

# **MANDATORY DISCLOSURES**

## **BHUBANESWAR INSTITUTE OF TECHNOLOGY (BIT)**

### **ENGINEERING/TECHNOLOGY PROGRAMMES**

“The information has been provided by the concerned institution and the onus of Authenticity lies with the institution and not on AICTE.”

#### **I. NAME OF THE INSTITUTION :**

- ❖ Address including telephone, Fax, e-mail.

**BHUBANESWAR INSTITUTE OF TECHNOLOGY**  
INFOVALLEY, HARAPUR, BHUBANESWAR – 752054, ORISSA  
Ph.: +91-674-2113498, Fax: +91-674-2113497  
Email:bit@bit.edu.in

#### **II. NAME & ADDRESS OF THE DIRECTOR / PRINCIPAL**

- ❖ Address including telephone, Fax, e-mail.

**Prof.(Dr.) Sushil Kumar Sen-Director**  
INFOVALLEY, HARAPUR, BHUBANESWAR – 752054, ORISSA  
Ph.: +91-674-2113498, Fax: +91-674-2113497  
Email:-director@bit.edu.in

#### **III. NAME OF THE AFFILIATING UNIVERSITY**

**BIJU PATNAIK UNIVERSITY OF TECHNOLOGY**  
UGIE CAMPUS, JAIL ROAD, CHHEND  
ROURKELA, ORISSA, PIN: 769004

#### **IV. GOVERNANCE**

- ❖ Members of the Board and their brief background

Prof. Rabi N. Mahapatra, Texas A&M University, USA Academician	-	Chairman
Prof. Sunil Sarangi, Director, NIT, Rourkela Academician	-	Member
Mr. P.K. Mohapatra, IAS, Commissioner-cum-Secretary, Information and Technology, Nominee of State Govt.	-	Member
Prof. Gopal Nayak, Director, IIIT- Bhubaneswar, Academician	-	Member
Prof. Prasant Mohapatra, Univ. of California, Davis, USA Academician	-	Member
Mr. Rajesh Ram Mishra, VP, WIPRO Industry professionals	-	Member
Regional Officer, AICTE, Kolkata	-	Member
Director, BIT, Academician	-	Secretary

### ❖ Members of Academic Advisory Body

Prof. Rabi N. Mahapatra, Department of Computer Science, Texas A&M University, USA

Prof. Sunil Sarangi, Director, NIT, Rourkela

Prof. Laxmi Narayan Bhuyan, Professor and chairman, Dept. of computer Science,  
University of California, Riverside, USA

Prof. Prasant Kumar Mohapatra, Professor and chairman, Dept. of computer Science,  
University of California, Riverside, USA

Prof. Gopabandhu Mahapatra, Ex-Hod, Dept. of Physics, VSSUT, Burla

### ❖ Frequency of the Board Meetings and Academic Advisory Body

The Governing Body meets once in a year

### ❖ Organizational chart and processes

Annexure at end

### ❖ Nature and Extent of involvement of faculty and students in academic affairs/improvements

Faculty review academic achievements of students and students provide feedback on teaching they received from faculty. Faculty are involved on assessment of student performances in laboratory and projects. An annual academic review by faculty on existing curriculum is planned to provide additional feedback to the University for improving academic environment.

### ❖ Mechanism/Norms & Procedure for democratic/good Governance

The Governing Body is the highest authority. It lays down policies and guidelines. Director is the member of Governing Body acts as Head of the Institution in implementing all decision of the Governing Body. The academic admission is decentralized. The Head of the Departments have been given full authority in running the academic programs of their departments. Their authority extends to all faculty and staff of the Department on matters of grant of leave participation of their faculty in seminar, workshop and conference designing courses, holding seminars and conferences. The Professor of Training and Placement has full responsibility of placement and campus connected programmes. There is a professor-in-charge of Central Library who looks after day to day functioning of the library. There is an examination committee appointed by Director, which is responsible for conducting all examinations. There is an Academic Council constituted of all Heads of Departments with Director as Chairman, which takes all major decisions on academic matters and provides the collective leadership for good faculty governance.

The institute is being governed by certain rules and regulations adopted by the Governing Body. All the instructions passed from Governing Body through the Registrar are being carried out.

