EDUFYI TECH SOLUTIONS

CYBER SECURITY

PROGRAM TYPE

PROFESSIONAL

Our Alumini work at

Microsoft | Capgemini | Deloitte. | IBM | Adobe | EY Building a better working world | BOSCH

WHO ARE WE?

At **Edufyi Tech Solutions**, we are dedicated to transforming the educational journey for college students by offering cutting-edge virtual internships and comprehensive training programs. Our approach combines industry mentorship with practical experience, providing each student with six real-time and capstone projects per course or domain. These projects are designed to equip students with the skills and experience needed to secure their dream jobs upon graduation

WHY CHOOSE US?

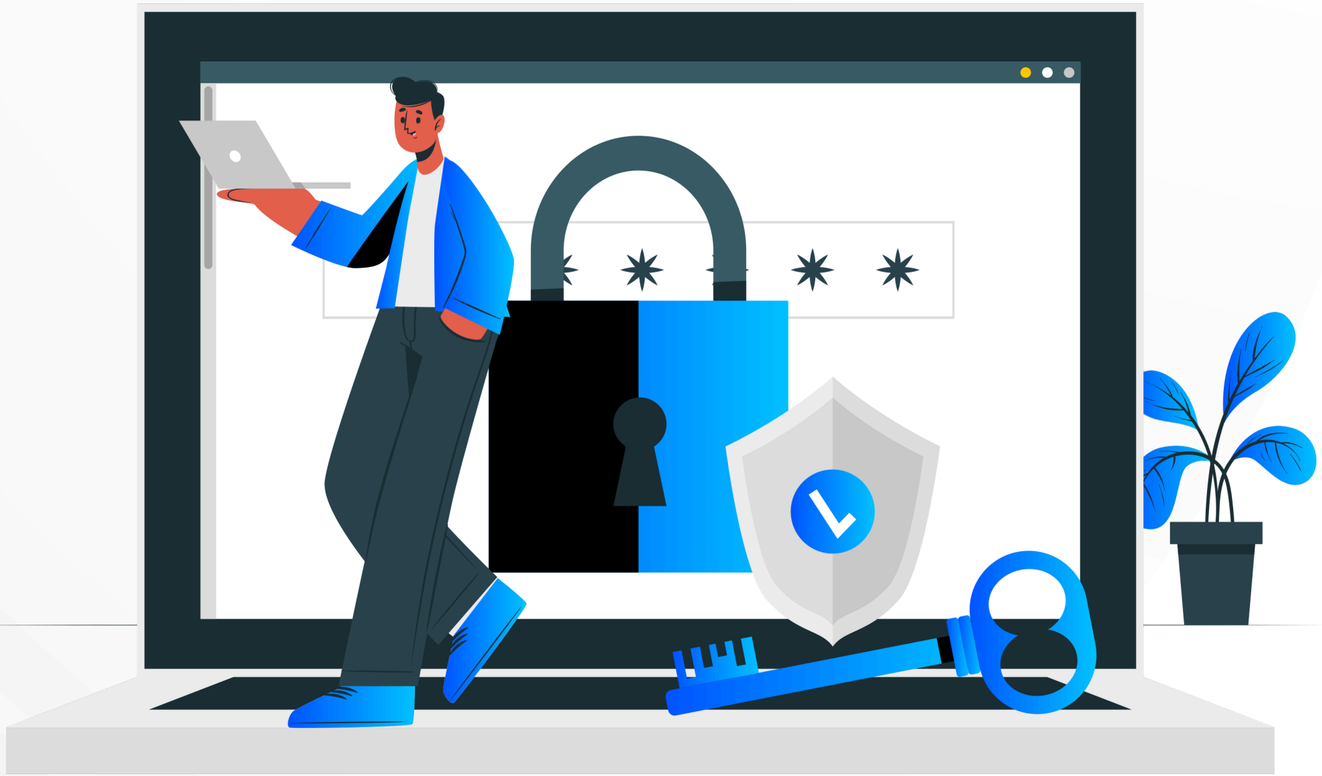
Our unique features are:

