

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

INDIRA GANDHI SPORTS COMPLEX, I.P. ESTATE

NEW DELHI – 110 002



MANDATORY DISCLOSURES

Submitted for

***AICTE approval for extension beyond the academic
year 2009-10***

Submitted by

***JAGANNATH INSTITUTE FOR TECHNOLOGY
AND MANAGEMENT, PARALAKHEMUNDI,
ORISSA***

Phone: 06815-223088, Website: www.jitm.org, Fax: 06815-0222150,
E-mail: principal@jitm.org

MANDATORY DISCLOSURES (ENGINEERING 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: -

JAGANNATH INSTITUTE FOR TECHNOLOGY AND MANAGEMENT

Village : R. SITA PUR
Taluka : GOSANI BLOCK
District : GAJAPATI
State : ORISSA
Pin Code : 761 211

STD Code : 06815
Phone No : 223088
Fax No : 222150/ 222976
E-mail : info@jitm.org , principal@jitm.org

II. NAME & ADDRESS OF THE DIRECTOR :-

Name : PROF. D. N. RAO
Address : Jagannath Institute for Technology & Management
Po: R. Sitapur
Via: Uppalada
District: Gajapati
Pin: 761 211

Telephone No : 06815-222999(O), 9437018628 (Mobile)

III. NAME OF THE AFFILIATING UNIVERSITY :-

- ▶ Biju Patnaik University of Technology
U.G.I.E., Campus, Rourkela, ORISSA.

IV. GOVERNANCE :-

i) Member of the Board and their brief background:-

J.I.T.M. TRUST

- 1) Chairman & Managing Trustee
Dr. Mukti Kanta Mishra,
Pokharipur, HIG-5, Bhubaneswar
Educationalist

- | | | |
|----|------------------------------|---------------------------------------------------------------|
| 2) | Secretary & Managing Trustee | Prof. D. N. Rao
J.I.T.M., Paralakhemundi
Educationalist |
| 3) | Trustee | Sri. A. Jogi Jagannatha Raju,
Social worker |
| 4) | Trustee | Prof.(Dr) Dhanada K. Mishra
Bhubaneswar,
Educationalist |
| 5) | Trustee | Sri. P. S. N. V. Narsimha
Industrialist |

Governing Body

- | | | |
|-----|------------------------------------------------------------|------------------------------------------------------------------------|
| 1) | Chairman | Prof.(Dr) Mukti Kanta Mishra,
Chairman & Managing Trustee |
| 2) | Member
(Nominee of the Trust) | Prof. D. N. Rao
Secretary & Managing Trustee |
| 3) | Member
(Nominee of the Trust) | Sri. A. Jogi Jagannath Raju
Member |
| 4) | Member
(Nominee of the Trust) | Prof.(Dr) Dhanada K. Mishra,
Member |
| 5) | Member
(Nominee of the Trust) | Sri. P. S. N. V. Narsimha
Member |
| 6) | Member
(Nominee of the Central Govt.) | Regional Officer (Ex-Officio)
AICTE, Salt Lake, Sector –III KOLKATA |
| 7) | Member
(Nominee of the Regional Committee
of AICTE) | Industrialist/ Technologist/ Educationalist from
the Region |
| 8) | Member
(Nominee of the Affiliating Body/
University) | To be nominated by B. P. U.T.
Rourkela, Orissa |
| 9) | Member
(Nominee of the State Govt.) | D. T. E. T., Govt. of Orissa
(Ex-Officio) |
| 10) | Member
(Nominee of the State Govt.) | Industrialist/ Technologist/ Educationalist
from the Region |
| 11) | Member-Secretary | Principal, J.I.T.M., Paralakhemundi |

ii) Member of Academic Advisory Body :-

- 01) Dr. Malcolm Harper, Emeritus Professor, Cranfield School of Management, U. K.
- 02) Prof.(Dr) S. P. Mishra, Director, Institute of Physics(Retd.) BBSR
- 03) Prof. B. V. Rangan (FIEAUST, FACI)
Faculty of Engineering and Computing, Curtin Institute of Technology, Australia.
- 04) Prof. Abani K. Patra, Faculty Department of Mechanical and Aerospace Engineering
- 05) Prof. Chitta Baral, Faculty Department of Computer Science & Engineering, Arizona State University, USA
- 06) Prof. Chittaranjan Ray, University of Hawaii, USA
- 07) Prof. Subas C. Mahapatra, North Carolina State University, Raleigh, USA
- 08) Prof. Swadhin Patnayak, Director, Institute of Mathematics and Application, Orissa
- 09) Mr. Raj Rajaram, Complete Environmental Solutions Pvt. Ltd., Noida and Oak Brook, USA
- 10) Dr. Arvind Suryavanshi, Ph.D. University of Sheffield
- 11) Mr. Chris Busck, Busck Consult P/L, Sydney, Australia

iii) Frequency of the Board Meetings and Academic Advisory Body: - Annually

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

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

- 01) Academic Information System (AIS) on LAN is installed for developing and delivering teaching materials in academic affairs.
- 02) Classes are being conducted through LCD projector and slide projector to enhance the quality of teaching.
- 03) Videos on important courses, containing lectures delivered by eminent professors are being regularly used as a supplement.
- 04) Some experimental set-up is being developed as project work by students under the guidance of faculty members or by the department concerned.
- 05) Workshops and seminars are conducted periodically.

