



# VITS ENGINEERING COLLEGE

DAMANABHUIN, KHORDHA-752020

(Approved by AICTE, MHRD, Govt. of India. Affiliated to BPUT, Odisha)



## MANDATORY DISCLOSURE (B.TECH PROGRAMME)

"The Information has been provided by the concerned Institution and the onus of authenticity lies with the Institution and not on AICTE."

01. NAME OF THE INSTITUTION: -

## VITS ENGINEERING COLLEGE (VITS)

Village : DAMANABHIN  
District : KHORDHA  
State : ODISHA  
Pin Code : 752020  
STD Code :  
Phone No : 09777106177  
Fax No :  
E-mail : [vitstech@gmail.com](mailto:vitstech@gmail.com)

02. NAME & ADDRESS OF THE PRINCIPAL :-

Name : **Prof (Dr) Pradipta Kumar Dash**  
Address : VITS Engineering College  
At: Damanabhin  
Po: Jankia  
District: Khordha  
Pin: 752020

Longitude: 20.060655504080152, Latitude: 85.5318491371286

Telephone No :  
Fax No. :

Office hours at the Institution: 9 AM to 5 PM.

E-mail : [vitstech@gmail.com](mailto:vitstech@gmail.com)

Website : [www.vitstech.in](http://www.vitstech.in)

Nearest Railway station (dist in Km): Nirakarpur – 8 Km Nearest Airport (dist in Km):- Bhubaneswar- 42 Km.

03. Type of Institution : Private-Self Financed.Category(1)of the Institution:Non minority.  
Category(2) of the Institutiion : Co-Education.

04. Name of the Organization running the Institution : VIDYASAGAR INSTITUTE OF TECHINAL STUDIES

]Address of the organization : VIDYASAGAR INSTITUTE OF TECHINAL STUDIES  
HOG-20/6,Housing board Colony ,Chandrasekharpur, Bhubaneswar - 751016

Registered with : Society.

Registration date : 24/11/2009

Website of the organization : [www.vitstech.in](http://www.vitstech.in)

05. NAME OF THE AFFILIATING UNIVERSITY: - Biju Patnaik University of Technology

Address: Chhend Colony, Rourkela, Odisha-769004.

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

06. Name of Principal : **Prof(Dr). Pradipta Kumar Dash**  
Exact Designation : Principal  
Phone number : 09777106177  
Fax number with STD Code :  
E-mail : [principal@vitstech.in](mailto:principal@vitstech.in)  
Fax No. :

07. **Governing Board Members:**

1. Sasmita Manjari Panda, : Chairman  
Chairman VITS Foundation
  2. Principal : Member Secretary  
Vits Engineering College (Ex-officio)
  3. Manaswini Panda, (W) : Member  
Secretary VITS Foundation (Trust Nominee)
  4. Manoj Kumar Panda : Member  
Trustee, VITS Foundation (Trust Nominee)
  5. Nominee from AICTE, ERO, Kolkata : Member (To be nominated)  
(Request letter already sent)
  6. Nominee from BPUT, Affiliating University : Member (To be nominated)  
(Request letter already sent)
  7. Nominee from Govt. of Odisha, : Member (To be nominated)  
Dept. of Skill Development & Technical Education)  
(Request letter already sent)
  8. Dr. Pradipta Kumar Dash : Member  
Professor, Mechanical Engineering  
VITS Engineering College, Khordha  
Bhubaneswar
- 1) Prof. Rajanikanta Dash, Professor in Mechanical Engineering
  - 2) Prof. Saptarshi Ranjan Khuntia, Professor in Computer Science Engineering
  - 3) Prof. Dr. M.k Rath, Ph.D Professor in Mechanical Engineering
  - 4) Prof. Minati Singh, Ph.D Professor in Basic Science Engineering
  - 5) Prof. Bhimasen Mohanta, Professor in Electrical Engineering

## GOVERNANCE:-

### i) **Member of the Board and their brief background:-**SPBM FOUNDATION TRUST

- 1) **Chairman : Mrs.Sasmita Manjari panda**  
Bhubaneswar Dist. Khordha Educationalist
- 2) **Secretary : Mrs. Manaswini Panda**  
Hosing Board Colony,Bhubaneswar - 751016

