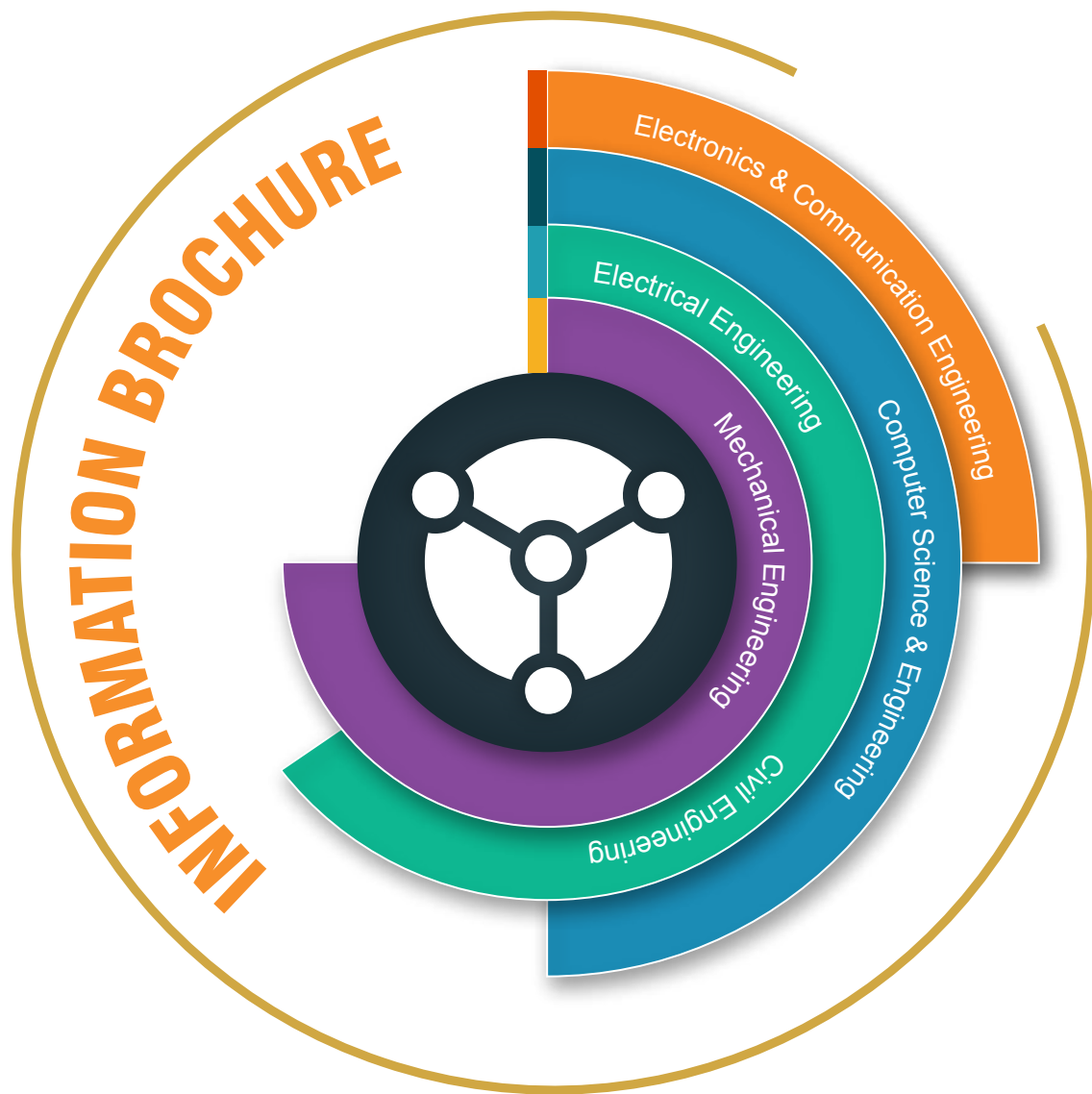




# K.K. College of Engineering & Management

An ISO 9001 : 2008/2015 Certified Organization



AICTE Approved

Vinoba Bhave University affiliated

At Nairo, P.O. Bagsuma, P. S. Govindpur, Dist. Dhanbad (Jharkhand).  
[www.kkcemdhanbad.ac.in](http://www.kkcemdhanbad.ac.in)

# The PARENT BODY

## Samajik Kalyan Sanstha

**E**r. Ravi Chaudhary, a Philanthropic Entrepreneur, founded 'Samajik Kalyan Sanstha' in 1993. As a 'Missionary' and 'Visionary', ten institutions have been established since then. K. K. College of Engineering & Management, at Nairo, Govindpur, Dhanbad, popularly known as KKCEM, was set up in 2010. The authority is committed to develop the college as one of the best seat of 'Engineering, Management & Total Education' in Eastern India fulfilling the socio-economic development needs particularly in Jharkhand and Bihar.

Samajik Kalyan Sanstha is 'Registered' under the 'Societies Registration Act XXI of 1860'. Its 'Registration No. 590, 10-12-1993' in Bihar state and it is reciprocally Registered in Jharkhand State having 'Registration No. 119' of the year 2007. The Society has established 'K. K. Group of Institutions' since its inception by the 'Founder Chairman, Er. Ravi Chaudhary'.

