

Affiliated to

Tribhuvan
University

*Empowering Academic Excellence
and Research Skills*

► **Lalitpur**
Engineering College

ISO 9001:2015 Certified
(Under QAA Certification Process)



lec.edu.np



➤ INTRODUCTION

We are delighted to introduce you to an ISO 9001:2015 certified Lalitpur Engineering College (LEC), an Engineering center, for Bachelor in Civil Engineering (BCE), Computer Engineering (BCT) and Bachelor in Computer Applications (BCA), established in 2010 A.D. and situated at Lalitpur Metropolitan City, Ward No. 11, Chakupat. This college aims to provide an outstanding engineering educational support to the aspirant candidates needed for meeting the national aspirations and goals. LEC is managed by experienced, enthusiastic and highly motivated academician/ personnel having very long experience in both teaching, research and professional career.

To accomplish the aim of LEC and keeping for future growth, college is fully equipped with all dimensions which should be in a Quality Learning Center. For instance: central location of college near to Patandhoka, Chakupat and UN Park, Sankhamul, established by a group of visionary Nepalese eminent professionals, furnished with adequate lab (Prescribed by Nepal Engineering Council and Institute of Engineering, Tribhuvan University), peaceful academic environment, well established and renowned professional/ experienced teachers, sufficient playgrounds (Volleyball, Basketball, Tabletennis, Badminton, etc.), adequate parking facility and other needy facilities are the key strength of the college by which parents and students get attracted and chose to shape their engineering dream. LEC is dedicated to delivering quality education and promoting the practical application of

knowledge acquired by its students. The college has brought up many strategic plans and students' evaluation schemes to meet its vision and make students competitive in the job market. LEC can assure all the concerned people that its management and academic team will never compromise when it comes to providing best possible quality engineering education.

OBJECTIVES

- To produce qualified engineering professionals needed for meeting the national aspirations and goals.
- To perform various research and development works on engineering science and technology.
- To offer various types of training related to engineering field for professional career.
- To provide Engineering Consultancy services at and when needed.
- To produce creative and innovative students who will be capable of generating various technical profession by using their own expertise.



Message from the **DEPARTMENT OF CIVIL ENGINEERING**

In a developing country like ours, civil engineering is the most preferred discipline for infrastructural and socio-economic development.

The Department of Civil Engineering at Lalitpur Engineering College (LEC) aims to enhance the core theoretical knowledge and practical skills essential in becoming technically sound, professionally competent, and globally competitive civil engineers. Our department is committed not only to provide an academic environment for the prescribed courses but also for recent technologies integrated education system with an opportunity for research and development. Our college with our highly qualified,

enthusiastic, and dedicated full-time teachers and as well as visiting faculties, excellent infrastructures, laboratories, and adequate learning materials provides you a healthy learning environment, and platforms to showcase your potential, to turn your dream into a reality.

I feel happy and delighted to welcome our incoming students and my best wishes for their brilliant academic career at LEC.

Er. Shesh Raj Kafle
HOD (Department of Civil Engineering)





Message from the



BACHELOR OF COMPUTER APPLICATIONS PROGRAM

It is an undergraduate degree program that combines the principles of computer applications with the core concepts of business management. The program is designed to equip students with a strong foundation in computer applications and programming, as well as essential skills in business management, including finance, accounting, marketing, human resources & operations management.

Students pursuing a BCA degree learn how to use computer systems & technology to solve business problems & make data-driven decisions. They also gain a comprehensive understanding of business operations & how to manage teams & resources

effectively. Graduates with a BCA degree are well-prepared to pursue careers in a variety of industries, including technology, finance, healthcare & retail. Some popular job roles for BCA graduates include business analysts, project managers, systems analysts, database administrators and developer.

Overall, a BCA degree provides students with a versatile skillset that can open doors to exciting career opportunities & positions them well for success in the digital age.

Er. Bibat Thokar 
Program Coordinator
(Bachelor in Computer Applications)





Message from **CHAIRMAN**

Dear Parents and Students,

Lalitpur Engineering College (LEC), based on a quality commitment to our students and guardians and constant sustainable innovation, enables us to report a significant evolution in performance.