Rules adopted:

- 1) Service Rules for staff.
- 2) Leave Rules.
- 3) Hostel Rules.
- 4) Library Rules
- 5) Regulation for Students
- 6) Performance Appraisal scheme for promotion
- 7) Placement /Industry interface Cell

❖ **Student Feedback on Institutional Governance/faculty performance**

' Assessment of faculty' will be conducted by students every year.

❖ **Grievance redresses mechanism for faculty, staff and students**

For all staff and students, a grievance redress procedure will be followed which comprise a redress committee headed by the Registrar. All such cases are referred of the committee. If the committee recommends for its redressed and its modus operand, the recommendation then placed before the Governing Body meeting for further instruction

**V. PROGRAMMES**

❖ **Name of the Programmes approved by the AICTE : Degree Engineering Program**

❖ **Name of the Programs accredited by the AICTE : Not yet**

❖ **For each Program the following details are to be given:**

➤ **Name :** Engineering Programme (B.Tech)

➤ **Number of seats :**

Sl. No.	Courses	Approved Intake
1.	Computer science and Engineering	60
2.	Information Technology	30
3.	Electronics & Communication Engineering	60
4.	Electrical & electronics Engineering	90
	<b>Total Intake :</b>	<b>240</b>

➤ **Duration :** 4 Years

➤ **Cut off mark/rank for admission during the last three years :** N/A

➤ **Fee :** (Tuition fee) Rs. 62,500.00 per year

➤ **Placement Facilities :** BIT has set up a placement cell that will identify the industry needs and demands from time to time and prepares its graduating engineering students to meet the challengers. The placement cell will invite friends of BIT's and top business firms to campus for providing career information, Personality Development and consultation with a primary objective of enhancing job readiness and employability skills of our students. Seminars and talks have already started by our Trustees and Adjunct faculties from the industry and institutions.

➤ **Campus placement in last three years with minimum salary, maximum salary and average salary :** N/A

❖ Name and duration of programs having affiliation/collaboration with Foreign University(s)/ Institution(s) and being run in the same Campus along with status of their AICTE approval. If there is foreign collaboration, give the following details: No

- **Details of the Foreign Institution/University:**

- Name of the University/Institution
- Address
- Website
- Is the Institution/University Accredited in its Home Country
- Ranking of the Institution/University in the Home Country
- Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which has approved equivalence. If no, implications for students in terms of pursuit of higher studies in India and abroad and job both within and outside the country.
- Nature of Collaboration
- Conditions of Collaboration
- Complete details of payment a student has to make to get the full benefit of collaboration.

- For each Collaborative/affiliated Programme give the following:

- Programme Focus
- Number of seats
- Admission Procedure
- Fee
- Placement Facility
- Placement Records for last three years with minimum salary, maximum salary and average salary

- Whether the Collaborative Programme is approved by AICTE? If not whether the Domestic/ Foreign Institution has applied to AICTE for approval as required under notification no. 37-3/Legal/2005 dated 16th May, 2005 : N/A

## VI. FACULTY

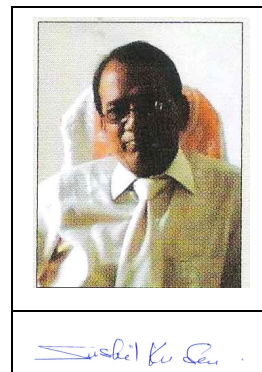
➤ Branch wise list faculty members:

- Permanent Faculty : Attached Branch wise
- Visiting Faculty : Nil
- Adjunct Faculty : 7 nos
- Guest Faculty : Nil
- Permanent Faculty : Student Ratio 1: 15