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

▶ Under the guidance of Trustees, Governing Council, Academic Advisory Body, the day-to-day operations of J.I.T.M. is managed by the Principal, Vice-Principal with help from HOD's and Faculty members with individual responsibility.

Student representatives are elected democratically from each section/ branch and their views were taken in to the consideration for good governance

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

▶ Student feedback is being taken semester wise to assess the performance of the faculty members as well as the governing of the Institute and necessary steps are being taken for improving the teaching quality and the Institutional functioning on a larger scale.

viii) Grievance redressal mechanism for faculty, staff and students:-

▶ H.O.D meetings are conducted on weekly basis. Faculty and Staff meetings are conducted every fortnight, to resolve various issues arising on day to day affairs. Student Complaints/Suggestion boxes are available at Library/Hostels. AIS (Academic Information System) have squirrel mail through which students send direct email to Principal. Students interaction with principal on weekly basis to discuss the various day to day issues.

V. PROGRAMMES :-

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

Bachelor of Technology in

- 1) Chemical Engineering
- 2) Civil Engineering
- 3) Mechanical Engineering
- 4) Electrical & Electronics Engineering
- 5) Electronics & Communication Engineering
- 6) Electronics & Instrumentation Engineering
- 7) Computer Science & Engineering
- 8) Information Technology

(ii) Name of the Programmes accredited by the AICTE

- ▶ Electronics & Communication Engineering
(Vide letter no. F.No. NBA/ACCR-852/2006, dt. 29-03-2007)
- ▶ Electrical & Electronics Engineering
(Vide letter no. F.No. NBA/ACCR-852/2006, dt. 02-03-2009)
- ▶ Electronics & Instrumentation Engineering
(Vide letter no. F.No. NBA/ACCR-852/2006, dt. 02-03-2009)

(iii) For each Programme the following details are given :-

a)

Name	:	Bachelor of Technology
Number of seats	:	420 (per year)
Duration	:	4 years
Cut of mark/rank for admission During the last three years	:	Centralized counseling conducted by (JEE, Orissa /AIEEE)
Fee	:	65,000/- (Per Year)
Placement facilities	:	Yes
Campus placement in last three Years with minimum salary,	:	393 no of students placed
Maximum salary	:	Rs. 60,000/- per annum
and Average salary	:	Rs. 3,21,000/- per annum
	:	Rs. 1,43,754/- 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.

b) Details of the Foreign Institution/University :-

- N. A -

c) For each Collaborative/affiliated programme give the following:

- N. A. -

d) 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 :-

(i) Branch wise list of faculty members:-

1) Chemical Engineering

Permanent Faculty	:	11
Visiting Faculty	:	Nil
Adjunct Faculty	:	Nil
Guest Faculty	:	Nil
Permanent Faculty: Student Ratio	:	1: 11

2) Mechanical Engineering

Permanent Faculty	:	12
Visiting Faculty	:	Nil
Adjunct Faculty	:	Nil
Guest Faculty	:	Nil
Permanent Faculty: Student Ratio	:	1: 15

3) Electrical & Electronics Engineering

Permanent Faculty	:	12
Visiting Faculty	:	Nil
Adjunct Faculty	:	Nil
Guest Faculty	:	Nil
Permanent Faculty: Student Ratio	:	1: 15

4) Electronics & Communication Engineering

Permanent Faculty	:	16
Visiting Faculty	:	Nil
Adjunct Faculty	:	Nil
Guest Faculty	:	Nil
Permanent Faculty: Student Ratio	:	1: 15

5) Electronics & Instrumentation Engineering

Permanent Faculty	:	12
Visiting Faculty	:	Nil
Adjunct Faculty	:	Nil
Guest Faculty	:	Nil
Permanent Faculty: Student Ratio	:	1: 15

6) Computer Science & Engineering

Permanent Faculty	:	12
Visiting Faculty	:	Nil
Adjunct Faculty	:	Nil
Guest Faculty	:	Nil
Permanent Faculty: Student Ratio	:	1: 15

7) Information Technology

Permanent Faculty	:	12
Visiting Faculty	:	Nil
Adjunct Faculty	:	Nil
Guest Faculty	:	Nil
Permanent Faculty: Student Ratio	:	1: 15

8) Civil Engineering

Permanent Faculty	:	08
Visiting Faculty	:	Nil
Adjunct Faculty	:	Nil
Guest Faculty	:	Nil
Permanent Faculty: Student Ratio	:	1: 15

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

2008-09	-	Employed	:	37
		Left	:	27
2007-08	-	Employed	:	03
		Left	:	01
2006-07	-	Employed	:	35
		Left	:	11

VII. PROFILE OF DIRECTOR/PRINCIPAL WITH QUALIFICATION, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED :-

(i)

Name of the Principal	:	Prof. K. Parvathi
Date of Birth	:	16-01-1968
Age	:	41 yrs

Academic qualifications (with field of specialization):-

Ph.D. (Image Segmentation)

Master of Technology (Communication System)

B.E. (Electronics & Communication Engineering)

Details of Experience (Academic / Industrial) :-

- 1) Worked as Associate Professor in the Department of E.C.E. JITM, Paralakhemundi (Orissa) from 18-09-2006 to 30-04-2009.
- 2) Worked as Asst. Professor in the Department of E.C.E., at GIET, Gunpur from 02-09-2005 to 31-08-2006.
- 3) Worked as Assistant Professor in the Department of E.C.E. at MITS, Rayagada from 10-01-2002 to 31-07-2005.
- 4) Worked as Sr.Lecturer in the Department of E.C.E. at GIET, Gunpur from 24-12-1999 to 23-12-2001.
- 5) Worked as Lecturer in the Department of E.C.E. at IEM, Jeypore for the year 1999
- 6) Worked as Lecturer in the Department of E.C.E. at OCET, Bhubaneswar From the year 1994 to 1998.