LEC has defined its model, size and organization in order to manage its quality more efficiently in the new competitive context. The organization is aimed at growing and boosting quality education by using a more functional structure through greater integration of enthusiastic students, guardians and scholars. LEC, with modern infrastructure, well equipped library, laboratory and other educational facilities, has a group of highly renowned scholars who have a co-operative spirit and strong commitment to impart quality education of international standard to our engineering students.

We, LEC family, feel highly honored to be part of the national process geared towards professional excellence of its associates. We hope that you will also make the rational and sapient decisions and grow together today for the betterment of tomorrow.

Thank you for your interest in LEC.

Mr. Ramkrishna Chitrakar
Chairman



Message from **EXECUTIVE DIRECTOR**

Dear Parents and Students,

A highly competitive educational establishment, Lalitpur Engineering College (LEC), which has been providing its services since 2010 A.D., aims to enhance practical skills and theoretical knowledge essential for real life situations and for the global competitive market by providing well qualified and highly experienced teaching faculties, properly managed infrastructures, healthy environment, which collectively and ultimately work hard to achieve it accordingly.

The college is dedicated with the mission to be leading institution for quality and professional engineering education. We continue to incorporate improvements to the quality of our service provided to all the students as well as the staffs of LEC. I whole-heartedly invite you to achieve truly distinctive academic as well as social experience at LEC.

Warm regards,
Mr. Lalan Kumar Tiwari
Executive Director



THE TEACHING-LEARNING ENVIRONMENT

"Our teaching approach encompasses a variety of methods, including lectures, practical sessions, tutorials, presentations, field visits, project work, workshops, and seminars. During workshops and seminars, students collaborate in small groups, delving deep into the subject matter covered in class lectures and presenting their findings for further discussion. Tutorial sessions offer students the opportunity for one-on-one or group discussions with their tutors, allowing them to explore course-related topics in greater detail. Our teaching takes place in well-equipped, spacious lecture rooms that meet standard requirements."

Salient Features of LEC

- 1 Highly qualified, experienced and devoted teaching professionals.
- 2 Well-equipped laboratories and workshops.

- 3 Periodical Assignments, Class Tests and scheduled Internal Assessment.
- 4 Available supporting facilities such as internet, sports, canteen, transportation, etc.
- 5 Conduction of practical, workshop and training related to professional field but not included in the syllabus.
- 6 Library with sufficient books and reference materials and provides reference books along with a provision of providing a full set of text books for each semester.
- 7 Well ventilated, lighted and well-furnished standard sized classrooms with latest teaching facilities.
- 8 Regular educational and career counseling sessions, trainings, etc.

COLLEGE ENROLLMENT

ADMISSION CRITERIA

For Engineering

- For Admission in Bachelor in Engineering in LEC, students must pass the entrance examination conducted by Institute of Engineering (IOE), TU.
- Students with 10+2 in Science (Physical or Biological Group with Extra Math), Diploma in Engineering, A Level and scoring minimum C grade in each individual subject in respective examinations are eligible to apply for the entrance test conducted by Institute of Engineering (IOE), Pulchowk.
- IOE conducts computer based entrance test in Physics, Chemistry, Mathematics, English and Engineering Aptitude. All questions are of objective and time duration of the test is 2 hours in one sitting.

• Scholarship

LEC is prioritizing social services and offering 10% scholarships to students in accordance with IOE, TU rules. This can certainly help make education more accessible.

For BCA

- For Admission in Bachelor's program in Computer Applications under TU, students must pass the entrance examination conducted by Department of Humanities & Social Studies, TU.
- Students with 10+2 in any stream and scoring minimum D+ grade in 10+2 examinations are eligible to apply for the entrance test conducted by Department of Humanities & Social Studies.



Top Scorer Students of 2079/80

BCT 2078 Batch

I	Kristal Shrestha	(80.46%)
II	Prabhat Pokharel	(79.85%)
III	Pramish Sharma Sapkota	(79.85%)

BCT 2077 Batch

I	Yasmini Gyawali	(82.4%)
II	Sarad Babu Shrestha	(81.4%)
III	Sairoj Prasai	(76.57%)
IV	Prabin Joshi	(75.1%)
V	Royal Shrestha	(72.46%)

BCT 2076 Batch

I	Sanjish Maharjan	(80.8%)
II	Malisha Maharjan	(79.09%)
III	Pradip Baral	(72.73%)
IV	Safal Marahatta	(72.34%)
V	Nitish Rajopadhyaya	(71.88%)