### **Governing Body**

- |    |                           |   |  |
|----|---------------------------|---|--|
| 1. | Mrs.Sasmita Manjari panda | - | Chairman                                       |
| 2. | Mrs. Manoswini Panda      | - | Secretary                                      |
| 3. | Dr. Pradipta kumar Dash   | - | Member   |
| 4. | Prof.(Dr.) M. K Rath      | - | Member   |
| 5. | AICTE Nominee             | - | Member( To be nominated)                       |
| 6. | State Govt. Nominee       | - | Member(To be suggested by the Govt. of Odisha) |
| 7. | University Nominee        | - | Member(To be suggested by BPUT, Odisha)        |

### ii) **Member of Academic Advisory Body:-**

1. Prof. Rajanikanta Dash, Professor in Mechanical Engineering
2. Prof. Saptarshi Ranjan Khuntia, Professor in Computer Science Engineering
3. Prof. Dr. M.k Rath, Ph.D Professor in Mechanical Engineering
4. Prof. Minati Singh, Ph.D Professor in Basic Science Engineering
5. Prof. Bhimasen Mohanta, Professor in Electrical Engineering

### iii) **Frequency of the Board Meetings and Academic Advisory Body:** - Twice a year

### iv) **Organizational chart and process :** - Enclosed in (Annexure – I)

### v) **Nature and Extent of involvement of faculty and students in academic affairs /improvements:-**

1. Academic Information System (AIS) is installed for developing and delivering teaching materials in academic affairs.
2. State of Art Technology are installed for conducting class to enhance the quality of teaching..
3. Visuals and teaching adds on important courses, containing lecturers delivered by eminent professors are procured for the students.

### vi) **Mechanism/ norms & procedure for democratic/ good Governance:-**

- ▶ Under the guidance of Trustees, Governing Council, Academic Advisory Body, the day-to-day operations of **VITS** is managed by Principal, Deans, with help from HOD's and Faculty members with individual responsibility.

### vii) **Student Feedback on Institutional Governance/faculty performance:-**

- ▶ Semester wise feedback system, regular faculty development program & faculty appraisal helps for the assessment of the performance of the faculty members.

### viii) **Grievance redressed mechanism for faculty, staff and students:-**

- Complaints/Suggestion boxes are available at Library/Hostels. Student's interaction with Principal and a separate grievance cell meeting on weekly basis to discuss the various day to day issues.

## PROGRAMMES :

(i) Name of the Programmes approved by the AICTE :

### Bachelor of Technology

- 1) Electrical Engineering
- 2) Electronics and Communication Engineering
- 3) Computer Science and Engineering
- 4) Mechanical Engineering

### Name of the Programs Approved by the AICTE: All programs

(i) For each Program the following details are given:-

#### B.Tech

Name	:	Bachelor of Technology
Number of seats	:	240 per year
Duration	:	4 years
Cut of mark/rank for admission During the last three years	:	Centralized counseling conducted by OJEE, Odisha through JEE(Main)
Fee	:	51,000/- (per year)
Placement facilities	:	Yes
Campus placement in last three Years with	:	1245
Minimum salary	:	2.0 Lakh Per annum
Maximum salary	:	8.0 Lakh Per annum
and Average salary	:	3.4 Lakh Per annum

**Name and duration of programme (s) 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 detail.**

Note:- None of our programme (s) having affiliating/collaboration with Foreign University(s)/ Institution(s) and none of other programme (s) being run in the same campus along with status of AICTE.

**FACULTY:**

**(i) Branch wise list of faculty members:-**

No of Permanent Faculty : 45  
Visiting Faculty : 17  
Adjunct Faculty : Nil  
Guest Faculty : 07  
Permanent Faculty: Student Ratio : 1:20

**(ii) Number of faculty employed (E) and left (L) during the last three years :-**

2025-26		2024-25		2023-24	
E	L	E	L	E	L
16	4	14	3	13	6

**PROFILE OF PRINCIPAL WITH QUALIFICATION, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED :-**

(i) Name : Dr. Pradipta Kumar Dash

(ii) Date of Birth : 1<sup>st</sup> July 1979

Age : 46 yrs

Academic qualifications (with field of specialization)

Ph.d in Mechanical Engineering (2023),

M.Tech in Heat Power Engineering (2011),

B.Tech in Mechanical Engineering (2004)

