

ANNUAL REPORT - 2018-19



COLLEGE OF ENGINEERING & TECHNOLOGY, BHUBANESWAR

(An Autonomous and Constituent College of BPUT, Odisha)

Techno Campus, Ghatikia, PO: Mahalaxmi Vihar,

Bhubaneswar, Odisha, India, Pin.: 751 029

Tel.: 0674 - 2386075 (O), Fax.: 0674 - 2386182

E-mail: principalcet@cet.edu.in

Website: www.cet.edu.in

CONTENTS

Incumbency Chart of Principals
Introduction
Organization
Governance
Goals, Vision, Mission and Strategies
Status of NBA, NAAC, UGC Autonomy, and TEQIP-III etc.
Objective of the Institution
Administration Hierarchy
Professors-In-Charges (PICs)
Academics
Programmes Offered and Capacity:
Centre of Excellence
Infrastructure and Facilities
Hostel Accommodation
Medical Facility and Tie-up with Hospital
Residential facility for Faculty and Staff
Library
Laboratory Facilities/ Computer Centre
Central Computing Facility-I and Facility-II
Central Internet Facility
Wi-Fi Facility
Independence Day Celebrations
Republic Day Celebrations
Faculty and Staff Positions: Sanctioned Intake and Actual Intake:
Faculty Activities
Award and Recognition
R&D Achievements:
Conference Held:
Consultancy Projects in-hand:
Start-ups and Innovations:
Linkage with Industry:
Collaborative Activities:
Training Activities: Student, Faculty, Teaching and Non-teaching Staff
Student Strength (UG, PG, PhD): Sanctioned Intake and Actual Intake:
Student Activities
Scholarship
Training & Placement
Summer Internships
Intra- and inter-cultural festivals
Sports Activities
Sports Prize in the Year 2018-19
Soft Skill Development Facilities
Department-wise GATE Qualified Data
Examination and Evaluation System
Financial Information of CET, BBSR
Financial Information of TEQIP-III

Incumbency Chart of Principals:

| Sl. No. | Name | Period | |
|---------|---------------------------|------------|------------|
| | | From | To |
| 1. | Prof. S. K. Misra | 30.03.2004 | 09.12.2007 |
| 2. | Prof. B. B. Patra (l/c) | 10.12.2007 | 08.05.2009 |
| 3. | Prof. K. C. Biswal | 09.05.2009 | 15.05.2010 |
| 4. | Prof. S. K. Misra (l/c) | 16.05.2010 | 31.01.2011 |
| 5. | Prof. B. B. Patra (l/c) | 01.02.2011 | 28.02.2011 |
| 6. | Prof. S. P. Mohanty (l/c) | 01.03.2011 | 10.08.2011 |
| 7. | Prof. P. K. Hota | 11.08.2011 | 10.08.2013 |
| 8. | Prof. S. P. Mohanty (l/c) | 11.08.2013 | 31.12.2014 |
| 9. | Prof. L. N. Panda (l/c) | 01.01.2015 | 14.02.2015 |
| 10. | Prof. P. K. Patra | 15.02.2015 | cont. |

Introduction:

The College of Engineering & Technology (CET), Bhubaneswar was established by the Government of Odisha in 1981 to meet the growing technical man power need in the State. It was a Constituent College of the Odisha University of Agriculture & Technology, Bhubaneswar since inception. After creation of a Technical University for Odisha State, the College has become a Constituent College of Biju Patnaik University of Technology (BPUT), Odisha with effect from 09th July, 2002 as per section-37(1) of BPUT Act, 2002.

The college is located in the techno-campus (an area of more than 100 Acres) at Kalinga Nagar, Bhubaneswar about 2.0 kms. away from Khandagiri-Udayagiri caves. The college was shifted to the new techno campus in March, 2001. 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. Out of the above nine B. Tech. programmes, four courses like biotechnology, computer science & engineering, information technology and fashion & apparel technology are running as self financing courses (SFC). 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 and Industrial Engineering & Management (in Mechanical Engineering Department) have been running from Academic Year 2005-06. Master degree programme in Architecture i.e. M. Arch. and M. Tech, Information Technology have been

running from the academic session 2007-08. All these master programmes are running as Self Financing Courses/Self Financing Program (SSB).

In the academic year 2013-14, three new PG programmes, i.e. M. Tech. in Power System Engineering (in the Department of Electrical Engineering), Electronics & Instrumentation Engineering (in the Department of Instrumentation & Electronics Engineering), Biotechnology (in the Department of Biotechnology) and 02-years M. Sc. in Applied Chemistry (in Chemistry Department) started as regular courses.

In the academic year 2014-15, Odisha State Govt. introduced nine new PG programmes i.e. M.Tech. in Water Resources Engineering (in the Department of Civil Engineering), Geotechnical Engineering (in the Department of Civil Engineering), Power Electronics & Drives (in the Department of Electrical Engineering), Energy System Engineering (in the Department of Electrical Engineering), Electronics & Communication Engineering (in the Department of Instrumentation & Electronics Engineering), Signal Processing Engineering (in the Department of instrumentation & Electronics Engineering), Thermal Engineering (in the Department of Mechanical Engineering), Design & Dynamics (in the Department of Mechanical Engineering), Textile Chemical Processing (in the Department of Textile Engineering) as regular courses. Also 5 M Sc courses and M. Sc. integrated courses like 05-years integrated M. Sc. in Mathematics and Computing, 02-years M. Sc. in Mathematics and Computing, 05-years Integrated M. Sc. in Applied Physics, 02-years M. Sc. in Applied Physics and 05-years Integrated M. Sc. in Applied Chemistry were introduced from the academic year 2014-15 as regular courses. From the academic session, 2015-16 4 yr. Bachelor degree course on B. Plan and 2 yr master degree course, M. Plan. have been introduced. Also the intake of B. Tech. (Textile Engg.) has been increased from 30 to 60.

During its journey in last 36 years of its inception towards progress, CET now stands a top with its unique distinction of producing thousands of innovative brains who have been serving the globe holding many key positions in various Industry, service, production and R&D sectors. The graduates of this institute are well appreciated by the service sector employers all over the country because of their excellent past academic records, best field performance and sincerity and dedication in duty. This college is the only Govt college in the eastern region of the country to offer technical education in 12 various courses and programmes in Engineering, MCA, planning and architecture, which is the highest in number. Being a leading college in the Capital, it has always been the 1st choice for admission for thousands of JEE applicants. CET is one of the two institutes of the State for getting TEQIP-III fund allocation of Rs 15 crores within a span of 5 years towards strengthening and improving teaching learning process under world bank funding.

Organization:

This Organisation (i.e., CET) is a constituent college of Biju Pattanaik University of Technology (BPUT) and is governed by the Act and Statutes of BPUT and Government of Odisha. It is located in the city centre of Bhubaneswar, the capital of Odisha. It is located near to downhill of Khandagiri and Udaygiri, two historical monuments with rich cultural background of Odisha.

Governance:

The college is a constituent college of BPUT and is governed by the Act and Statutes of BPUT and Government of Odisha.

Nature and extent of involvement of faculty and students in academic affairs/improvements is very high degree always. The college has a Professor in charge of the academics, looking into the academic matters. Besides, for

each branch/section of each year, a senior faculty remains in charge of the Advisor, who looks after the academic as well as other problems of the students.

Mechanism/norms & procedure for good governance

The college has different committees for good governance of the college.

1. Administrative and Academic Committee: Consists of all HODS and Wardens. The Principal is the chairman of the committee. It recommends different issues to be approved by the Principal/Vice-Chancellor.
2. Purchase Committee: It consists of all HODS as members, the Principal being the chairman. All purchases of more than 15,000/- should be approved by the purchase committee.
3. Disciplinary Committee: It recommends for disciplinary action against the accused students after many rounds of hearings from the victim students.
4. Grievance redressal mechanism for faculty, staff and students are always active. There is a complaint box near the office of the Principal. Any student and staff having grievance, can drop an application which is processed by the Grievance Cell and appropriate action is recommended. Principal also gives time to all for personal hearings and tries to sort out the general problems, which are within his capacity.

Goals, Vision, Mission and Strategies:

Goals:

- To build and develop a world-class institution for creating and imparting knowledge at undergraduate, post graduate and doctoral levels contributing to the development of the nation and the humanity at large.
- To develop leaders with vision, creative thinking, social awareness and respect for our values.
- To foster excellence in teaching and research to make a global impact.
- To engage in path-breaking research that would influence national policies.
- To pursue sustainable technological solution to societal problems.
- To focus on lean engineering solution for sustainable development.
- To be the leader for academic and industrial collaborations in various disciplines nationally and internationally.
- To create awareness of the true significance of learning and teaching
- To enrich local schools and communities through value-added interactions.
- To encourage excellent language skills as part of the the institutional culture.
- To prepare students not just for their first job, but their last job as well.

Vision:

To emerge as global leader in technical education.

Mission:

To generate on a sustainable basic quality technical human resources commensurate with the dynamic global scenario.

Strategies:

1. To establish and maintain quality infrastructure for engineering education.

2. To periodically and suitably update the curriculum with a vision to accommodate the fast changing global milieu.
3. To amalgamate engineering knowledge of students and faculty with computer science, information technology, finance and accounting skills along with physical fitness.
4. To stimulate research and development activities on thrust areas.
5. To develop industry - institute interaction.
6. To promote participatory culture among all stake holders for excellent customer satisfaction.
7. To inspire students and faculty on ethical, spiritual and social values.
8. To inculcate a spirit of environment friendliness and sustainable development and to instill a culture of quality.

