Placement Brochure 2011

College of Engineering and Technology
(A Constituent College of BPUT)
Government of Odisha
Bhubaneswar
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The College of Engineering & Technology, Bhubaneswar was established by the Government of Orissa in 1981 to meet the growing technical man power need in the State. It was a constituent college of the Orissa University of Agriculture & Technology, Bhubaneswar. After creation of a Technical University for Orissa State, the college has become a constituent college of Biju Patnaik University of Technology (BPUT), Orissa with effect from 09th July, 2002 as per section 37(1) of BPUT Act, 2002. The college offers a five-year Under Graduate degree courses in Architecture (B.Arch.) and four-years B.Tech. degree in Biotechnology, Civil Engineering, Computer Science & Engineering, Electrical Engineering, Fashion & Apparel Technology, Information Technology, Instrumentation & Electronics Engineering, Mechanical Engineering and Textile Engineering. A three year Post Graduate course, Master in Computer Application (MCA) is also offered. In addition to the above courses M.Tech. courses in Structural Engineering (in the Department of Civil Engineering), Computer Science & Engineering, Information Technology and Industrial Engineering & Management (in Mechanical Engineering Department) have been running from Academic Year 2005-06. M.Arch. was started from the academic session 2007-08. Two Centers viz; Center of Mechanics & Center of Microelectronics are also offering M-tech courses in CET.

Vision
To emerge as a global leader in technical education.

Mission
To generate on a sustainable basic quality technical human resources commensurate with the dynamic global scenario.
Why Recruit @CET

Survival of the Fittest

Of the 85,000 students who take the Odisha Joint Entrance Examination (OJEE) of which only the top 500 make into CETb. This highly rigorous procedure ensures that only the best of the best make it to CET, Bhubaneswar.

Ranking

The excellence of CETb’s education has been time and again recognized by the various surveying agencies. The most recent survey conducted by Indian Express puts CETb in top 50 Govt. colleges in India & in Odisha for OJEE as the best option.

An Educational Hub

CET provides a common platform to develop both as professional and person as a whole as it has been dedicated to the service of nation for last 30 years since its established.

CETb Culture

If there’s any thing that has remained intact throughout the 30 years of establishment of CET Bhubaneswar, it is the spirit of CETb. Its this spirit that CETians imbibe and carry forward wherever they go. The hallmark of this spirit has been not to walk on the path already taken but to establish in routes, to take the less trodden path and be the first to respond to the needs of the people and the nation.
On behalf of College of Engineering and Technology, Bhubaneswar it is my pleasure to welcome you to this beautiful campus. This Institute has been known for its hospitality for more than three decades, and we strive hard to keep up the tradition.

It’s in fact a matter of great pride for me to state that CET has emerged as a brand in itself and attracts the best talents from not only within the states but from all over the country. It’s indeed a pleasure to note that the college attracts the best students to its fold through the JEE conducted by Govt. of Odisha and this institute is the first choice out of all colleges of Orissa, be it engineering, architecture, or MCA. Teaching the cream students pose a challenge before the faculty as they have the task of transforming these good students into skilled technocrats and a better person. The qualities and skills that the students imbibe here empower them to work in a global environment.

Whether you have regularly recruited our graduates and post graduates, or you are visiting us for the first time, I am sure you will find our students very competent and you will visit us again, year after year. We look forward to a warm and enduring relationship.

Prof (Dr.) S.P. Mohanty
Principal
On behalf of College of Engineering & Technology, Bhubaneswar, it’s my pleasure to extend a most cordial invitation to you to participate in the campus recruitment programme of our college. It’s my privilege to mention that since 30 years intelligence, motivation, dedication and total commitment has been the trademark of the students of CET. Over the years the institute has consistently attracted the best talents of the state of Odisha. The students securing general rank below 700 get admitted into this institution is through the Joint Entrance Examination conducted by Govt. of Odisha. The institute is an Government college and a constituent college of Biju Patnaik University of Technology.

The highly qualified faculty members not only provide a solid grounding in the academic theories and concepts of their speciality but also provide the students with greater insights into the practical issues and challenges currently facing their discipline. The attached students profile showcases the consistently excellent academic career of the students. The academic programme and curriculum provides every CETian with an optimum mix of technical as well as managerial skills, which makes them an invaluable and irreplaceable asset to any company they work for.