Details of Experience (Academic / Industrial) :

Teaching : 17 years

Industry : 03 years

Research : 04 years



Area of specialization : Robotics & Mechatronics ,Thermal/Fluid Sciences, and Materials Engineering

Subject Teaching at Under Graduate Level : Thermodynamics, Refrigeration, Fluid Mechanics

Subject Teaching at PG Level : Advanced Fluid Mechanics, Advanced Thermodynamics

No of paper published : National Journals (2 nos.) International Journals (0 nos)

Patents : Nil

Technology Transfer : Nil

Research Publications : 04

Date of the appointment in the present Institution :1<sup>st</sup> September 2020 and promoted to the position of principal

20.02.2021 Duration of employment at the Institute concerned : 6 Years & Continuing

(iii) For each faculty give a page covering:

Note:- Enclosed in **Annexure – II** (separate sheet for each faculty in department wise as per format given)

**FEE :**

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

**B.Tech: First Year:-**

Tuition Fee	51,000
Transport Fees	14,000
Caution Money(Refundable)	nil
Total	65,000

**Note : The College has its own hostel for boys inside of the campus**

**(i) Time scheduled for payment of fee for the entire program:-**

Institute is providing the following two options for payment of fees.

(i) Onetime payment at the beginning of the academic year

**Or**

(ii) Before the commencement of each Semester.

<b><u>Sl.No.</u></b>	<b><u>Name of Scholarship</u></b>	<b><u>Duration</u></b>	<b><u>Amount</u></b>
1)	VITS Foundation Trust Scholarship	Each year	NIL

**Criteria for fee waivers/scholarship :-**

- Annual Income of the parents must be less than 4 Lakhs p.a.
- 5% of the total intake of each branch can be filled up by TFW scheme.
- Selection will be as per the secured ranks in the Joint Entrance Examinations

**Estimated cost of boarding and lodging in hostels:** - Rs. 45,000/- p.a. + 2000/- caution money (1 time payment.)

**ADMISSION:-**

**(i) Number of seats sanctioned with the year of approval:-**

(ii) Number of students admitted under various categories each year in the last three years:-

	Courses	2024-2025		2023-2024		2022-2023	
		Sanctioned intake	Actual admission	Sanctioned intake	Actual admission	Sanctioned intake	Actual admission
B.Tech	Computer Science & Engineering	60	14	60	22	60	21
	Electronics and Telecommunication Engineering	60	25	60	17	60	04
	Electrical Engineering	60	60	60	60	60	60
	Mechanical Engineering	60	60	60	60	60	60

(iii) Number of applications received during last two years for admission under Management Quota and number admitted:-

Admission has been made strictly through central counseling of OJEE, Odisha. No management seats are permitted to take admission.

**ADMISSION PROCEDURE:-**

(i) Mention the admission test being followed, name and address of Test Agency and its URL(website) :-

- JEE (Main) conducted by National Testing Agency established by Ministry of Education, Govt.of India. Website: [jeemain.nta.nic.in](http://jeemain.nta.nic.in)
- J.E.E.(Joint Entrance Examination, Orissa ), J.E.E. Complex, BPUT, Gandamunda,Bhubaneswar, Orissa, Website: [odishajee.com](http://odishajee.com), [ojee.nic.in](http://ojee.nic.in)

(ii) Number of seats allotted to different Test Qualified candidates separately [AIEEE/ CET (State conducted test/University tests)/ Associated conducted test]:-

- All the seats are filled up through counseling process by OJEE, Odisha.

(iii) Calendar for admission against management/vacant seats :-

a) Last date for request for applications :

- As per the guideline of admission rules/procedure prescribed by Odisha Joint EntranceExamination, Odisha.

b) Last date for submission of application:

- As per the guideline of admission rules/procedure prescribed by Odisha Joint EntranceExamination, Odisha

**c) Date of announcing final results :**

- As per the guideline of admission rules/procedure prescribed by Odisha Joint Entrance Examination, Odisha

**d) Release of admission list (main list and waiting list should be announced on the sameday):**

- As per the guideline of admission rules/procedure prescribed by Odisha Joint Entrance Examination, Odisha

**e) Date for acceptance by the candidate (time given should in no case be less than 15 days) :**

- As per the guideline of admission rules/procedure prescribed by Odisha Joint Entrance Examination, Odisha

**f) Last date for closing of admission :**

- As per the guideline of admission rules/procedure prescribed by Odisha Joint Entrance Examination, Odisha

**g) Stating of the Academic session : (As per Academic Calendar of BPUT, Odisha)**

- 1<sup>st</sup> week of July of every year for existing students
- 3<sup>rd</sup> week of August of every year for newly admitted students.

