



BANGALORE  
SCHOOL OF  
**DESIGN**  
& TECHNOLOGY



**Create. Innovate. Inspire**

**Affiliation & Academic Partnerships**



**BSD CRESTA**

# BANGALORE SCHOOL OF DESIGN & TECHNOLOGY

Bangalore School of Design & Technology (BSDT) is a premier institution in India, dedicated to nurturing creativity and innovation in the design industry. Offering a wide range of programs including Interior Design, Interior Architecture, Graphic Design, Brand Strategy, UI/UX Design, Design Thinking, Furniture Design, Digital Architecture, Product Design, and Media Studies, BSDT serves as a launchpad for aspiring professionals in the creative field.

Operating under the BSD Educational Trust, the school emphasizes the development of meaningful, responsible, and imaginative design practices. Its mission is to foster excellence and provide students with tools to articulate their creativity and vision effectively.

To ensure students receive top-notch education, BSDT has established academic partnerships with leading design institutions. These collaborations enable the school to deliver programs that are intellectually engaging, technically advanced, and taught by experienced professionals. BSDT's curriculum aims to blend theoretical knowledge with hands-on learning, preparing students for competitive roles in the global creative landscape.

Through its commitment to innovation and excellence, BSDT continues to empower students and drive success in diverse creative industries.

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*“Design is not just what it looks like and feels like. Design is how it works.”*

*- Steve Jobs*

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# B.Sc Computer Science

In Affiliation with Bangalore North University | Duration: 3 Years

The B.Sc in Computer Science is a comprehensive three-year program designed to provide students with a strong foundation in core computing principles. This program covers programming, algorithms, data structures, and software development, equipping students with the skills needed to thrive in the ever-evolving world of technology.

Students will gain hands-on experience, develop problem-solving expertise, and build coding proficiency, preparing them for exciting career opportunities in various fields of computer science.

## Specializations Offered:

- Artificial Intelligence (AI) & Machine Learning (ML)
- Cyber Security
- Data Analytics
- Internet of Things (IoT)
- Industrial Internet of Things (IIoT)

**Programming + Algorithms + Data structures + Software development + Problem-solving + Coding + Computer science fundamentals + Three-year duration + Versatile roles + Dynamic field**

## ELIGIBILITY

10+2 from recognized Board / Council with minimum 50% marks.

## SOFTWARE TOOLS

Java | Python | C++, JavaScript | Eclipse | NetBeans | PyCharm | Visual Studio Code MySQL | Oracle | Microsoft SQL Server | Windows | Linux | macOS | HTML | CSS | JavaScript | Bootstrap | R | Python | TensorFlow | Jupyter Notebooks | Microsoft Office | Google Workspace

# Curriculum

## First Semester

Computer Fundamentals and Programming in C |  
C Programming Lab | Mathematics | Foundation Course  
| CC & EA | Indian Language | English

## Second Semester

Data Structures using C | Data structures Lab |  
Mathematics | Foundation Course | CC & EA | Indian  
Language | English

## Third Semester

Object Oriented Programming | Concepts and  
Programming in JAVA | JAVA Lab | Mathematics |  
Foundation Course | CC & EA | Indian Language | English

## Fourth Semester

Database Management | Systems DBMS Lab |  
Mathematics | Foundation Course | CC & EA | Indian  
Language | English

## Fifth Semester

Programming in PYTHON | Computer Networks  
PYTHON | Programming Lab | Computer Networks Lab |  
Mathematics | Foundation Course | CC & EA \*(Cyber  
Security/AI/ML/Data Analytics/IoT/IIoT)

## Sixth Semester

Internet Technologies | Operating System Concepts |  
JAVA Script, HTML, CSS Lab | C# Programming Lab |  
Mathematics | Internship

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### Artificial Intelligence (AI) & Machine Learning (ML)

Introduction To Machine Learning And AI + Programming + Math Foundation +  
Machine Learning And Ensemble Methods + Intro To Neural Network & Deep  
Learning + Parameter & Hyperparameter + Computer Vision + Speech Analytics  
+ Generative Reinforcement Learning + RNN And LSTM + NLP

### Cyber Security

Introduction to Cyber Security & Information Security + Preparatory Session  
Linux Foundation + Fundamentals of Networking + Working with Kali Linux  
2021.1 + Certified Ethical Hacking by EC Council

### Data Analytics

Excel: Basics to Advanced + MySQL + Tableau + Power BI

### Internet of Things (IoT)/ Industrial Internet of Things (IIoT)

Introduction- Concepts And Technologies Behind Internet Of Things (IoT)/  
Industrial Internet of Things (IIoT) + IoT/ IIoT Architecture + IoT/ IIoT Device  
Design + IoT/ IIoT Communication Protocols + Cloud + Designing The IoT / IIoT  
Product + Programming + Hands-On Using Raspberry Pi Board + Use Cases +  
Closer

## How we teach @ BSDT?

At Bangalore School of Design and Technology, we blend hands-on learning with industry-driven curriculam to ensure students gain practical skills and real-world experience. Through workshops, internships, we prepare students for dynamic career in Design and Technology.



# CAREER SERVICES: Your Gateway to Success

At BSDT, our Career Services are designed to propel you toward a thriving professional journey. With personalized career guidance, cutting-edge skill-building programs, and exclusive opportunities, we ensure you're equipped to excel in the competitive world of design and technology.

## Why BSDT Leads in Career Support

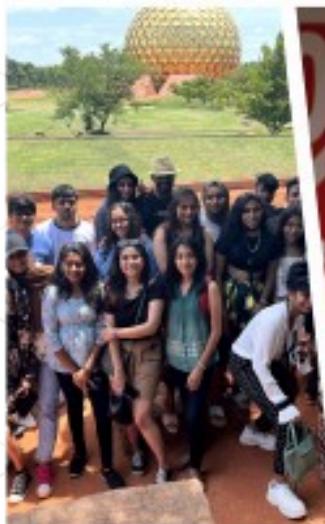
- 500+ Industry Partnerships:** Collaborations with top organizations to provide unparalleled internship and placement opportunities.
- Tailored Career Pathways:** Personalized mentorship and resources to match your unique ambitions and strengths.
- Industry Conclave:** A flagship event that bridges academia and industry, fostering meaningful connections and real-world insights for students and professionals alike.
- Job-Ready Training:** Workshops, mock interviews, and portfolio development sessions to give you a competitive edge.

At BSDT, your success is our mission. We don't just prepare you for the job market; we help you lead it.

\*and many more...

# LIFE @ BSDT



*“Good design is all about making other designers feel like idiots because that idea wasn’t theirs.”*

- Frank Chimero

### Contact Us



BANGALORE  
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& TECHNOLOGY

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