JOIN US





BEAUTY KHATOON
(BATCH 2016-2019)
► Country Coordinator at Life Project 4 Youth (LP4Y)

19th SEPTEMBER 2024 | 02:30AM

► Seminar Hall -2, Inspiria Knowledge Campus





MANISH SHARMA
(BATCH 2019-2022)
► Founder & Director of The North East Journal

11th SEPTEMBER 2024 | 11:30AM

► Seminar Hall -2, Inspiria Knowledge Campus

Competency Outcomes

Domain I: Computational Foundations

Outcome 1.1: Software Development Proficiency

Outcome 1.2: System and Database Management

Outcome 1.3: Algorithm and Data Structures Mastery

Domain II: Data Science and Statistical Analysis

Outcome 2.1: Data Engineering and Preprocessing

Outcome 2.2: Inferential and Predictive Analytics

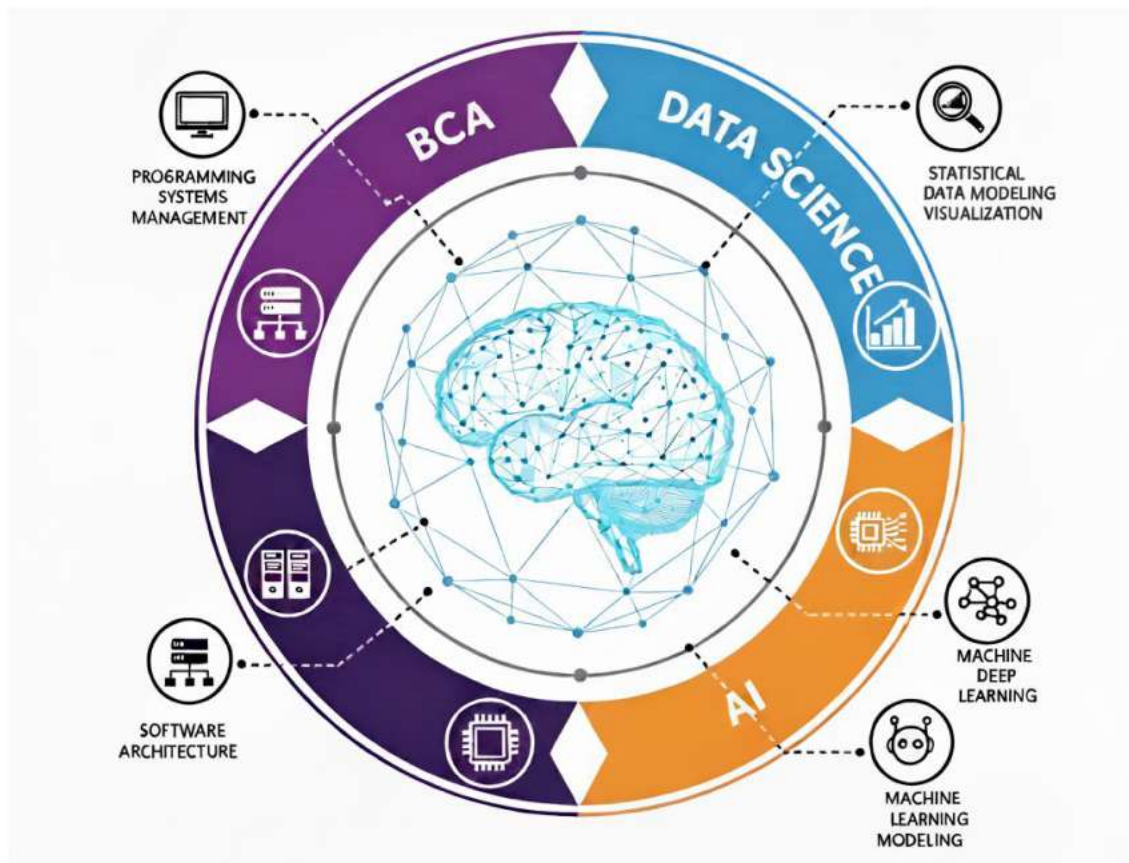
Outcome 2.3: Big Data Fundamentals

Domain III: Artificial Intelligence and Machine Learning

Outcome 3.1: Machine Learning Model Development

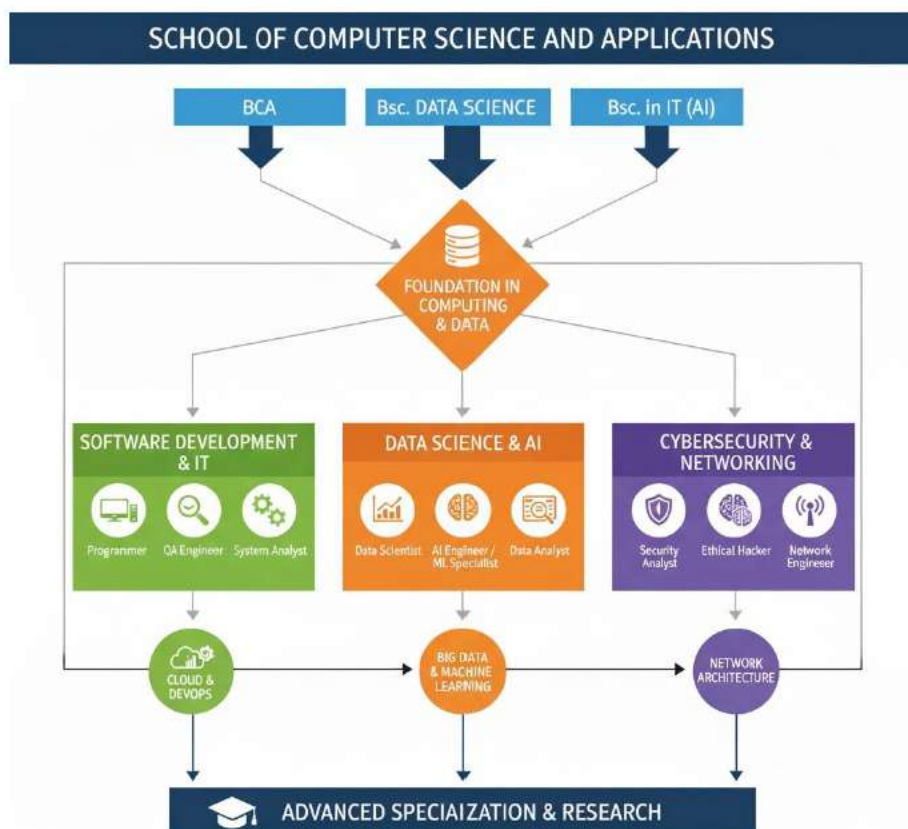
Outcome 3.2: Deep Learning Implementation

Outcome 3.3: Model Deployment and Governance (MLOps)



Structured career routes available to students

Career Stream	Core Roles (Entry-Level)	Primary Skills to Master NOW	Ideal Course Link
Software Dev	Junior Programmer, QA Tester, Dev Trainee	Programming (Python/Java), Web (HTML/JS), SQL	BCA, BSc IT (AI)
Data & Analytics	Data Analyst, BI Trainee, Database Admin	SQL, Statistics, Python (Pandas), Data Viz (Tableau/PowerBI)	BSc Data Science, BCA
Cybersecurity	Security Analyst (Tier 1), Network Trainee	Networking (TCP/IP), Linux, Security Concepts	BCA, BSc IT (AI)
