Chhattisgarh Engineering College
(Approved by AICTE - New Delhi, DTE - Chhattisgarh Govt. & Affiliated to CSVTU, Bilai, Chhattisgarh)

Electronics & Telecomm  Electrical & Electronics  Computer Science  Civil Engineering  Mechanical Engg.

PROSPECTUS
Message from Secretary

Chhattisgarh Engineering College is being established by Durg Education & Charitable Society. Society is successfully running several educational institutes, like Chhattisgarh Engineering College, Chhattisgarh Agriculture College, Chhattisgarh Agriculture Engineering College and Chhattisgarh Nursing College, Polytechnic (Diploma Engineering). Society is running educational institutes since 12 years and is having an excellent placement record. Chhattisgarh is fast developing state and there is acute shortage of quality technical man power in the state. Chhattisgarh Engineering College (CEC) is established with a motive to provide quality technical education to the students. Keeping in view of the competition and present economic scenario, we are offering disciplines which are of much relevance to today's industrial world. We have developed state of art world class infrastructure with modern amenities. Career oriented education is the prime concern of our organization.

Nalin Lunia
B.E. (Mech.), MBA

Message from Principal

Chhattisgarh Engineering College (CEC) is established in the year 2009 by Durg Education & Charitable Society to envisage the dream to establish a world class engineering education centre in central India. It has the vision of establishing itself as an outstanding learning centre in the coming years. At CEC our aim is to provide excellent technical education to the deserving youth to transform them into world class leaders in their field. Our objective is to provide every opportunity and resources to the student community so that they will turn to be the best and nothing but the best in their chosen fields of expertise.

Dr. J. Shivakumar
M.E (Machine Design)
Ph.D (IIT Kharagpur)
MISTE, MISTAM
VISION
To be a world class institution in developing competent professionals with values and character for a productive and rewarding career in engineering through quality technical education.

MISSION
To Promote the intellectual development of our students by teaching them problem-solving, leadership and teamwork skills and the value of a commitment to quality, ethical behavior, society and respect for one another.

COURSES OFFERED

Bachelor of Engineering (B.E.) 4 Years Course

Institute Code - EN 142


Polytechnic (Diploma Engineering) - 3 Years

Institute Code - DE 129

Mechanical Engineering  Civil Engineering
INFRASTRUCTURE

DEPARTMENT OF COMPUTER SCIENCE

Computer science is the scientific and practical approach to computation and its applications. It is the systematic study of the feasibility, structure, expression, and mechanization of the methodical procedures (or algorithms) that underlie the acquisition, representation, processing, storage, communication of, and access to information.

WHY TO STUDY COMPUTER SCIENCE?
Booming IT sector in India has plenty of jobs for fresh computer science graduates. Career in IT is considered one of the most high-paying jobs and is full of opportunities; particularly when India’s progress in information technology industry is recognized across the globe.

Variety of Jobs Prospects
- Students are employed every year by companies like Microsoft, Cognizant and others for SAS and Statistical programming.
- Students of the department are employed by National Stock Exchange - IT section
- Banking sector for students with background in databases and networking.
- Students are employed by companies of international fame like Infosys, Wipro, PCS, Syntel, PI-Technologies, and Satyam.
- Students working in digital signal processing and IDS are employed by the forensic laboratories.

LABORATORIES FOR PRACTICALS:
Computer labs at CEC are sophisticatedly designed and is equipped with resources and software required. The laboratories for the subjects like Problem solving & logic design using "C", Object Oriented Programming language in C++, Computer Network, Computer Graphics, Unix & Shell Programming, Programming in Java, Database Management System etc., are provided.

TIPS FOR SUCCESSFUL CAREER
- Computer Engineering requires practical knowledge to be employable.
- Acquire add-on graduate courses offered by Microsoft, Oracle, Redhat, etc. so that they have higher chances of getting hired.
- Network with people who work in the same field & discuss different aspects of job profile.
- Seek opportunity for the entry level jobs or internships for gaining experience
- Computer proficiency and excellent communication and interpersonal skills.
DEPARTMENT OF CIVIL ENGINEERING

Civil engineering involves the study of engineering hydrology, water supply systems, sewage and sewerage systems, structural engineering designs and construction as well as construction of dams and reservoirs. It also involves application of computers for the planning work, analysis and design for the construction of all type of infrastructure.

WHY TO STUDY CIVIL ENGINEERING?
There is huge demand for civil engineers in India and it is also expected to get a boost as the country gets ready to upgrade its infrastructure with growing economy in the world.

