THE DOUBLE ADVANTAGE OF **TECHNOLOGY AND MANAGEMENT SKILLS**

EThames BCA Course is in a league of its own. While teaching the very latest Computer Technology, it instils Management skills and leadership qualities, thus moulding the students for the very best jobs in IT & ITES companies. 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 SPECIALISATIONS:

- Data Analytics
- AI and Data Science
- Cyber Security

CAREER OF A LIFETIME IN JUST THREE YEARS

The 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 this through certifications from top-notch universities and companies.

POWERED BY

COMPLETE ACCESS TO COURSERA

EThames provides its students with unrestricted access to Coursera, a platform that offers over 5000 professional certificate courses from eminent 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 programme to students as a tool for advancing their career prospects and attaining long-term success.

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
- Advanced Computer Networks
- Lab 1: Oriented Programming using CPP Lab
- Lab 2: Data Structures Lab
- Lab 3: Communications Skills Lab

II YEAR

Semester III

- Applied Mathematics
- Java Programming
- Environmental Science
- Operating Systems Concepts
- Database Design
- Lab 1: Java Programming Lab
- Lab 2: Operating System Concepts Lab
- Lab 3: Database Design Lab

Semester IV

- Distributed and Cloud Computing
- Network Security
- Software Engineering
- Data Science using Python
- Artificial Intelligence
- Lab 1: Data Science using Python Lab
- Lab 2: Software Engineering Lab
- Lab 3: Computer Networks Lab
  (For Network Security)

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 Sensitisation
- Lab 1: Lab Project Phase II

*Tentative/New syllabus will be updated later

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