Advanced Tech	Cloud Intern, AI/ML Intern	Cloud (AWS/Azure), Advanced Math/Stats, ML Concepts	BSc IT (AI), BSc Data Science



Placement

Bridging Education and Employment



Placement

Bridging Education and Employment

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Congratulations

Bachelor of Computer Application (2021-2024)



Neha Sharma

Placed at



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Congratulations

Bachelor of Computer Application (2020-2023)



Yuvraj Bhatrikoti



Srinjoy Sen

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Akash Gupta

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Ronit Debnath

Placed at



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Placement

Bridging Education and Employment



Meet the **faculty**

Faculty Perspectives That Turn Theory into Reality



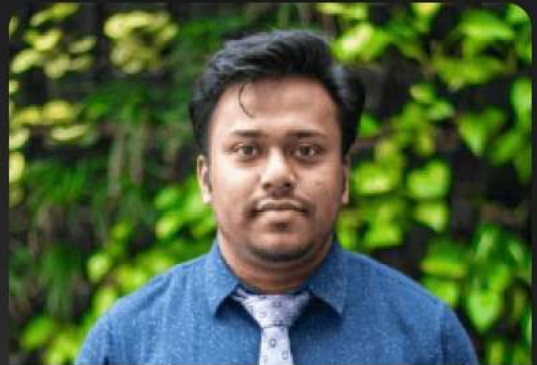
Subhro Sarkar



Neha Thapa



Tanmoy Ghosh



Nandan Das



Pritam Taldhi



Aritra Dey

Lead the Future

Building the Next Generation of Innovators:
Software Developers, Data Scientists, Cybersecurity Professionals,
AI/ML Engineers, Web & App Developers,
Business Intelligence Experts, and AI-driven Product Leaders.



Inspiring future generations!

Learn, innovate, and create solutions that shape the future—because your journey as a tech leader starts here.





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Inspiria Knowledge Campus

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Matigara, Siliguri, West Bengal - 734010

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