➤ Number of faculty employed and left during the last three years: 1

## VII. PROFILE OF DIRECTOR/PRINCIPAL

1. Name : Sushil Kumar Sen
2. Date of Birth : 7<sup>th</sup> Day of OCT, 1946
3. Educational Qualification : M.Sc, Ph.D
4. Work Experience
  - Teaching : 34 years
  - Research : 27 years
  - Industry : 17 years as Consultant
  - Others :
5. Area of Specializations : Inorganic & Analytical Chemistry
6. Subjects teaching at
  - Under Graduate Level : Chemistry( Atomic Structure, Chemical Bonding, Chemical energetic, Chemical Kinetics, Colloids, Aromatic part of Organic Chemistry)
  - Post Graduate Level : Chemical Bonding
7. Research guidance : Guided research scholars for Ph.D degree with UGC's minor research Project.  
No. of papers published in
  - Masters's : - National Journals: 4 papers
  - Ph.D. : - International Journals: 2 papers
  - : - Conferences 7 papers
8. Projects Carried out : Industrial Projects ( Alum Manufacturing by Cold Process utilizing spent Sulphuric Acid)
9. Patents : NIL
10. Technology Transfer : One Industrial Project on Alum
11. Research Publications : 32 research papers in reputed international Journals, Anal.chem, Transition Metal Chemistry, Journal of Electroanalytical Chemistry, Etc.
12. No. of Books published with details : One book for Higher Secondary students (11& 12<sup>th</sup> standard) under Kalyani Publisher is in progress.



## PROFILE OF FACULTY

1. Name : Dr. Satrujit Mishra
2. Date of Birth : 12.07.1976
3. Educational Qualification : M.Sc.(Physics), M.Phil. (Physics).,  
Ph.D. (Physics)
4. Work Experience
- Teaching : 1year
  - Research : 6 year
  - Industry :
  - Others :
5. Area of Specializations : Material Science, Solid State Physics, Nuclear Physics
6. Subjects teaching at  
Under Graduate Level : Light Waves, Electricity & Magnetism, Modern Physics  
Post Graduate Level :
7. Research guidance
- No. of papers published in
- Masters's - National Journals:
  - Ph.D. - International Journals:
  - Conferences:
8. Projects Carried out : Nil
9. Patents : Nil
10. Technology Transfer : Nil
11. Research Publications : 6(3 National Journals+3 International Journals), 10(Conferences)
12. No. of Books published : Nil  
with details



Satrujit Mishra

## PROFILE OF FACULTY

2. Name : Himansu Bhusan Nanda
2. Date of Birth : 14.04.1982
3. Educational Qualification : M.Sc (Physics)
4. Work Experience
- Teaching :
  - Research : 7 months
  - Industry :
  - Others :
5. Area of Specializations : Material science
6. Subjects teaching at
- Under Graduate Level :
  - Post Graduate Level :
7. Research guidance
- No. of papers published in Masters's : - National Journals: Nil
  - Ph.D. : - International Journals: Nil
  - : - Conferences: Nil
8. Projects Carried out : Nil
9. Patents : Nil
10. Technology Transfer : Nil
11. Research Publications : Nil
12. No. of Books published : Nil  
with details



Himansu Bhusan Nanda.

## PROFILE OF FACULTY

1. Name : Biswa Ranjan Dash
2. Date of Birth : 5<sup>th</sup> July,1980
3. Educational Qualification : B.E.(Computer Sc. And Engg)
4. Work Experience
  - Teaching : CLP Programme at BIT
  - Research :
  - Industry : UST Global,Trivandrum(Aug.2006 to Feb.2008)  
Nalco (April 2005-April 2006)
  - Others :
5. Area of Specializations : Computer Science and Engineering(C, DSTC, DBMS, Software Engineering)
6. Subjects teaching at
  - Under Graduate Level :
  - Post Graduate Level : Nil
7. Research guidance
  - No. of papers published in
    - Masters's - National Journals:
    - Ph.D. - International Journals:
    - Conferences
8. Projects carried out : Nil
9. Patents : Nil
10. Technology Transfer : Nil
11. Research Publications : Nil
12. No. of Books published : Nil  
with details



*Biswa Ranjan Dash*

## PROFILE OF FACULTY



Samit Kumar Ghosh.