Variety of Job Prospects
- The career opens a lot of opportunities in numerous government departments like housing board department, public health department and irrigation department.
- Civil engineers are employed in all major construction projects carried out by central and state government agencies.
- There are equally good opportunities in the private sector for civil engineers.
- A major opening for qualified civil engineers is also in armed forces where they can make vital contribution to the protection of the country.
- Civil engineers can also get jobs in the public sectors like IOCL, HPCL, and BPCL etc.
- Civil engineers can set up their own engineering consultancy.

LABORATORIES FOR PRACTICALS: Civil Engineering department at CEC is having well equipped laboratories in the subjects like Fluid mechanics, Geotechnical engineering, Material testing, Transportation engineering, Surveying, Structural analysis, Engineering geology, Concrete etc.,

TIPS FOR SUCCESSFUL CAREER
- Civil engineers should be creative and have an analytical mind.
- Civil engineers should be excellent team players because the work involves interaction with many people in a wide range of fields.
- Contact the persons who are working in different civil engineering fields like govt. sectors or private sector undertakings.
- Visit of various project works for getting field experience which will improve confidence.
- Computer proficiency and excellent communication and interpersonal skills.
DEPARTMENT OF ELECTRONICS & TELECOM

ELECTRONICS & TELECOMMUNICATION ENGINEERS are involved in designing, creating, developing, testing and supervising an extensive variety of technology ranging from broadcasting & telecommunication systems like televisions, computers, telephones and radios to various machinery and equipment like tracking devices, video cameras, electric motors, and power generators. The field of electronics covers a wide range of applications and devices which make our life easier and enjoyable by helping to collect, distribute, control & transmit information. They assist us to see, hear and communicate over long distances within seconds.

WHY TO STUDY ELECTRONICS & TELECOMMUNICATION ENGINEERING?

Electronics and communication engineering course offers enormous job opportunities in electronics and software companies. All electronic devices need software interface to run and come with one other or other device controlling programs architected and developed by electronics and communication engineering. It also gives great opportunities for research and development, as everyday consumer need new devices to support them in daily life.

Variety of Job Prospects

- Core companies offering jobs to Electronics and Communication Engineers: Bharat Electronics Limited (BEL), Electronics Corporation of India Limited (ECIL), Intel, Samsung Electronics, Sony, Toshiba, Philips Semiconductors, Texas Instruments, LG Electronics, Nokia, AMD, CISCO, Nvidia, HP and IBM are just few to mention.
- In the Defense services, young engineers start as Second Lieutenants. For selection into the Defense Services – Indian Army, Indian Air force and the Indian Navy, applications are invited through National Dailies.
- As an Electronic Engineer, entry level positions in Government departments are by direct recruitment through advertisements in newspapers. Selection to Gazetted posts is through competitive examinations conducted by Union and State Public Service Commission.
- A large number of electronics and communication engineers can get jobs in government organizations like MTNL, BSNL, Civil Aviation, NPL, AIR, Posts and Telegraph Department, Railways, Bharat Electronics Limited and DRDO, among many others.

LABORATORIES FOR PRACTICALS:

We are having well equipped labs and resources according to the lab we are having different machinery & software too. Micro-Controller Lab, Linear Integrated Circuit Lab, Optical Fiber Communication Lab, Advanced Electronics Circuit, Lab Industrial Instrumentation Lab, Microwave Communication Lab, Digital Signal Processing Lab.

TIPS FOR SUCCESSFUL CAREER

- An electronics engineer should have innovative & independent thoughts, a necessity to create things, deep imagination and vision, aptitude and an enthusiasm to learn, along with logical reasoning.
- An electronics engineer must have good communication skills, including the ability to express himself using figures and words and have the potential to work independently, as well as part of a team.
- Natural curiosity is vital in this profession.
- Computer proficiency and excellent communication and interpersonal skills.
DEPARTMENT OF ELECTRICAL & ELECTRONICS

Electrical & Electronics Engineering branch deals with the study and application of electrons and electricity. Electricity has become the basic need for survival of human beings globally. From household to industrial plants, communication and satellite navigation system, electronic equipment, computers etc., all require electricity.

WHY TO STUDY ELECTRICAL & ELECTRONICS ENGINEERING?
Electrical Engineers are much in demand in India. In the recent years, from house to companies every where there is a necessity of electricity to function, offering numerous opportunities to electrical engineers. Nowadays, we see Electronics playing an important role in the implementation and control of Electrical Machines. Keeping this in mind the course has transformed from core electrical Engineering into a fusion of Electronics and Electrical and has been renamed as Electrical and Electronics Engineering or simply EEE.