The philanthropic 'Society' is having a core group of qualified engineers with vivid experience in industries, Govt. project/s implementation, rural development, illiteracy eradication and social uplift of uneducated women and children. It has established, so far, ten technical institutions in Bihar and Jharkhand in the preceding and present decades.

In order to achieve its objective of imparting quality education, the Society established K. K. I. T. I. in 1993 for the promotion of 'Vocational Training' and got affiliation from the State Council for Vocational training, Patna (Bihar). It has been a successful institution in creating a platform for the deserving students of the state.

The management has taken special care of all the institutions established by the Society to provide job oriented Degree, Diploma, Vocational and B. Ed courses in order to generate competent professionals ready for embracing the challenge of globalization in the 21st century.

*"Our Source of Inspiration"*



Lt. Kameshwar Pd. Singh



Lt. Kaushalya Devi

*"Education is the manifestation of the Perfection already in man".*

Swami Vivekananda



K.K. CAMPUS, DHANBAD AT A GLANCE

# Chairman's Desk



Er. Ravi Chaudhary  
Chairman

In the current era of knowledge based economy, technical education is the key to socio-economic development of the country. I feel very much elated with the arrival of new students in K. K. College of Engineering & Management. I perceive the dream to success through the eyes of the students.

The establishment of K. K. College of Engineering & Management is a facet of our vision. It has a distinctive profile of rural in ambience but modern in approach. Our aim was to set up an institution of excellence at par with the best the world had to offer. Today, I am proud to say that we have been greatly successful in our endeavour.

The prime objective of K. K. College of Engineering & Management is to deliver quality of service you need for becoming a successful engineer with a competitive edge. The picturesque campus with its aesthetic buildings, human resource, laboratories, workshop, library, playground, amphitheatre, 'sports and games complex', highly qualified faculty members etc., has laid a sound foundation for acquiring quality technical education here. We are passionate about grooming you as competent professionals, good human beings with ethical values and respect for Indian traditions (sanskar). While ensuring holistic education so as to make you better human beings, we instill the sense of responsibility as expected of aroused citizens. It is assured that you will be proud of yourself as a confident and successful technocrat after the completion of course at KKCEM.

In fine, our students remain our best ambassadors, who, after passing out, will be equipped in every aspect to successfully meet the challenge and expectation of the Industry.

# Director's Desk



Er. Richee Ravi

Director

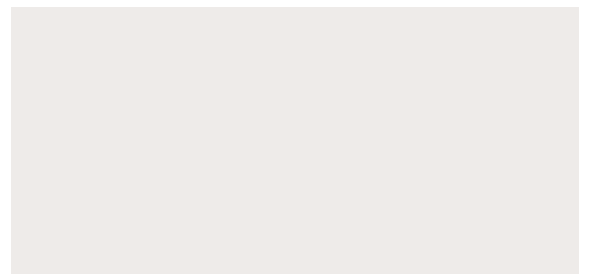
K.K. Group of Institutions

**K**. K. College of Engineering & Management moves forward to become a world class centre of learning in the field of engineering sciences. At KKCEM, we are committed to provide quality education to all the students. We work for developing each student such that they become successful in the present competitive environment. The college helps students to become technical experts with managerial skills and professional outlook. All these professional qualities are necessary for the industries now.

Our primary aim is to raise the level of professional literacy, capability, employability of the common people in the Chhota-Nagpur Plateau. The current generation would radically change the society after passing-out as a professional from our institution/s. They will, in turn, boost up the socio-economic status of the entire region by utilizing their potential for the overall development of the society in phases. This Self-sustaining process will reform the society as a whole.

It is our desire to make you a qualified and competent professional. We are ready to give you the best academic environment and placement assistance with an access to all latest facilities.

We have a vision to go beyond the conventional practice through sustenance, innovation and research. A meticulously planned effort to embark upon real life projects, the synergic venture of academia and industry for enabling students to take the leadership is what we have been relentlessly working upon. We welcome you to be a part of this exploratory journey through which the lessons of life and the nuances of technology would be seamlessly integrated in the students. 'Flat world' and 'the sky is the limit' is what we set forth to our students.



# Principal's Desk

We are now providing you with an infrastructure that is proving to be the best in our country.

Being located near Dhanbad, Bokaro, the 'Coal Capital' of our country with an world-class industrial belt spanned by Maithon, Bokaro, Jahshedpur, Ranchi, Chandrapura etc., K. K. College of Engineering & Management has the advantage of interacting with the industries directly and send the students for training and open up avenues for their placement.

Experienced, highly qualified engineers run our institution with a synergic relation between industry and academia. We give a solid foundation for learning in an atmosphere where the faculty and the students imbibe best practices. We teach the students by making use of the latest technological marvels; from Wi-Fi connectivity to digital library and smart seminar halls. The laboratories and workshop are having latest equipment for training the budding professionals. Students are regularly sent for industrial visit and training with a back-up for hundred percent placement assistance. Leading companies are also coming for placement drive in the campus regularly. Many students have made us proud with their post-degree placement in academia and pioneering industries.