Date of the appointment in the present institution : 01-05-2009

Duration of employment at the Institute concerned : 03yrs

(ii) For each faculty give a page covering:

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

VIII. FEE :-

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

▶ First Year:-

Tuition Fees	:Rs. 47,000/-
Conference/Seminars/Vocational Training	:Rs. 3,000/-
Internet Costing	:Rs. 1,000/-
Sports/Cultural activities/NSS expanses	:Rs. 2,000/-
Industrial Tour/Summer Training	:Rs. 1,500/-
Staff and Students Welfare/Insurance	:Rs. 500/-
Blazer Charges	:Rs. 2,000/-
Career Counseling/ Skill development & Guidance	:Rs. 1,000/-
University Reg. Fees	:Rs. 6,000/-
Insurance	:Rs. 1,000/-
Total	= Rs. 65,000/-

Hostel & Caution fee are optional

▶ Second Year, Third Year & Fourth Year: - :Rs. 65,000/-

(ii) Time scheduled for payment of fee for the entire programme:-

Institute is providing two options for payment of fees i.e.

- (i) Yearly at the beginning of the academic year or
- (ii) In semester wise.

(iii) No. of fee waiver granted with amount and name of students:-

Institute is providing fee waiver to the poor students (last year)

Sl.No	Name of the Students	Amount
01)	Sanjay Kumar Nanda	10,000
02)	Sarala Prasad Jamadar	4,500
03)	S. Ganga Bhawani	5,000
04)	Rubesh Kumar Panda	10,000
05)	Krishna Kumar Nirla	10,000
06)	Niraj Kumar Jha	10,000
07)	Abhijit Mahapatro	5,000
08)	Sampathi Usha Rani	27,800
09)	Sudhir Kumar Patro	5,000
10)	G. Santosh	10,000
11)	K. Pawan Kumar	10,000
12)	Amlan Barik	13,000
13)	Avinash Kumar Agarwal	25,000
14)	K. Gulshan Kumar	24,000
15)	A. Sandeep Kumar	3,000
16)	Pragyan Priyadarshani	1,000
17)	Siddarth Mishra	8,500
18)	Gupteswar Mahapatro	18,000
19)	Nadagana Hemasundar Rao	16,000
20)	Dibya Ranjan Panda	10,000
21)	Radhashyam Panda	10,000
22)	Priyanshu Patnaik	18,000
23)	D. Suman	18,000
24)	Ratnesh Kumar Singh	12,000
25)	Ratnesh Kumar Yadev	10,000
26)	Sunita Mahapatro	15,000
27)	Kotin Harishankar	18,000
28)	Bibhudatta Sahoo	20,000
29)	Sasmita Mishra	10,000
30)	Udaya Kumar Sahoo	10,000
31)	Kisan Patro	10,000
32)	Arvinda Kumar Amar	6,000
33)	Ashis Kumar	5,000
34)	Ribhu Bhushan Panda	18,000
35)	Priyadarsini Behera	8,000
36)	Suchitra Mahapatro	7,000
37)	Sunil Kumar Routa	5,000
38)	Arpita Dash	4,500
39)	Umasankar Pradhan	10,000
40)	Bhagyashree Patnaik	5,000
41)	Kappala Sravanti	15,000
42)	Santosh Kumar Tripathy	3,000
43)	Manoj Kumar Maharana	2,000

(iv) Number of scholarship offered by the Institute, duration and amount:-

<u>Sl.No.</u>	<u>Name of Scholarship</u>	<u>Duration</u>	<u>Amount</u>
1)	Gajapati Scholarship	Per year	Rs. 10,000/-
2)	P. V. Narasimha Scholarship	Per year	Rs. 10,000/-
3)	Chairman's Scholarship	Per year	Rs. 10,000/-
4)	Foundation for Excellence Scholarship	Per year	Rs. 10,000/-

(v) Criteria for fee waivers/scholarship :-

- ▶ Income certificate of his father or his family member.
On merit basis secured in Joint Entrance Test (Rank holders)
Carrier meritorious students (Academic 10th and +2)

(vi) Estimated cost of boarding and lodging in hostels: - Rs. 16,000/- p.a.
(Excluding mess)