**h) The waiting list should be activated only on the expiry of date of main list:**

- As per the guideline of admission rules/procedure prescribed by Odisha Joint Entrance Examination, Odisha

**i) The policy of refund of the fee, in case of withdrawal, should be clearly notified:**

- The Institute is refunding the fees after receiving seat cancellation letter from the student/parent and the same is communicated to the University as per the guidelines of OJEE, Odisha.

**CRITERIA AND WEIGHTAGES FOR ADMISSION:-**

**(i) Describe each criteria with its respective weight ages i.e. Admission Test, marks in qualifying examination etc:-**

- The Institute follows the guidelines of admission rules/procedure prescribed by Odisha Joint Entrance Examination, Odisha for all courses.

**(ii) Mention the minimum level of acceptance, if any :-**

- The Institute follows the guidelines of admission rules/procedure prescribed by Odisha Joint Entrance Examination, Odisha for all courses.

**(iii) Mention the cut-off levels of percentage & percentile scores of the candidates in the admission test for the last three years :- -Not Applicable-  
(As the admissions are through central counseling J.E.E. Orissa)**

**(iv) Display marks scored in Test etc. and in aggregate for all candidates who were admitted:-Not Applicable-  
As the admissions are through central counseling of OJEE. Odisha**

**APPLICATION FORM :-**

**(i) Downloadable application form, with online submission possibilities:-**

- The Institute follows the guidelines of admission rules/procedure prescribed by Odisha Joint Entrance Examination, Odisha for all courses.

## LIST OF APPLICANTS:-

- The Institute accepts all the allotted students sent by OJEE, Odisha as per the admission rules & regulation prescribed by OJEE, Odisha

## RESULTS OF ADMISSION UNDER MANAGEMENT SEAT/VACANT SEATS :-

- (i) OJEE, Odisha publishes the list of students allotted to the Institute in different courses. The allotted students report to the Institute before the deadlines prescribed by OJEE, Odisha.
- (ii) After the counseling process, the Institute accepts application from new candidates for admission in different streams against vacant seats ( if any)
- (iii) The admission of the candidates applied against the vacant seats will be duly confirmed by OJEE, Odisha as per the schedule.

## INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE:-

### (i) LIBRARY

#### a) Number of Library books/Titles/Journals available (Programme-wise):-

Sl.No.	Items	Total Available
1.	Volume	21786
2.	Title	3456
3.	Journal (International)	28
4.	Journal (National)	53

#### b) List of online National/International Journals subscribed:-

National Journals - 53  
International Journals - 28

#### c) E-Library facilities: - Yes

### (ii) LABORATORY :- Details of Laboratories & Workshops

Sl. No	Name of the Course	Name of the laboratory/workshop	Major equipment
1	Computer Science	Computer Centre	525 no.s Desktop with 10 Intel dual Core Due Processor, 160 GB HDD, 1GBRAM, 2.8 GHz
2	Electronics & Communication Engineering	Basic Electronics Analog Electronics Engineering	1) DC register power supply unit – 04 nos 2) CRO 20 Mhz – 06 nos 3) Trainer kits for diode, rectifier, FET gate etc. – 14 nos 4) Function generator – 05 nos 5) Accessories
3	Mechanical Engineering	Workshop	1. Welding machine – 03 nos 2. Milling machine -01 3.TIG welding machine – 02 4. Drilling machine 5. Shaping machine (Shaper) – 01 6. Bench grinding machine – 2nos 7. Lathe machine – 2 nos 8. Power hacksaw machine 9. 3jawchuck for lathe machine – 02
		Drawing Hall	Drawing Tables – 60 nos