Variety of job prospects
- All major companies of public and private sector such as Electricity Boards, Large Scale Industries, Manufacturing Plants, Power Corporations, Hydro-Electricity sector are continuously in need of Electrical Engineers for their projects.
- Electrical Engineers also find job prospects in Design Industries, Production plants, Natural gas plants, Petroleum as well as in steel and chemical plants.
- Many premier Educational and Research Institutions regularly recruit electrical engineers as graduate Engineer trainees and Management Trainees to work on research projects.
- Electrical Engineers can also get a job in Major players in Public Sector such as Indian Railways, Armed forces (Technical Branch) and also in Thermal and Nuclear power Corporation Limited.

LABORATORIES FOR PRACTICALS:
CEC’s Electrical & Electronics department is having well equipped laboratories in subjects like Elements of Electrical Engineering, Electrical Machines, Electric Circuits, Basic Electronics, Digital Signal Processing, Linear Control System, Power System Protection & Switch Gear, High Voltage Engineering etc.,

TIPS FOR SUCCESSFUL CAREER
- Candidates must have skill to perform the design and experimental project works.
- Basic knowledge of electrical & electronics engineering principles along with the required knowledge of Computing and engineering fundamentals.
- Computer proficiency and excellent communication and interpersonal skills.
DEPARTMENT OF MECHANICAL ENGINEERING

**Mechanical engineering** is one of the oldest branches of engineering. Traditionally, mechanical engineers have to deal with concepts such as mechanics, thermodynamics, robotics, kinematics, structural analysis, fluid mechanics and many others. These concepts are applied in the process of designing state-of-the-art manufacturing units, different types of motor vehicles, aircraft and aerospace parts and a vast assortment of industrial machinery.

**WHY TO STUDY MECHANICAL ENGINEERING?**

The job market for mechanical engineers is perennial. According to a survey, mechanical engineering is amongst the most sought after branches of engineering preferred by students seeking admission to various technical institutes across India in the recent years.

**Variety of Job Prospects**

- Major industries that employ mechanical engineers include automobiles, space research, aeronautical, energy and utilities, air conditioning, bio-mechanical industry.
- Other major employers include giant manufacturing plants, air conditioning and refrigeration industry, turbine manufacturing plants, oil and gas exploration and refining industries and the agricultural sector.
- In the government sector, mechanical engineers can provide their knowledge to various government run projects in the role of technical experts and consultants.
- They can also work in private engineering companies that provide technical consultancy to both government and corporate firms.
- These engineers can also hold high managerial positions in government as well as private sector organizations according to their field of expertise and educational qualifications.

**LABORATORIES FOR PRACTICALS:**

Mechanical department at CEC is equipped with fully furnished laboratories in almost all the subjects like Refrigeration & Air Conditioning, Heat & Mass Transfer, Manufacturing Science, Machine Design & CAD/CAM, Applied Thermodynamics, Fluid Mechanics etc.,

**TIPS FOR SUCCESSFUL CAREER**

- Constant involvement in the development of new components, gadgets and machines.
- Computer proficiency and excellent communication and interpersonal skills.
- Seek opportunity for the entry level jobs or internships for gaining experience.
- Network with people who work in the same field & discuss different aspects of job profile.
- Getting involved with a project & going to sites will give practical knowledge of the profession.
OTHER DEPARTMENTS

Communication (Language) Lab
The lab is designed to provide the students adequate practice in developing communication skill, group discussion, public speaking etc., Special software is installed in communication lab for grooming students and developing their speech, hearing, language & other communication skills.

Department of Applied Physics
To improve fundamentals of the students all the modern equipments are installed in this lab. Dark room is created for conducting special practicals.

Department of Engineering Chemistry
The lab is well equipped with latest equipments for teaching as well as for research activities. The lab is very spacious and designed looking to the comfort of the students & faculty members.

Workshop
Workshop is huge & spacious with all the modern machineries & equipments. Workshop is having Carpentry shop, Fitting Shop, Welding Shop & Smithy Shop.
College has established training and placement department. Various seminars, workshops, special lectures & Job placement interviews are organised in the college.