BCT 2075 Batch

I	Asim Nepal	(83.08%)
II	Rishiraj Giri	(77.45%)

BCE 2078 Batch

I	Ashok Bogati	(76.29%)
II	Prabin Awal	(74.86%)
III	Alisha Bista	(72.86%)

BCE 2077 Batch

I	Arbin Amgain	(72.80%)
II	Shusil Sapkota	(71.1%)

BCE 2076 Batch

I	Nischal Adhikari	(86.29%)
II	Sakshyam Nepal	(80.34%)
III	Prabhat Bhatta	(76.23%)
IV	Sambhav Mahat	(75.43%)
V	Priya Basnet	(73.33%)

BCE 2075 Batch

I	Abshar Baniya	(76.13%)
II	Roman Shrestha	(75.73%)
III	Arjit Barakoti	(73.73%)
IV	Rajesh Neupane	(72.8%)
V	Ridam Paudyal	(70.93%)



» Career Options as a **CIVIL ENGINEER**

"Civil Engineering is that field of engineering concerned with planning, design and construction for environmental control, development of natural resources, buildings, transportation facilities and other structures required for health, welfare, safety, employment and pleasure of mankind."

- Fredrick S. Merritt

A civil engineer can work in any of the areas suggested for:

- Design and development firms
- Government/Non-Government agencies and their contractors

- Engineering consultancies, specializing in private, residential, commercial, and industrial buildings
- Developments, water and flood management, road infrastructure or project management
- Construction expert
- Academic institute
- Research institute
- Entrepreneur
- Designer





Career Options as a **BCA GRADUATES**

This list isn't exhaustive but it provides a solid idea of what fellow graduates gave gone on to do & what potential careers a BCA degree can offer.

- AI Designer/Developer
- Database Developer
- National Security Consultant
- Project Manager
- Technical Writer
- Business System Analyst
- Industry Consultant
- Researcher
- Video Game Programmer
- Client Support Representative
- Information Technologist
- Product Developer
- Software Developer
- Web Designer
- Computer Security Analyst
- Network Security Specialist
- Technical Support Representative



LEC TEAM

Key Personnel

Mr. Lalan Kumar Tiwari
(Executive Director)

Prof. Dr. Surendra Bahadur Tamrakar
(Principal)

Er. Praches Acharya
(HoD, Department of Computer Engineering)

Er. Shesh Raj Kafle
(HoD, Department of Civil Engineering)

Ms. Romin Chitrakar
(Administrative Officer /Exam Coordinator)

Academic and Faculty Staff

Prof. Dr. Surendra Bahadur Tamrakar
(Principal)

Er. Praches Acharya
(HoD, Department of Computer Engineering)

Er. Shesh Raj Kafle
(HoD, Department of Civil Engineering)

Mr. Vidyadhar Sharma
(Asso. Professor)

Er. Shishir Baral
(Lecturer)

Er. Bibat Thokar
(Lecturer/ BCA Program Coordinator)

Er. Sandesh Sharan Poudel
(Lecturer/ICT Coordinator)

Er. Nitesh Sharma
(Asst. Lecturer/ Project Coordinator)

Er. Kamal Gautam
(Asst. Lecturer)

Er. Dhiraj Bohara
(Asst. Lecturer)

Er. Niraj Koirala
(Lab Instructor)

Mr. Sudip Sigdel
(Lab Instructor)

Mr. Prashant Rawat
(Lab Instructor)

Mr. Bipin Chapagain
(Lab Technician/ Exam Assistant)

Mr. Rishi Raj Jha
(Lab Technician)

Administrative Staff

Mr. Ranjan Raj Sharma
(Accountant)

Mrs. Meenu Shrestha
(Librarian)

Mrs. Mina Kumari Shrestha
(Sports Coordinator)

Mr. Ajay Kumar Adhikari
(Technical Assistant)

Ms. Sanila Chitrakar
(Assistant Librarian)

Ms. Sikha Kumari Jha
(Account Assistant)

Mrs. Chandani Kumari Thapaliya
(Receptionist)

Mr. Sug Bahadur Dong
(Office Assistant)

Mrs. Krishni Chaudhary
(Office Assistant)

Mr. Hiunta Tharu
(Office Assistant)

Mrs. Saguni Tamang
(Office Assistant)





Professor Surendra Bahadur Tamrakar
Ph.D. (Geotech. Engg.)
Principal

Message from
PRINCIPAL

Dear Parents and Students,

With an unwavering commitment to nurturing the aspirations of LECians, I am honored to join the Lalitpur Engineering College (LEC), an institution that has been delivering excellence in education since 2010 A.D. It is with immense pleasure and pride that I extend a warm welcome to all of you, inviting you to immerse yourselves in our college, where the academic ambiance envelops you in comfort and promise. Here, you and those around you will embark on a journey towards a prosperous and accomplished professional trajectory.