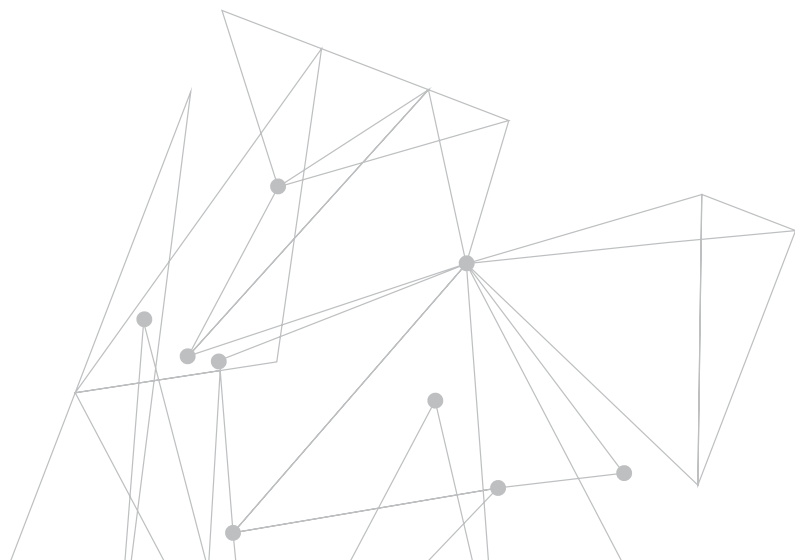
In-campus separate hostels for both the boys and girls together with conveyance facilities for the day-scholars are made available for decreasing the stress and wastage of time. The hostels are providing high quality food and a round the clock power back-up for the entire campus. In-campus sports and co-curricular facilities help students maintain a good health and sound mind.

The Principal, Dean, senior faculty members and wardens stay in the campus and look after the students round the clock. Lot of civic amenities is made available for making the campus vibrant.

We invite you to congregate in KKCEM while engineering you to become really good engineers.



Prof. (Dr.) Manoj Kumar  
Principal



# Dean's Desk

In our institution, we nurture the holistic growth of students in a congenial and cognitive atmosphere of the natural fabric. 'Sa Vidya Ya Vimuktaye'. Innovative teaching and quality research is what we aim for the social uplift. In the 21st century the concept of pedagogy has got remodeled. In effect, overall infrastructure facilities have been optimized to cater wisdom and education for the next generation. We are confident that this modest approach will prove our institution as a sanctuary of the innovative minds for becoming a complete person. Quite simply, our mission is to rekindle the urge for manifestation of divinity and perfection in students.

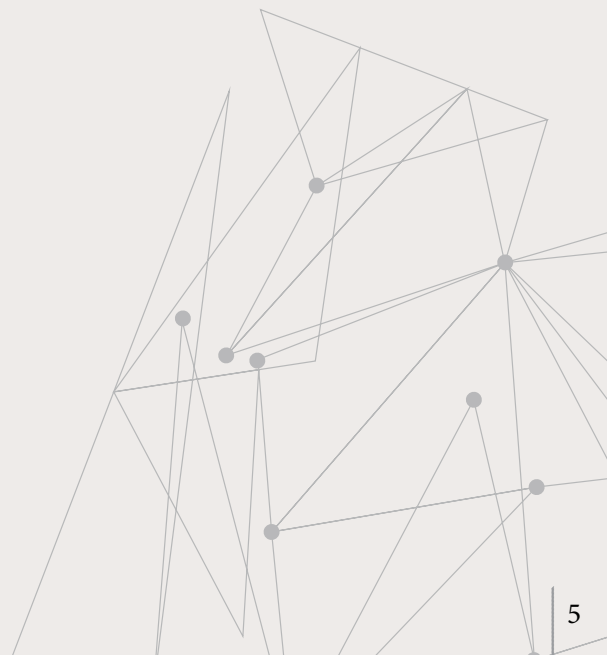
Engineering education is a response to cater to the workforce-need for the emerging technology in the socio-economic scenario. An engineer, therefore, must acquire the quality to adopt and adapt the new technology and the engineering practice need be understood as a noble profession for producing statesman, leader, and vanguard of the society. In order to achieve this, understanding the basic principles of applied sciences must be raised to desired level together with adopting scientific methods of learning and application embedded with solid traditional values lurking in the human framework.

Here in our institution we pay attention to communication skills, cultures, and student-centric innovative teaching so as to cater to the need of the developing society. The Industry-Institute Partnership Cell, Entrepreneurship Development Cell, Training & Placement Cell, NSS/NCC venture, Cultural Forums, Sci-Tech clubs are the ones that shape up the students to become truly aroused professionals.

We know that each and every individual is unique by birth. The great creator has packed everyone with immense potential. We are using it to a paltry ~2-8% presumably. It is time to believe in yourself that you can do something very special and unique. You can leave an indelible mark in the progress of our civilization by just utilizing your potential a bit more. 'Charaiveti'.



Prof. (Dr.) Biren Hazra  
Dean (Academic)





# Mission

To foster an intellectual and ethical environment in which both skills and spirit will thrive so as to impart high quality education, training and services with an international outlook and to create and develop technocrats and business leaders who will strive to improve the quality of life. Establishing a symbiotic relationship between the institution, society and community through value added education in the core is the prime objective of the society in the Chhotanagpur plateau.