- Student Selected in Campus Interview by Viteos Technologies to work in siemens and Nokia Projects
- Workshop on Electrical & Automation
- Industrial Visits & Educational Tour of Students
- Campus Placement by HCL Technologies
- Seminar
- Campus placement by IDEO Resource Technologies, Kolkata
Students get information about the latest market trends and students are given training about latest technologies which are useful in industries. Students are prepared for campus interviews. Placement is a prime concern of our institute & we have made tie-ups with several national & multinational renowned companies.
रोजगार एवं शिक्षण विभाग (Training & Placement Department)
कॉफ्स चयन पर हार्दिक बधाईयाँ

CEC की रोजगार एवं प्र। क्षेत्र विभाग अत्यंत ही सक्षम है | इस विभाग के माध्यम से अनेक चयनित छात्र/छात्राओं का विभिन्न क्षेत्रों में रोजगार प्राप्त हुए हैं, कृपया छात्र/छात्राओं ने विचार प्राप्त किए हैं जो निम्नतर विवरण हैं—

(1) वाई. इला मुक्के गर्व है कि मैं इस सीईसी महाविद्यालय की हिस्सा हूं, यदि हम दूसरे महाविद्यालय के साथ तुलना करते हैं, इसमें कोई भाग नहीं है कि सीईसी महाविद्यालय प्रगति की राह पर आगाज है। मैं आमारी हूं, इस महाविद्यालय के प्रचंड और सलाह दी, उससे मुझे इजिनियंचिंग के अध्ययन के दौरान रोजगार प्राप्त करने में मुझे मदद मिली। वर्तमान में मैं Infosys कंपनी में ट्रेनिंग कर रही हूं।

(2) विकीशा खंड :- मैं अपने महाविद्यालय—सीईसी को अपना दूसरा घर समझता हूं। मैं अपनी पूरी जिन्दगी, इस महाविद्यालय में अपने अध्ययन काल को नहीं मूल पाँजिया, क्योंकि इस महाविद्यालय में मैंने नामुक्कल को मुम्हक करना सीखा है | किसी ने प्रॉफीज़र में प्रॉफीज़र का कुल देना आसान होता है, पर जीवन की कठिनाईयों का सामना करने वाला ही स्वास्थ्य योद्धा होता है और यह कला मैंने इस महाविद्यालय से ही सीखी है। मैं गर्व के साथ कह सकता हूँ कि इस महाविद्यालय में सीईसी सबसे सबसे मेरे जीवन की प्रगति के रास्ते की ही विकीशा होने वाली है। वर्तमान में मैं ब्रिटISH बैंक कंपनी में कार्यरत हूं।

(3) गौरी साहूः—सीईसी महाविद्यालय के प्र। क्षेत्र से हमारी कार्यकु त्रता एवं प्रबन्धन क्षमता को बढ़ाया है। इसकी मदद से हमने अनेक क्षमताओं में प्र। क्षेत्र प्राप्त किया, जहाँ हमें प्रायोगिक एवं व्यावसायिक शासन प्राप्त हुआ। इस विवाद के दौरान हमें विविध क्षमताएं में प्र। क्षेत्र प्राप्त हुआ। हमें अनेक क्षमताओं के महाविद्यालय में आमंत्रित किया जाता है, जिससे हमें रोजगार प्राप्त हो सके। वर्तमान में मैं Infosys कंपनी में ट्रेनिंग कर रही हूं।

(4) राहुल खण्डवाटे वैदिक महाविद्यालय—सीईसी, मेरे लिए महत्व है, क्योंकि मैंने यहाँ जिन्दगी मिली। यहाँ मैं अध्ययन रहते ही कंपनी में चयनित हो गया, जिससे मुझे अत्यंत खुशी हुई, यह केवल सीईसी महाविद्यालय के कुल प्रबन्धन की मदद से ही समय हो पाया है। जब मैं कंपनी में चयनित हुआ, वह पल मेरी जिन्दगी का सबसे खुशी का पल था। वर्तमान में मैं जीपी रेसिट्र सीसी में कार्यरत हूं।

(5) सुमेत कुमार निमित्तकर—मैं सुमेत कुमार निमित्तकर EEE बॉच से 2014 में प्रायोगिक शिक्षा से उत्तरी दिशा में स्नातक की उपाधि अर्जित कर ली गई और मैं आज जिल्दल स्टील (JSW) कॉर्पोरेटा में Training Engg. के रूप में कार्यरत हूं, मेरे पूरे पादरक के दौरान EEE Dept. के Experience Faculty के दौरान सभी विषयों का उपयोग करके HCC द्वारा ग्रहण कर ली गई और मेरे प्रायोगिक शिक्षा के दौरान नौकरी पाने के लिए मानदंड नीं निम्न धरा गया। जितनी कितनी प्रायोगिक शिक्षा दिन भी की गई और मेरे माफिक क्षेत्र में कार्यरत हूं। जिसके लिए मैं CEC College का धन्यवाद करता हूं।

Companies for Placements

![List of companies for placements](image)
Glimpse of Student’s Thoughts

Sonali Singh, Branch: Computer Science. (CSE Topper-1’)
I feel proud to be the part of this college. If we compare with other colleges then no doubt it stands in a better position. I am very much thankful to the administrator & counselor of this college, who helped me in my whole engineering & in my job.
Training & Placement Cell of this college is excellent as they helped me during campus & guided me so well that I got selected in 3 different Companies. Currently I am working in Global Infotech Software Company.