- Choose your Speed, Master the Skills
- Industry Project Playground
- Resume Building & Aptitude Grooming
- Learn from Industry Mentors from MNCs & Startup Founders
- 100% Placement Assistance
- Exclusive R&D learning content from leading MNCs
- Unlimited Mocks & GDs
- 24*7 Dedicated Support
- Wipro Dice ID Accredited Globally Recognized Certifications
- Get your Internship with 150+ Companies
- 1:1 Counselling Sessions
- Additonal Certifications from Microsoft, Cisco, IBM, Adobe, etc
- Certified Bootcamps & Webinars
- Lifetime Personalized Learning Management System (LMS)
- Access recorded lectures Anytime, Anywhere!!
- Skill Up & Cash In with Performance Based Stipend
- Mentorship by industry experts via live sessions
- Access to our Hiring Partners

WHAT IS CYBER SECURITY?

Cyber Security is the practice of protecting systems, networks, and programs from digital attacks. These cyberattacks are usually aimed at accessing, changing, or destroying sensitive information; extorting money from users via ransomware; or interrupting normal business processes.

Implementing effective cybersecurity measures is particularly challenging today because there are more devices than people, and attackers are becoming more innovative.



SCOPE OF CYBER SECURITY

The global Cyber Security services market size is expected to reach USD 192.70 billion by 2028, registering a CAGR of 10.2% over the forecast period.

Cyber Security has a wide range of applications in:

1. Critical Infrastructure Society
2. Network Security
3. Application Security
4. Information Security
5. Cloud Security
6. Data Protection, etc

CAREER OPPORTUNITIES

- Network Security Engineer
- Cyber Security Analyst
- Chief Security Manager
- Chief Information Security Officer
- Information Security Analyst
- Ethical Hacker
- SailPoint

HOW CAN YOU START YOUR JOURNEY IN CYBER SECURITY?

Enrol in our specialised program, learn from industry experts, get guaranteed internships, job opportunities and work on 6+ Advance Industry based projects. Our Specialised Program in Cyber Security is designed to equip you with the skills required to become an expert in the rapidly growing field of Cyber Security. This specialisation aims to help you stay abreast of all the latest cyber security trends. Explore the world of ethical hacking, installation of Windows & Linux, cracking passwords, hiding data, cloud computing, and building systems that conquer cyber attacks, to prevent destroying, altering, or even accessing confidential data for malicious purposes.