# Vision

K. K. College of Engineering & Management envisages becoming World-class Centre of learning through synergic implementation of discipline, creativity and innovation in all disciplines of higher education in engineering, technology, management and applied sciences embedded with human values.

# Institution at a Glance

Name	K. K. College of Engineering & Management
Address	At Nairo, P. O. Bagsuma, P. S. Govindpur, Dhanbad (Jharkhand)
Phone No.	0326-2313277, 2313468, 06540-292877
E-mail address	info@kkcemdhanbad.ac.in
Year of Establishment	2011
Parent Society	Samajik Kalyan Sanstha
Status	Self Financed
Approval	All India Council for Technical education, Govt. of India
Affiliation	Vinoba Bhave University, Hazaribag, Jharkhand
Website	www.kkcemdhanbad.ac.in
Hostel	Boys: 400, Girls: 50
Latitude/Longitude	23° 51' N 86° 34' E





# About the COLLEGE



**K**. K. College of Engineering & Management is All India Council for Technical Education (AICTE) approved, Vinoba Bhave University (Hazaribag) and SBTE, Jharkhand affiliated, Government recognized and ISO 9001 : 2008/2015 certified Engineering College in Jharkhand. The institute has a 25.82 acre picturesque and sprawling campus/s in the lap of the nature which is just 1.7 kms away from the NH2 and 4 kms away from nearby town Govindpur and Dhanbad City (17.5kms).

In the B. Tech disciplines (Electrical, Mechanical, Civil, Electronics & Communication, Computer Science & Engg.), the 2nd batch will roll out in May-June 2016 with an excellent record of placement assistance in industries, academia and entrepreneurial domains. Together with the B. Tech, Diploma in Mechanical Engineering (Affiliated to SBTE, Jharkhand) is being run in the 2nd shift and the first batch is to roll out in 2016.

The admission processes are controlled by the Government regulatory bodies (JCECE) with various types of 'Tuition Fee Waiver' and 'Scholarship' support to the SC/ST students in particular.

- KKCEM was started in 2011
- Offering B. Tech in five engineering disciplines; (Mechanical, Electrical, Civil, Electronics & Communication, Computer Science)
- Offering Diploma in Mechanical Engineering
- Computerized Central Library
- DELNET, NPTEL, MIT (USA) ocw chapters in the Library
- Language and Phonetics Laboratory
- Bank in the campus • ATM in the campus
- Primary Health Centre in the campus
- Well managed separate hostels for boys and girls
- Amphitheatric complex
- Play grounds, indoor-outdoor sports & games facilities
- Art, Music, Recreation & Sci-Tech forums
- Campus Mart • Canteen • Transport
- Internet facility in the Wi-Fi campus
- Basket-ball and Volley-ball courts
- ERP based e-learning platform
- RO Drinking water (Best in its class)
- Smart Classroom/s
- Seminar Hall

# Basic Academic Philosophy of the **INSTITUTION**



**K**. K. College of Engineering & Management harmoniously integrate valued traditions with modern outlook and put emphasis on all-round development of students with its state-of-the-art teaching-learning system using modern technological marvels and individual care together with academic rehabilitation and orientation programmes for the newcomers.



# Highlights of the Teaching-Learning **PROCESS**



- Model Class-rooms are equipped with LCD Projectors, Public Address System, Podiums, Overhead Projectors, High Performance Computers and Wi-Fi accessibility of the Library.
- Hand-out and teaching materials are made available through ERP and Website.
- Seminars and Workshop are regularly organized to learn from the Industrial Wizards and Professors from Academia.
- Collaboration and MOU are in place with various industrial houses for strengthening Industry-Institute Conglomeration while providing 'In-Campus' and 'Off-Campus' Summer/Winter training to students.
- Unique pedagogical methods are followed in teaching-learning processes.
- Facilitating use of the 'Language Laboratory' for improving the 'Spoken English' and 'Soft-skill' apart from special 'Grooming Classes' and 'On-line' Mock-Interviews well ahead of 'Campus drive/s'.
- Regular Assignments, Unit tests, Sessional Exams, Mid-Sem and Pre-University tests are conducted for preparing the students for the End-Semester Examination of the University.
- Practice of Mini-Projects.
- Regular communication with parents regarding the performance of the students.
- Wall Magazine (Ascent), Science & Technology Club (Anvesan), Cultural Club, Sports and Games Competitions for students' regular participation and overall development.
- Regular 'Monitoring' of 'Attendance', Class performance, and 'Syllabus coverage and completion' together with high quality teaching in compliance with AICTE Guidelines are the salient features of the 'Teaching-Learning' process in KKCEM.
- Periodic meetings between the students and Trustees, Teachers & parents/Guardians are held to get feedback regarding the teaching-learning in the institute for raising the overall standard.
- Research association/membership with the renowned world-over academia is a stride for making KKCEM a Universal Institute in true sense.
- A 'High Performance Super-computing Laboratory' is in the offing for simulation and research.