Status of NBA, NAAC, UGC Autonomy, and TEQIP-III etc.

NBA:

B Tech Degree Programme for four Departments of CET (Civil Engineering, Mechanical Engineering, Electrical Engineering and Instrumentation & Electronics Engineering) are accredited for 3 years from 2019 to 2022. The accreditation of the Textile Engineering and MCA are with the NBA Authorities for further review and consideration.

NAAC:

College of Engineering & Technology Bhubaneswar has been accredited with “A” Grade NAAC for five years w.e.f. January, 2017.

UGC Autonomy:

College of Engineering & Technology, Bhubaneswar has got UGC Autonomy for 10 years w.e.f. Academic Year 2017-18. This is the academic autonomy provided by UGC.

TEQIP-III (Grant for the Period 2017-2020):

After successful implementation of TEQIP II in CET during the period, 2012-2016, CET Bhubaneswar has been granted TEQIP III by MHRD, Govt of India with a grant of Rs.15 crores during the period, 2017-2020 towards R&D activities, modernization of Laboratories, improving quality of Technical education, etc.

Objective of the Institution:

- Promoting globally competitive academic programs and support the growth of intellectuals with skill in hand.
- Collaborating high-degree interdisciplinary research.
- Strengthening a healthy society by improving the quality of life through developing and applying of modern technologies.
- Establishing a sustainable economic base.
- Building up a healthy environment and homely ambience in the Institute.

Administration Hierarchy:

| | | |
|---|---|---|
| Vice-Chancellor | : | Prof.(Dr.) Chita Ranjan Tripathy/ RDC, Sambalpur |
| Principal | | Prof. P. K. Patra |
| HODs | | |
| Civil Engineering | : | Prof. D. P. Satapathy |
| Mechanical Engineering | : | Dr. Ashok Mohanty |
| Electrical Engineering | : | Dr. Meera Viswavandya |
| Instrumentation and Electronics Engineering | : | Dr. Aruna Tripathy |
| Computer Science & Engineering | : | Dr. S. Mohapatra |
| Information Technology | : | Dr. R. K. Dash |
| Textile Engineering | : | Dr. B. P. Dash |
| Biotechnology | : | Dr. M. N. Pattanaik/Dr. R. K. Pradhan |
| Fashion & Apparel Technology | : | Mr. A. K. Dash |
| Architecture | : | Mr. H. N. Dash |
| Computer Science & Application (MCA) | : | Dr. J. Mishra |
| Physics | : | Dr. B. Ojha |
| Chemistry | : | Dr. A. N. Acharya |
| Mathematics & Humanities | | Dr. G. Pradhan |
| Professors-In-Charges (PICs) | | |
| Administration | : | Dr. C. Mishra |
| Academics (UG) Academics (PG) | : | Prof. A. K. Barisal Prof. P. K. Satapathy (EE) |
| Accounts | : | Mr. K. N. Das Dr. P. K. Parida |
| Central Library | : | Dr. M. C. Tripathy |
| Central Computer Lab-I | : | Dr. S. Mohapatra |
| Central Computer Lab-II | : | Dr. R. K. Dash |
| Controller of Examinations | : | Prof. R. R. Dash |
| Internet & Wi-Fi | : | Principal |
| Income Tax & Electrical Maintenance | : | Prof. P. K. Satpathy (EE) |
| Civil Maintenance | : | Dr. F. Baliarsingh |
| Students' Affairs | : | Dr. P .K. Satapathy (ME) |
| Training & Placement | : | Dr. S. K. Pradhan |
| Telephone | : | Dr K. C. Bhuyan |
| Time Table | : | Ms. A. Dastidar |
| Central Purchase Committee CPC Convenor | : | Prof. L. N. Panda Dr. R. K. Pradhan |
| Security | : | Mr. A. Mohapatra |
| Alumni Association | : | Dr. P. K. Parida |

| | | |
|--|---|-------------------|
| 1 st Appellate Authority, RTI | : | Prof. L. N. Panda |
| PIO, RTI | : | Dr. A. N. Acharya |
| ISTE Students Chapter Faculty Advisor | : | Prof. H. K. Dash |
| Transport | | Mr. S. Maharana |

Academics

ADMISSION REQUIREMENTS

Admission to different under graduate degree course like Civil, Mechanical, Electrical, Instrumentation and Electronics, Information Technology, Computer Science and Engineering, Biotechnology, Textile Engineering, Fashion and Apparel Technology, B. Arch. B. Plan and Post Graduate Degree like MCA, M. Tech, M. Arch & M. Plan is conducted every year through "Odisha Joint Entrance Examination" committee constituted by Govt. of Odisha. The intake strength of various departments for the session 2017-18 is as follows.

Programmes Offered and Capacity:

INTAKE CAPACITY OF STUDENTS IN DIFFERENT ACADEMIC PROGRAMMES (2017-18) UG PROGRAMME:

B. Tech., B. Arch, & B. Plan. Programme (2017-18)

| SL | Full Time Course Intake | Approved | Entry level | Duration | Degree |
|----|---|------------|-------------|----------|-------------------|
| 01 | Architecture | 20 | 10+2 | 5 years | B. Arch. |
| 02 | Bachelor in Planning | 60 | 10+2 | 4 years | B. Plan |
| 03 | Biotechnology (SSP) | 30 | 10+2 | 4 years | B. Tech (Biotech) |
| 04 | Civil Engineering | 120 | 10+2 | 4 years | B. Tech (Civil) |
| 05 | Computer Science & Engineering (SSP) | 60 | 10+2 | 4 years | B. Tech (CSE) |
| 06 | Electrical Engineering | 120 | 10+2 | 4 years | B. Tech (Elect.) |
| 07 | Fashion & Apparel Technology (SSP) | 30 | 10+2 | 4 years | B. Tech (FT) |
| 08 | Information Technology (SSP) | 60 | 10+2 | 4 years | B. Tech |
| 09 | Instrumentation & Electronics Engineering | 120 | 10+2 | 4 years | B. Tech (I & E) |
| 10 | Mechanical Engineering | 120 | 10+2 | 4 years | B. Tech (Mech) |
| 11 | Textile Engineering | 60 | 10+2 | 4 years | B. Tech (TE) |
| | Total Annual Intake | 800 | | | |

PG PROGRAMME:

M. Tech., M. Arch. & M. Plan. Programme (2017-18)

| | | | | | |
|----|--------------------------------------|----|----------|---------|----------|
| 01 | Computer Science & Engineering (SSP) | 18 | B. Tech. | 2 Years | M. Tech. |
| 02 | Information Technology (SSP) | 18 | B. Tech. | 2 Years | M. Tech. |
| 03 | Structural Engineering. (SSP) | 18 | B. Tech. | 2 Years | M. Tech. |

| | | | | | |
|----|--|------------|------------------|---------|-----------|
| 04 | Industrial Engineering & Management (SSP) | 18 | B. Tech. | 2 Years | M. Tech. |
| 05 | Power System Engineering | 18 | B. Tech. | 2 Years | M. Tech. |
| 06 | Electronic & Instrumentation Engineering | 18 | B. Tech. | 2 Years | M. Tech. |
| 07 | Biotechnology | 18 | B. Tech. | 2 Years | M. Tech. |
| 08 | Water Resources Engineering | 18 | B. Tech. | 2 Years | M. Tech. |
| 09 | Geotechnical Engineering | 18 | B. Tech. | 2 Years | M. Tech. |
| 10 | Power Electronics & Drives | 18 | B. Tech. | 2 Years | M. Tech. |
| 11 | Energy System Engineering | 18 | B. Tech. | 2 Years | M. Tech. |
| 12 | Electronics & Communication Engineering | 18 | B. Tech. | 2 Years | M. Tech. |
| 13 | Signal Processing Engineering | 18 | B. Tech. | 2 Years | M. Tech. |
| 14 | Thermal Engineering | 18 | B. Tech. | 2 Years | M. Tech. |
| 15 | Design & Dynamics | 18 | B. Tech. | 2 Years | M. Tech. |
| 16 | Textile Chemical Processing | 18 | B. Tech. | 2 Years | M. Tech. |
| 17 | M.C.A | 30 | Graduate | 3 Years | MCA |
| 18 | M. Arch. (SSP) | 20 | A. Arch. | 2 Years | M. Arch. |
| 19 | M. Plan. | 18 | B. Arch/B. Plan. | 2 Years | M. TPlan. |
| 20 | M. Sc. in Applied Chemistry | 20 | Graduate | 2 Years | M. Sc. |
| 21 | M. Sc. in Applied Physics | 20 | Graduate | 2 Years | M. Sc. |
| 22 | M. Sc. in Mathematics & Computing | 20 | Graduate | 2 Years | M. Sc. |
| 23 | Integrated M. Sc. in Applied Physics | 30 | +2 Sc. | 5 Years | M. Sc. |
| 24 | Integrated M. Sc. in Applied Physics | 30 | +2 Sc. | 5 Years | M. Sc. |
| 25 | Integrated M. Sc. in Mathematics & Computing | 30 | +2 Sc. | 5 Years | M. Sc. |
| | Total Annual Intake | 506 | | | |

Ph. D. PROGRAMME (UNDER TEQIP)

| Sl. No. | Department | Students admitted |
|---------|--------------------------------|----------------------------|
| 01 | Biotechnology | 02 (2012-13), 01 (2013-14) |
| 02 | Civil Engineering | 01 (2013-14) |
| 03 | Computer Science & Engineering | 01 (2012-13), 01 (2013-14) |
| 04 | Chemistry | 01 (2012-13), 01 (2013-14) |
| 05 | Electrical Engineering | 01 (2012-13), 01 (2013-14) |
| 06 | Information Technology | 01 (2012-13), 01 (2013-14) |
| 07 | Mechanical Engineering | 01 (2012-13), 01 (2013-14) |
| 08 | Physics | 01 (2013-14) |
| | Total Annual Intake | 16 |

The details of the eligibility, reservation, medical requirements, and procedure for admission for various programmes are given in the information brochure for "Odisha Joint Entrance Examination" - 2017.