1. Name : Samit Kumar Ghosh
2. Date of Birth : 24/01/1979
3. Educational Qualification : M.Tech (NIT Rourkela)
4. Work Experience
  - Teaching : 4 Years
  - Research :
  - Industry : 1 Year
  - Others :
5. Area of Specializations : Electronics System & Communications
6. Subjects teaching at
  - Under Graduate Level : Basic Electronics, Digital Electronics, Electromagnetic Theory, Microwave Engg, VLSI Design, Embedded Systems
  - Post Graduate Level : NA
7. Research guidance
  - No. of papers published in Masters's : - National Journals: NA
  - Ph.D. : - International Journals:NA
  - : - Conferences:NA
8. Projects Carried out : 2
9. Patents :NA
10. Technology Transfer : NA
11. Research Publications : NA
12. No. of Books published : NA  
with details

## PROFILE OF FACULTY

1. Name :SH. SUSHANT KUMAR JENA
2. Date of Birth :02/09/1974
3. Educational Qualification :B.E(MECHANICAL ENGINEERING)
4. Work Experience
  - Teaching :
  - Research :
  - Industry :ALMOST 10 YEARS(RELIANCE INDUSTRIES LTD,  
OSWAL CHEMICALS & FERTILIZERS LTD.PARADEEP)
  - Others :
5. Area of Specializations : MECHANICAL ENGINEERING
6. Subjects teaching at
  - Under Graduate Level :NA
  - Post Graduate Level :NA
7. Research guidance
  - No. of papers published in Masters's : - National Journals:NA
  - Ph.D. : - International Journals: NA
  - : - Conferences : NA
8. Projects Carried out :VANE PUMP&DEVELOPMENT OF A SIMPLE FUEL INJECTION SYSTEM FOR  
A SINGLE CYLINDER FOUR-STROKE SI ENGINE (DURING B.E,ENGG. COURSE).
9. Patents : NA
10. Technology Transfer : NA
11. Research Publications : NA
12. No. of Books published : NA  
with details



*Sushant Kumar Jena.*

## PROFILE OF FACULTY

1. Name : SUNIL KUMAR ROY
2. Date of Birth : 14<sup>th</sup> June 1974
3. Educational Qualification : M.Sc (Chem)
4. Work Experience
  - Teaching : 11 years Teaching Experience
  - Research : 02 years Research experience
  - Industry :
  - Others :
5. Area of Specializations : Physical Chemistry
6. Subjects teaching at Under Graduate Level : Organic, Inorganic & Physical Chemistry  
Post Graduate Level :
7. Research guidance
  - No. of papers published in Masters's - National Journals: NA
  - Ph.D. - International Journals: NA
  - Conferences : NA
8. Projects Carried out : NIL
9. Patents : NA
10. Technology Transfer : NA
11. Research Publications : NA
12. No. of Books published : NA  
with details



*Sunil Kumar Roy*

## PROFILE OF FACULTY

- |                              |   |   |
|------------------------------|---|---|
| 1. Name                      | : | Somnath Das   |
| 2. Date of Birth             | : | 5 <sup>th</sup> Nov. 1973   |
| 3. Educational Qualification | : | M.Tech(Comp.Sc) , M.phil (Math.)  |
| 4. Work Experience           | : | 7 years   |
| • Teaching                   | : |   |
| • Research                   | : |   |
| • Industry                   | : |   |
| • Others                     | : |   |
| 5. Area of Specializations   | : | Cryptography, Pattern recognition, Algorithm analysis                   |
| 6. Subjects teaching at      | : |   |
| Under Graduate Level         | : | DMS, CG, ADA, DS, OS, C prog, Simulation and Modeling, NM               |
| Post Graduate Level          | : | Cryptography, Pattern recognition                                       |
| 7. Research guidance         | : |   |
| No. of papers published in   | : |   |
| Masters's                    | : | - National Journals:  |
| Ph.D.                        | : | - International Journals:   |
|                              | : | - Conferences   |
| 8. Projects Carried out      | : | EduAid-An educational aid for data structure, Library Management System |
| 9. Patents                   | : | Nil   |
| 10. Technology Transfer      | : | Nil   |
| 11. Research Publications    | : | Nil   |
| 12. No. of Books published   | : | Nil   |
| with details                 | : |   |



A handwritten signature in blue ink that reads "Somnath Das". The signature is enclosed in a simple black rectangular box.

## VIII. Fee

- Details of fee, as approved by State fee Committee, for the Institution.