# List of The Institutions Running Under The **SOCIETY**

Name and Address of the Institutions	Whether Diploma/ Degree [UG/PG]	Duration of Course	Discipline Conducted	Annual In-take Capacity	Year of Establishment	Whether approved by AICTE / Univ. / UGC / State Govt / Board / Other Council
<b>JHARKHAND</b>						
K.K. College of Engineering & Management, Govindpur, Dhanbad	B. Tech	4 Year	Mechanical, Electrical, Civil, ECE, CSE	120 60 120, 60, 60	2011	AICTE & Vinoba Bhave University Hazaribag
K.K. College of Engineering & Management, Govindpur, Dhanbad [2nd Sift]	Diploma	3 Year	Mechanical	120	2013	AICTE & SBTE, Jharkhand
K.K. Polytechnic, Govindpur, Dhanbad	Diploma	3 Year	Electrical Mechanical, Electronics, Automobile Civil	180 300 90 60 150	2006	AICTE & SBTE, Jharkhand
K.K.I.T.I. Bekar Bandh, Dhanbad	ITI	2 Year	Electrician, Fitter A/c & Ref.	4+4+4 (Unit) 4+4+4 (Unit) 1+0 (Unit)	1993	N.C.V.T. DGE & T Ministry of Labour & Employment Govt. of India, New Delhi
TATA ITI Mango, Jamshedpur	ITI	2 Year	Electrician, Fitter	3+3 (Unit) 4+4 (Unit)	2001	N.C.V.T. DGE&T Ministry of Labour & Employment, Govt. of India, New Delhi
Vishweshwaraiya I.T.C., Govindpur, Dhanbad	ITI	2 Years	Electrician, Fitter	11+11+8 (Unit) 11+11+8 (Unit) 3+3+3 (Unit)	2006	N.C.V.T. DGE&T Ministry of Labour & Employment, Govt. of India, New Delhi
K.K.I.T.I. (Campus-II) Govindpur, Dhanbad	ITI	2 Years	Electrician, Fitter, Diesel Mechanic	9+9+8 (Unit) 8+8+8 (Unit) 5+5+5 (Unit)	2006	N.C.V.T. DGE & T Ministry of Labour & Employment, Govt. of India, New Delhi
<b>BIHAR</b>						
K.K. College of Engineering & Management	B.Tech	4 Years	Mechanical Electrical Civil ECE, CS	120 60 120 60, 60	2011	AICTE & Aryabhata Knowledge University, Patna
K.K. Polytechnic Bihar Sharif Nalanda, (Bihar)	Diploma	3 Years	Electrical Mechanical Electronics Automobile Civil	180 300 60 60 180	2010	AICTE & SBTE, Bihar
K.K. Teacher's Training College	B. Ed D. El. Ed	2 Years	Education	100+ 100	2016	NCTE & AKU

# COURSES Offered

As approved by AICTE, New Delhi, Govt. of India and Department of Higher Education, Govt. of Jharkhand, K. K. College of Engineering & Management offers the following B. Tech. Degree courses with an affiliation of Vinoba Bhave University.

The Mechanical Engineering Diploma course is approved by the Govt. of Jharkhand and affiliated to SBTE, Jharkhand.

Disciplines [B. Tech]	Sanctioned Intake
Mechanical Engineering	120
Civil Engineering	120
Electrical Engineering	60
Electronics & Communication Engineering	60
Computer Science & Engineering	60
Disciplines [Diploma]	Sanctioned Intake
Mechanical Engineering	120



# ADMISSION Criteria (2016-17)

## KKCEM

### B. Tech

All the students of B. Tech will get the Scholarship up to 100% for the 1st semester as illustrated in the following table.

Board	Scholarship		
	100%	50%	25%
JCECE (RANK)	1-10000	10001-20000	
AIEEE (RANK)	1-100000	100001-200000	
10+2 CBSE (%)	Above 90%	75%-90%	60%-75%
JAC & BSEB(%)	Above 70%	60%-70%	50%-60%

### KKP, Dhanbad

- ✓ All the students will pay the fees semester-wise.
- ✓ Students taking admission in Electronics & Communication & Automobile Engineering branch will get Scholarship in tuition fee up to 100% for 1st semester as illustrated below.

Board	Scholarship		
	100%	50%	25%
Jcece (Rank)	1-10000	10001-20000	Above 20000
Jac & Bseb(%)	Above 70%	60%-70%	50%-60%

### Hostel

- ✓ Charges for Executive Hostel would be Yearly Rs.18000/-per student; ( one room - 2 students )
- ✓ Charges for general hostel would be Yearly Rs.11000/- per student; (one room - 3 students )
- ✓ Charges for dormitory would be Rs.6000/- Yearly.



### Mess (Special)

- ✓ Mess Fee: Rs. 24000/- (Rs.2000 X 12 Months) would be charged from the month of August 2016 and students may avail of the mess facility by paying Rs.12000/- (Half yearly).

### Mess (Common)

- ✓ Mess Fee: Rs.18000/- (Rs.1500 X 12 Months) would be charged from the month of August 2016 and students may avail of the mess facility by paying Rs.9000/- (Half yearly).
- ✓ To get common meal, students should bring their own utensils (Glass, Plate, & Bowl ).



## BUS CHARGES (Optional)

- (a) Transportation Fee of Rs. 5000/- per semester would be charged for 1st year students from the session (2016-17) for all routes except for Govindpur, RS More & Nairo More .
- (b) Transportation fee of Rs. 4000/-per semester would be charged for Govindpur, RS More & Nairo More .