The institute has its 30 years of glorious history in producing quality engineers. Not surprisingly a good number of our alumni are occupying key positions in various reputed organisations within India and abroad.

Hence we expect a very good response from your reputed organisation and will be pleased to provide you our sincere and loving hospitality which has been our tradition since the past 30 years.

Prof. (Dr.) S.K. Pradhan
PIC, Training & Placement cell
The College is spread over an area of 100 acres carpeted by lush green cover and extendable upto 150 acres. Since its detachment from OUAT its infrastructure is gradually growing & growing which has inspired students to strive for excellence over the last decade. There are two hostels and a luxurious staff quarter inside the campus. Also there is a Student Activity Center for the allround development of students.

The college has more than 300 computers out of which there exists a Central Computing facility having 150 Computers with Linux LAN connectivity through Servers. The college has Internet connectivity from BSNL of 10 Mbps (1:1) leased line with Fibre Optic End point connectivity.

Being the constituent college of BPUT there are two University centers to facilitate additional curriculum to its students viz;

- Center Of Microelectronics, BPUT
- Center Of Mechanics, BPUT
Our Departments
Bachelor Programmes

- CSE
- IT
- ELEC
- MECH
- I&E
- CIVIL
- FASHION
- TEXTILE
- BIO-TECH
- ARCHITECTURE

MCA
M-TECH

- INDUSTRIAL ENGG.
- STRUCTURAL ENGG.
- IT
- CSE
<table>
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<td></td>
<td>Starting</td>
<td>Ending</td>
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<td>Mechanical Engineering</td>
<td>250</td>
<td>580</td>
<td>247</td>
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<td>120</td>
<td>428</td>
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<td>34</td>
<td>231</td>
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<td>734</td>
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<td>4320</td>
<td>14021</td>
<td>4393</td>
<td>15533</td>
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<tr>
<td>Fashion Technology</td>
<td>7012</td>
<td>17021</td>
<td>6509</td>
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The department introduces to the discipline of design & physical planning in response to human needs, cultural values & technological concerns. Well equipped computer labs with software like AUTOCAD, 3D max 6, corel draw 12, Photoshop for graphics & modern scanners, copiers, CAD tools, complete photography labs are available. Faculties are specialised in urban design, landscape architecture, city planning, architecture conservation etc. National association of students of architecture (NASA), zonal NASA conventions Kodak sponsored workshop had been organized. Students participate in various workshops & event successfully.

Projects undertaken by Students

- Forensic Lab
- Science park
- Community center
- Fivestar hotel & report
- National Institute of Fashion Technology
- Old age home
- Management Institute

Software exposure

- Revit
- Rhino
- Maya
- AUTOCAD
- 3d Studio Max
- Corel Draw
- Adobe Photoshop
- Google Sketchup
- Solidworks
Department of Biotechnology came into being in the year 2007 with its main aim of producing qualified and dynamic engineers in the fast growing field of Biotechnology. The department has since then profoundly achieving its preset goals with promising research activities in Biotechnology. The department comprises of a number of highly qualified faculties from different disciplines to fulfill the multidisciplinary objective of its various programs. For its program it provides state of art laboratory, well developed library, fully equipped digital library and internet access to its students and faculties. Biotechnology has emerged as the promising technology of the 21st century. The Biotechnology has a tremendous impact in the area of agriculture, environment, medicine, food and other industries. Keeping this in mind, the courses has been designed to train the students in developing expertise in various aspect of Biotechnology including Microbiology, Immunology, Molecular Biology and Genetic Engineering.

Projects undertaken by Students

- Biomediation of diesel
- E waste management
- Phosphate solubilizing bacteria as bio fertilizer
- Immunology project on fish

Software Exposure

- C, C++
- CLUSTAL X, W
- VISUAL DYNAMICS
- ARGUS LAB
- CHIMERA
It is one of the oldest department of the college since its inception in 1981. The department with its full fledged technical manpower includes faculties from almost all specializations and is striving with a vision to achieve excellence in academics. The department aims at developing professional that can face the real life problem with application of the technology. The department is the state technical agency (STA) approved by National Rural Road Development Agency (NRRDA) New Delhi for estimation checking and quality control inspection rural road projects. The department has started M.Tech programme in the specialization of Structural Engineering since July 2005. In recent years, the students have been well placed in various Central Govt., Public Sector and Private Sector organizations both in core as well as software.