4	Physics	Physics Lab	<ol style="list-style-type: none"> <li>1) Bar pendulum – 03 nos</li> <li>2) Ultrasonic Interferometer – 03nos</li> <li>3) Newtons ring apparatus – 02 nos</li> <li>4) Grating with spectrometer – 02 no</li> <li>5) Na-vapor lamp with spectrometer - 02 nos</li> <li>6) Searle's apparatus – 02 nos</li> <li>7) Rigidity apparatus – 03 nos</li> <li>8) Lee's apparatus – 02 nos</li> <li>9) Surface tension app – 02 nos</li> <li>10) B.J.T. app -02 nos</li> <li>11) P.N. junction app -02 nos</li> <li>12) Sonometer app – 02 nos</li> <li>13) Hot- tirover- 01 nos</li> </ol>
5	Chemistry	Chemistry Lab	<ol style="list-style-type: none"> <li>1) Photo electric colorimeter – 02 sets</li> <li>2) PH meter – 03 sets</li> <li>3) Single pan balance – 02 nos</li> <li>4) Double pan balance – 02 nos</li> <li>5) Redwood Viscometer – 02 nos</li> <li>6) Pensky-marten's closed cup flashpoint apparatus – 02 nos</li> <li>7) Distilled water plant – 01 no</li> </ol>
6	English	Language Lab	<ol style="list-style-type: none"> <li>1) Desktop – 25 nos</li> <li>2) Video camera – 01 no</li> <li>3) L.C.D – 01 no</li> <li>4) Communicate – 01 no</li> <li>5) Presentation &amp; Public speak – 01</li> <li>6) Cassettes CIEFL -03</li> <li>7) Cassettes from BCI</li> </ol>
7	Electronics & Communication Engineering	AEC LAB	<ol style="list-style-type: none"> <li>1. Resistance of different values.</li> <li>2. Transistors.</li> <li>3. FETs.</li> <li>4. Connecting wares.</li> <li>5. Soldering Irons.</li> <li>6. ICs.</li> <li>7. 4-Bit Binary Ripple Counter [DB-14]</li> <li>8. BNC to BNC Cable [BNC].</li> <li>9. BNC to Crocodile Cable (BNC-CRO).10 . Multimeter (VC97)</li> <li>82,85,86,78,58,87</li> </ol>
8	Electronics & Communication Engineering	DEC LAB.	<ol style="list-style-type: none"> <li>1. Binary order / Subs tractor. [DB-08].</li> <li>2. Multiplexer/Demultiplexer. [DB-10]</li> <li>3. Flip flops. [DB-11].</li> <li>4. Shift Register [DB-12].</li> <li>5. 4-BIT Synchronous Binary Counter.</li> <li>6. FG-02 2Mhz. Function Generador with frequency Counter.</li> <li>7. DMM-10 3 ¼ Digital Low cost Handelled Multimeter.8. DSO - 025C1 - 0316, 0390</li> <li>25 Mhz. 100 MS/s Col</li> </ol>