## Brief description of all Departments & Infrastructure

### Applied Science & Humanities:

The department teaches basic subjects like Physics, Chemistry, Mathematics, English, Environmental Science and Management. These basic subjects serve as the foundation for imparting engineering education.

The department, with a galaxy of highly qualified and experienced professors, aims

- ✓ To reinforce the base of Mathematics, Physics, Chemistry
- ✓ To augment communication skill satisfying managerial and industrial needs.
- ✓ To understand the chemistry of all subjects and engineering.
- ✓ To enhance awareness in environmental issues and their remedies.
- ✓ To trigger off the innovative skills.

### Laboratories

1. Physics Lab
2. Chemistry lab
3. Language & Phonetics Lab
4. Workshop
5. Engg. Mechanics Lab
6. Engg. Graphics Lab
7. Basic Electronics Lab
8. Computer Programming Lab





## Mechanical Engineering

The Mechanical Engineering department has got a pool of qualified and experienced professors. It is known to all that from steam engine to aircrafts to rockets and everything we come across is embedded with a significant contribution from mechanical engineering aspects. Mechanical engineers are pushing the wheel of civilization ahead.

### The department aims

- ✓ To impart high quality education with interactive theoretical and practical classes together with Tour, Training & Colloquium.
- ✓ To create responsible mechanical engineers with technical and managerial competence.
- ✓ To instill an acumen for creating new machines with innovative endeavour.
- ✓ To enlighten with industrial visit and training.
- ✓ To design and simulate in dry and wet laboratories.
- ✓ To integrate other branches of engineering.
- ✓ To inculcate the zeal of pushing the nation ahead.

### Laboratories:

- ✓ Workshop  
[Machine, Fitting, Foundry & Welding, Carpentry, Sheet-metal and Black-Smithy]
- ✓ Thermodynamics Lab
- ✓ Heat & Mass transfer Lab

- ✓ Mechanics of Solids Lab [I &II]
- ✓ Machine Design Lab-Drawing
- ✓ Mechanical System & Design-Drawing lab
- ✓ Automobile Lab
- ✓ Applied Thermodynamics Lab
- ✓ Dynamics of Machinery Lab
- ✓ Theory of Machines & Design Lab
- ✓ Refrigeration & Air Conditioning Lab
- ✓ Strength of Materials Lab
- ✓ CAD-CAM Lab
- ✓ Fluid Machines Lab
- ✓ Fluid Mechanics Lab
- ✓ Kinematics of Machinery Lab
- ✓ G P Lab
- ✓ Numerical Analysis & Programming Lab
- ✓ Projects, R & D Lab.
- ✓ Advanced Research Lab: AutoCAD, Pro-E, Ansys, SolidWorks, MatLab, CATIA (External)



# Electrical Engineering

The Electrical Engineering department has got a pool of talented, highly qualified and experienced professors with industrial experience. The department has a strong industry interaction together with commitment to strengthen the students in theoretical and practical aspects. The faculty members of the department are also engaged in active research in coveted institutions.

## The department aims:

- ✓ To impart high quality education with value added industrial visits, guest lecture from industry and academia together with emphasis on Tour, Training & Colloquium.
- ✓ To establish solid foundation of basic electrical technologies.
- ✓ To instill intelligence while handling power systems.
- ✓ To simulate in advanced laboratories.
- ✓ To amalgamate other branches of engineering.

## Laboratories:

- ✓ Electrical Engineering Lab
- ✓ Electrical Machine (I + II) Lab
- ✓ Network Theory Lab
- ✓ Digital Electronics Lab
- ✓ Numerical Analysis & Programming Lab
- ✓ General Proficiency & Communication Skill Lab
- ✓ Computational Lab
- ✓ Instrumentation (I + II) Lab
- ✓ Microprocessor Lab
- ✓ Electrical Workshop
- ✓ Power Electronics Lab
- ✓ Microcontroller Lab
- ✓ Control System Lab
- ✓ Power Systems & Protection Lab
- ✓ Electrical Drives Lab
- ✓ Simulation (LabVIEW, MATLAB & SIMULINK)& PSCAD Lab
- ✓ Electrical Measurement Lab
- ✓ Projects, R & D Lab





## Civil Engineering

Civil Engineering is one of the largest branches of engineering in terms of advancement of civilization and employment. The department possesses aspiring faculty members with immense potential while providing quality education in theoretical and practical classes. Special efforts are given on training and maintaining industry-institute synergic relationship.

### The department aims

- ✓ To impart high quality education with value added industrial tours, training, colloquium, guest lecture from industry and academia.
- ✓ To establish solid foundation of basic technologies.
- ✓ To instill intelligence while handling real projects.
- ✓ To simulate in advanced laboratories.
- ✓ To amalgamate other branches of engineering.