IX. ADMISSION :-

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

1997-98	-	240 (1997 – F.No:760-82-216(E)/ET/97, dt. 11-08-1997)
1998-99	-	240 (1998 – F.No:760-82-216(E)/ET/97, dt. 23-06-1998)
1999-00	-	300 (1999 – F.No:760-82-216(E)/ET/97, dt. 02-08-1999)
2000-01	-	390 (2000 – F.No:760-82-216(E)/ET/97, dt. 14-11-2000)
2001-02	-	390 (2000 – F.No:760-82-216(E)/ET/97, dt. 03-07-2001)
2002-03	-	390 (2000 – F.No:760-82-216(E)/ET/97, dt. 03-07-2001)
2003-04	-	420 (2003 – F.No:760-82-216(E)/ET/97, dt. 30-04-2003)
2004-05	-	420 (2003 – F.No:760-82-216(E)/ET/97, dt. 30-04-2003)
2005-06	-	420 (2005 – F.No:760-82-216(E)/ET/97, dt. 12-07-2005)
2006-07	-	420 (2006– F.No:760-82-216(E)/ET/97, dt.15-05-2006)
2007-08	-	420 (2007-- F.No: 760-82-216(E)/ET/97, dt.20-06-2007)
2008-11	-	420 (2008-- F.No: 760-82-216(E)/ET/97, dt.02-05-2008)
2009-10	-	480 (2009- F.No: 760-82-216(E)/ET/97 dt. 29-06-2009)

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

1) 2008-09 (Admission Year)		
Total	:	420 (Annexure – III)
2) 2007-08 (Admission Year)		
General Category	:	297
Women's' Category	:	93
SC	:	14
ST	:	02
3) 2006-07 (Admission Year)		
General Category	:	362
Women's' Category	:	29
SC	:	15
ST	:	02

(Note: the above SC & ST information is from the scholarship claimed by the candidate to the various government agencies)

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

- 1) 2008-09(Admission Year) under NRI vacancies
Total number of application received: 62
Total number of student admitted : 62
- 2) 2007-08 (Admission Year)
Total number of application received: 62
Total number of student admitted : 62

X. ADMISSION PROCEDURE:-

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

- ▶ J.E.E.(Joint Entrance Examination, Orissa), JEE Complex, BPUT, Gandamunda, Bhubaneswar, Orissa, www.jeeorissa.com or www.bput.org.

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

- ▶ 70% of the total seats is filled through JEE counseling, Orissa, 15% seats are filled from NRI Quota and remaining 15% seats will be filled from AIEEE quota.

(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 Joint Entrance Examination (ORISSA) every year.

b) Last date for submission of application:

- ▶ As per the guideline of admission rules/procedure prescribed by Joint Entrance Examination (ORISSA) every year.

c) Date of announcing final results :

- ▶ As per the guideline of admission rules/procedure prescribed by Joint Entrance Examination (ORISSA) every year.

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

- ▶ As the seats are being filled through the central counseling conducted by JEE (ORISSA) the institution has no such list of its own. Details are available at www.jeeorissa.com

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

▶ As per the guidelines of Industries Department and Joint Entrance Examination (ORISSA).

f) Last date for closing of admission :

▶ As per the guideline of admission rules/procedure prescribed by Joint Entrance Examination, ORISSA every year.

g) Stating of the Academic session : Last week of August of every year

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

▶ As the admissions are through JEE central counseling, hence no waiting list is being maintained by the institute.

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 JEE, Orissa.

XI. CRITERIA AND WEIGHTAGES FOR ADMISSION:-

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

▶ For admission process the Institute follows the guideline of admission rules/procedure prescribed by Joint Entrance Examination, Orissa every year for regular and lateral entry courses. The candidates not qualified in JEE/ AIEEE shall not be allowed for admission.

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

▶ Passed + 2 science with (PCM), required to submit a rank from (JEE, Orissa/ AIEEE Test)

(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 J.E.E. Orissa

XII. APPLICATION FORM :-

XIII.

(i) Downloadable application form, with online submission possibilities:- No

▶ JEE-Orissa reserves all rights for selling of the application forms. The same application forms are available in bank counters or all over Orissa state on payment basis.

XIII. LIST OF APPLICANTS:-

- (i) All the applications are received by JEE, Orissa and the Admission process is conducted by JEE, Orissa through a central counseling based on the merit rank card in JEE/AIEEE.
- ▶ The JEE, Orissa is maintaining the list. 15% management quota seats at college level exists as per the notification of Industries Department, Govt. of Orissa.

XIV. RESULTS OF ADMISSION UNDER MANAGEMENT SEAT/VACANT SEATS :-

- (i) Candidates having valid JEE/AIEEE ranks are eligible for admission under vacant NRI seats under management quota seats. The Institute invites application from such candidates and prepares a merit list in branch wise and submit to the JEE counseling for such verification and approval for admission.
- ▶ 15% seats are reserved under NRI/ Management quota as per the notification given by The Industries Department, Govt. of Orissa 2008.
- (ii) Score of the individual candidates admitted arranged in order of merit.
- ▶ The merit lists have been prepared as per the JEE, Orissa norms.
- (iii) List of candidates who have been offered admission.
- ▶ - Not Available-
(As the Students Counseling is continuing for the year 2009-10)
- (iv) Waiting list of the candidates in order of merit to be operative from the last date of joining of the first list candidates.
- Not Applicable-
- (Institute is following the admission rules & procedure of JEE Counseling Orissa)
- (v) List of the candidates who joined within the date, vacancy position in each category before operation of waiting list.
- ▶ The vacancy position in each category before admission is not available in the Institute. However, the Institute is following the admission rules & procedure of JEE, Counseling Orissa.