Projects undertaken by students

- Fem. application in solving structures
- Ductility requirement for earthquake resistant structures
- Earthquake resistant design of multi story structures
- Remote internet server for cable stayed bridge
- Analysis of ground water pollution
- Application of neural network in traffic study
- Turbidity study of ground water

Software Exposure

- C
- C++
- AutoCAD
Science establishment of department in 2001, department has shown constant pursuit of excellence and in both B.tech & M.tech. The department having cohesive team of highly qualified, professionally competent, well recognised faculty endeavours to produce IT experts to fulfill the requirement in IT sectors. The dept. has undertaken AICTE projects on MODROB twice & conducted short term training programme on advance topics sponsored by AICTE & Govt. of Odisha. The department lays stress on practical & application based aspects through laboratories, seminars, group discussions & project work.

Projects undertaken by Students

- System programming
- Assembler design
- Compiler design
- Design of the operating system
- Computer network simulation
- Artificial intelligence
- Image processing
- Neural network
- Robotics
- Web based designing
- College automation system
- Bio-informatics

Software Exposure

- C, C++, C#
- VC++
- Visual basic
- Visual basic .NET
- JAVA
- ASP
- .NET
- ORACLE 9i
- WINDOWS, LINUX, UNIX
- MATLAB
The Electrical engineering dept. focus on utilizing its unbound resource to craft creative solutions to real world problems. The students are updated on the leading edges of technology driven by a faculty specializing in and conducting original work on power systems, high voltage engg., microprocessor systems and applications, control and automation engg., power electronics and telecommunication networks. Software engg. is minutely interwoven in the curriculum students working in the EDA MATLAB on electric range of projects from super market automation system to credit loss system to transmission line loss calculations. The students join research efforts in the lab and in the industrial workspace. The flexibility of the curriculum allows for lateral subjects which make complete engineers out of the students.

Projects undertaken by Students

- DC motor speed control by using fuzzy logic
- Load distribution using neural network
- Microprocessor based Impedance relay
- VLSI design of multiplexer and multiplier
- Electrostatic generator
- CAD of a transformer
- System identification Fault diagnosis
- High voltage measurement device

Software Expose

- C
- C++
- MATLAB
'Fashion' the most dynamic in its form, which always been a primary focus for the generation. To meet this everlasting demand with a vision that one design/idea can change the trend of a generation. The department ‘Fashion and Apparel Technology’ was setup in the year 2006 in C.E.T., Bhubaneswar. The department sought to showcase the trends in innovating clothing with integrated supplementary functions. The later is the physical property of the garment which dramatically change the way we usually look at a normal garment or is called a hi-tech garment, e.g. Electrodiogram(ECG) Tank Top, Optical Fiber Cloth, Seamless, Formotion, Clima, Playwarm, Playdry, 3D Ultrlite, DMX foam, DMX shear, Xstatic, KinetiFit, Hexride, Smoothfit etc.

Projects undertaken by Students

- Weft break control
- Reduction of lead time
- Loom utility

Software Exposure

- CAD
- Auto CAD
- FASHION STUDIO
The department was set up in a view to provide young brains with technical know how in the field of software engineering and meet the ever increasing demand of the industry for the premium quality software engineers. Since establishment in 2001 it has come a long way to establish itself. It has well equipped laboratories with sophisticated systems, state of art software & 24 hour internet connectivity. The department boasts highly qualified, technically skilled faculties who are dedicated & sincere to their duty. Latest developments in the field of I.T. such as Bio-informatics, J2EE, Artificial Intelligence and communications are offered as elective to students. The department produces exceptional talents along with giving directions to budding talents.