### Laboratories:

- |   |                                    |
|---|------------------------------------|
| ✓ Field Survey Lab                              | ✓ Geotechnical Engineering Lab     |
| ✓ Building Material & Construction Lab          | ✓ Environmental Engineering Lab    |
| ✓ Mechanics of Solids Lab                       | ✓ Concrete Lab                     |
| ✓ Numerical Analysis & Programming lab          | ✓ Geology Lab                      |
| ✓ General Proficiency & Communication Skill Lab | ✓ Steel Structure Detailing Lab    |
| ✓ Fluid Mechanics Lab                           | ✓ Transportation Engineering Lab   |
| ✓ Engineering Geology Lab                       | ✓ Structural Engineering Lab       |
| ✓ Civil Engineering Drawing Lab                 | ✓ Foundation Engineering Lab       |
| ✓ Field Survey                                  | ✓ Concrete Structure Detailing Lab |
| ✓ Water Resource Engineering Lab                | ✓ Projects, R & D Lab              |

# Computer Science & Engineering

The department of CSE has been playing the pivotal role in establishing connectivity, development and teaching in branch - specific domains since the day of inception. It is having highly intelligent and qualified faculty members and administrative personnel who work relentlessly for establishing the campus to be vibrant with respect to availability of Wi-Fi and completely networked administrative ERP system apart from imparting systematic theoretical and practical classes. The branch also looks after the basic aspects of 'Placement Assistance Cell' of the institute.

## Laboratories:

- ✓ Computer Programming Lab
- ✓ Numerical Analysis & Programming Lab
- ✓ Compiler Design Lab
- ✓ Data Structure Lab
- ✓ Digital Electronics Lab
- ✓ General Proficiency Lab
- ✓ Analog Electronics Lab
- ✓ Communication Engineering Lab
- ✓ DBMS Lab
- ✓ Operating System Lab
- ✓ Microprocessor Lab
- ✓ Software Engineering Lab
- ✓ Computer Organization Lab
- ✓ Soft Computing Lab
- ✓ Computer Network Lab
- ✓ Advanced Programming Lab
- ✓ Artificial Intelligence Lab
- ✓ Web Designing & Technology lab
- ✓ Computer Graphics Lab
- ✓ Advanced Java lab
- ✓ Simulation Lab
- ✓ System Administration Lab
- ✓ Visual Programming Lab
- ✓ UNIX & Shell Programming lab
- ✓ Algorithm Lab
- ✓ E-Commerce Lab
- ✓ Cloud Computing Lab
- ✓ R & D Lab



# Electronics & Communication Engineering

The present day dominant force is the revolution in Electronics Engineering and Communications. The advancement in microelectronics, satellite communications, fibre optics, analog and digital systems, power electronics etc. have given birth to a new 'Digital Era'. The department is having highly qualified faculty members with industrial experience. Apart from systematic theoretical teaching, balanced practical classes are conducted in highly equipped laboratories. Students of the ECE department get placed on the basis of their merit in the ever expanding industries now.

## The department aims

- ✓ To impart high quality education with value added industrial tours, training, colloquium, guest lecture from industry and academia.
- ✓ To establish solid foundation of basic technologies.
- ✓ To instill intelligence while handling real projects.
- ✓ To simulate in advanced laboratories.
- ✓ To amalgamate other branches of engineering.
- ✓ To prepare the students for availing of opportunities in top-class national MNCs.
- ✓ To utilize the theoretical concepts and well equipped laboratories for imparting balanced technical education in the pursuit of excellence.

## Laboratories

- ✓ Basic Electronics Lab
- ✓ Digital Electronics lab
- ✓ Network Theory Lab
- ✓ Numerical Analysis & Programming lab
- ✓ Data Structure Lab
- ✓ General proficiency lab
- ✓ Analog Electronics Lab
- ✓ Semiconductor Lab
- ✓ Instrumentation Lab
- ✓ Communication Engineering Lab
- ✓ Digital Communication lab
- ✓ Microprocessor lab
- ✓ Control System Lab
- ✓ Computer Organization Lab
- ✓ Digital Signal Processing Lab
- ✓ Microwave Engineering Lab
- ✓ Computer Network Lab
- ✓ Digital Signal Processing Lab
- ✓ VLSI Lab
- ✓ Power Electronics Lab
- ✓ Measurement Lab
- ✓ R & D Lab



# Services & FACILITIES

## Eco-friendly Wi-Fi learning environment in the sylvan campus

### Central Library (Computerized) with Internet access and reading halls

- ✓ Fully automated circulation of books
- ✓ Digital audio-video library with e-books and video lectures
- ✓ DELNET access
- ✓ NPTEL & MIT (USA) ocw access, Video Library
- ✓ Photocopying facility
- ✓ Accessibility of 50, 000 volumes
- ✓ Availability of thousands of educational CD-DVD ROMs
- ✓ Journal Section (National & International)
- ✓ IEEE access
- ✓ Periodicals
- ✓ News Papers
- ✓ Reading Hall
- ✓ Departmental Libraries

### State-of-the art Language & Phonetics Laboratory

- ✓ Interactive computer aided communication system
- ✓ Interactive software and integrated learning system
- ✓ Individual user console for the students
- ✓ Multimedia support
- ✓ Internet support
- ✓ Speech engine tool for improving competence in communication
- ✓ Soft skill development facilities
- ✓ On-line mock interview facilities

### Seminar Hall

- ✓ State-of-the art Seminar hall with Computers, LCD, Audio-Video systems

### Research & Development Centre

- ✓ High Performance super-computing laboratory
- ✓ Attachment with International research forums & Universities
- ✓ Accomplishment of DST project/s
- ✓ Simulation Laboratories
- ✓ Guidance for research leading to Ph. D
- ✓ Development of own Operating system
- ✓ Development of hard disk less computers
- ✓ Development of own simulation software packages
- ✓ Seminars on Robotics and allied disciplines of science & engineering

### Supercomputing Centre:

- ✓ This high performance supercomputing centre contains both the homogeneous and heterogeneous clusters for parallel processing necessitated by simulation and research. Dedicated servers with allied software and backbone are made available for accomplishing project works also.