XV. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE :-

(i) LIBRARY

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

- ▶ B. Tech. Engineering – Volume = 22342 nos
Journals = 55 nos (National)
21 (International)

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

The institute is having Del Net, IEL/DEL facilities from AICTE

c) E-Library facilities: - Yes

(ii) LABORATORY :-

S. No	Name of the Course	Name of the laboratory/workshop	Major equipment
01	CHEMICAL ENGINEERING	Chemical Reaction Engineering Lab.	1) Iso thermal CSTR 2) Iso thermal PFR 3) Mass transfer with chemical rxn. 4) Packed bed reactor 5) Batch reactor 6) Adiabatic reactor
		Mass Transfer Operations Lab	1) Steam distillation setup 2) Plate type absorption tower 3) Waited wall tower 4) Single drop liquid- liquid extraction column 5) Vapor liquid equilibrium apparatus. 6) Diffusion coefficient measurement apparatus 7) Refracto metor 8) Air compressor
		Process Instrumentation & Dynamics Lab.	1) Pressure controller trainer (SCADA) 2) Temperature controller trainer (SCADA) 3) Cascade control trainer (DDC) 4) Pneumatic PI controller 5) Control valve characteristic 6) Two tank interacting & non-interacting system. 7) Air compressor
		Mechanical Operations Lab.	1) Ball mill. 2) Roll crosser 3) Trommel 4) Froth flotation cell 5) Plate & frame filter press 6) Sieve shaker(s) 7) Air compressor
		Chemical Technology Lab.	1) Turbidity meter 2) Ph meter 3) Muffle furnace 4) Hot air oven 5) Soxhlet apparatus 6) Water bath with temperature control 7) Titration glass wares. 8) Gas calorie meter
02	COMPUTER SCIENCE & ENGINEERING & INFORMATION TECHNOLOGY	Advance Programming Lab.	1) 45 nos Desktop with Core 2 duo Processor, 160 GB HDD, 1GB MB RAM
		RDBMS Lab	1) 45 nos Desktop with Core 2 duo Processor, 160 GB HDD, 1GB MB RAM
		Basic Computing Lab.	1) 45 nos Desktop with Core 2 duo Processor, 160 GB HDD, 1GB MB RAM
		IBM DB2 Lab.	1) 25 nos Desktop with Core 2 duo Processor, 160 GB HDD, 1GB RAM
		Networking/ Architecture Lab.	1) 45 nos Desktop with Core 2 duo Processor, 160 GB HDD, 1GB MB RAM
		Central Computing Lab	1) 70 nos Desktop with Core 2 duo Processor, 160 GB HDD, 1GB RAM
		Server Room	1) 03 nos HP Proliant ML350 G5 Server 2) 01 nos HCL infinity Server 3) 01 no AIS server, P-IV, 40 GB, 1GB RAM 5) 01 no ORACLE database server, P-IV, 40 GB, 1GB RAM. 6) 01 no FIREWELL SonicWall 7) 02 nos BACK UP server, P-IV, 1GB RAM, 40 GB.
	CCNA Lab	1) 35 Desktop with Core 2 Duo processor 2) 06 routers, 06 switches	

03	ELECTRICAL & ELECTRONICS ENGINEERING	Basic Electrical Engg. & Measurement Lab.	<ol style="list-style-type: none"> 1) Voltmeter – 07 nos 2) Regulated D.C. power supply -03 nos 3) Squirrel cage induction motor -01 nos 4) Decade resistance box – 04 nos 5) Decade capacitance box – 04 nos 6) Decade inductance box -04 nos 7) Ammeter – 06 nos 8) Function generator – 02 nos 9) Wattmeter – 02 nos 10) DOL starter – 01 no 11) Varriac – 01 nos 12) M.G. set – 01 nos 13) Fan motor – 01 nos 14) Loading Rheostat – 03 nos
	ELECTRICAL & ELECTRONICS ENGINEERING	Network Device Lab.	<ol style="list-style-type: none"> 1) D. C. regulated power supply - 01 nos 2) Trainer Kit.-05nos 3) C.R.O.-02 nos 4) Function generator-02 nos 5) Voltmeter-03nos 6) Transformer-01nos 7) Ammeter-04nos
		Electro-Mechanics I & II Lab.	<ol style="list-style-type: none"> 1) Motor generator set – 08 nos 2) Rehostats – 10 nos 3) 3 point starter – 07 nos 4) D.O.L. Strater – 01 no 5) Voltmeter – 15 nos 6) Ammeter – 15 nos 8) Load box – 02 nos 9) Tachometer – 04 nos 10) Rectifier – 02 nos 11) Slip-ring I.M. motor – 01 nos 12) Induction motor – 01 no 13) Varriac – 06 nos 14) Turbo set (2000) – 01 no 15) Transformer 230/115 -03nos 16) Scott Connection Transformer-01nos
		Power Electronics & Control Lab.	<ol style="list-style-type: none"> 1) SCR, TRAic & DIAC – 02 nos 2) Voltmeter – 02 nos 3) Ammeter – 02 nos 4) R-C firing unit – 02 nos 5) Rheostat - 04 nos 6) CRO Dual 20 Mhz – 04 nos 7) UJT firing circuit – 02 no 8) DC regulated powersupply - 01 no 9) DC chopper power ckt unit-01 no 10) DC motor speed control power ckt – 01 no 11) IGBT, MOSFET – 01 unit 12) AC servomotor – 01 no 13) Synchro transmitter receiver pair unit – 01 no 14) Step down transformer – 01 no 15) Converter firing unit – 02 nos 16) Converter power circuit – 01 no 17) DC chopper firing ckt – 01 no 18) Parallel inverter – 01 no 19) Cyclo convertor – 01 no 20) Series inverter – 01 no 21) 3 phase bridge convertor – 01 no 22) 3 phase isolation transformer- 01
		Power System Lab.	<ol style="list-style-type: none"> 1) Electrical power transmission line training system – 02 nos 2) Differential relay – 02 nos 3) Power analyzer – 01 no 4) Wattmeter (UPF) – 04 nos 5) IDMT over current testing kit
		Simulation Lab.	<ol style="list-style-type: none"> 1) Desktop – 25 nos 2) Orcade Software - Licenced

