

The Apollo University's B.Tech. CSE in Cloud Computing: Bridging the Gap Between Academia and Corporate Needs

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In a bid to keep up with the fast pace of digital transformation in all industries, **The Apollo University** is offering a Bachelor of Technology (B.Tech.) course in Computer Science Engineering (CSE) with a specialisation in Cloud Computing. This pioneering programme is meticulously crafted to fill the gap between what the corporate world seeks and what is being taught at universities, thus equipping students to become successful professionals in this quickly emerging field of cloud technologies.



Industry-aligned B.Tech in CSE Cloud Computing for future tech leaders

As organisations all over the world are shifting to cloud-based solutions to enhance their scalability, efficiency and security, the demand for professionals with proven skills in cloud computing is surging upward. Analysing this trend, The Apollo University offers its B.Tech. CSE programme that integrates the aspects of computer science with cloud computing-specific knowledge. The programme focuses on pedagogical learning, which means that students not only study theory but also gain practical experience for real-world use of cloud technologies.

Programme Overview

The four-year B.Tech. in Computer Science and Engineering with a specialisation in Cloud Computing combines intensive training in computer science and cloud computing technologies. The balance between classroom learning and experiential practice allows students to have the opportunity to practice this knowledge in different professional settings.

Students will explore a variety of subjects, including cloud

infrastructure, virtualisation, DevOps, cybersecurity, and cloud environment data management. The programme is also focused on the emergence of such new technologies as Big Data, Artificial Intelligence (AI) and Internet of Things (IoT) and is oriented towards the up-to-date tendencies of modern industry.

Programme Highlights

- **Industry-Aligned Curriculum:** The curriculum centres on commonly used cloud platforms such as the Google Cloud, Amazon Web Services (AWS), and Microsoft Azure to provide students with practical learning of concepts applicable to modern professional life.
- **Hands-on Training:** In high-tech labs, projects, and internships, students engage in hands-on development of novel knowledge and apply classroom theory to live cloud environments.
- **Focus on Emerging Technologies:** The curriculum includes modules on subjects like AI and IoT, and students will learn how to further evolve the future of cloud computing.
- **Industry Collaborations:** The Apollo University, in collaboration with key industry players like Microsoft, Google and NASSCOM, offers supplementary certification courses, training seminars, and job placement support services for the financial advantage of the students.
- **Capstone Projects and Hackathons:** Students get to engage in capstone projects/hackathons that promote innovation, problem solving and teamwork, while also being introduced to various employers within their field.
- **Career Readiness Programmes:** The university provides assistance with the creation of resumes, technical interviews and soft skills training, enabling graduates

to chase their dreams.

Industry Integration

The B.Tech. in Cloud Computing programme at The Apollo University is characterised by industry integration. Internships, practical assignments on real projects and mentorship from technology leaders support students in exploring practical applications of cloud computing. Moreover, the programme brings industry experts for workshops, seminars and guest lectures, where students learn how to apply their acquired knowledge and think outside the box.

By conducting capstone projects and hackathons, the university engages students in practical experience of using cloud computing expertise and contributes to the development of creative thinking skills. In these projects, students obtain valuable skills, such as problem-solving, teamwork and creativity, which are highly valuable for excelling in tech-oriented careers.

Career Prospects and Opportunities

Graduates of the B.Tech in Cloud Computing programme will be well-positioned to pursue a variety of career paths in the rapidly evolving tech industry. Potential areas of employment include:

- Cloud Solution Architecture
- Cloud Infrastructure Management
- DevOps Engineering
- Cloud Security & Compliance
- Big Data & Analytics
- Software Development & Deployment

- AI/ML on Cloud Platforms
- IoT and Edge Computing
- IT Consulting & System Integration
- Technical Support & Cloud Operations

Driven by increasing demand for global cloud technology, the need for experts in this area continues to rise, providing a wealth of jobs to graduates across a range of sectors, including technology firms, startups, financial institutions, healthcare organisations, and government agencies.

About The Apollo University

Instituted in Chittoor, Andhra Pradesh, The Apollo University, a private university, is committed to providing quality education across various disciplines. Established under the Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016, the university aims to create a diverse and cohesive learning environment, encouraging innovation, hands-on experience, and industry collaboration.

With collaboration with world-class international universities like Johns Hopkins University and Harvard University, Newcastle University, Kalvium, Brigham and Women's Hospital, NASSCOM, Monash University, RWTH, UNSW, ESIGELCE, etc., The Apollo University students have access to global knowledge and best practices. By educating students through interdisciplinary learning in fields like engineering, management, pharmaceutical sciences and health sciences, the university equips them to be masters of their professions and contribute positively to society.

The Apollo University's B.Tech in Cloud Computing programme is a great stride towards equipping students with the new skills and knowledge necessary to thrive in the digital age. By amalgamating a strong curriculum with hands-on experience and

industry exposure, the university aims to produce graduates who can face challenges and take advantage of the opportunities in the contemporary techscape.

To know more, please visit: apollouniversity.edu.in/course/b-tech-cse-cloud-computing.