SPECIALISED PROGRAM CURRICULUM

INDUSTRIAL TRAINING

Session 1

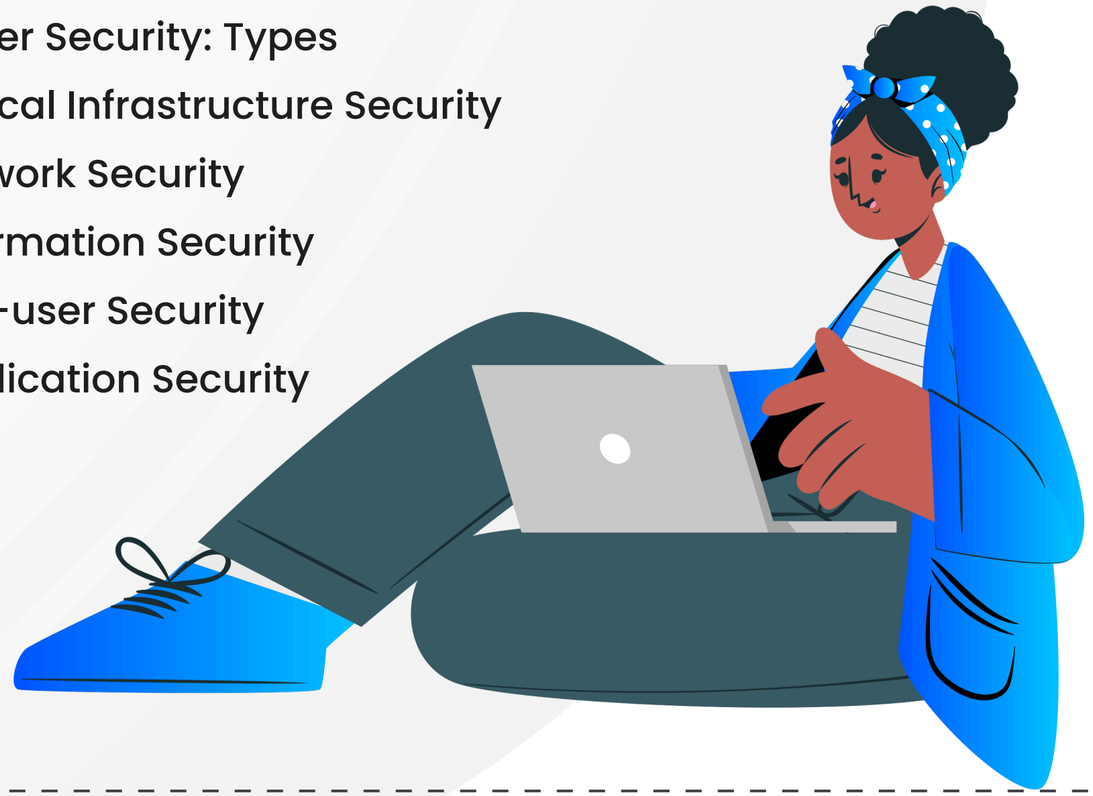
- All About Cyber Security
- What is Cyber Security
- Emerging scope of Cyber Security
- Challenges faced in Implementation of Cyber Security
- Case Study: Application of Cyber Security in Politics
- What are Ransomware Attacks
- Opportunities in Cyber Security
- Forms of Cyber Security Global
- Cyber Attack Analysis
- Fundamentals of Cyber Security
- Terminologies in Cyber Security
- Relevance of CIA in Cyber Security

Session 2

- Understanding Pillars of Cyber Security
- What is Confidentiality
- Case Study of Coca Cola and Hospitals
- Types of threats to Confidentiality
  1. Hackers
  2. Masqueraders
  3. Unauthorized Users
  4. Unprotected Downloads
  5. Malware
- What is Integrity
- Understanding the relevance of Availibilty
- Threats to Availibility
- DoS and DDoS
- What is Non-Repudiation
- Importance of Accountability
- What is AAA and it's Relevance

Session 3

- Cyber Security Domains
- Identity and Access Management(IAM)
- What is Single SignOn
- Security Information and Event Management(SIEM)
- Threat and Vulnerability Management(TVM)
- Tools used in the Domains
- What is Penetration Testing
- Cyber Security: Types
- Critical Infrastructure Security
- Network Security
- Information Security
- End-user Security
- Application Security