		Control System Lab	<ul style="list-style-type: none"> 1) AC bridges – 03 no 2) Strain Gauge – 01 3) LVDT – 01 04) Thermister 05) Lead- Lag compensator 6) D.C.Position control servo motor 7) D.C. Servo motor controller 8) Data acquisition 9) Servo motor simulator 10) Desktop P-IV – 01 no
04	ELECTRONICS & COMMUNICATION ENGINEERING	Basic Electronics Lab.	<ul style="list-style-type: none"> 1) OP AMP Trainer Kit – 01 no 2) Rectifier Trainer Kit – 02 nos 3) Transistor Trainer Kit – 02 nos 4) MUX- DEMUX Trainer Kit – 02 nos 5) Diode characteristics Trainer Kit – 02 nos 6) Micro Ammeter(0-200uA) – 02 nos 7) Mili Ammeter (0-200uA) – 02 nos 8) Logic gate Trainer Kit – 02 nos 9) Multimeter – 06 nos 10) CRO – 06 nos 11) Function Generator – 06 nos
		MODROBS, Design & Simulation Lab.	<ul style="list-style-type: none"> 1) Computer with UPS – 25 nos 2) ORCAD Software – 01 nos 3) Mat Lab Software – 01 no
		Analog Electronics Lab.	<ul style="list-style-type: none"> 1) Wien Bridge Oscillator Trainer Kit – 04 2) Class A – 2 3) Class B – 1 4) Project Trainer Board – 10 5) CRO – 10 6) Function Generator – 10 7) Milimeter - 10
		Digital Electronics Lab.	<ul style="list-style-type: none"> 1) Bread Board Trainer – 08 nos 2) Shift Resister Trainer – 02 nos 3) Up Down Counter Trainer – 02 nos 4) Decade counter Trainer – 02 nos 5) 7- segment display trainer – 02 nos 6) Flip-flop Trainer – 02 nos 7) CRO – 02 nos
		Analog Communication Lab.	<ul style="list-style-type: none"> 1)Amplitude Modulation and Demodulation – 01 nos 2) DSB & SSB Modulation - 01 nos 3) Frequency Modulation & Demodulation – 01 no 4) Detector Circuits (AM Kit & FM Kit) – 01 no 5) Design and Study of Filter Circuits – 01 no 6) Pre-emphasis & De-emphasis – 01 no 7) Sampling & Reconstruction of Sinusoidal Signal – 01no 8) Generation of PCM singal – 01 no 9) Study of SNR of AM, FM and PCM by Mat Lab (simulation) – 01 no 10) CRO – 05 no
		Communication Engg	<ul style="list-style-type: none"> 1) Amplitude Mod/ Demodulation Kit – 01 kit 2) CRO – 02 nos
		Micro Processor & Micro Controller Lab	<ul style="list-style-type: none"> 1) 8086 u Kit – 02 nos 2) 8051 u controller kit – 01 no 3) Stepper Motor interface – 02 no 4) 8085 u Kit – 16 nos 5) Accessories
		Digital Communication Techniques Lab.	<ul style="list-style-type: none"> 1) Trainer kits for ASK, PSK,FSK, A/D converter, D/A converter, TDM, Delta Mod –01 no (each) 2) Multi-meter - 02 3) PN sequence generator – 01 no