At LEC, our collaboration with esteemed academic, research, and training institutes underscores our dedication to providing unwavering support and guidance throughout your academic pursuits. Our commitment is to help you realize your dreams and achieve that.

Our esteemed faculty members comprising both accomplished full-time and part-time educators, renowned for their expertise, passion, and experience, deliver lectures that transcend the ordinary. They are dedicated to imparting knowledge that not only equips you for the challenges of your chosen field but also nurtures your intellectual growth.

Our classrooms, laboratories, and college infrastructure are meticulously designed to facilitate an environment of optimal learning. With easy accessibility, inviting classrooms, state-of-the-art laboratories, and thoughtfully appointed facilities, LEC ensures a conducive setting for your educational journey.

At LEC, we believe in holistic growth. Beyond academic excellence, we encourage active participation in a variety of intra-and extra-curricular activities. Whether it's technical exhibitions, sports competitions, workshops, symposiums, or conferences, these opportunities enrich your experiences, broaden your horizons, and nurture skills that extend beyond the classroom.

With a focus on producing graduates who are both Confident and Competent, LEC offers internal training programs in Civil Engineering, Computer Engineering, and Computer Applications. These initiatives ensure that our graduates are well-prepared to navigate the dynamic academic and professional job market. The cornerstone of LEC's philosophy lies in fostering both competence and confidence among its students.

In our relentless pursuit of excellence, we are planning for different academic & research related events. Currently, we have organized a one-day "Symposium in Infrastructure Development." Such event aims to enlighten young enthusiasts about the latest advancements in infrastructure projects. We are confident that such symposium will ignite the flames of research interest and hone the research skills of students, graduates, and faculty members alike.

I extend a heartfelt invitation to you to become an integral part of Lalitpur Engineering College, an institution firmly committed to sculpting careers with discipline, distinction, and diligence. As we move forward, hand in hand, let us create a future that is resplendent with achievement and opportunity.

Thank you





» PHYSICAL FACILITIES

BUILDINGS

The main building of the college houses both academic and administrative spaces, and it features well-equipped laboratories. Our spacious classrooms are designed to provide students with an environment conducive to effective learning. Equipped with state-of-the-art facilities, including multimedia projectors, these classrooms enhance the learning experience, enabling students to acquire knowledge with precision and depth.

Furthermore, there are separate laboratory blocks that have various physics, chemistry, and selected civil engineering practical laboratories.

LIBRARY

Our library boasts an extensive collection of books spanning multiple branches of engineering, computer applications, sciences, arts and humanities, as well as general literature, encompassing over 15,000 books. The library's book borrowing and lending system is facilitated through a library card system for the convenience of our users. Additionally, we regularly subscribe to leading newspapers from our country, ensuring access to current information and news.

LABORATORIES

The laboratories in the college form an integral part of their respective subjects and feature advanced facilities on par with those in the premier institutions in the nation.

INTERNET

We have a dedicated internet line within the college premises, ensuring high-speed connectivity for students, faculty, and staff at all times. Furthermore, we offer Wi-Fi facilities that are accessible anywhere within the college premises, allowing convenient access to online resources and information.

CANTEEN AND STATIONARY

We have a fully hygienic canteen that offers food at subsidized rates, providing a convenient dining option on college. The canteen serves a variety of snacks and cold drinks. Additionally, we have a well-stocked shop that offers a wide range of stationery items, including photocopying services, to cater to the needs of our students, ensuring their convenience and access to essential supplies.