Centre of Excellence: Various Organisations are committed to establish their centre of excellence inside the premises of the Institute. Out of which the prominent one is "Tech. Mahindra" who is going to open AI based centre of excellence inside the premises shortly to which Honourable CM of Odisha will inaugurate on December 8th, 2019.

Infrastructure and Facilities

HOSTEL ACCOMMODATION:

Girls Hostel: The Institute has two hostels for girls named as Kalpana Chawla Hall of Residence (KCHR), and Kasturba Hall of Residence (KHR) inside the premises. The hostel will accommodate around 550 numbers of girls.

Boys Hostel: The Institute has two hostels for girls named as Ramanujan Hall of Residence (RHR), and APJ Abdul Kalam Hall of Residence (APJAHR) inside the premises. The hostel will accommodate around 550 numbers of boys.

Rented Hostel: This hostel is dedicated for the 1st year boys' students and located very close to the institute boundary. The capacity of the hostel is 120 numbers.

At present there are two hostels in the new Techno Campus one each for boys and girls. First year boys are accommodated in a rented hostel outside the campus. 1st year girl students are accommodated in the girls' hostel inside the campus. Each hostel has a common mess. Boarders have to strictly follow the hostel rules prescribed by the college. Following faculties are in charge of different hostels.

| | | |
|---------------------------------------|---------------------|---------------------|
| Warden (Boys' Hostel) | Dr. D. P. Bagarty | Mobile - 9437536771 |
| Warden (Girls' Hostel) | Mrs. A. Dastidar | Mobile - 9861230224 |
| Superintendent, Boys' Hostel (Rented) | Dr. P. K. Parida | Mobile - 8895274047 |
| Superintendent, Boys' Hostel (APJAHR) | Dr. D. P. Satapathy | Mobile - 9861761399 |
| Superintendent, Boys' Hostel (RHR) | Dr. B. R. Das | Mobile - 9437182654 |
| Superintendent, Girls' Hostel (KHR) | Ms. Twinkle Kisku | Mobile - 9555130996 |
| Superintendent, Girls' Hostel (KCHR) | Ms. M. Srivalli | Mobile - 9668866744 |

Medical Facility and Tie-up with Hospital: The medical facility to the academic, administrative authorities and staffs are provided per month basis for 12 months of a year. The amount is fixed to Rs. 225.00 per month. The institution has tie-up with SUM hospital to take care of faculties, staffs, and students of their health care and emergency situation.

Residential facility for Faculty and Staff: Inside the campus the residential facility for the faculties and staffs are provided. The campus contains 18 numbers of quarters that are provided to the faculties and staffs of the Institute.

Library:

Library is primarily intended for the staffs and students of this college. The Library is having a total collection of books with 38,821 with 8,210 titles. The library subscribes Indian Journals, eLibrary with e-journal with like

ASME, ASCE, IEEE, RET, JGATE, Springer links, Science Direct etc. The Library opens from 8 A.M. to 2 P.M. on working days. Text book bank for facilities for SC/ ST and general students are also available.

The college has a library having a total no. of 38821 text books and reference books consisting of 8210 book titles. Presently 112 Journals are under use by the faculty and students for which the hard copies are received every month.

List of E-Resources Subscribed by CET, Bhubaneswar (700 e-journals)

| | |
|-------------------------------------|--|
| IEEE | www.ieee.org/ieeexplore |
| Springerlink | http://link.springer.com/ or http://springerlink.com |
| ASME | http://asmedl.org/journals/doc/ASMEDL-home/jrnls/ |
| ASCE | http://ascelibrary.org |
| Access Engineering (McGraw Hill) | http://accessengineeringlibrary.com/ |
| J-Gate | http://www.jgate.in or http://www.j-gate.informindia.co.in |
| Science Direct | http://www.sciencedirect.com |
| ASTM | http://enterprise.astm.com |
| EBSCO (Arch) | http://search.ebscohost.com/ |
| Cengage (Arch) | http://infotrac.galegroup.com/itweb/cet_bhubaneswar |

Laboratory Facilities/ Computer Centre

List of Major Equipment/Facilities

| Name of the Course | Name of Laboratory | Major Equipments |
|---------------------------|--|--|
| Mechanical Engg. | Workshop | Lathes, Milling Machines, Shaping machines, Welding machines, Carpentering machines |
| Mechanical Engg. | Mechanical Engg. Lab. Hydraulic Lab. Heat Transfer lab. Heat Power Lab. CAD/CAM Lab. | Universal testing machines, CNC machines, 6-axis Robot, Petrol & diesel engine test rings, Refrigerator and A/C test rings, Air compressors, NISA software Flexible Manuf. Lab. |

| | | |
|--|--|---|
| Electrical Engg. | <p>Basic Electrical Engg. Lab. Electrical Machines lab. Power System Engg. Lab. Power Electronics and Drives Lab. Micro-processor & Micro Controller Lab. High-Voltage Engg. Lab. Network & Device Lab. Control system and Inst. Lab. Simulation and Design Lab.</p> | <p>Software: E-Tap, MATLAB, PSCAD, LABVIEW. <u>Equipment</u> High Voltage AC/DC testing Kit, Wind Power excel actor, Grid corrected PV system, Alternators. Induction Motors (1 phase, 3 phase), DC Machines, Transformers (3 phase, 1 phase), Relays (Various Type), Converters, inverters, Choppers etc., Various Power Electronics Controller.</p> |
| Civil Engg. | <p>Concrete Lab. Soil Mechanics Lab. Structural Lab. Survey Lab. Highway Engg. Lab. Environmental Lab. Hydraulics Lab.</p> | <p>Hydraulic equipments, UTM, Compression testing machine, Total station, Theodolite,</p> |
| Instru. & Electronics | <p>Basic Electronics Lab. Electronics circuit Lab. Communication & Digital Signal Processing Lab. VLSI & Simulation Lab. Instrumentation Device Lab.</p> | <p>CRO, DSO power suppliers, Signal generators, Common modules, Common trainers, Process control trainer, MATLAB, XI LI NX LAB View, MSO, PLC, P-5</p> |
| Computer Sc. & Engg. M. Tech. Laboratory (Research Lab.) | <p>Computer Organization Laboratory</p> | <p>1. Desktop Computer - 24 Nos. 2. Digital Copier with Printer 3. 4.5 KVA online UPS 1. Desktop Computer 2. 2 KVA Online UPS 3. LCD Projector 4. SMPS Trainer Module 5. CPU Trainer Module 6. Printer Trainer Module 7. Real time clock Trainer Module 8. Hard Disk Trainer Module</p> |
| | <p>Programming Language Lab. Operating System Lab. Computer Network Lab</p> | <p>These Laboratories are conducted at Central Computing Facility -1</p> |
| Biotechnology | <p>Biochemistry & Microbiology Lab, Plant tissue culture Lab,</p> | <p>Blotting apparatus, Sonicator, Water shaker bath, Bioreactor,</p> |

| | | |
|-------------------------|---|---|
| | Molecular biology Lab | Gel Documentation Unit, Homogenizer, Clinical analyzer, pH meter, Soxhlet apparatus, Compound microscope and Water distillation unit. |
| Textile Engg. | Yarn Manufacture | Carding, Draw frame, Simplex, Ring frame, Doubler |
| | Fabric Manufacture | Silk loom, Dropbox loom, Circular knitting machine, Flatbed Knitting machine |
| | Testing Lab | Unistretch, Abrasmart, Ele twist, Stelometer, Tearing strength tester, Fibrolen |
| | Chemical Processing Lab Design | Padding mangle, Stenter CATD |
| Architecture | Photography lab. Audio Visual Seminar Room Model Making & NASA activity room Computer graphics lab Building Material Museum | |
| Information Technology | Software Engineering lab. Internet & Web Designing lab. | i3, 17 Pcs-90 Nos., Multimedia systems with Adobe, MATLAB |
| | Multimedia & Computer Graphics lab. VISI & Embedded lab. | with image processing tool box |
| MCA | Programming Language lab. Multi Media & Web Designing Graphics lab. Operating System lab. | i7 pcs - 33 Nos. Rational Rose lab. Software, MATLAB, Oracle Computer |
| Fashion & Apparel Tech. | CAD Lab | Software for fashion designing (Fashion Studio), Software for garment pattern Making, Digitizer, Audio/visual aid |
| | Garment Manufacturing Lab | Chain stitch M/C, Lock Stitch M/C (JUKI), Computerized Fashion maker (USHA), Automatic Embroidery M/C etc.. |
| | Garment Testing & | Equipped with all types of |

| | | |
|-------------------|-----------------------------|--|
| | Processing Lab | advanced garment Testing machinery for testing of Drape, Garment Washing Fastness, Flammability, Air Permeability, Tearing & Brusting Strength, Fabric Pilling performances, Stiffness, Crease recovery, Water Vapour Permeability & Digital Garment Fusing M/C etc... |
| Physics Chemistry | Physics Lab. Chemistry Lab. | Spectro photometer, Digital PH meter, Viscometer |
| Humanities | English Language Lab. | Pentium IV - 2 Nos 32 head Phones, VCD Disk Antenna, |