Sanjeev Sahu, Branch: Mechanical.
I feel My College is our second home, In my whole life I will never ever forgot my college, because in this college I learn how to change impossible to possible. It is easy to learn how to solve exam question but one who solve life problem I think he is genius, So proudly I can say I learn these things from my college. This is the platform of our life.
Our Training & Placement Cell improves our education skill. Through Training & Placement Cell we visited some industries also and learn practical knowledge. It also provides us Campus Training & Calls Companies For Campus Recruitment. I got selected 4 times in different different companies.

Kanchan Bala Rai, Branch: (EEE Topper-1’)
Our College campus is good. Here all faculty are very are very cooperative. They all are highly qualified. They teach us in good manner. They conduct seminar for better understanding of topics.
College invites so many companies for campus drive from last 2 years. They provide better training time to time. Our college canteen & mess facilities are good. The food served is healthy and hygienic.

Damini Tandan, Branch: EEE
My College is very good, it conducts annual function, Sports, Cultural Events, art of living and so many activities. Our college faculties are always motivating us by sharing their experience.
Our training & placement cell organize many campuses for each and every branch. We attended the campus interviews, our college also conducts pool campus drive for students.

Pradeep Kumar Pandey, Branch: EEE
In My College I got good infrastructure & all labs, which is the first requirement of every student. Here method of teaching & support of faculty is appreciable; And Our TNP Cell conducts placements timely, Proper training is given to every student to elaborate their knowledge and to give them industrial experience.

Sarla Sonkar, Branch: (EEE Topper – 2’)
Our College provides many placements in last 2 years. It provides good training for campus placement & also conducts campus drive for our job. I am very happy with college campus & management.

Mohd. Kausar Raza, Branch: Mech
My college is great for me because here I got the life. Here I got selected in company in my 8th Sem. I am feeling very happy. It is possible only because of the support of college management & training and placement cell. The moment I got selected in campus placement is greatest moment of my life.

N. Mercy Rose, Branch: EEE
In only 5 years this college has lifted up very high, In academics or in other curriculum activities in every area. Our faculty teaches us very nicely with such a calm behavior. There examples and awareness towards students is appreciable. College has conducted many campus and placement drives. I think keeping all branches in view, we faced many companies for our placement’s. College also arranged open campus for us.

CHHATTISGARH GROUP OF COLLEGES

BE B.Sc. B.Tech B.Sc. Polytechnic
MECH, CIVIL, CSE, EEE, ET & T
(ENGINEERING ) (AGRICULTURE) (AGRICULTURAL ENGG.) (NURSING), ANM (MECH, CIVIL (DIPLOMA ENGG)
9826126171 9827102362 9827942698 9827968807 9993240599
CHHATTISGARH ENGINEERING COLLEGE
CHHATTISGARH NURSING COLLEGE
CHHATTISGARH AGRICULTURE COLLEGE
CHHATTISGARH AGRI. ENGG. COLLEGE
LIFE @ CEC

View of Classroom

Facilities at Library

Student’s life

Cricket Match at College

OTHER FACILITIES

HOSTEL:
Fully furnished separate hostel facilities are provided for boys and girls. Hostel and mess facility is provided on no profit, no loss basis.

TRANSPORTATION

CANTEEN
Competitions for students are organized round the year in quiz, writing, elocution, debate etc. Also annual day celebration VISION/CHIRAG gives platform for students to exhibit their talents in sports, art, music, drama etc. College felicitates meritorious students for their outstanding performance by awarding the students in annual day programme. Best teachers are also felicitated in annual function. Various events like seminars, special lectures, Industrial training, campus placement etc. are organised by College. College is having ATM Facilities of Central Bank of India College is also having Lush Green Garden with adequate space for sports, parking & other amenities.
LOCATION
College is centrally located in between Durg-Bhilai city and is well connected by road, railway & bus.