Message from the **DEPARTMENT OF COMPUTER ENGINEERING**

Our Computer Engineering department is vibrant, due to our dynamic academic and technical staff members, as well as our bright students. The department has a team of highly experienced and motivated faculty members who are in process of tuning the young minds to make them globally competitive. The scope of computer engineering is endless. The students of the computer engineering are highly demanded by the recruiters of the top companies. Depending upon the interest of the student, he/she may choose to go for higher studies or if employed can choose to do research, development, design, production, application, testing or management in the Information Technology industry.

After four years of study, our Computer Engineering graduates can find work all over the world. We ensure that our graduates have the understanding necessary to maintain their skills and competencies throughout their professional career. Through innovative teaching-learning process a teamwork approach and leadership building experience, our students gain vital communication and critical-thinking skills. On behalf of the Computer Engineering Department, I welcome our new students and visitors, and wish our current students and graduates well.

Er. Praches Acharya
HOD (Department of Computer Engineering)



» Research & Development (R&D) ACTIVITIES «

LEC is gradually moving forward with research and development in the relevant engineering discipline. We encourage our students to participate in the creation and execution of original ideas. The research and development (R&D) unit at LEC is responsible for creating novel ideas, processes, and technologies as well as enhancing ongoing projects among the students.

Different workshops, seminars, symposiums, technical exhibitions and academic trainings are being conducted in collaboration with the departments / program of Civil Engineering; Computer Engineering and Bachelor in Computer Applications. R&D also collaborates with different research & training institutes. R&D unit not only assist final year research projects but also on organizing / symposium a conference and publishing a research proceeding / journal.



Lalitpur Engineering College (LEC) in collaboration with
Safe & Sustainable Travel Nepal (SSTN)



“Symposium on Infrastructure Development” LEC SYMPOSIUM 2023



COLLEGE TREASURES

From classrooms to careers, our Lalitpur Engineering College has nurtured and empowered exceptional minds. This college graduates are pioneers, innovators, and problem-solvers who have made us mark across industries. With a solid foundation, I have embarked on journeys that define the future. Join Lalitpur Engineering College for legacy of success."

Kushal Tiwari,
2070 Batch, Civil Engineering, Engineer Level 7
Nagarjun Municipality, Sitapaila, Kathmandu



Recalling my time at Lalitpur Engineering College brings a sense of nostalgia and achievement. The academic voyage I undertook within its walls was not just a pursuit of knowledge, but a transformative journey that sculpted my character and aspirations.

The exceptional faculty at Lalitpur Engineering College played a pivotal role in shaping my understanding of complex subjects and nurturing my intellectual curiosity. The comprehensive range of academic programs provided a holistic education that combined theoretical learning with practical application, preparing me to confidently step into the professional world. Beyond academics, the campus radiated a vibrant energy with numerous extracurricular activities, clubs, and events that allowed me to explore my interests, develop leadership skills, and create lifelong friendships. The blend of academic excellence and a nurturing environment fostered personal growth, ensuring that I graduated not only with a degree but with a broader perspective on life. As an alumnus of Lalitpur Engineering College, I carry forward the values instilled in me: a quest for learning, an eagerness to innovate, and a commitment to contributing positively to society. The memories and experiences from my time at the college remain a cherished part of my identity, driving me to pursue excellence and make a meaningful impact in my chosen field.

Ranjita Timalisina
2074 Batch, Civil Engineering

I am Tanushree Nepal, and I had the privilege of being part of the pioneer batch of Computer Engineering students (2074-2078) at Lalitpur Engineering College. These years hold a special place in my heart as they marked a transformative phase of personal and professional growth. I am currently employed as a Financial Data Analyst at Genese Solutions, where I utilize my skills to extract valuable insights from financial data. Additionally, I am dedicated to nurturing the next generation's interest in technology as a part-time Computer Teacher at Ideal Model School.

My years at LEC have been pivotal, fostering personal and professional growth that I hold dear. The camaraderie I developed with peers has become a supportive extended family, propelling me from an introverted individual to a confident, outgoing person – a transformation nurtured by the college's encouraging atmosphere. These formative years not only sharpened my social skills but also paved the way for my current role as a Financial Data Analyst, a journey facilitated by the exceptional guidance of the faculty. LEC's comprehensive curriculum and practical projects exposed me to a spectrum of concepts, instrumental in shaping my career. As I navigate forward, I am invigorated to evolve further, all while treasuring the indelible imprints of LEC – an odyssey that sculpted my trajectory, allowing me to thrive professionally and cherish cherished memories.