CENTRAL COMPUTING FACILITY-I AND FACILITY-II

The College has more than 300 computers out of which there exists a Central Computing facility managed by CSE Department having 128 Computers with Linux/Windows LAN connectivity through Servers. Software as per University course curriculum like C/C++, Java, MATLAB and databases like Oracle, Rational Rose exists. The college has Internet connectivity from BSNL of 10 Mbps (1:1) leased line with Fibre Optic End point connectivity, 10 Mbps connectivity through NMEICT and 100 Mbps connectivity through NKN. The Central Computer facility was established in the year 2005 with financial assistance from SSP head of College. At present, it consists of four different sections i.e. CL - 1, CL - 2, CL - 3 and CL - 4. Each Section has 32 PCs connected with DELL Blade Server. Students of all Engineering/Technology branches including MCA and Architecture perform their common computing laboratory work in Programming in C, Data structure using C, OOP/C++, RDBMS / ORACLE as per BPUT Syllabus. Besides this, students of higher Semester of CSE, IT and MCA utilize this laboratory for their Computer Network Lab, JAVA Programming Lab, OS Lab, Internet Lab, etc. All the PCs are with LAN connectivity and Internet connectivity. Four numbers of 10 KVA Online UPS are provided to 128 PCs and a 15 kVA Online UPS is connected with Server room for Server, Network Switches, etc. Under TEOJP, one 12 TB Storage Area Network is installed in the Central Computer Laboratory. There exists operating environment as Windows, DOS, Unix / Linux, etc with 58 numbers of i7 PC and 70 numbers of 13 PCs. As the present requirement is not sufficient, construction of another Central Computer Laboratory (CCL-2) is going on with 128 PCs and other accessories / connectivity will be operational shortly, 2014 with exact replica of the existing Central Computer Laboratory -1 (CCL-I), Central Computing Laboratory – II is established.

Due to increase in intake, a similar replica of Central Computing Facility - I is established as Central Computing Facility - II managed by IT Department. At present it has 128 Computers with Server and other accessories. The fully furnishing of the above as done in Central Computing facility - I will be completed within a month time.

CENTRAL INTERNET FACILITY

The Central Internet Facility is provided to the students, staff and faculty of the college. Presently it has 10 Mbps leased line connectivity from BSNL with another 10 Mbps Internet connectivity from BSNL through National Mission on Education through Information and Communication Technology (NMEICT) of MHRD,

Government of India. The Internet facility is extended from 7 AM to 5 PM on all working days. It caters the need of various Online tests for jobs during campus placements of students and web browsing for their project works.

Wi-Fi FACILITY

The entire College campus including Boys Hostel, Ladies Hostel, Staff Quarter and various academic & administrative buildings are 24 X 7 Wi -Fi connected with 100 Gbps leased line Internet connectivity through National Knowledge Network (NKN) scheme. Students, staff and faculty members are successfully utilizing this facility. This is managed by CSE Department

Independence Day Celebrations:

The college celebrates the Independence day on August 15 in each year to memories the noble people behind this phenomenon and to enjoy the state of joy be in independent.

Republic Day Celebrations:

Nation's Republic Day, which is a gazetted holiday on January 26 each year. It is a day to remember when India's constitution came into force on January 26, 1950, completing the country's transition toward becoming an independent republic. On Republic Day, flag hoisting ceremonies and parades are performed in the campus of the Institute.

Faculty and Staff Positions: Sanctioned Intake and Actual Intake:

Faculty Position:

| Institution | Department | Rank | Sanctioned Post | Filled Post |
|--------------------|---|---------------------|------------------------|--------------------|
| CET, Bhubaneswar | Planning | Assistant Professor | 4 | 3 |
| CET, Bhubaneswar | Planning | Associate Professor | 1 | 0 |
| CET, Bhubaneswar | Planning | Professor | 0 | 0 |
| CET, Bhubaneswar | Dept.Architecture | Assistant Professor | 4 | 3 |
| CET, Bhubaneswar | Dept.Architecture | Associate Professor | 2 | 0 |
| CET, Bhubaneswar | Dept.Architecture | Professor | 1 | 0 |
| CET, Bhubaneswar | Mathematics & Humanities | Assistant Professor | 4 | 2 |
| CET, Bhubaneswar | Mathematics & Humanities | Associate Professor | 3 | 0 |
| CET, Bhubaneswar | Mathematics & Humanities | Professor | 1 | 0 |
| CET, Bhubaneswar | Chemistry | Assistant Professor | 1 | 1 |
| CET, Bhubaneswar | Chemistry | Associate Professor | 3 | 1 |
| CET, Bhubaneswar | Chemistry | Professor | 0 | 0 |
| CET, Bhubaneswar | Physics | Assistant Professor | 2 | 1 |
| CET, Bhubaneswar | Physics | Associate Professor | 3 | 0 |
| CET, Bhubaneswar | Physics | Professor | 0 | 0 |
| CET, Bhubaneswar | Textile Engineering | Assistant Professor | 6 | 5 |
| CET, Bhubaneswar | Textile Engineering | Associate Professor | 2 | 0 |
| CET, Bhubaneswar | Textile Engineering | Professor | 0 | 0 |
| CET, Bhubaneswar | Mechanical Engineering | Assistant Professor | 17 | 14 |
| CET, Bhubaneswar | Mechanical Engineering | Associate Professor | 12 | 5 |
| CET, Bhubaneswar | Mechanical Engineering | Professor | 4 | 2 |
| CET, Bhubaneswar | Instrumentation & Electronics Engineering | Assistant Professor | 17 | 16 |
| CET, Bhubaneswar | Instrumentation & Electronics Engineering | Associate Professor | 13 | 2 |
| CET, Bhubaneswar | Instrumentation & Electronics Engineering | Professor | 5 | 1 |
| CET, Bhubaneswar | Information Technology | Assistant Professor | 0 | 0 |
| CET, Bhubaneswar | Information Technology | Associate Professor | 0 | 0 |
| CET, Bhubaneswar | Information Technology | Professor | 0 | 0 |
| CET, Bhubaneswar | Fashion & Apparel Technology | Assistant Professor | 0 | 0 |
| CET, Bhubaneswar | Fashion & Apparel Technology | Associate Professor | 0 | 0 |
| CET, Bhubaneswar | Fashion & Apparel Technology | Professor | 0 | 0 |
| CET, Bhubaneswar | Electrical Engineering | Assistant Professor | 17 | 17 |
| CET, Bhubaneswar | Electrical Engineering | Associate Professor | 13 | 6 |
| CET, Bhubaneswar | Electrical Engineering | Professor | 5 | 2 |
| CET, Bhubaneswar | Computer Science & Engineering | Assistant Professor | 0 | 0 |
| CET, Bhubaneswar | Computer Science & Engineering | Associate Professor | 0 | 0 |
| CET, Bhubaneswar | Computer Science & Engineering | Professor | 0 | 0 |
| CET, Bhubaneswar | Civil Engineering | Assistant Professor | 17 | 10 |
| CET, Bhubaneswar | Civil Engineering | Associate Professor | 12 | 2 |
| CET, Bhubaneswar | Civil Engineering | Professor | 4 | 0 |
| CET, Bhubaneswar | Biotechnology | Associate Professor | 1 | 0 |
| CET, Bhubaneswar | Biotechnology | Professor | 1 | 0 |

Faculty Activities:

➤ Consulting Projects

In 2018-2019, the consultant work earned Rs. 7377643/- for CET, BBSR from PM.

R&D Achievements:

Two Faculties got two Rs. 10.00 lakhs R&D project from the Government of Odisha. One more project is under pipeline from Vedanta Aluminium Ltd.

Conference Held:

- ICIT, 2018 (International Conference) hosted by Prof. P. K. Patra, CSE Department.
- National conference of on smart grid and power system, by Elec. Dept.
- National conference on signal processing, by I&E Dept.
- GIAN course by Textile Dept. in 2018.

Consultancy Projects in-hand:

- PMGSY

Start-ups and Innovations:

- Vedanta
- Energy System, Govnt. of Odisha

Linkage with Industry:

1. NALCO
2. Vedanta Ltd.
3. Hindalco Industries Ltd.

Collaborative Activities:

- ICT, Mumbai.
- JNTU, Kakinada.
- On AI, Tech. Mahindra

Training Activities: Student, Faculty, Teaching and Non-teaching Staff:

Training Programs Held for Students:

1. CTTC Training
2. Employability Test
3. AMCAT Test
4. GATE Training

Training Programs Held for Teachers and Staffs:

Teachers:

1. Pedagogical training
2. Management training
3. Subject training
4. Conference/Symposium/Seminar/Workshop
5. Site visit for understanding problems and collaborative projects

Technical/Non-technical Staffs:

- NITTR, Chandigarh, Punjab.
- IIM Raipur, MP.