Projects undertaken by Students

- Dbms application C,C++,C#
- Compiler Design
- Design of the Information system
- Network simulation
- Artificial Intelligence
- Image processing

Software Exposure

- COBOL
- JAVA
- ASP
- .NET
The Instrumentation and electronics department of CET showcase the best talent of Odisha. It caters to the ever growing demand for the skilled and competent professional in the field of electronic engineering. The microprocessor, PC, Process control and Instrumentation and device labs provide right kind of exposure to the student. The dept. also possesses an in-house computer hardware lab & PC lab, these facilities keep the students abreast with the recent developments in the field of information science and engineering. Projects dealing with designing of software packages enhances their practical skills and helps them to encounter real life situation with an equal ease.

Projects undertaken by Students

- PC based robotic arm movement
- Automated guided vehicle
- Control system application in moisture control of soil
- Terminal velocity determination
- PC based vibration measurement
- PC based robotic pat finder
- Electronic voting machine
- Image, Speech and fingerprint identification

Software exposure

- REVIT
- RHINO
- MAYA
- AUTOCAD
- 3D STUDIO MAX
- COREL DRAW
- SOLIDWORKS
- ADOBE PHOTOSHOP
- GOOGLE SKETCHUP
The department of mechanical engineering since its inception in 1981 has constantly grown to specialize in fields like machine dynamics, machine design, thermal and fluid sciences, control systems, FMS and Industrial engineering and management. Keeping pace with times student have also acquainted themselves with techniques like FEM, CFD etc. The mechanical lab has a number of equipment like FET machine analyser, UTM 150 KN, FMS machine. The mechanical workshop has a number of equipment like NC/CNC machines in its different subsections. A number of research projects funded by AICTE are undergoing in the department and a large number of graduation schemes are on the anvil, funded by AICTE. Also the department has started M-tech program in industrial engineering and management from 2005. The students have also endured to complete summer projects in prestigious institution like IISc, IIT, NIT, IMMT etc. The department also houses the Centre For Mechanics of BPUT. The center has also signed an MoU with RSB group to foster cutting edge research among students.

Projects undertaken by Students

- Flexible manufacturing system
- Mobile robot
- Design and performance analysis of catalytic converter
- Measurement and control of vibration system
- Solar refrigeration by vapour absorption
- Automation of material handling system

Software Exposure

- AUTOCAD
- Spice electric design software
- NISA
- ANSYS
- MATLAB
Science the advent of human civilization textile materials are being used in various applications in modern world. Here in the Textile Engineering Department, CET Bhubaneswar, we strive to become a leading education centre for providing the highest quality technical education to the students in the ancient field of textile engineering to carry forward the development of Textile education and serve the industry and society through excellent education, training programs, Intensive interaction with industry and highest quality research which would prove to be a benchmark for other universities. We aim to arm our students with the highest quality of education and inculcate great values in them through which they would develop an attitude to strive for excellence in their efforts in the vast field of textile which prove beneficiary for human society and bring laurels to the country.

Projects undertaken by Students

- Application and implementation of functional or technical textile in daily life
- Study of Moisture Management and Transport of water through fibres in a fabric
- Study on best Management Practices for Pollution Prevention in textile industries
- Study on Chemical finishing in an Environment Friendly way
- Application of Nano Technology in the field of Textiles

Software Exposure

- Autocad
- Richcad
- Photoshop corel
The department of computer science & application offers post graduate course in M.C.A. being a past graduate course, the student of M.C.A. also are engaged in Research & Development department of an organization. It is purely application based course, which trained students in latest softwareskill. The department offers a state of the art lab with myriad of software installed in the computers along with Internet facilities. Seminars are arranged in regular intervals to competent software professional has shown constant pursuit of excellence & in both B.Tech & M.Tech. The department having cohesive team of highly qualified, professionally competent, well recognised faculty endeavours to procedure IT experts to fulfil the requirement in IT sectors. The department has undertaken AICTE projects on MODROB twice & conducted short term training programme on advance topics sponsored by AICTE & Govt. of odisha.

