B.Sc. Computer Science with Cloud Computing

1. What is the eligibility criteria? (Minimum 100 words)

- Students must have successfully completed their Higher Secondary or Class XII examination from a recognized board with a minimum of 60% marks.

- Students should have studied Mathematics as one of the subjects.

2. What is the duration of the program? (Minimum 40 words)

The B.Sc. CS with Cloud Computing programme is a three-year undergraduate degree divided into six semesters. Each semester blends theoretical foundations with practical applications, ensuring students gain hands-on training in computer science fundamentals, cloud architecture, virtualization, and real-time deployment projects.

3. What subjects will be covered in the curriculum? (Minimum 100 words)

The curriculum covers core computer science subjects such as Python Programming, Introduction to Cloud Computing, Data Structures and Algorithm, Cloud Computing Architecture and Services, Big Data Analytics, Cloud Security and Compliance, Geospatial and Cloud Computing, Advanced Cloud Computing and DevOps, Cloud Networking and Storage systems, Cloud Resource Management and Cost Optimization.

4. Are electives available in this program? (Minimum 40 words)

Yes, electives are available in the B.Sc (CS with Cloud Computing) programme. In the 5th and 6th semesters, students can choose Discipline Specific Elective (DSE) papers according to their interests and career goals. Students are offered three elective choices in each semester, allowing them to specialise in preferred areas.

5. Is there an entrance exam for this course? (Minimum 60 words)

No, there is no entrance examination for admission to the B.Sc. CS with Cloud Computing programme. Admission is based entirely on the marks obtained by students in their Class XII qualifying examination. Eligible candidates are selected according to the admission guidelines and merit criteria prescribed by the institution. This ensures a transparent and fair admission process for all applicants without the need for any additional entrance test.

6. Does the program include internships? (Minimum 120 words)

Yes, the B.Sc. Computer Science with Cloud Computing programme includes internships as an integral part of the curriculum, providing students with valuable industry exposure and practical experience. Eligible students are given opportunities to attend interviews conducted by partnering companies and organizations. Based on their performance and the requirements of the organization, students may be offered paid or unpaid internship positions.

7. What career opportunities are available after completing this program? (Minimum 100 words)

Graduates of B.Sc. CS with Cloud Computing have diverse career opportunities in technology and business sectors. Opportunities exist in IT services, product-based companies, startups, research labs, and multinational corporations. The programme's strong practical focus ensures graduates are competitive in high-demand technology roles.

8. Do you provide placement support for this program? (Minimum 100 words)

Yes, structured placement support is provided through an active Placement Cell. The campus organizes campus recruitment drives, career counselling, resume workshops, mock interviews, and aptitude training. Students are placed in both service-based and product-based companies. Placement support ensures students develop employability skills and transition smoothly into professional careers. The institution's industry collaborations and certification programmes further strengthen placement opportunities, enabling graduates to secure roles in cloud engineering, and system administration.

9. Do the course focus more on theory or hands-on lab practical? (Minimum 60 words)

The programme emphasizes 80% hands-on learning. Students engage in coding, virtualization, and real-time deployment projects. Weekly system design challenges and hackathons ensure continuous practice; therefore a laptop is mandatory. While theoretical foundations in computer science and cloud architecture are taught, the curriculum prioritizes applied learning through projects, and industry certifications.

10. Is attendance mandatory? (Minimum 70 words)

Yes, attendance is mandatory for all students enrolled in the B.Sc CS with Cloud Computing programme. As per the academic regulations of the institution, students must maintain a minimum of 75% attendance in each semester in order to be eligible to appear for the semester-end examinations, internships and placements. Regular attendance is essential to ensure effective learning, participation in classroom activities and continuous academic progress. Students who fail to meet the required attendance percentage may not be permitted to take the examinations, internships and placements.

11. Do we need to do project in this course? (Minimum 100 words)

Yes, projects are mandatory. Students undertake capstone projects in the final year, focusing on real-world applications of cloud computing. Students are encouraged to contribute to open-source projects and real-time deployment challenges. In addition to the final project, students are continuously trained through a series of mini projects across various semesters to strengthen hands-on skills and reinforce continuous learning.

12. Are industry visits or workshops conducted? (Minimum 80 words)

Yes, industry visits and workshops are regularly conducted. Workshops are organized regularly to enhance practical knowledge and technical skills. Industry expert seminars bridge academic learning with current technology trends, ensuring students stay updated with evolving practices in cloud computing.