Award and Recognition

NATIONAL LEVEL AWARDS RECEIVED BY CET IN LAST YEARS:

1. National Education Leadership Award presented on 12.9.2015 by **Vijaivani** for being the Outstanding Engineering Institute in the Eastern Region.
2. Education Leadership Award presented by **DNA & Stars of the Industry Group** on 18.2.2016 while declaring 8th Innovative Education Awards.
3. Indo Global Engineering Educational Excellence Award 2016 by **Indo Global Chamber of Commerce** on 24.2.2016.

4. National Education Award by **ABP** for being the Outstanding Engineering Institute in the Eastern Region on 23.6.2016.

Training Activities: Student, Faculty, Teaching and Non-teaching Staff:

Student Strength (UG, PG, PhD): Sanctioned Intake and Actual Intake:

| Students Admitted into Various Courses in 2018-2019 | | |
|--|------------------------|-------------------------|
| B. Tech. | | |
| Branch | 2018-19 | |
| | Intake Capacity | Actual Admission |
| B. Tech., CE | 120 | 116 |
| B. Tech., ME | 120 | 108 |
| B. Tech., EE | 120 | 106 |
| B. Tech., I & E | 120 | 109 |
| B. Tech., CSE (SSP) | 60 | 45 |
| B. Tech., IT (SSP) | 60 | 47 |
| B. Tech., TE | 60 | 53 |
| B. Tech., FAT (SSP) | 30 | 10 |
| B. Tech., BT (SSP) | 30 | 23 |
| B. ARCH. | 20 | 17 |
| B. PLAN. | 60 | 35 |
| TOTAL | 800 | 669 |

| Students Admitted into Various Course in 2018-2019 | | |
|---|------------------------|-------------------------|
| PG (M. Tech./ME) | | |
| Branch | 2018-19 | |
| | Intake Capacity | Actual Admission |
| MCA | 30 | 30 |
| EE-Energy System Engg. | 18 | 15 |
| EE-Power System Engg. | 18 | 18 |
| EE-Power Electronics & Drives | 18 | 13 |
| I& E-Electronics & communications Engg. | 18 | 17 |
| I& E-Electronics & Instruments Engg. | 18 | 15 |
| I& E-Signal Processing | 18 | 14 |
| I.T. (SSP) | 18 | 4 |
| B.T. | 18 | 4 |
| TE | 18 | 2 |
| CSE (SSP) | 18 | 14 |
| CE-Geotechnical | 18 | 16 |
| CE-Structural (SSP) | 18 | 17 |
| CE-Water Resources | 18 | 16 |

| | | |
|---------------------------------------|------------|------------|
| ME-Design & Dynamics | 18 | 17 |
| ME-Industrial Management (SSP) | 18 | 11 |
| ME-Thermal Engg. | 18 | 16 |
| M. Plan. | 18 | 17 |
| M. Arch. (SSP) | 20 | 0 |
| Total | 356 | 256 |

| Applied 2 yrs. M. Sc. Courses | | |
|---|------------------------|-------------------------|
| Branch | 2018-19 | |
| | Intake Capacity | Actual Admission |
| Chemistry | 20 | 19 |
| Physics | 20 | 17 |
| Math. & Computing | 20 | 20 |
| TOTAL | 60 | 56 |
| Applied Integrated 5 yrs. M. Sc. Courses | | |
| Branch | 2018-19 | |
| | Intake Capacity | Actual Admission |
| Chemistry | 30 | 19 |
| Physics | 30 | 19 |
| Math. & Computing | 30 | 10 |
| TOTAL | 90 | 48 |

At present 9 students have enrolled in Ph.D. at various streams from which 2 students from CSE and CSA (MCA) have submitted their dissertation in 2018 under the guidance of Prof. P. K. Patra and Prof. J. Mishra.

Student Activities:

SCHOLARSHIP:

CET Merit scholarship of value Rs. 400/- per month will be awarded to 10% of the students of each class. The scholarship for 1st Year B. Tech./B. Arch./MCA shall be awarded to the students basing on their JEE rank in general category. For 2nd year and onwards the scholarship shall be given branch wise basing on their CGPA in the previous year Examination. The minimum eligibility for the award of the scholarship is 8.0 CGPA and the students must have cleared all subjects registered so far in the first attempt and should have the required attendance at any point of time during the current course without any involvement in discipline activities.

Medhabruti Scholarship, Minority Scholarship, Post Matric Scholarship etc. are also awarded every year to the poor and meritorious students by Govt. of Odisha and Govt. of India for which every eligible student has to apply in the prescribed application format in time. The detail information can be obtained from the scholarship section of the college.

Need & Merit Scholarship (NMS) was started by a group of students from the batch of 2003 in 2007-08. This scholarship is extended to 2 students of each batch. The amount of scholarship is a part of the tuition fees would be Rs. 5000/- per semester. The details about the scholarship can be known from the NMS team who can be reached at nms_03@yahoo.com.

TRAINING & PLACEMENT

TRAINING:

The Training & Placement cell of CET constitutes of the following members.

- 1) Dr. R. K. Das Chairman
- 2) Dr. S. K. Pradhan PIC, Placement

One faculty member from each department is a member of the T&P cell.

Though training is not compulsory, students normally undergo practical training in different organizations all over the country in summer break. The college also organizes in-house summer training on various advanced subjects during this period, like JAVA, .NET, ASP.NET, SQL-2000 and many more for overall development of the students.

The students go to different companies for training during vacation at the end of 2nd and 3rd year.

Students should contact the HOD of respective department for this purpose. For B. Tech. course in Textile Engineering and Fashion & Apparel Technology one month, Industrial Training is compulsory after 6th semester examination [During Summer Vacation].

However as per curriculum, all the students of B. Tech. Fashion & Apparel Technology branch have to undergo compulsory one month summer internship after completion of 6th sem. examination, for which they will be awarded with credit points in their 7th sem. examination.

PLACEMENT:

In a challenging and turbulent year faced by the industry with factors ranging from burnouts to layoffs to salary cuts, our college surges ahead of its counterparts in terms of student placements. CET has been critically acclaimed across borders with its renowned alumni holding international positions. Most part of the credit goes to the high quality students, excellent faculty, and a deep industry engagement with key recruiters.

The college has also remained top among the educational institutes of the state on the basis of academic excellence, industry interface, personality development, placement and selection process. It's the placement team which played the pivotal role who has walked the extra mile to place the deserving students to achieve a growth in key statistics which are much ahead of the leading institutes across Odisha. The T&P cell has helped the students in availing Internship/Industrial Training during summer and winter break in various organizations.

The placement cell of CET has worked wonders over the past few years and success record of the students placed in some of the best companies stands as a testimony to the fact. It includes organizations like MARUTI SUZUKI, ASIAN PAINTS, TCS, ACCENTURE, TATA STEEL, VEDANTA, BOSCH, TATA ADVANCED SYSTEM, GODREJ, TATA REFRACTORIES LIMITED, TATA SPONGE IRON LIMITED, TEK SYSTEMS, ADP, MU-SIGMA, CAPGEMINI, HASHWORKS, WORK APPLICATIONS, NOWFLOATS, VARDHMAN, TECH MAHINDRA, WIPRO, INFOSYS, GUPTA POWER, ALOK IND, JK PAPER, ADANI POWER, JINDAL STEEL & POWER LTD, JINDAL STEEL LIMITED and many others.

The placement committee currently comprises of the following faculty members.

| | |
|-----------------------------|---------------------|
| Dr. Ranjit Kumar Dash | Coordinator |
| Dr. Durgesh Prakash Bagarty | Member |
| Dr. Saroj Kumar Pradhan | Professor-in-Charge |
| Dr. Bibhu Prasad Das | Member |
| Mr. Neelakantha Guru | Member |

Contact details:

Dr. Saroj Kumar Pradhan
Training and Placement Officer
College of Engineering and Technology
Techno Campus, Mahalaxmi Vihar,
Ghatikia
Bhubaneswar - 751029, Odisha
Phone No.: +91-9437157631
Email- placement@cet.edu.in,

Mr. Santanu Sen

Member

skpradhan@cet.edu.in

Ms. Benazeer Sultana

Member

LinkedIn :

Ms. Samikhya Mishra

Member

<https://www.linkedin.com/in/dr-saroj-kumar-pradhan-a15b2b96/>

| Sl. No. | Placement status during last 4 years | | | | | | | | |
|---------|--------------------------------------|-----------------------|--------------|-----------------------|--------------|-----------------------|--------------|-----------------------|--------------|
| | Branch | 2017-18 | | 2016-17 | | 2015-16 | | 2014-15 | |
| | | Total No. of students | Total Placed | Total No. of students | Total Placed | Total No. of students | Total Placed | Total No. of students | Total Placed |
| 1 | Civil | 35 | 26 | 31 | 23 | 29 | 29 | 29 | 22 |
| 2 | CSE | 62 | 54 | 66 | 55 | 67 | 67 | 59 | 68 |
| 3 | Electrical | 55 | 45 | 54 | 43 | 48 | 48 | 54 | 55 |
| 4 | I & E | 33 | 36 | 33 | 33 | 29 | 29 | 32 | 39 |
| 5 | IT | 57 | 43 | 62 | 48 | 57 | 57 | 57 | 57 |
| 6 | Mech | 50 | 54 | 54 | 51 | 48 | 48 | 47 | 56 |
| 7 | MCA | 29 | 10 | 30 | 6 | 32 | 16 | 25 | 12 |
| 8 | Textile | 32 | 25 | 32 | 30 | 38 | 38 | 32 | 38 |
| 9 | F&AT | 15 | 5 | 15 | 7 | 28 | 28 | 28 | 13 |
| 10 | BIO Technology | 24 | 5 | 30 | 14 | 28 | 28 | 27 | 25 |
| 11 | MTech | | | | | | | 127 | 13 |
| 12. | MSc | | | | | | | 53 | 5 |
| | Total | 392 | 303 | 407 | 310 | 404 | 388 | 570 | 365 |