Projects undertaken by Students
- Embedded system design
- 3D circuit design
- Compiler design
- Design of the operating system
- Computer network simulation
- Artificial Intelligence

Software Exposure
- C, C++, C#
- VC++
- Visual basic
- Visual basic.NET
- JAVA
- ASP
- .NET
- ORACLE 9i
- WINDOWS, LINUX, UNIX
- MATLAB
The Department of T & P, headed by a senior faculty member manages placement activities and relations with industrial groups and research organizations. The department works in close coordination with a student placement committee. The student placement body consists of one member chosen from each department of B.Tech course and one representative from MCA. The placement committee corresponds with the prospective recruiters, arranges Pre-placement talks and workshops and provides all the facilities required by the visiting companies. Building a campus presence CETb offers you as a recruiter a number of opportunities to connect with the students on the campus and make you presence felt.

Pre-placement Talks (PPTs)
The pre-placement talks are presentations organized by the company on the college campus. Over the years, they have become the primary forums for company-student interaction. These talks give the student a chance to learn more about your company, your people and your work culture. The students can also learn about the opportunities for growth, learning and advancement that your company offers. They can also form a first-hand impression of your company and can make an informed decision about applying for the placements. We have over the years found that senior executives are the most effective in delivering the PPTs and also making a strong statement of commitment to recruiting from this institute. The PPTs can take place on any mutually convenient day. If the company wishes to display some promotional material on campus, the final form of the material can be sent to the Placement Office, which will arrange for its display.

Sponsoring Projects/internships
Projects/internships are an integral part of the academic curriculum at CETb. Over the years, many students have taken up projects on various areas of Engineering with different organizations. This provides the students involved a basic understanding of the company's operations. It also creates awareness about your company's profile among students and the faculty.
Companies Participated In Recruitment (2010-11):

- JSL
- ADANI POWER
- KK BIRLA GRP (PPL)
- MARUTI SUZUKI
- HONDA MOTORS
- SAPOORJI & PALOONJI
- PETRON ENGINEERING CONSTRUCTN
- L&T ECC
- ALOK INDUSTRIES
- J K PAPER LIMITED
- INDO US MIM
- PRADAN NGO
- HCL
- WIPRO
- WIPRO VLSI
- EXPO NETHAWK
- VYOM LABS
- KALINGA SOFT
- TATA POWER
- ADITYA BIRLA GROUP
- ESSEL MINING (ADITYA BIRLA GRP)
- ASHOK LEYLAND
- AMW
- RSB IDESIGN
- NAGARJUNA CONSTRUCTION COMPANY (NCC)
- L&T IES
- ITDC
- CCCL
- L&T IES
- TCS
- TATA STEEL
- CAPEGEMINI
- HALWET PACKARD
- TALENT BEAT
- MINDFIRE SOLUTION
They were Here

Sasikant Mohanty
Project Manager, ERP COE
GE-Health Care

Sudhansu Sekhar Naik
Hardware Engineer
Global Development Centre
Cisco System

Debasmit Mohanty
Vice President - Risk Management
City Bank

Sunil Kumar Mishra
AGM, Suzlon Energy

Sandeep Kumar Dash
L&T

Rakesh Agarwal
Training Head
Accenture

Saroj Kumar Sahoo
Senior Deputy Manager
L&T Power

Ramnam Sabat
Mahindra & Mahindra

Manoj Swain
Standard Chartered Bank

Srijat Mishra
CEO
Kalinga Soft

Shakti Mahapatra
Brittania

Debi Rath
Cognijant Technology Services

Debabrata Dash
Tata Motors
Bhubaneswar, The lord of universe is the capital of Odisha. In Bhubaneswar, Siva is known as Tribuvaneswar or "Lord of the Three World", from which the city derives its name. Besides being the capital of ancient Odishian style, this "Temple Metropolis of India" is a perfect blend of the traditional and the modern. The city boasts of rich cultural heritage with a large number of temples belonging to different eras sprawling across its length and breadth. Architectural monuments like Khandagiri, Udayagiri, Shanti stupa, bearing the relics of the great emperor Ashoka add to its grandeur.

The rapid pace of development that city has witnessed over the past few years in the IT sector has brought it into spotlight. The rapid insurgence of computer and management institutions in the state creates the perfect ambience for the success of a technocrat. The eco-friendly and fast growing city calls forth the melange of east, tradition and talent, culture and creativity, science and technology in the right proportion and C.E.T being the centre of all technical studies is the image of it.
Student Coordinators

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