Session 4

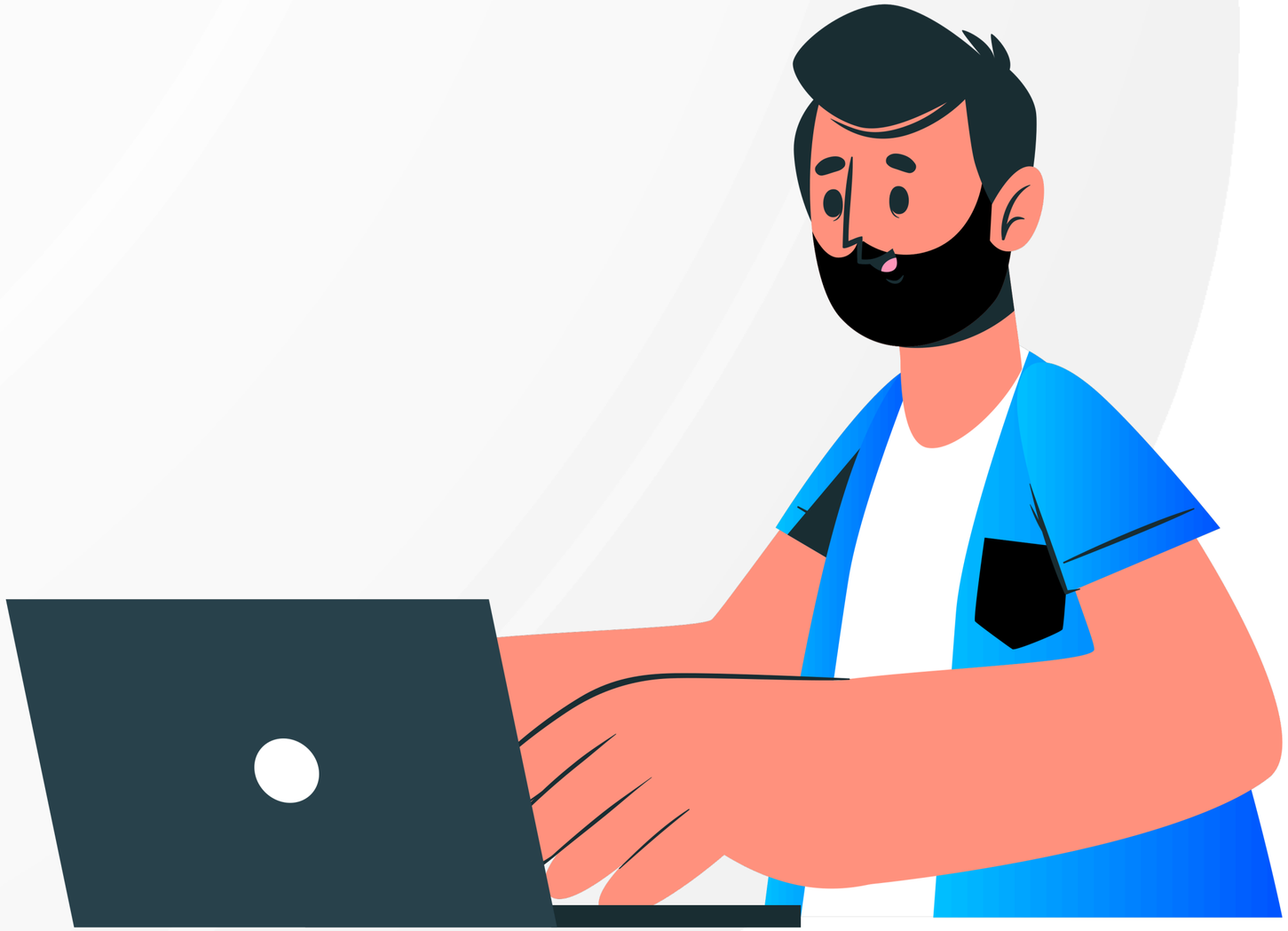
- AntiVirus Fundamentals
- What is a Virus
- Worms
- Spyware
- Trojans
- Adware
- Key Loggers
- Understanding the casestudy of Pegasus Spyware
- Relevance and Features of AntiVirus Softwares
- Fundamentals of AntiVirus
- Cyber Security Threats

Session 5

- Ethical Hacking
- What is Ethical Hacking
- Goals of Ethical Hacking
- Types of Hacking
- Why do we need Ethical Hacking
- Threats to Ethical Hacking
- Physical and Non Physical Threats
- Sources of Vulnerabilities
- Vulnerability Management
- Logical Threats
- Preventive Measures