PLACEMENT STATUS 2017-18

| Sl. No. | Company Name | No. of Students Recruited |
|---------|---------------------|---------------------------|
| 1 | TCS | 218 |
| 2 | ACCENTURE | 123 |
| 3 | ROBERT BOSCH | 09 |
| 4 | TEK SYSTEMS | 02 |
| 5 | VARDHAMAN | 03 |
| 6 | NOWFLOATS | 02 |
| 7 | KREETI TECHNOLOGIES | 02 |
| 8 | TECH MAHINDRA | 11 |
| 9 | CDK GLOBAL | 01 |

| | | |
|----|--|----|
| 10 | MARUTI SUZUKI INDIA LIMITED | 08 |
| 11 | ASIAN PAINTS | 05 |
| 12 | VEDANTA | 15 |
| 13 | GODREJ & BOYCE MANUFACTURING LTD. | 02 |
| 14 | JUSPAY | 01 |
| 15 | TATA ADVANCED SYSTEM | 04 |
| 16 | ADP | 03 |
| 17 | COREEL | 01 |
| 18 | ALOK INDUSTRIES | 04 |
| 19 | AJATUS | 01 |
| 20 | TATA REFRACTORIES LIMITED | 03 |
| 21 | PRADAN | 10 |
| 22 | CYIENT | 03 |
| 23 | HASHWORKS | 04 |
| 24 | PROLIFICS | 02 |
| 25 | AMDOCS | 03 |
| 26 | INDIAN NAVY | 01 |
| 27 | SHRIRAM TRANSPORT FINANCE COMPANY LTD. | 07 |
| 28 | ARGUSOFT | 01 |
| 29 | GUPTA POWER | 04 |
| 30 | MOTIF | 01 |
| 31 | SANKALP SEMICONDUCTOR | 04 |
| 32 | TRL-KROSAKI | 05 |
| 33 | TATA SPONGE & IRON LIMITED | 02 |
| 34 | ZEN LINEN INTERNATIONAL | 01 |
| 35 | AMKO EXPORTS | 01 |
| 36 | PP INTERNATIONAL | 01 |
| 37 | INDOCOUNT INDUSTRIES LIMITED | 02 |

| | | |
|----|---|------------|
| 38 | D DÉCOR PRIVATE LIMITED | 01 |
| 39 | SOUL CLOTHING | 01 |
| 40 | MADURA (ADITYA BIRLA GROUP) | 04 |
| 41 | BOSCH LIMITED | 06 |
| | Total Job offered | 482 |
| | Total student registered 785 (B.Tech. & MCA) | |
| | Total no. of Eligible students 502 (B.Tech.) and 21 (MCA) | |

Highest Package: Rs. 25,00,000/-, Lowest Package: Rs. 2,40,000/-, Average Package: Rs.3,72,850/-

Placement Status 2018-19

| Sl. No. | Company Name | No. of Students Recruited |
|---------|--------------------------------|---|
| 1 | MU-SIGMA | 10 |
| 2 | TCS | 04 (DIGITAL) 101 (NINJA) 02 (CODEVITA) |
| 3 | TEK SYSTEMS | 01 |
| 4 | ROBERT BOSCH | 19 |
| 5 | APTUS DATA LABS | 05 |
| 6 | ODESSA | 01 |
| 7 | BLACK KNIGHT(Internship) | 05 |
| 8 | ASIAN PAINTS | 02 |
| 9 | HITACHI CONSULTING | 01 |
| 10 | DELOITTE | 21 |
| 11 | ACCENTURE | 66 |
| 12 | ARVIND | 04 |
| 13 | IBM | 23 |
| 14 | ALOK INDUSTRIES | 04 |
| 15 | PYRAMID IT CONSULTANCY | 01 |
| 16 | SUBUDHI TECHNO ENGINEERS | 03 |
| 17 | INFOSYS | 01 (Power Programmer) 05 (Hack with Infy) 29 (Campus Recruitment) |
| 18 | TATA STEEL | 09 |
| 19 | SKYLARK DRONES | 01 |
| 20 | THOOMRI (Intern) | 04 |
| 21 | VARDHMAN | 03 |
| 22 | WINDMOELLER AND HOELSCHER | 02 |
| 23 | MARUTI SUZUKI INDIA LIMITED | 08 |
| 24 | ADP | 01 |
| 25 | TATA ADVANCED SYSTEM | 05 |
| 26 | WIPRO | 13 |
| 27 | AGRI LINK FOOD PROCESSING | 03 |
| 28 | JARO | 01 01 |
| 29 | ASICZEN | 01 |
| 30 | GODREJ | 03 |
| 31 | TATA STEEL – BHUSHAN STEEL LTD | 04 |
| 32 | VEDANTA | 05 |
| 33 | BRILLIO | 03 |

| | | |
|--------------------------|-------------------------------|------------|
| 34 | RAMKY | 04 |
| 35 | TRILAND INVESTMENTS PTE LTD | 08 |
| 36 | CENTURY ENKA | 05 |
| 37 | COGNIZANT | 06 |
| 38 | PHOENIX ROBTIX | 01 |
| 39 | MINDFIRE SOLUTIONS(Intern) | 04 |
| 40 | MICROSOFT | 01 |
| 41 | ELEATION | 02 |
| 42 | GOJEK | 01 |
| 43 | HCL | 05 |
| 44 | STERLING AND WILSON | 02 |
| 45 | JK PAPER | 03 |
| 46 | MADURA–A UNIT OF ADITYA BIRLA | 03 |
| 47 | AFCONS | 01 |
| 48 | ELITIST | 04 |
| 49 | AYM SYNTEX | 01 |
| 50 | JSW CEMENT | 02 |
| 51 | SKODA (Waiting) | 01 |
| 52 | GRE EDGE | 01 |
| 53 | ADANI GAS | 04 |
| 54 | JUSTDIAL | 04 |
| 55 | SKY GROUP | 01 |
| 56 | SIDHU SURVEY SERVICES | 03 |
| 57 | PLAN NET | 01 |
| 58 | IBI CONSULTANCY INDIA PVT LTD | 01 |
| Total Job Offered | | 444 |

The institute has placed around 60% of the students in job criteria. Out of the rest student some got admission in higher studies, some in management stream, and some are looking for entrepreneurship.

Summer Internships:

Below is provided the students have taken summer internship during 2018-2019 in various Organisations.

| Organization Name | No. of Student |
|--|-----------------------|
| Hindustan Aeronautics Limited, Sunabeda | 71 |
| Hindustan Aeronautics Limited, Bangalore | 2 |
| IOCL, Paradip Refinery, Paradip | 9 |
| Paradeep Phosphates Limited (PPL), Paradeep | 4 |
| Paradip Port Trust, Paradip | 1 |
| Indian Farmers Fertiliser Cooperative Limited, Paradeep | 1 |
| IFFCO, Paradeep | 4 |
| National Academy of Broadcasting & Multimedia, Chandrasekharpur, Bhubaneswar | 2 |
| Larsen & Turbo Limited, Kansbahal, Sundergarh | 4 |
| Tech Mahindra, Visakhapatnam | 2 |
| Institute for Development and Research in Banking Technology, Hyderabad | 1 |
| Delhi Metro Rail Corporation Ltd. (DMRC), Delhi | 1 |
| Indian Oil Bhavan, Bhubaneswar/ L&D, Kolkata | 3 |
| M N Dastur & Company (P) Ltd., Kolkata | 0 |
| PEL-PPCPL-HCPL, Nashik | 1 |
| Tata Motors, Jamshedpur, Jharkhand | 3 |
| Tata Steel Limited, Jamshedpur | 3 |