9	Electrical & Electronics Engineering	E.M LAB.	<ol style="list-style-type: none"> <li>1. 2-Pole MCB 20<sup>a</sup>- 2nos.</li> <li>2. 3 –Pole MCB 10<sup>a</sup>-01 no.</li> <li>3. 3- Pole MCB 16<sup>a</sup>-01 no.</li> <li>4. D.O.L. Strarter For 3Hp SQIM-01 no.</li> <li>5. Rectifier Unit-80<sup>a</sup>, Variable Type)-220 Vpc. – 01 Set.</li> <li>6. Ramson DC Shunt Motor 5 Hp Coupled 3Kva Alter motor- 01 Set.</li> <li>7. Ramson DC Shunt motor 5Hp, coupled 3 KvA Alter Motor.- 01 Set.</li> <li>8. Control panel for synchronization Panel – 01 Set.</li> <li>9. Field Regulador 600*600- 04 no., Field Regulador 600*400 – 02 no.</li> <li>10. Digital Techno meter – 3 no.</li> <li>11. Panel frame me1 -3, Motor-1 – 4 no.</li> <li>12. Mg BASE-3, Motor BASE-1 – 4 no.</li> <li>13. Ramson DC Shunt Motor 5Hp coupled with DC shunt Generador 2 KW.- 01Set.</li> <li>14. Ramson-SCIM 5HP.- 01 no.</li> <li>15. Varivolt 3-Phase variac 15<sup>a</sup> (closed)- 02 no.</li> <li>16. Transformer 3/3KVA. 415/120V/120V (closed).- 01 no.</li> <li>17. Control Panel for MG set- 01 no.</li> <li>18. Control Panel for Alternador- 02 no.</li> <li>19. Control Panel so. Cage.Ind.Motor- 01 no.</li> <li>20. AC Voltmeter – 150/300/600 V.- 7 no.</li> <li>21. AC Ameter-1/2<sup>a</sup>-01 no.</li> <li>22. AC Ameter-5/10<sup>a</sup>-05 no.</li> <li>23. AC Ameter-5/10/25<sup>a</sup>- 01 no.</li> <li>24. AC Ameter-1/3/10<sup>a</sup>-01 no.</li> <li>25. DC Voltmeter-300V-08 no.</li> <li>26. DC Ameter-10/20<sup>a</sup>- 03 no.</li> <li>27. VPF(Wattmeter)2.5/5<sup>a</sup> 150/300/600v.-03 no.</li> <li>28. LPF(Wattmeter)2.5/5<sup>a</sup>-75/150/300V.</li> </ol>
10	Mechanical Engineering	Heat Transfer Laboratory	<ol style="list-style-type: none"> <li>1. Thermal conductivity of composite slab</li> <li>2. Surface emissivity apparatus</li> <li>3. Parallel and counter flow heat exchanger apparatus</li> <li>4. Stefan Boltzman Apparatus</li> <li>5. FIN-PIN Apparatus</li> <li>6. Gear Oil Pump Test Rig</li> <li>7. Cut Sectional Working model of Transmission system</li> <li>8. Centrifugal Compressor</li> <li>9. Heat Transfer Coefficient in Natural Convection</li> <li>10. Critical Heat Flux Apparatus</li> <li>11. Joule Thompson</li> <li>12. Bomb Calorimeter</li> </ol>
11	Mechanical Engineering	Fluid Mechanics & HydraulicMachines Laboratory	<ol style="list-style-type: none"> <li>1. Bernaulits Apparatus</li> <li>2. Bourdon Tube Pressure Gauge</li> <li>3. Metacentric height measurement apparatus</li> <li>4. Venturimeter / Orifice meter</li> <li>5. Centrifugal Pump</li> <li>6. Reciprocating Pump</li> <li>7. Francis Turbine</li> <li>8. Pelton Turbine</li> <li>9. Impact of Jet</li> <li>10. Pipe Friction Apparatus</li> <li>11. V-Notch Apparatus</li> <li>12. Reynold's Apparatus</li> </ol>
12	Mechanical Engineering	PRODUCTION and IC ENGINE Laboratory	<ol style="list-style-type: none"> <li>1. Sigle cylinder fuel injection system</li> <li>2. Model of water cooling system</li> <li>3. Four cylinder fuel injection system in diesel engine</li> <li>4. Solex carburetor</li> <li>5. Moulng sand testing apparatus</li> <li>6. Microscope</li> <li>7. Lathe tool dynamometer</li> <li>8. Drilling tool Dynamometer</li> <li>9. Sine Bar</li> <li>10. Cut model of single cylinder 4-S petrol engine</li> <li>11. 4-S C.I engine test rig</li> <li>12. 4-S S.I engine test rig</li> <li>13. 4-Cylinder 4-S S.I. Engine test rig</li> </ol>