Session 6

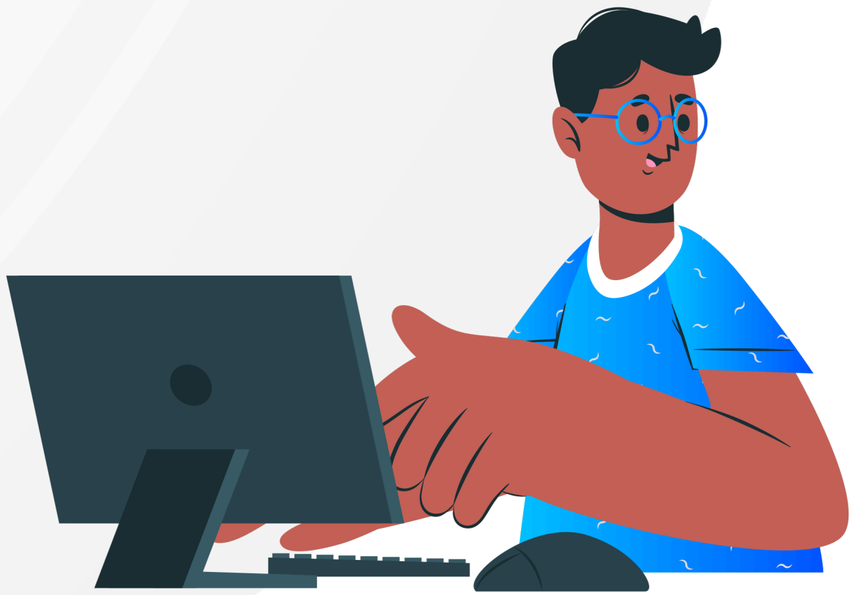
- Phases of Ethical Hacking
- Reconnaissance
- Grouping on Information
- Types of Footprinting
- What is Scanning
- Port Scanning
- Vulnerability Scanning
- Network Mapping
- Vulnerability Identification Tools
- What is Operating System Fingerprinting
- Gaining Access
- Maintaining Access
- Covering Tracks Hacking and Defenses