13. What learning resources are available (lab, library, Wi-Fi, etc.)? (Minimum 120 words)

Students have access to cloud platforms, coding environments, and virtualization software. A well-stocked library offers textbooks, journals, e-resources, and online databases. High-speed Wi-Fi is available across campus, enabling digital learning and project collaboration. Smart classrooms with audio-visual facilities support interactive teaching. Students also access online learning platforms, open-source repositories, and certification portals. These resources ensure a technology-enabled environment for holistic learning.

14. What is the grading or evaluation system? (Minimum 100 words)

The B.Sc CS with Cloud Computing programme follows the Choice Based Credit System (CBCS) pattern of evaluation. Internal assessment includes two Continuous Assessment Examinations conducted during the semester. In addition to these tests, students are evaluated through seminars, assignments, presentations, Quiz, Role play and class participation. The external semester-end examination is conducted as per university norms. This balanced evaluation system ensures that students are assessed not only on their final exam performance but also on their regular academic involvement, understanding of concepts, and practical application throughout the semester.

15. Are there any extracurricular activities offered? (Minimum 90 words)

Yes, a wide range of extracurricular activities are offered to students of the B.Sc. Computer Science with Cloud Computing programme. The institution actively encourages participation in activities that foster creativity, leadership, teamwork, and professional development. Students can engage in hackathons, coding competitions, paper presentations, academic summits,

and departmental symposiums, which provide platforms to showcase technical expertise and innovative ideas. In addition, various cultural programmes, management fests, quizzes, debates, and intercollegiate competitions are conducted regularly. Sports and physical activities, including indoor and outdoor games, are strongly promoted to support physical fitness and team spirit. Community service initiatives and student clubs further nurture social responsibility. These diverse extracurricular opportunities help students develop confidence, communication skills, and real-world exposure beyond the classroom, ensuring holistic personality development.

16. Are doubt-clearing or mentoring sessions provided? (Minimum 90 words)

Yes, regular doubt-clearing and mentoring sessions are provided for students of the B.Sc. Computer Science with Cloud Computing programme. Faculty members and Gen Z minded mentors offer continuous academic and technical support, including after-hours guidance when required. In addition to in-person sessions, online support classes are conducted for students who need extra assistance or flexible learning options. Rooted in strong academic expertise and driven by Gen Z thinking, the mentoring system ensures clear understanding, confidence building, and continuous academic and career guidance throughout the course. Our Mentors exchange ideas openly, and create an engaging, collaborative learning environment. This approach builds confidence, clarity, and trust, ensuring students receive holistic academic and professional support throughout their learning journey.

17. What is the maximum intake for this program? (Minimum 40 words)

The maximum intake for the B.Sc CS with Cloud Computing programme is limited to 50 students. This limited intake ensures better academic focus, individual attention and effective mentoring. A smaller class size also enables

quality teaching, improved interaction and personalized guidance for students throughout the course.

18. What skills will I gain by the end of this program? (Minimum 150 words)

By the end of the programme, students gain strong coding and cloud computing, They develop expertise in Python, Java, and C++, along with cloud architecture, virtualization, and networking. Practical training in enhances technical competence. Students build industry-ready portfolios featuring cloud-native applications, and scalable web systems. Soft skills such as communication, teamwork, and problem-solving are strengthened through hackathons, projects, and seminars. Global certifications ensure graduates are competitive in international job markets.

19. Is Laptop mandatory for this course?

Yes, a laptop is mandatory for the B.Sc. Computer Science with Cloud Computing programme. As nearly 80% of the course hours are dedicated to hands-on learning, students are required to use their laptops for coding practice, AI and machine learning experiments, data modelling, project development, and real-time problem solving. Having a personal laptop ensures continuous practice, effective participation in hackathons, mini projects, and online learning activities, thereby supporting deeper skill development and industry-ready training. Having a personal laptop ensures students can efficiently complete assignments, participate in collaborative projects, and build their industry-ready portfolios. It is an essential tool for success in this programme.

20. What is the shift timing of this course?

The B.Sc. CS with Cloud Computing programme is conducted in Shift II. Regular class timings are from 1:00 P.m. to 5:30 p.m. on all working days, as per the institution's academic timetable. This schedule ensures that students have dedicated morning hours for lectures, hackathons, and collaborative projects. The structured timing also allows flexibility for students to participate in afternoon workshops, industry seminars, and extracurricular activities, thereby balancing academic learning with practical exposure and skill development.