

Gumla Polytechnic College, Gumla

Gumla Polytechnic college was established in 2019 by Department of Higher and Technical Education (DHTE), Govt. of Jharkhand and is Run & managed by Gumla Educational Foundation under PPP mode. The college has a state of art infrastructure in about 10 acres with 2 lakh sqft. builtup area. The campus has separate hostels for boys and girls.

Gumla Polytechnic college is known as an institution of quality learning. The college is approved by the All India Council for Technical Education (AICTE) and is affiliated to Jharkhand University of Technology (JUT), Ranchi. It is also registered as an affiliated college with AISHE (MHRD), Govt. of India.

Gumla Polytechnic college is a member of National Digital Library, NPTEL-SWAYAM chapter and is a member of DELNET for e-Library.

Gumla Polytechnic College has been recognized as one of the best polytechnics in Jharkhand and received recognition for participation in 'Internshala'. The College was awarded the 'Best Polytechnic in Jharkhand with Industrial Interface' by Centre for Educational Growth & Research (CEGR), New Delhi. It also received 'Indian Achiever's Award 2021-22' in recognition of the outstanding professional achievement towards nation building. The College has been recognized as 'District Green Champion 2022' by MGNCRE, MHRD, Government of India.



GUMLA POLYTECHNIC COLLEGE

Chandali, Near Police Line, Lohardaga Road Gumla - 835233

gumlapolytechnic@gmail.com • www.gumlapolytechnic.ac.in

9065526251 / 9065526252 / 9065526253

BCA

3 Year
6 Semester
Full time
Degree Course

Bachelor of Computer Application

Course Approved by **AICTE**, New Delhi &

Affiliated to **Jharkhand University of Technology**, Ranchi



Achieving Excellence Together

GUMLA POLYTECHNIC COLLEGE, GUMLA

Gumla Polytechnic College, Gumla

Affiliated to Jharkhand University of Technology (JUT, Ranchi)

DEPARTMENT OF COMPUTER SCIENCE

Introducing

3-year full time Bachelor of Computer Application (BCA) Course

Introduction to BCA Program of JUT

Bachelor of Computer Applications (BCA) course of the Jharkhand University of Technology, Ranchi is an Undergraduate (UG) Program of 3- year duration (6 semesters). The academic activity period for the programme shall be a semester (July to December and January to June). The course is approved by AICTE, New Delhi.



Eligibility for Admission

First Semester : Passed 10+2 examination or Intermediate or any other equivalent exam. with a minimum of 45% aggregate in any discipline (Arts, Commerce, Science) with mathematics as one of the subjects.

Candidates who have passed their Matriculation examination and have also passed three-year Diploma in any trade from JUT, Ranchi, Jharkhand or such Examination from any other recognized SBTE, Jharkhand.

Students with above criteria who have passed 1 year Diploma in Computer Application / IT (or equivalent) from a recognized University or DIT / DCA level are eligible to be admitted directly in Third Semester (Lateral Entry).

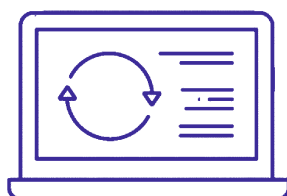
What is Bachelor of Computer Application (BCA)?

BCA is a 3-year Bachelor of Computer Application course. Each year covers two semesters of six months. The course aims to provide the insights of computer programming skills with different aspects of computer applications.

The course curriculum is industry oriented. The subjects offered vary from basic to core programming languages like C, C++, Java, Python etc. and include Computer Networking, Operating Systems, Database Management System etc.

The Need for a BCA Course

There is a growing need for qualified computer professionals. Students opting for **BCA** learn not only about computer & Information Technology but also in communication, organization and management. A BCA degree holder can be employed in many sectors, such as healthcare, IT, finance, trading, transportation, software, education etc. A BCA graduate can choose from numerous career options like Software development, Education, Government departments etc.



Job Opportunities for BCA Graduates

BCA graduates can get jobs as: Computer Programmer, Web Developer, Web Designer, Web Application Developer, Network Administrator, System Manager, Software Developer, Software Tester, Game designer, Computer Operator and a healthy scope for higher studies. A bachelors' degree in Computer Applications, provides a healthy base for further learning and numerous job opportunities and chances of higher studies.

Scheme of Study

- **Core Course (CC)** of 4 Credits each of total 15 papers: This should compulsorily be studied by students as a core requirement of the course.
- **Elective Course (EC)** of 4 Credits each of total 6 papers: This can be chosen from a pool of courses (specific or specialized or advanced or supportive to the discipline and provides an extended scope) to enable an exposure to some other discipline/subject/domain.
- **Ability Enhancement Compulsory Course (AECC)** of 3/2 Credits of total 4 papers. AECC are the courses with the content to knowledge enhancement.
- **Skill Enhancement Courses (SEC)** of 2 Credits each 4 papers: SEC are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills etc.

The above courses may be chosen from a pool of courses and should contain both theory and lab/hands-on/training/field work. The purpose is to provide students life-skills in hands-on mode so as to increase student's employability.

- 5 theory papers and 2 practical from first semester to fourth semester.
- 5 theory, 2 practical and 4-to-6-week industrial training / one live-project in fifth semester. 4 theory, 1 practical and 1 major project in sixth semester.
- At least 90 teaching days in each semester excluding periods of exam. and admission etc. for instruction, field work, dissertation and practical work.

Examination Assessment

- i. The examination of each paper shall have two components: External evaluation (End Semester University Examination) at the end of the semester carrying 70 marks to be conducted by the university and Internal evaluation of 30 marks to be evaluated by Teachers.
- ii. Internal evaluation shall comprise written exam carry 20 marks of a paper.
- iii. Seminars/Cultural activities/NSS be 5 marks and 5 marks for assignment.
- iv. All sessional Examination and fifth/ sixth semester industrial training viva-voce / project viva-voce will carry 50 marks.