Sl. No.	Particulars	1 <sup>st</sup> Year payable by August, 2009 (Rs.)
1	Academic fee	50,000.00
2	Placement Assistance Fees (Annually)	2,500.00
3	Blazer (One time)	2,500.00
	<b>Total :</b>	<b>55,000.00</b>

- Time schedule for payment of fee for the entire programme : 4 years
- Number of scholarship offered by the institute, duration and amount : Nil
- Criteria for fee waivers/scholarship: Means and Academic performance
- Estimated cost of Boarding and Lodging in Hostels:
- Lodging : Rs.18,000.00 per year.
  - Boarding : Rs.1,000-1500 per month
  - Caution money (Refundable) : Rs.5,000.00 one time

## IX. ADMISSION

- Number of seats sanctioned with the year of approval.

AICTE file no-760-82/(NDEG)/ET/2008/020 Date-14.08.2008

Sl. No.	Courses	Approved Intake in 2008-09	Approved Intake in 2009-10
1.	Computer science and Engineering	60	60
2.	Information Technology	60	30
3.	Electronics & Communication Engineering	60	60
4.	Electrical & electronics Engineering	60	90
	<b>Total Intake :</b>	<b>240</b>	<b>240</b>

- Number of students admitted under various categories each year in the last three years : N/A

- Number of applications received during last two years for admission under Management Quota and number admitted : N/A

## X. ADMISSION PROCEDURE

- Mention the admission test being followed, name and address of the Test Agency and its URL (website).
  - Joint Entrance Examination Engineering & Medical -JEE (E &M) instituted by Govt. of Orissa – [www.jeeorissa.com](http://www.jeeorissa.com)
  - AIEEE qualified candidates are eligible to be admitted through AIEEE counseling as well as Management quota.
- Number of seats allotted to different Test Qualified candidates separately [AIEEE/CET (State conducted test/University tests)/ Association conducted test]

Year	OJEE	JEE/NRI	AIEEE	TOTAL
2009-10	70%	15%	15%	100%

## XI. CRITERIA AND WEIGHTAGES FOR ADMISSION

- Describe each criteria with its respective weightages i.e. Admission Test, marks in qualifying examination etc.
  - Admission is strictly on merit and preference of the candidate state clearly in his/her signed application. As there are no correspondences among JEE, CET and AIEEE rank of candidates the Institute given preference to JEE and AIEEE in that order.
  - List of candidates to be admitted against Management quota and vacant seats is displayed in the notice board of the Institute well in advance.
- Mention the minimum level of acceptance, if any.
- Mention the cut-off levels of percentage & percentile scores of the candidates in the admission test for the last three years.
- Display marks scored in Test etc. and in aggregate for all candidates who were admitted.

Item No I - XI must be given in information brochure and must be hosted as fixed content in the website of the Institution.  
The Website must be dynamically updated with regard to XII–XV.

## XII. APPLICATION FORM

- Downloadable application form, with online submission possibilities.

For state quota this facilities created by state JEE Admission committee

No application form for admission against Management quota and vacant seats has been designed and put on an website yet. Because all admission process is conducted by Orissa JEE committee of Govt.of Odisha.

### XIII. LIST OF APPLICANTS

- List of candidates whose applications have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats. List of candidates who have applied along with percentage and percentile score for Management quota seats.
  - a) Open seats (or state quota seats) are filled by state conducted OJEE. So Institute has received no applications from candidates for open seats.
  - b) List of candidates and their preference who had applied for management quota seats.  
N/A

### XIV. RESULTS OF ADMISSION UNDER MANAGEMENT SEATS/(NRI) VACANT SEATS

The process of admission under Management quota and vacant seats is not exactly as given under this section. The process so far has been as follows:

An Admission Committee consisting of

- (1) Director
- (2) COO
- (3) A Head of the Department not below the rank of Professor

Have had processed the applications, listed the candidates to be admitted to different programmes based on their merit (JEE/ AIEEE in that order) and preference and notified the list in the Notice Board of the Institute. A copy of notification is submitted herewith.

- Composition of selection team for admission under Management Quota with the brief profiles of members (This information be made available in the public domain after the admission process is over)
- Score of the individual candidates admitted arranged in order of merit.
- List of candidates who have been offered admission.
- Waiting list of the candidates in order of merit to be operative from the last date of joining of the first list candidates.
- List of the candidates who joined within the date, vacancy position in each category before operation of waiting list.

