INFORMATION TECHNOLOGY

Information Technology (IT) encompasses the adept manipulation of information for diverse applications, where data is computationally processed. This involves various facets such as data storage, communication, exchange, manipulation, processing, and control. IT professionals are skilled in the development, implementation, support, and management of both hardware and software components, including CPUs, RAM, operating systems, web browsers, and mobile applications.

The application of IT, particularly in mobile-based computing platforms, has significantly transformed human existence over the past three decades. It entails the deployment and upkeep of business applications, services, and infrastructure, including servers, networks, and storage systems. Additionally, IT services encompass monitoring, optimization, and troubleshooting to ensure optimal performance across all computing components.

The proliferation of smartphones and laptops, facilitated by wireless communication systems, underscores the critical importance of security and governance in IT applications, services, and computing infrastructure. As such, IT professionals play a crucial role in ensuring the robustness and integrity of these systems in the face of evolving technological landscapes and potential security threats.

B.Tech: Information Technology Curriculam

RAAK College of Engineering & Technology offers a four-year Information Technology degree program, aligned with the Pondicherry University syllabus.

The Curriculam foucs areas are :

- ☑ Data Structures and Algorithms
- ☑ Web Technology
- ☑ Mobile Computing
- ☑ Data Structures
- ☑ Software Engineering
- ☑ Cyber Security
- ☑ AI & ML
- ☑ Compiler Design
- ☑ Information Coding Techniques

Career Pathways

- ◎ Software Developer
- ◎ Web Developer
- ◎ Database Administrator
- ◎ Computer Network Architect
- ◎ Project Manager
- ◎ Business Analyst
- ◎ Computer Hardware Engineer
- ◎ Content Developer
- ◎ Data Scientist
- ◎ Computer Science Blogger
- ◎ Computer Technician
- ◎ Digital Marketer
- ◎ Entrepreneurship
- ◎ Video Game Developer
- ◎ Information Security
- ◎ IT Consultant

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B.TECH : INFORMATION TECHNOLOGY

- DATA BASE
- INTERNET
- HARDWARE
- SERVERS
- SOFTWARE
- NETWORK
- COMMUNI-CATION
- APPLI-CATIONS
- SECURITY

Present	Future	Consilience	Convergence
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