

Department of Computer Science & Engineering

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Domain Specific Training

The following are the Industry Oriented Courses identified by the department for students. The identified courses are relevant to produce the intended practical skills to support career paths of the students.

Sl.No.	Domain	Roles/ Designation	Potential Recruiters
1	Software Development	Java Full Stack Developer	Accenture, HCL Technologies, Wipro, TCS, Infosys, IBM, Capgemini, tech Mahindra, cognizant technology solutions
2	Web Design	Front End Developer / Web developer	Accenture, HCL Technologies, Wipro, TCS, Infosys, IBM, Capgemini, Tech Mahindra, Cognizant technology solutions
3	Testing	Software Test Engineer	Accenture, HCL Technologies, Wipro, TCS, Infosys, IBM, Capgemini, Tech Mahindra, Cognizant technology solutions
4	Networking	Network Engineer / Network Administrator	CISCO Systems, Datagami technologies Pvt Ltd, Wipro, TCS, Infosys
5	Data Science	Data Scientist Data Analyst	Fractal Analytics, Amazon, Deloitte, LinkedIn, Flipkart, IBM, Facebook, Google
6	Cyber Security	Cyber Security Analyst Security Architect Cyber Security Manager	3P&T Security Recruiting, Alta Associates, Caliber Security Partners, Cyber Exec, Cyber 360 Inc.

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I. Domain: Software Development - Java Full Stack Developer

A developer is responsible for several Java-related duties throughout the software development lifecycle, from concept and design to testing. The developer is required to create user information solutions through the development, implementation, and maintenance of Java-based components and interfaces.

Sl No.	Semester	Training Mode	Training Institute /Platform	Title Course	Duration	Acquire Skills
1	IV	Offline	In-House/ Industry Trainers	Core JAVA	40 Hrs	Logical Thinking
2	V	Offline	In-House/ Industry Trainers	Advanced JAVA and JDBC	40 Hrs	Programming
3	VI	Offline	In-House/ Industry Trainers	Database-MySQL	40 Hrs	Data Management
4	VII	Offline	In-House/ Industry Trainers	JAVA Framework- Hibernate, Basics of HTML, CSS	40 Hrs	Design Thinking/ Programming

Top Companies or Recruiters of Software Developers



accenture



tcs TATA
CONSULTANCY
SERVICES



HCL
HCL TECHNOLOGIES



Infosys



IBM



Capgemini



Cognizant



leidos

II. Domain: Web Design

Web Designers are responsible for designing and building the interface, navigation and aesthetic of websites for businesses and clients and create websites. Integrate data from various back-end services and databases.

Sl No.	Semester	Training Mode	Training Institute /Platform	Title Course	Duration	Acquire Skills
1	IV	Offline	Industry Trainers	Basics of HTML, CSS	40 Hrs	Design Thinking/ Programming
2	V	Offline	Industry Trainers	Java Script	40 Hrs	Programming
3	VI	Offline	Industry Trainers	Bootstrap, JSON	40 Hrs	Design Thinking/ Programming
4	VII	Offline	Industry Trainers	Angular JS, Node JS	40 Hrs	Programming

Top Companies or Recruiters of Software Developers



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III. Domain: Testing

Test engineers are responsible for designing and implementing the tests that ensure the quality and the functionality of a product.

Sl No.	Semester	Training Mode	Training Institute /Platform	Title Course	Duration	Acquire Skills
1	IV	Offline	Industry Trainers	Basics of software Testing - Test case writing & bug reporting	40 Hrs	Testing ability/ Programming
2	V	Offline	Industry Trainers	Test management tools - API Testing, Unit testing, GUI testing	40 Hrs	Testing ability/ Programming
3	VI	Offline	Industry Trainers	Automation Test tools-Katalon, Selenium, Lambda Test	40 Hrs	Testing ability/ Programming
4	VII	Offline	Industry Trainers	Automation Test tools-Ranorex, Appium, Kobiton	40 Hrs	Testing ability/ Programming

Top Companies or Recruiters of Software Testers



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IV. Domain: Networking

Responsible for designing, Maintaining, Implementing, and support of a company's network Cisco networking skills play a huge part in this job role.

