

LEARNING HOW TO APPLY TECHNOLOGY AND MANAGEMENT SKILLS

EThames' BCA Course is in a league of its own. While teaching the very latest Computer Technology, it instills Management skills and leadership qualities, thus moulding the students for the very best jobs in IT & ITES MNCs. The BCA Course focuses on a thorough understanding of the technology and its application in the real world, inspiring students to innovate and excel in their careers.

BCA SPECIALIZATIONS:

- Cyber Security
- AI and Data Science
- Data Analytics



BECOME AN EXPERT IN THREE YEARS!

Industry is looking for expertise in specific areas of technology. They do not hire graduates. They hire specialists in key tech areas like Cyber Security, Data Analytics and AI & Data Science. EThames helps students to gain expertise in specific areas. Students can demonstrate expertise through certifications from top notch universities and companies.

COMPLETE ACCESS TO COURSERA

EThames provides its students with unrestricted access to Coursera, a platform that offers over 5000 professional certificate courses from prominent universities, corporations, and tech giants. The faculty at EThames assists students in selecting the courses that can make them stand out to multinational corporations and pave the way for further studies. Students can also benefit from full academic support while pursuing these courses.

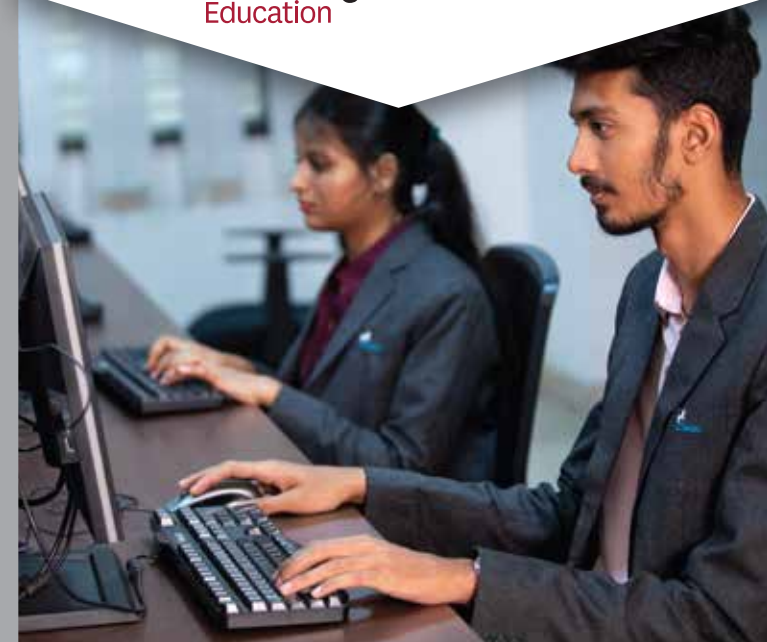
THE HARVARD TOUCH

Harvard Business Publishing Education presents the Harvard ManageMentor program to students as a tool for advancing their career prospects and attaining long-term success.

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COURSE STRUCTURE

I YEAR

Semester I

- Mathematical Foundations of Computer Science
- Digital Principles
- Programming in C
- Introduction to Web Technology
- Effective Communication
- Lab 1: Programming in C Lab
- Lab 2: Web Technology Lab
- Lab 3: IT Workshop

Semester II

- Fundamentals of Probability and Statistics
- Object Oriented Programming using CPP
- Computer Architecture
- Data Structures
- Data Communications
- Lab 1: Oriented Programming using C Lab
- Lab 2: Data Structures Lab
- Lab 3: Communications Skills Lab

II YEAR

Semester III

- Applied Mathematics
- Core Java Programming
- Software Programming
- Operating Systems Concepts
- Database Design
- Lab 1: Core Java Programming Lab
- Lab 2: Software Engineering Lab
- Lab 3: Database Design Lab

Semester IV

- Distributed and Cloud Computing
- Algorithm Design
- Computer Networks
- Data Science using Python
- Artificial Intelligence
- Lab 1: Data Science using Python Lab
- Lab 2: Computer Networks Lab
- Lab 3: Technical Seminar

III YEAR

Semester V

- Parallel Programming
- Big Data Analytics
- Software Quality and Testing
- Environmental Science

Elective I

- Advanced Java Programming/
- Programming using c# and ASP.NET/
- Internet Programming using PHP
- Lab 1: Big Data Analytics Hadoop Lab
- Lab 2: Professional Elective I Lab
- Lab 3: Project Phase I

Semester VI

Elective II

- Machine Learning/
- Internet of Things
- Blockchain

Elective III

- Information Retrieval Systems/
- Distributed Databases/
- Cyber Security

Elective IV

- Human Relation at Work/
- Ethics and Holistic Life
- Gender Sensitization
- Lab 1: Lab Project Phase II



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