### XV. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

#### LIBRARY:

- Number of Library books/Titles/Journals available (programme-wise) : 5027 books
- List of online National/International Journals subscribed :
- E-Library facilities :

## LABORATORY:

For each Laboratory

- List of Major Equipment/Facilities

Sl. No.	Name of the Laboratories	Area (Size)	Major facilities
1	Computer	152 sq mt.	61 nos of computers along with one IBM server connected in LAN with linux OS .
2	Physics	225 sq. mt.	CRO, lees apparatus, Steam boiler, Bartons Aparatus, Surface tension apparatus, Travelling microscope, Reading telescope, Newton rings apparatus, P-N Junction diode apparatus, Rigidity modulus apparatus, R.C circuit apparatus, Transistor characteristics apparatus, Youngs modulus apparatus, bending of beam apparatus, resonance apparatus, Stroke apparatus.
3	Chemistry	176 sq. mt.	Electric furnace, Magnetic stirrer, Hot air oven, Water bath, PH meter, Spectro photo meter besides glass apparatus, Electronics Balance.
4	Workshop	900 sq. mt.	Pillar drill machine, Bench grinder, Milling machine-1no, Lathe-4 nos, Heavy Duty Hand lever shearing machine- 1 no, folding machine-1 no, pillar type mechanical press-1no, Gas welding setup, Welding transformer- 2 nos, Shaper machine-1 no.
5	Engg. Drawing	175 sq. mt.	Equipped with 60 nos of drawing tables and stools.
6	Electronics lab	110 sq. mt.	Oscilloscope-9nos, Digital Multimeter-10 nos, Function Generator- 4 nos, Diode Study Trainer-1 no, Rectifier Study Trainer-1 no, BJT Transistor model – 1no, Op-Amp based Integrator and Differentiator- 1 no, RC Coupled amplifier- 1no, Digital logic Trainer-1 no, Decade resistance Box- 2 no and others as per requirement.
7	Electrical lab	210 sq. mt.	DC compound motor, wattmeter, Variac, Energy meter, Squirrel Cage Induction Motor, Fan Motor, Digital Tachometer, panel boards and other items as per requirement.

- List of Experimental Setup

## COMPUTING FACILITIES :

Number and Configuration of Systems : 100,PIV and Core 2 Duo

Total number of systems connected by LAN : ALL

Total number of systems connected to WAN : All

Internet connection from STPI-512 kbps,

Major software packages available : C, C++, VB, JAVA, Linux 9, Window 2000 server, windows XP professional,

Special purpose facilities available : yes

List of facilities available.

- Games and Sports Facilities : Badminton, Volley Ball, Court Table, Tennis, Cricket and football
- Extra Curriculum Activities : Yoga camps, Blood Donation Camps, Soft Skill Development Facilities, Literary Completion like Debate, essay writing, wall magazine, painting, Drawing, music, dance, drama, singing and other cultural activities.
- Teaching Learning process; lecture, laboratory practical, projects, seminar, presentation, Curricula and syllabi for each of the programmes as approved by the University BIJU PATNAIK UNIVERSITY OF TECHNOLOGY , ROURKELA
- Academic Calendar of the University : As per Biju Patnaik University of Technology calendar Academic Time Table

Number of Classrooms and size of each *4 nos with av. area 75 sq.m.*

Number of Tutorial rooms and size of each *2 nos with av. area 37 sq.m.*

Number of laboratories and size of each *4 nos with av. area 175 sq.m.*

Number of drawing halls and size of each *one with area 175 sq.m.*

Number of Computer Centres with capacity of each *one with area 152 sq.m.*

Central Examination Facility, Number of rooms and capacity of each.

*Five 50 seater examination halls with av. Area 75 sq.m.*

Teaching Load of each Faculty

*Two subjects (between 6 to 10 hours classes per week depending on the credit of the course.*

*Two to three laboratory classes (between 6 to 9 hours per week)*

Internal Continuous Evaluation System and place

*According to the academic regulation of the university three internal tests are to be conducted for every theory subject during a semester in regular interval as specified in the university academic calendar. Every practice class is evaluated out of 10 points.*