Sl No.	Semester	Training Mode	Training Institute /Platform	Title Course	Duration	Acquire Skills
1	IV	Offline	In-house Trainers	Computer Networking Basics- Network Essentials	40Hrs	Network Design/ Programming
2	V	Offline	In-house Trainers	CISCO-CCNA module-1	50 Hrs	Network Design/ Programming
3	VI	Offline	In-house Trainers	CISCO-CCNA module-2	60 Hrs	Network Design/ Programming
4	VII	Offline	In-house Trainers	CISCO-CCNA module-3	60 Hrs	Network Design/ Programming

Top Companies or Recruiters of Network Engineers



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V. Domain: Data Science – Data Analyst

The role of a data analyst who has the knowledge and skills to turn raw data into information and insight, which can be used to make business decisions.

Sl No.	Semester	Training Mode	Training Institute /Platform	Title Course	Duration	Acquire Skills
1	IV	Offline	Industry Trainers	Introduction to Data Analytics	40 Hrs	Data Management/ Programming
2	V	Offline	Industry Trainers	Business Analytics	40 Hrs	Data Management/ Programming
3	VI	Offline	Industry Trainers	Programming Basics and Data Analytics with Python -1	40 Hrs	Data Management/ Programming
4	VII	Offline	Industry Trainers	Programming Basics and Data Analytics with Python - 2	40 Hrs	Data Management/ Programming

Top Companies or Recruiters of Software Data Analyst



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V. Domain: Data Science – Data Scientist

Data scientists work closely with business stakeholders to understand their goals and determine how data can be used to achieve those goals. They design data modeling processes, create algorithms and predictive models to extract the data the business needs, and help analyze the data and share insights with peers.

Sl No.	Semester	Training Mode	Training Institute /Platform	Title Course	Duration	Acquire Skills
1	IV	Offline	Industry Trainers	Computational methods for big data	40 Hrs	Data Management/ Programming
2	V	Offline	Industry Trainers	Visualizing data using various methods	40 Hrs	Data Management/ Programming
3	VI	Offline	Industry Trainers	Analytic techniques (machine learning, network analysis, natural language processing, experiments and causal inference)	40 Hrs	Data Management/ Programming
4	VII	Offline	Industry Trainers	Data science applications in context (search and recommender systems, social media analytics, learning analytics)	40 Hrs	Data Management/ Programming

Top Companies or Recruiters of Software Data Scientist



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VI. Domain: Cyber Security

As a cyber-security analyst, you will protect IT infrastructure (including networks, hardware and software) from a range of criminal activity. You will monitor networks and systems, detect security threats ('events'), analyse and assess alarms, and report on threats, intrusion attempts and false alarms, either resolving them or escalating them, depending on the severity.

Sl No.	Semester	Training Mode	Training Institute /Platform	Title Course	Duration	Acquire Skills
1	IV	Offline	Industry Trainers	Module-1 :Cybersecurity fundamentals (Beginners)	40 Hrs	Security Management/ Programming
2	V	Offline	Industry Trainers	Module-2 : Threat actors attacks, Mitigation, Security policies amp procedures (Intermediate)	40 Hrs	Security Management/ Programming
3	VI	Offline	Industry Trainers	Module-3 : Secure architecture, Wireless networks, Network security controls, BYOD security testing, IS governance (Intermediate)	40 Hrs	Security Management/ Programming
4	VII	Offline	Industry Trainers	Module-4 : Risk management, Incident management, Business continuity, Disaster recovery (Advanced)	40 Hrs	Security Management/ Programming

Top Companies or Recruiters of Software Data Scientist