Tanushree Nepal
2074 Batch, Computer Engineering



Embracing the journey at Lalitpur Engineering College has been nothing short of extraordinary. Our college transcends the boundaries of traditional education, nurturing a dynamic community where innovation thrives, collaboration flourishes, and personal growth takes center stage. Through engaging curriculum and dedicated faculty, I've not only acquired invaluable knowledge but also honed practical skills, arming me for a thriving engineering career. I wear my association with this institution as a badge of honor, confident that it stands as an unparalleled choice for aspiring engineers, offering an astonishing blend of academic excellence and personal transformation. Hence, I'm proud to be a part of Lalitpur Engineering College.

Jaya Shrestha
2075 Batch, Computer Engineering



»» MISSION

- To attain a prominent position as a leading engineering college in Nepal, while offering exceptional engineering education within a supportive academic setting, fostering academic excellence, and empowering research skills.
- To emphasize the importance of job-oriented education, instilling self-reliance in young minds, and equipping the next generation to thrive in a brighter future by inspiring their intellectual response to the challenges of life.



VISION ««

- To aspire to be the foremost institution of higher education in engineering, not only in Nepal but also across the SAARC Nations.



SPORTS & GAMES

The college encourages both indoor and outdoor games, and provides a varied range of facilities to the students. The college has spacious playgrounds and encourages sports such as basketball, volleyball, badminton and other indoor games. Students are encouraged to play sports of their interest under the expert guidance.

MEDICAL FACILITY

A first aid kit is available to take care of minor ailments. An effective MoU with Nepal Medicit Hospital is the way of caring the health of our students, faculties and staffs where they can be benefited in terms of subsidies in their hospital visits & services being associated with LEC. In addition, a vehicle is stationed to transport students to the nearest medical facility in case of emergencies.



Academic Programs

LEC offers following academic programs

S.N.	Program	Annual Intake Capacity	Total Semester	Duration
1.	BE Civil	48	8	4 years
2.	BE Computer	48	8	4 years
3.	BCA	35	8	4 years

Career Options as a **COMPUTER ENGINEER**

This list is not exhaustive but it provides a solid idea of what fellow graduates have gone on to do and what potential careers a Computer Engineering degree can offer.

- AI Designer/Developer
- Client Support Representative
- Database Developer
- Hardware Systems Designer
- Information Technologist
- National Security Consultant
- Product Developer
- Project Manager
- Software Engineer
- Systems Designer
- Technical Writer
- Web Designer
- Business Systems Analyst
- Computer Security Analyst
- Entrepreneur
- Industry Consultant
- Interface Designer
- Network Security Specialist
- Professor/Teacher
- Researcher
- Software Security Engineer
- Technical Support Representative
- Video Game Programmer



Memorandum of **UNDERSTANDING (MOU)**

LEC has done a memorandum of understanding (MOU) with following institutions for the betterment of the students in both academic and research activities.

- **Local Roads Bridge Support Unit (LRBSU)**
- **Safe & Sustainable Travel Nepal (SSTN)**
- **Broadway Infosys Pvt. Ltd.**
- **Nepal Mediciti (Ashwins Medical College & Hospital Pvt. Ltd.)**
- **IMAC Engineering Co., Ltd.**
- **Deerwalk Compware Pvt. Ltd. (DWC)**



Internship **FACILITIES**

Internship facilities have been provided to our students by following institutions:

- **Avighna Technologies Pvt. Ltd.**
- **Dream Space Creation Pvt.Ltd.**
- **Design Station Pvt. Ltd.**
- **Engineering Consultancy for Constructive Development Efforts (ECoCoDE) in Nepal Pvt. Ltd.**
- **Syndrome Innovations Pvt. Ltd.**
- **Bista Engineering and Construction Pvt. Ltd.**
- **Bibhuti Nirman Sewa Pvt. Ltd.**

LIFE @ **LEC**





LALITPUR ENGINEERING COLLEGE

(Affiliated to Tribhuvan University)

Chakupat, Patan Dhoka, Lalitpur

Ph: 5268215, 5268216 | Email: info@lec.edu.np



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Programs
Offered

BCE

Bachelor in
Civil Engineering

BCT

Bachelor in
Computer Engineering

BCA

Bachelor in
Computer Application