## Campus LAN

More than 500 computers on LAN  
Internet accessibility from any computer (Wi-Fi)  
Latest Servers & 'Workstation/s'  
Managed switches & OFC

## Hostels:

Two Boys' hostels and one Executive hostel are available in the College Campus. The accommodation in the hostels has been increased from 250 to 400 at the moment with the Construction of a new hostel (on the verge of completion). Girls' Hostel is situated in Dhanbad. A new Girls' Hostel is on the verge of completion in the College Campus itself. The hostels are having a Power back-up, Wi-Fi Internet facility and a team of Superintendent, Wardens and Security personnel are available for looking after the students all 24 hours. Since the seats are limited, allotment is done on first-come-first served basis.

## Staff Quarters:

In-Campus Staff Quarters is available while a new four storied building is also on the verge of completion. The Quarters are also having a Power back-up for all 24 hours. Security personnel are active round the clock in the campus.

## Function & Event details:

Cultural programmes like Freshers' welcome, Farewell Programme, Annual Function, Tech-Fest, 26<sup>th</sup> Jan & 15<sup>th</sup> Aug Celebrations, Annual Sports oriented regular programmes are the usual ones, apart from regular Kavi Sammelan, Spiritual Sammelan, NCC Programmes, Blood donation camp etc., organized and participated by the students and staff members of the KKG family.





## Sports

The college provides facilities to students for pursuing a wide range of sporting activities in the campus. The outdoor facilities include Football, Cricket grounds, Volley ball, Basket ball, Badminton courts and Indoor 'Common Room' (Recreation hall) for Table Tennis, Chess, Carom etc.

## Health care

A medical unit is available in the campus besides arrangements with nearby hospitals. On call 'Ambulance' facility is also available.

## Campus Mart

The 'Campus Mart' provides books, stationary items, dresses, together with reprographic facilities. Attached with this, a Cafeteria and 'Food Centre' are also available for all incumbents of the campus.

## Bank and ATM:

The campus is having a branch of 'Bank of India' and its ATM facility for all.

## Amphitheatre

A state-of-the-art 'Amphitheatre' has been built for the cultural activities of the students.



## Training & Placement Cell

The T & P Cell acts one of the pivotal interfaces to the 'Corporate sector' and helps developing industry-academia interrelationship. The cell looks after the industrial training of the students as per curriculum requirement and help them earning hands-on experience together with introduction to professional environment. Faculty members of respective departments are also sent to industrial units for taking feedback during the training of the students. This cell organizes professional orientation and grooming programmes together with mock interviews and summer internship apart from looking after 'Performance Feed-back', 'Project Report' and 'Viva-Voce'. 'In-Campus' and 'Off-Campus' placement opportunities to students are also taken care by this department.

## Guidance & Counseling

This cell guides and counsels the students to get psychologically boosted. In order to expedite the adaptability in the learning environment, the 'mentor-mentee' system has been put in to practice by which a group of students is assigned to a faculty member for overall assistance and regular monitoring.

## Industry Interaction Cell

Regular interaction with the industries is organized through seminars, lectures, and workshop/s. In addition to expanding the students' knowledge database, all these aspects help them build vital relationship with the corporate and non-corporate sectors. Also, Entrepreneurship development aspect is specially emphasized by this cell.





# Our **TRAINING** & **PLACEMENT** Partners



- ✓ Usha Martin Jamshedpur
- ✓ Tata Steel Jharia Collieries
- ✓ CPWD ISMU Project Division
- ✓ CSIR Dhanbad
- ✓ Railway Loco Shed Gomoh
- ✓ Auto Profile Jamshedpur
- ✓ SAIL Bokaro
- ✓ Ashok Leyland Dhanbad
- ✓ CTPS Chandrapura
- ✓ Jindal Patratu
- ✓ TATA Motors Jamshedpur
- ✓ CLW Chittaranjan WB
- ✓ BCCL
- DVC Maithon
- CIMFR Dhanbad
- SAIL Gua Ore Mines
- DVC Panchet Hydel Power Station
- JMA Store Limited TATA Motors
- Reliable Industries Katras Road Matkuria
- VOLVO Dhanbad
- HEC Ranchi
- PTPS Patratu
- ITDR Jamshedpur
- MTPS Bankura WB
- MPL



# Functions







## Contact us

### City Office

Manoram Nagar, BekarBandh,  
Dhanbad – 826001, Jharkhand.

### Campus

### **K. K. COLLEGE OF ENGINEERING & MANAGEMENT**

Nairo, Govindpur, Dhanbad, Jharkhand

Phone: 7091193041, 7091193018

E-mail: [admission@kkcemdhanbad.ac.in](mailto:admission@kkcemdhanbad.ac.in)

Website: [www.kkcemdhanbad.ac.in](http://www.kkcemdhanbad.ac.in)

**TOLL FREE NO. - 1800 - 120 - 2231**