05	ELECTRONICS & COMMUNICATION ENGINEERING	Communication System Lab	<ul style="list-style-type: none"> 1) Radiation Pattern of Horn Antenna at Microwave Frequency (Microwave Test Bench) – 01 no 2) Measurement of unknown impedance and matching at microwave frequency (microwave test bench) – 01 no 3) Study of satellite earth station & design of its Antenna to meet a given specification (SAT cum Trainer Kit) – 01 no 4) Study of satellite Transponder of given specification, channel allocations CDMA facilities etc. (SAT cum Trainer Kit) – 01 no 5) Measurement of refractive index profile, Numerical Aperture attenuation and dispersion in a multimode optical fiber – 01 no 6) Establishing and testing on optical fiber communication line (optical fiber cable) – 01 no 7) Designing an optical fiber communication link to a given specification (optical fiber cable) – 01 no 8) Simulation TDM & WDM (Sample hold kit) – 01 no 9) Antenna Training System –ATS01 (01 set) 10) Link – D with Multimedia Computer based Training Manual – 01 set 11) CRO – 20mhz -02nos 12) Function Generator – 03 nos
		VLSI Lab & Signal Processing Lab.	<ul style="list-style-type: none"> 1) Desktop – 25 (Core 2 Duo)nos 2) Microwind Kit – 01 no (Licenced) 3) VLSI Design Software – 01 no 4) CPLD Trainer Kit – 05 nos 5) FPGA Trainer Kit – 05 nos 6) UPS – 01 no
	ELECTRONICS & INSTRUMENTATION ENGINEERING	Analog Electronics Lab.	<ul style="list-style-type: none"> 1) CRO 20 Mhz – 06 nos 2) DC Reg power supply units – 40 nos 3) Trainer kits for oscillators, amplifiers of transistor & FET, OP, AMPS – 20 nos 4) Function generators – 06 nos 5) Accessories
		Digital Electronics Lab.	<ul style="list-style-type: none"> 1) Digital trainer kits – 20 nos 2) Digital ICs and other components to design 3) Project board – 05 nos 4) Accessories
		Sensor & Signal, Measurement Lab.	<ul style="list-style-type: none"> 1) Trainerkits for thermocouple thermister, RTD, Strain gauge, LVDT, Instrumentation amplifier, Filter ckt – 07 nos 2) CRO – 03 no 3) Accessories 4) Spectrum analyzer with accessories – 01 no 5) CROs 20 Mhz – 05 nos 6) Digital CRO – 03 nos 7) Bank of filters – 07 nos
		Process Instrumentation Lab.	<ul style="list-style-type: none"> 1) PLC Basic Unit with Accessories 2) Temperature Control Loop 3) Pressure Control Loop – 01 no 4) Level Control Loop – 01 no 5) Flow Control Loop – 01 no 5) Compressor – 01 nos 6) Digital PID controller trainer 7) Process Control Simulator 8) Temperature Control System 9) SCR, MOSFET, DIAC, IGBT & TRIAC static characteristic module
06	MECHANICAL ENGINEERING	Material Testing Lab.	<ul style="list-style-type: none"> 1. Universal testing m/c 2. Brinell hardness testing m/c 3. Spring testing m/c 4. Impact testing m/c 5. Torsion testing m/c 6. Rock-well hardness testing m/c 7. Metallurgical microscopes – 04 nos 8. Double disc polishing m/c 9. Moment of inertia of flywheel. 10. Four probe method equipment 11. Hystersis loop tracer equipment 12. Coplaner forces equipment 13. Simply supported beam equipment 14. Cantilever beam equipment 15. Torsion pendulum

Fluid Mechanics & Hydraulic Machine Lab.	<ol style="list-style-type: none"> 1. Notch Setup. 2. Small orifice appts. 3. Centrifugal pump appts. 4. Orifice meter appts. 5. Impact of jet appts. 6. Friction factor appts. 7. Gear pump appts. 8. Pelton wheel appts. 9. Models of Turbine pumps and impellers. 10. Reciprocating pump appts. 11. Metacenter height appts. 12. Francis Turbine 13. Bernoullis Theorm appts. 14. Rotameter
Workshops and Production Engg. Lab.	<ol style="list-style-type: none"> 1. Welding machine – 03 nos + 06 = 09 2. Milling machine - = 03 3. TIG welding machine 4. Drilling machine == 02 5. Slotting machine 6. Surface grinding machine 7. Shaping machine (Shaper) 8. Bench grinding machine – 2nos 9. Wood lathe machine – 03 nos 10. Lathe machine – 10 nos + 03 = 13 11. Circular saw 12. Surface planner 13. Power hacksaw machine = 02 14. Pipe bending machine = 02 16. Pipe cutting machine. 17. Sheet cutting machine 18. Permeability testing machine 19. Shatter Index 20. Compression testing machine 21. Density indicator. 22. Forge = 02 23. plasma welding machine = 01 24. Surface (cup) grinding machine = 01 25. Rectifier welding machine = 02 26. Bench vices = 63 (Tables = 14) 27. Surface plates = 03
Heat Transfer Lab	<ol style="list-style-type: none"> 1) Air condition – 01 no 2) Refrigeration Test Bench – 01 no. 3) Emissivity – 01 no 4) Pin-fin apparatus – 01 no 5) Forced convection – 01 no 6) Natural convection – 01 no 7) Composite wall – 01 no 8) Stefan Holtzman – 01 no 9) Parallel flow and Counter flow – 01 10). Iceplant = 01