| | |
|--|-----|
| Rashtriya Ispat Nigam Ltd., Visakhapatnam Steel Plant, Visakhapatnam | 14 |
| IREL, Chhatrapur, Ganjam | 7 |
| Bharat Heavy Electronics Limited (BHEL), Bangalore | 2 |
| Bharat Heavy Electronics Limited (BHEL), Bhopal | 1 |
| Bharat Heavy Electronics Limited (BHEL), Hyderabad | 0 |
| Bharat Dynamics Limited , Hyderabad | 1 |
| Tata Steel Alloys Limited, Gopalpur, Odisha | 3 |
| Proof & Experimental Establishment, DRDO, Chandipur | 5 |
| Integrated Test Range, DRDO, Chandipur | 16 |
| CSIR-IMMT, Bhubaneswar | 16 |
| Regional Medical Research Centre, Bhubaneswar | 2 |
| TCS, Bhubaneswar | 6 |
| ITC Infotech Ltd., Kolkata | 1 |
| Microsoft | 1 |
| Fluentgrid Limited, Visakhapatnam | 0 |
| Siemens India Limited, Mumbai | 2 |
| Gainwell Commosales Private Limited, Greater Noida, Uttar Pradesh | 1 |
| East Coast Railway, Bhubaneswar | 37 |
| East Coast Railway, Cuttack | 2 |
| S.E. Railway, Tatanagar, Bondamunda | 5 |
| RSP, Rourkela | 108 |
| SAIL ISP, West Bengal | 1 |
| NTPC SAIL Power Company Limited (NSPCL), Rourkela | 4 |
| Hindalco Industries Limited, Hirakud, Sambalpur | 2 |
| Aditya Aluminium, Hindalco | 1 |
| Main Dam Division, Burla, Sambalpur | 3 |
| Apar Industries, Rengali, Sambalpur | 0 |
| Hirakud Hydro Electric Project, Burla, Sambalpur | 8 |
| Rengali Hydro Electric Project, Angul | 1 |
| Odisha Hydro Power Corporation Limited, Angul | 1 |
| OHPC, Burla, Sambalpur | 1 |
| Mahanadi Coalfields Limited, Burla, Sambalpur | 8 |
| Dalmia Cement Bharat Limited, Rajgangpur, Sundargarh | 0 |
| OHPC, Kolab, Koraput | 1 |
| NTPC, Angul | 63 |
| Tata Power Co. Ltd., Jajpur | 1 |
| NTPC Ltd., Vindhya Nagar, Madhya Pradesh | 1 |
| Jindal Steel & Power Limited, Angul | 5 |
| Neelachal Ispat Nigam Limited (NINL), Jajpur | 7 |
| Jindal Steel Limited, Jajpur | 9 |
| MESCO, Jajpur | 2 |
| Visa Steel Limited, Kalinga Nagar, Jajpur | 2 |
| Aarti Steels Limited, Cuttack | 0 |
| IMFA, Choudwar, Cuttack | 2 |
| IDCOL Ferro Chrome & Alloys Limited, Jajpur | 1 |
| NALCO, Bhubaneswar | 8 |

| | |
|---|-----|
| NALCO, Angul | 124 |
| NALCO, Damanjodi, Koraput | 9 |
| Betnoti Canal Division, Subernarekha Irigation Project, Baripada | 4 |
| Keonjhar Drinking Water Supply Project, Keonjhar | 4 |
| Rural Development Deapartment, Aul, Kendrapara | 1 |
| Balasore Alloys Limited, Balasore | 0 |
| Emami Paper Mills Limited, Balasore | 0 |
| Ferro Alloys Plant, Tata Steel, FAMD, Joda, Keonjhar | 2 |
| Power Grid Corporation of India Limited, Kenapali, Sundargarh | 1 |
| NHAI, Bhubaneswar | 4 |
| National Highways, Nirman Soudha, Bhubaneswar | 31 |
| Infrastructure Development Corporation of Odisha, IDCO Tower, Bhubaneswar | 5 |
| Biju Patnaik International Airport, Bhubaneswar | 10 |
| Odisha State Cooperative Milk Producer Federation Limited, Bhubaneswar | 0 |
| BSNL, Bhubaneswar | 6 |
| Care Transformer, Bhubaneswar | 2 |
| Go Speedy Go, Bhubaneswar | 1 |
| Reliance Jio Infocomm Limited | 1 |
| OCAC, Bhubaneswar | 1 |
| Central Circle (R&B), Bhubaneswar | 53 |
| Roads & Buildings, Division-1, Cuttack | 9 |
| Puri Roads & Buildings, Puri | 3 |
| PWD Department, Puri | 6 |
| Roads & Buildings Division, Jharsuguda | 1 |
| Roads & Buildings Division-1, Balasore | 1 |
| Roads & Buildings Division-2, Balasore | 1 |
| PWD Division, Bhubaneswar | 7 |
| Odisha Bridge & Construction Corporation Limited, Bhubaneswar | 12 |
| Rural Works & Public Health Division, Bhubaneswar | 1 |
| Works Department, Unit-5, Bhubaneswar | 2 |
| Water Resources Department, Bhubaneswar | 14 |
| PH Department, Bhubaneswar | 1 |
| Water Resources Department, Jobra | 5 |
| Rural Works Department, Bhubaneswar | 4 |
| Rural Works Department, Nabarangpur | 1 |
| Rural Works Department, Division-1, Cuttack | 0 |
| Chief Engineer Design, Secha Sadan, Bhubaneswar | 2 |
| Engineer-In-Chief (Civil), Nirman Soudha, Bhubaneswar | 4 |
| Engineer-In-Chief (Civil),PWD, Nirman Soudha, Bhubaneswar | 1 |
| P&A, IDCO Tower, Bhubaneswar | 1 |
| Prachi Division, Bhubaneswar | 3 |
| Flood Control & Lower Mahanadi Basin, Bhubaneswar | 5 |
| CPWD, Pokhariput, Bhubaneswar | 4 |
| Mahanadi Barrage Division | 1 |
| OPTCL, Bhubaneswar | 22 |
| CESU, Bhubaneswar | 6 |

| | |
|---|----|
| CESU, Cuttack | 1 |
| Eastern Regional Load Despatch Centre, POSOCO, Tollygunge, Kolkata | 6 |
| West Bengal Power Development Corporation Ltd., Kolkata | 1 |
| Power Grid Corporation of India Limited (PGCIL), Bhubaneswar | 1 |
| SOUTH CO, Berhampur | 1 |
| IIT, Bhubaneswar | 10 |
| IIT, Roorkee | 1 |
| IIT, Khargapur | 2 |
| IISER, Berhampur | 2 |
| Vedanta Limited, Jharsuguda | 7 |
| Bhushan Power & Steel Limited, Jharsuguda | 2 |
| Honda Motorcycles and Scooters India Private Limited (HMSI), Gurgaon, Haryana | 1 |
| Maruti Suzuki India Limited (MSIL), Gurgaon, Haryana | 1 |
| TRL Krosaki, Jharsuguda | 6 |
| OPGC, Jharsuguda | 1 |
| C.A. Patel Textiles Pvt. Ltd., Ahmedabad, Gujrat | 2 |
| Sambalpuri Bastralaya, Bargarh | 11 |
| Northen India Textile Research Association (NITRA), Garment Division, Ghaziabad | 8 |
| Weaven Service Centre (WSC), Saheed Nagar, Bhubaneswar | 12 |
| Bombay Textile Research Association (BTRA), Mumbai | 10 |
| Arvind Limited, Ahmedabad, Gujrat | 2 |

Intra- and inter-cultural festivals: There are many intra- and inter-cultural activities take place in the campus and outside. One technical intra- and inter-techno cultural activity is Hackathon.

Sports Activities:

GAMES AND SPORTS FACILITIES

The college has an athletic society. One senior faculty serves as the vice-president of the society with nominated student body. The society conducts all types of sports activities. The college is hosting annually one tournament "Engineers Cup" in cricket where many engineering colleges participate. The college has separate fields for cricket, football, basket ball etc.

Sports Prize in the Year 2018-19

CRICKET

1. Winner in IUSM held in Veer Surendra Sai Unviersity Of technology, Burla.
2. Winner in the Inter college CRICKET tournament held at SRI SRI UNIVERSITY,Cuttack.
3. Winner in the Inter college CRICKET tournament held at NLU-Cuttack.
4. Winner in the Inter college CRICKET tournament held at IIIT-Bhubaneswar.
5. Semi Finalists at the Inter College CRICKET tournament held at NIST-Berhampur.

FOOTBALL

1. Semi Finalists at IUSM held in Veer Surendra Sai University of technology, Burla.

2. Semi-finalists at the Reliance Inter college FOOTBALL championship, Bhubaneswar.

TABLETENNIS

1. Winner of the Inter College TABLE-TENNIS championship held at NLU, Cuttack.

BADMINTON (Boys+Girls)

1. Runners-up at the Inter college BADMINTON tournament held at Veer Surendra Sai University of technology, Burla.

2. Runners Up at the Inter College BADMINTON tournament held at AIIMS-Bhubaneswar.

3. Semi Finalists in the Inter College BADMINTON tournament held at NLU-Cuttack.

BASKETBALL (Boys+Girls)

1. Participants at the Inter College BASKETBALL tournament held at Silicon Institute Of Technology, Bhubaneswar.

2. Girls basketball team were the Finalists in the Inter College Basketball tournament held at Birla Global University, Bhubaneswar.

SOFT SKILL DEVELOPMENT FACILITIES:

The college has a language lab where the soft skill of the students is developed. Many experts are invited to interact with the students through different sessions for the development of soft skill and group discussion abilities.