13	<b>Mechanical Engineering</b>	<b>Machine Dynamics Laboratory</b>	<ol style="list-style-type: none"> <li>1. Universal governor appt</li> <li>2. Gyroscopic test rig</li> <li>3. Static Dynamic Balancing appt.</li> <li>4. Epicyclic gear train</li> <li>5. Determination of critical speed of Rotating shaft</li> <li>6. CAM Analysis</li> <li>7. Helical Spring</li> <li>8. Screw Jack</li> <li>9. Journal Bearing</li> <li>10. Simple / compound /Reverted Gear</li> <li>11. Rope belt dynamometer</li> <li>12. Drum Brake</li> <li>13. Bifilar Suspension Apparatus</li> <li>14. Trifilar Suspension Apparatus</li> <li>15. Coriollis component of acceleration apparatus</li> <li>16. Radius of gyration of connecting rod</li> </ol>
14	<b>Mechanical Engineering</b>	<b>Refrigeration and Air Conditioning and Measurement Laboratory</b>	<ol style="list-style-type: none"> <li>1. Vapour Compression test rig</li> <li>2. Vapour Absorption Test Rig</li> <li>3. Cooling Tower</li> <li>4. Calibration of thermocouples</li> <li>5. Vibration measuring equipment</li> <li>6. Window Air conditioning apparatus</li> <li>7. Air Conditioning apparatus</li> <li>8. Rotameter apparatus</li> <li>9. Pneumatic trainer kit</li> <li>10. Strain gauge apparatus</li> </ol>
15	<b>Mechanical Engineering</b>	<b>Material Testing Laboratory</b>	<ol style="list-style-type: none"> <li>1. Torsion Testing Machine</li> <li>2. Universal Testing Machine (UTM)</li> <li>3. Fatigue Testing Machine</li> <li>4. Impact Testing Machine</li> <li>5. Compression Testing Machine</li> <li>6. Hardness Testing Machine</li> </ol>

**(iii) COMPUTING FACILITIES:-**

**a) Number of configuration of systems: -**

1. Desktop / Laptop- 121 nos
2. Printer- 12 nos
3. Scanner - 4 nos
4. Data Switch- 63 nos
5. Router & Wi-Fi - 23 nos
6. UPS - 22 nos
7. Motherboard- 87 nos
8. CPU Fan- 09 nos
9. Hard Disk- 50 nos
10. RAM- 89 nos
11. SPMS- 65 nos
12. Keyboard & Mouse-135 nos
13. 13.Monitor-76 nos
14. Lancard-13 nos
15. Pen Drive- 46 nos
16. External DVD Writer- 3 nos
17. Web Camera- 2 nos
18. Projector- 20 nos
19. CCTV Camera- 31 nos
20. Video Still Camera- 5 nos
21. Biometric Machine- 08 nos
22. Sound System-10 nos
23. Software Application-26 nos
24. Tool-56 nos

**b) Total number of systems connected by LAN :- 245**

**c) Total number of systems connected to WAN :- 231**

**d) Internet bandwidth :-100 Mbps : Bharati Airtel Private Limited**

**e) Major software packages available :-**

Windows 98, Windows 2003 server, Linux 9.0,Microsoft windows, XP,  
MSDN Academic Alliance Ver-7 Full Pack, BorlandC++ , MS Office 2007, Oracle -10, Oracle-8, Adobe  
Photoshop-7, Matlab-7, Java-3.0, Tally-9.0, Autocad-2007.-2010.

**f) Special purpose facilities available :- Yes**

**(iv) WORKSHOP :-**

**List of facilities available.**

Games and Sports facilities	: Yes
Gymnasium	: Yes
Extra Curriculum Activities	: Yes
Soft Skill Development Facilities	: Yes
Number of Classrooms and size of each	: 22 (66.33 sq.m)
Number of Tutorial rooms and size of each	: 08 (36 sq.m)
Number of Laboratories and size of each	: 16 (180sq.m appx.)
Number of drawing halls and size of each	: 02 (183.00 sq.m)
Number of Computer Center with capacity	: 02 (150 sq.m. in approx.)120 computers each.
Central Examination Facility Number of Rooms	: Yes

(22 classrooms and capacity of each of 66.33sq.m and 08 tutorials (36sq.m.)  
(Located in 3 floors are converted into examination halls during examination time based on availability)

**(v) TEACHING LEARNING PROCESS:-**

**a) Curricula and syllabi for each of the programmes as approved by the University:-**

Yes Available on [www.bput.ac.in](http://www.bput.ac.in)

**b) Academic Calendar of the University :-** Yes Available on [www.bput.ac.in](http://www.bput.ac.in)

**c) Academic Time Table :-** Yes (Enclosed **Annexure - III**)

**d) Teaching Load of each Faculty :-**

Lecturer	: 16 hours per week
Asst. Professor	: 12 hours per week
Professor	: 08 hours per week

**e) Internal Continuous Evaluation System in Place :-** - Yes

**f) Student's assessment of Faculty, System in place :-** - Yes

**NOTE : Suppression and/or misrepresentation of information would attract appropriate penal action.**

**Prof. (Dr.) Pradipta Kumar Dash  
Principal**