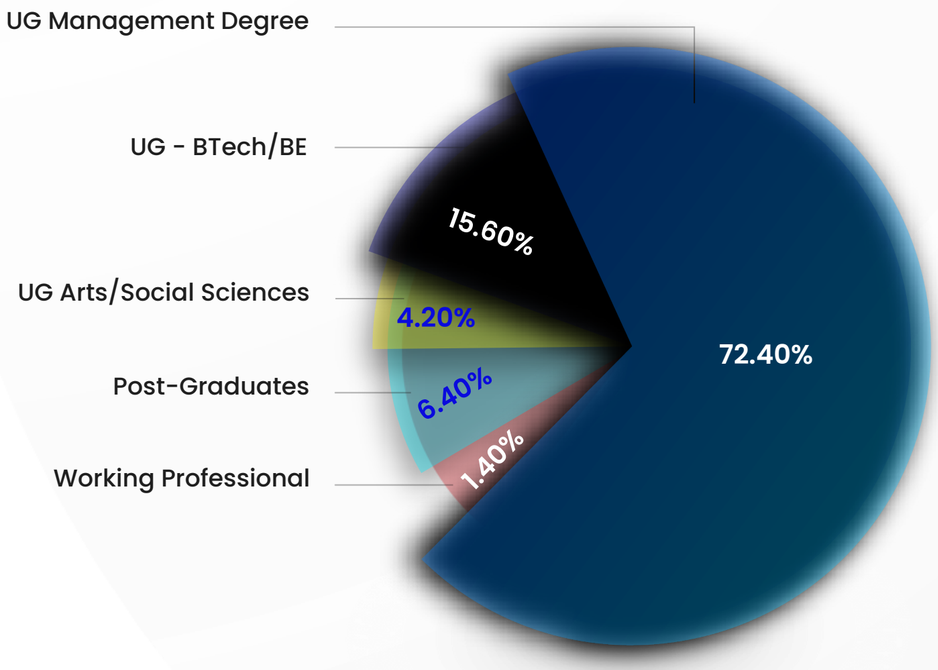
QUIZ

INTERNSHIP

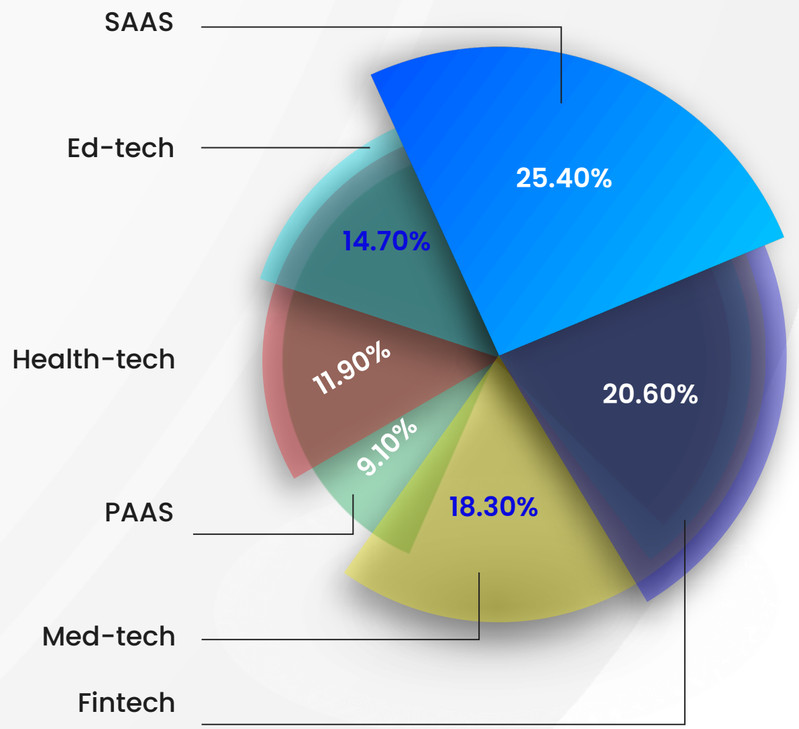
- Project 1
- Project 2
- Project 3
- Project 4
- Project 5
- Project 6