	MECHANICAL ENGINEERING	Mechanical Engg. Lab	<ol style="list-style-type: none"> 1. Single cylinder diesel engine 2. Twin cylinder diesel engine 3. Multi cylinder petrol engine 4. Air Compressor test rig 5. Speed ratio of gear box 6. Universal governor 7. Dead weight pressure gauge. 8. Cam follower mechanism. 14. Journal bearing 15. Slider crank mechanism 16. Whirling of shafts appts. 17. Static & dynamic balancing 18. Four stroke single cylinder diesel engine (cut-section) 19. Two stroke single cylinder petrol engine (cut-section) 20. Carbon residue appts. 21. Pelton turbine (wooden model) 22. Epicyclic gear train – I, II & III 23. Cochran boiler model (tin) 24. Screw jack appts. 25) Single cylinder two stroke petrol engine 26) Hydraulic Trainer – 01 no. 27 Transsmachine system of automobile
		CAD / CAM Lab.	<ol style="list-style-type: none"> 1) CNC Lathe Trainer – 01 no 2) CNC Mill Trainer – 01 no. 3) Desktop PIV with EDGE CAM Licences – 10 nos
07	Civil Engineering	Material Testing Lab	<ol style="list-style-type: none"> 1) Water absorption test for Brick 2) Brick Testing Machine 3) Set of sieves for determining fineness modulus of sand. 4) Lechatlier Test Apparatus for finding soundness of cement 5) Permeability Test Apparatus for finding fineness of cement 6) Vicat Test Apparatus for determining standard consistency of cement 7) Apparatus for determining fineness modulus of fine and coarse aggregates. 8) Apparatus for determining initial and final setting time of cement. 9) Testing machine for finding crushing strength of coarse aggregate. 10) Apparatus for determining compressive strength of cement mortar. 11) Apparatus for determining tensile strength of cement mortar.
		Surveying Lab	<ol style="list-style-type: none"> 1) Measurement of Traverse with chain – 2 sets 2) Traversing by compass survey – 02 sets 3) Plane Table Survey – 2 sets 4) Leveling, Longitudinal and Cross- section surveying of road, contouring etc with level – 02 sets 5) Theodolite survey – 02 sets
08	Chemistry	Chemistry Lab.	<ol style="list-style-type: none"> 1) Photo electric colourimeter – 02 sets 2) PH meter – 02 sets 3) Flame photo meters – 02 sets 4) Conductivity meters – 02 sets 5) Potentiometer – 02 sets 6) Chromatography kit 7) Single pan balance – 06 nos 8) Double pan balance – 04 nos

09	Physics	Physics Lab.	<ol style="list-style-type: none"> 1) Bar pendulum – 02 nos 2) Ultrasonic Interferometer – 02nos 3) Potentiometer – 4 nos 4) Meter Bridge – 02 nos 5) Steward and Gee's apparatus – 02 nos 6) Baquartz – Polarimeter – 02 nos 7) Newtons ring apparatus – 02 nos 8) Grating with spectrometer – 02 no 9) Na-vapor lamp with spectrometer - 02 nos 10) Mercury vapour lamp with spectrometer – 02 nos 11) Searle's apparatus – 02 nos 12) Rigidity apparatus – 02 nos 13) Lee's apparatus – 02 nos 14) Surface tension app – 02 nos 15) B.J.T. app -02 nos 16) P.N. junction app -02 nos 17) Sonometer app – 02 nos 18) Hall app – 01 no 19) Photo diode – 02nos
10	English	Language Lab.	<ol style="list-style-type: none"> 1) Desktop – 50 nos 2) Video camera – 01 no 3) L.C.D – 01 no 4) Communicate – 01 no 5) Presentation & Public speak – 01 6) Cassettes CIEFL 7) Cassettes from BCI

(iii) COMPUTING FACILITIES :-

a) Number of configuration of systems: -

Desktop/Laptop
Core 2-duo = 300 P-IV = 145
Server – 03 nos Printer – 11 nos HP Scanner – 02 no D-Link Router – 01 no Wireless Access Point - 07no Lease Line Modem – 02 nos LAN Switches – 27 nos

b) Total number of systems connected by LAN :- 445

c) Total number of systems connected to WAN :- 445

d) Internet bandwidth :- 02 mbps through leased line from BSNL for 24 hours

e) Major software packages available :-
Turbo C – 3.0, ORACLE – 10G, COBOL – 5.0, C, C++
Visual Studio, Symantic Antivirus10.0, Escan Antivirus, Windows XP, Vista with SP2, VLSI, CAD/CAM, Edge CAM Cutviewer mill, Cutviewer Lathe, Mat Lab, Window 2000, 2003 Server, MS Office 2007 Professional, Linux (Free OS), Solaris 10.0.

f) Special purpose facilities available :- Yes

(iv) WORKSHOP :-

a) List of facilities available.

Games and Sports facilities	:-	Yes
Extra Curriculum Activities	:-	Yes
Soft Skill Development Facilities	:-	Yes
Number of Classrooms and size of each	:-	38 (75 sq.m)
Number of Tutorial rooms and size of each	:-	30 (55 sq.m)
Number of Laboratories and size of each	:-	36 (209.5 sq.m)
Number of drawing halls and size of each	:-	01 (169 sq.m)
Number of Computer Center with capacity	:-	01 (160 sq.m)

Central Examination Facility , Number of :- Yes (38 classrooms Rooms and capacity of each of 74.55 sq.m size located in 2 blocks are converted into examination halls during examinations based on availability)

(v) Teaching Learning Process:-

a) Curricula and syllabi for each of the programmes as approved by the University :- Yes (Enclosed in **Annexure - IV**)

b) Academic Calendar of the University :- Yes (Enclosed **Annexure -V**)

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

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

(vi) FOR EACH POST GRADUATE PROGRAMME GIVE FOLLOWING:

▶ Note: There is no Post Graduate Programme(s) running in our Institute.

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

Prof. K. Parvathi
PRINCIPAL