Department-wise GATE Qualified Data:

| FINAL YEAR GATE PERFORMANCE OF THE YEAR 2018-19 | | | | | | | | |
|--|---------------|------------------------------|----------------------|-----------------------|-------------------------|--------------------------------------|------------------------------|--|
| SL. NO | BRANCH | TOTAL NO. OF STUDENTS | GATE APPEARED | GATE QUALIFIED | SUCCESS RATE (%) | OUTSIDE TUTORING / SELF STUDY | GATE ACADEMY STUDENTS | TOTAL STUDENTS TAKEN COLLEGE COURSE |
| 1 | ME | 149 | 106 | 34 | 32.07 | 16 | 18 | 50 |
| 2 | EE | 143 | 102 | 45 | 44.11 | 24 | 21 | 46 |
| 3 | CE | 135 | 96 | 20 | 20.83 | 8 | 12 | 53 |
| 4 | IEE | 136 | 47 | 20 | 42.55 | 17 | 3 | 32 |
| 5 | CSE | 76 | 41 | 18 | 43.9 | 14 | 4 | 15 |
| 6 | IT | 66 | 17 | 6 | 35.29 | 3 | 3 | 15 |
| 7 | BT | 19 | 16 | 5 | 31.25 | 0 | 5 | 15 |
| | TOTAL | 724 | 425 | 148 | 34.82% | 82 | 66 (29.20%) | 226 |

| STUDENTS DID NOT TAKE GATE ACADEMY COURSE | | | | | |
|--|---------------|-----------------------------|----------------------|-----------------------|---------------------|
| SL. NO | BRANCH | TOTAL NO OF STUDENTS | GATE APPEARED | GATE QUALIFIED | SUCCESS RATE |
| 1 | TE | 72 | 33 | 2 | 6.06 |
| 2 | B PLAN | 34 | 13 | 6 | 46.15 |
| 3 | MSC | 19 | | 2 | |

Examination and Evaluation System:

The institute follows two patterns of examination at present, one is guided by the rules and regulations of the BPUT University and the other one is by itself (due to academic autonomous status). After 2 more years the institute will follow its own examination pattern. The result publication and credential distribution at present is performed by BPUT University and CET, BBSR for both systems as provided above.

The timely publication of result is a major strength of the University and Institute. One internal examination, Quiz / assignment / technical presentation given due weightage. Showing answer script to the students before the publication of result makes the system more transparent. Timely publication of results have highest priority for the Institute and University.

Mid-semester examination/repeat mid-semester examination, end-semester examination and supplementary examinations are conducted by the University and Institute.

Internal evaluation for each theory paper in a Semester is done for 50 marks. The division of mark is done in the pattern: assignment- 5 marks, surprise test- 5 marks, quiz -10 marks and two class tests of each 1 hour duration- 20 marks. The internal pass mark out of 50 is 25. External evaluation for each theory paper is made through University examination at the end of the semester through a 3 hours exam duration with of full mark, 100. The pass mark for University exam is 35 out of 100.

For Practical/Sessional subjects in each semester, evaluation is made out of 50 marks for each subject. Pass mark is 25 out of 50. The evaluation scheme is made in the manner; daily performance -10 marks, lab. record- 10 marks, lab. quiz- 5 marks, final experiments & Viva-Voce- 25 marks.

Assignment + Quizzes (5+5=10) marks

Mid-Semester Examination 20 marks

End Semester Examination 70 marks

TEQIP-III

The College is proud to receive grants from World Bank through MHRD, Govt. of India under Technical Education Quality Improvement Programme-II (TEQIP-II) (Subcomponent 1.1) towards improvement in teaching, learning, training and employability process. Under this TEQIP scheme the College has been ranked as a top performer at National level obtaining 10 point out of 10 score in All India level as evident from the NPIU website. This project started in April, 2012 and it will continue till December, 2016. Till date, we have received financial grant of Rs. 3.875 crores in 1st Phase out of Rs. 10.0 crores for various Departments. Also proportionate fund is utilized towards training of faculty members in top-level foreign universities for enhancement of advanced knowledge in Engineering/Basic Sciences fields and technical staff, organizing seminar/ conferences, establishing Finishing Schools, academic support for weaker students etc and other related workshops for developmental work to strengthen the Institute in teaching, learning and employment in academics, research, consultancy and other services. Under this scheme, till 2014-15 academic session, financial assistanceship to 34 numbers of Non-GATE M. Tech. students amounting to Rs. 8000/- per month per student are provided. Similarly, through TEQIP the College is admitting full time regular Ph.D. students in various Departments with financial assistanceship of Rs. 18,000/- per month per student to the selected candidates. At present, 16 Ph. D. students in various Departments are working on full-time regular basis. This TEQIP-III programme is supervised by the Board of Governors (BOG) of TEQIP and Principal through a regulated TEQIP Cell having TEQIP Coordinator, various Nodal Officers and faculty members.

TEQIP has its own Board of Governors (BOG)

The TEQIP Cell of College consists of following faculty members:

- | | |
|---|----------|
| 1. Prof. P. K. Patra, Principal, CET | - |
| | Chairman |
| 2. Prof. L. N. Panda, TEQIP Coordinator | -Member |
| 3.. Prof. K. N. Das, Nodal Officer, Financial Aspects, TEQIP CELL | -Member |
| 4. Dr. P. K. Parida,, Nodal Officer, Procurement, TEQIP CELL | -Member |
| 5.. Dr. F. Baliarsingh, Nodal Officer, Civil Works & Environmental Management, TEQIP CELL | -Member |

Various activities under this TEQIP-II in different Departments of the College have been conducted since April, 2012 till date.

1. Finishing School on "MATLAB Training" during 27th Nov., 2012 to 12th December, 2012 organized by Computer Science & Engineering Department.
2. Short term course on "Fermentation & Enzyme technology" during 1- 5 Feb., 2013 organized by Biotechnology Department.
3. Workshop on "Mobile Web Applications" during 5-9 Feb., 2013 Tganized by Information Technology Dept
4. Short term course for FDP during 15th Mar.-20 Mar, 2013 organized by CE Dept.
5. One day Workshop for FDP on 23/03/2013 "Geotechnical Investigations" by Civil Engg. Dept.
6. International Conference on "Innovation in Textiles" during 12-13 April, 2013 organized by Textile Engineering Department.
7. Remedial Classes for academic weak students on "Data Structure" jointly organized by CSE & IT Department during 24th April, 2013 to 18th May, 2013.
8. Workshop on "Molecular Markers & Gene Cloning Techniques" during 19-21 Sept., 2013 by BT Dept.
9. Short term course on "Quantum Chemistry" during 23-28 Sept., 2013 by Chemistry Dept.*
10. Finishing School-cum-Remedial Class on "Data Communication and Computer Network" during 26th Sept., 2013 to 10th October, 2013 organized by Computer Science & Engineering Department.
11. Finishing School-cum-Remedial Class on "Theory of Computation" during 26th Sept., 2013 to 10th October, 2013 organized by Computer Science & Engineering Department.
12. Faculty Development Programme on "Advance Database System Concepts, Design & Practices" during 23rd Oct., 2013 to 7th Nov., 2013 organised by IT Dept.
13. Workshop on "Quality Engineering & Six Sigma" during 2-6 Dec., 2013 organized by Mech. Eng. Dept.*
14. International Conference on "Web Engineering Application" during 18-21 Dec, 2013 organized by IT Dept.
15. Short term training programme on "Phytochemicals in Biotechnology and Textile Industry" during 17-23 Jan., 2014 jointly organized by TE and BT.
16. FDP on "Soft Computing Techniques in Engineering Applications", during 20-24 Jan., 2014 organized by Mech. Engg. Dept.*
17. National Seminar on "Grid Management" during 30 Jan., 2014 to 1st Feb., 2014 organized by Electrical Engineering Department.*

Besides of the above activities at College level, faculty members, M. Tech. students and research scholars have been participating and presenting their research papers at various National/ International Conferences conducted in India and abroad under the above scheme. Also, they have been attending various Managerial /Technical and Academical Training Programmes at various reputed institutes like NTs, IIMs. Establishment of Smart Class room in all the Engineering Departments under this scheme will be implemented very soon.

Financial Information of CET, BBSR (2018-2019)

Receipt and Expenditure in 2018-19

| Head | Receipt in Rs. | Expenditure in Rs. |
|--|-----------------------|---------------------------------|
| Non-plan grants (Adm. Expenditure-EO & ME scheme) | 227804000 | 256659598 |
| Plan grants (programme expenditure) | 60000000 | 16748917 |
| SSP (Tuition fee from fee and lab. Mainly fee collected from the students) | 42816000 | 28114988 |
| Regular (Tuition fee, Exam. Fee & Lab. Maintenance fee) | 52331150 | Expn. booked in non-plan scheme |

Internal Revenue Generation

| Head | Cost in Rs. |
|--|--------------------|
| Consultancy fee | 652254 |
| Application for admn. fee and walk-in interview fees | 340300 |
| Tender fees | 38620 |
| Rent from bank | 360000 |
| Total | 1391174 |

Financial Information of TEQIP-III (2018-2019)

| Particulars | Costs in Rs. |
|--|---------------------|
| Equipments (1.1.1.1) | 2993831 |
| Faculty/Staff Development and Motivation (1.1.2.4) | 1269471 |
| Graduate Employability (1.1.2.3) | 5113904 |
| Hiring of Vehicles (1.1.3.5) | 13563 |
| Improve Students Learning (1.1.2.1) | 4502543 |

| | |
|---|-----------------|
| Industry Institute Interaction (1.1.2.11) | 347885 |
| Learning Resources (1.1.1.2) | 4098871 |
| Management Capacity Development (1.1.2.9) | 39964 |
| Meeting (1.1.3.4) | 172205 |
| Meeting/Twining System (1.1.2.7) | 77614 |
| Office Expenses (1.1.3.3) | 53923 |
| Quality Teachers (1.1.4.1) | 8117640 |
| Reforms and Governance (1.1.2.8) | 1455640 |
| Research Development (1.1.2.5) | 48869 |
| Travel Cost (1.1.3.6) | 274376 |
| Grand Total | 28580299 |