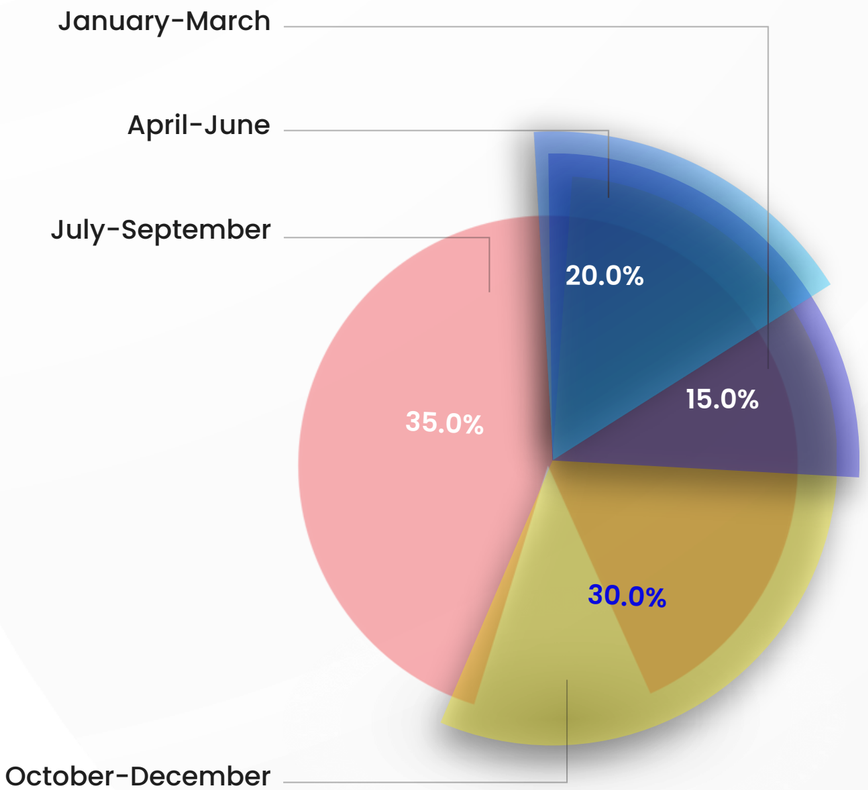
LEARNER'S BACKGROUND



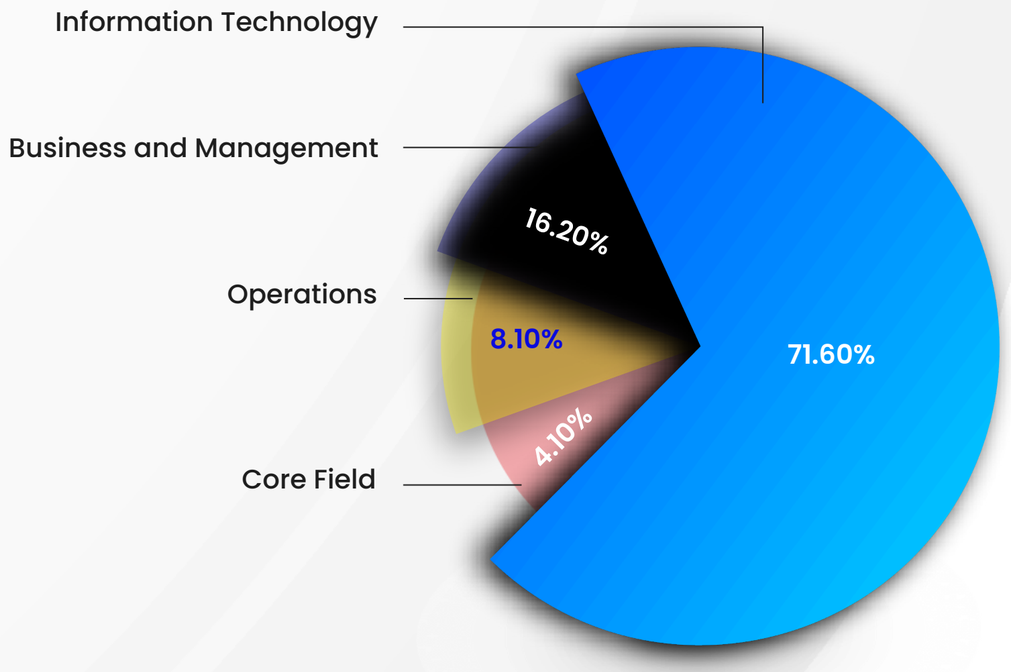
PLACEMENTS RATIO OFFERED AS PER INDUSTRY



QUATERLY PLACEMENT ANALYSIS REPORT

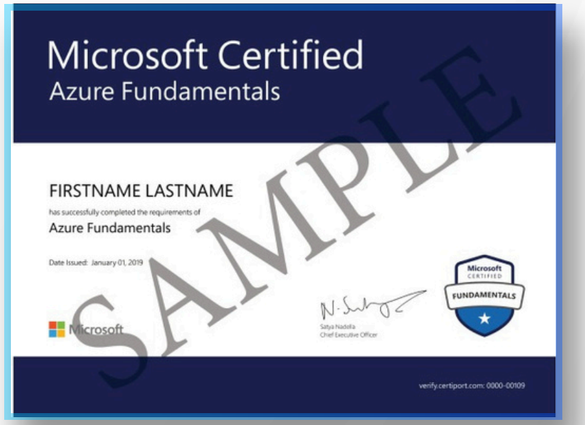


OFFERED PROFILES & FIELDS VIA EDUFYI



WIPRO DICE ID ACCREDITED CERTIFICATIONS

PROFESSIONAL MNC CERTIFICATIONS



OUR AUTHORISED CERTIFICATION PARTNERS

ADOBE

MICROSOFT

QUICKBOOKS

AUTODESK

CISCO

ESB

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