

**MANDATORY DISCLOSURE**

**FOR BEYOND YEAR 2012-2013**



**GHANASHYAM HEMALATA INSTITUTE OF  
TECHNOLOGY & MANAGEMENT**

**Rasananda Jena Vihar, Bhuan, P.O- Chhaitana Dist- Puri –752 002  
Odisha**

**MANDATORY DISCLOSURE**

## I. NAME OF THE INSTITUTION

### **GHANASHYAM HEMALATA INSTITUTE OF TECHNOLOGY & MANAGEMENT**

Rasananda Jena Vihar, Bhuan, P.O.- Chhaitana, Dist – Puri –  
752002(Orissa)

Telephone- (06752) 246612/13/27, 246786(FAX)

E-mail: [ghitm@hotmail.com](mailto:ghitm@hotmail.com)

## II. NAME AND ADDRESS OF THE DIRECTOR / PRINCIPAL

Prof. Sarat Chandra Tripathy

Rasananda Jena Vihar, Bhuan, P.O.- Chhaitana,  
Dist – Puri – 752 002(Orissa)

Telephone- (06752) 246612/13/27, 246641(FAX)

E-mail: [ghitm@hotmail.com](mailto:ghitm@hotmail.com), [principal@ghitm.org](mailto:principal@ghitm.org)

## III. NAME OF THE AFFILIATING UNIVERSITY

Biju Patnaik University of Technology,

UGIE Campus, P.O- Jail Road

Rourkela – 769004

Tel:- (0661) 2501346/2501347/2501349 -2501345(Fax)

## IV. GOVERNANCE

- **MEMBERS OF THE BOARD WITH THEIR BRIEF BACKGROUND**

### **GOVERNING BOARD MEMBERS**

(1) Sj. Ghanashyam Jena-

Founder father & Chairman,

	Food Corporation of India Workers union Chairman	
(2) Sri Madan Mohan Bal-	Secretary, GHVM Society	Secretary
(3) Sri Tanmaya Kumar Jena-	Vice- Chairman , GHVM Society	Vice- Chairman
(4) Sri Jnyanindra Mallick-	Vice- Chairman , GHVM Society	Vice- Chairman
(5) Sri Pabitra Mohan Behera-	Organizing Secy, FCI Worker's Union	Member
(6) Dr. P. K. Dash-	Retired Professor from NIT, Rourkela (Nominated by BPUT)	Member
(7) Regional Officer, AICTE or Nominee		Member
(8) DTET, Orissa or Nominee		Member
(9) Prof. Rajiv Malla-	Professor, IIT, Kharagpur	Member
(10) Prof. G. C. Dash-	Retired Professor, UCE, Burla	Member
(11) Director Academics, GHITM-		Member Secretary

### **ACADEMIC ADVISORY BODY**

1. Director Academics, GHITM -	Convener
2. Prof. G. Panda, Professor, NIT Rourkela-	Member
3. Prof. P. K. Das, Retd. Prof. NIT Rourkela-	Member
4. Prof. G. C. Dash, Retd. Prof. UCE Burla -	Member
5. Prof. A. Routray, Associate Prof. IIT KGP-	Member

The advisory Board serves as an intellectual think tank to provide critical information and advice to the Governing Body. Their inputs help to shape and maintain the overall academic quality, curriculum development and spectrum of services.

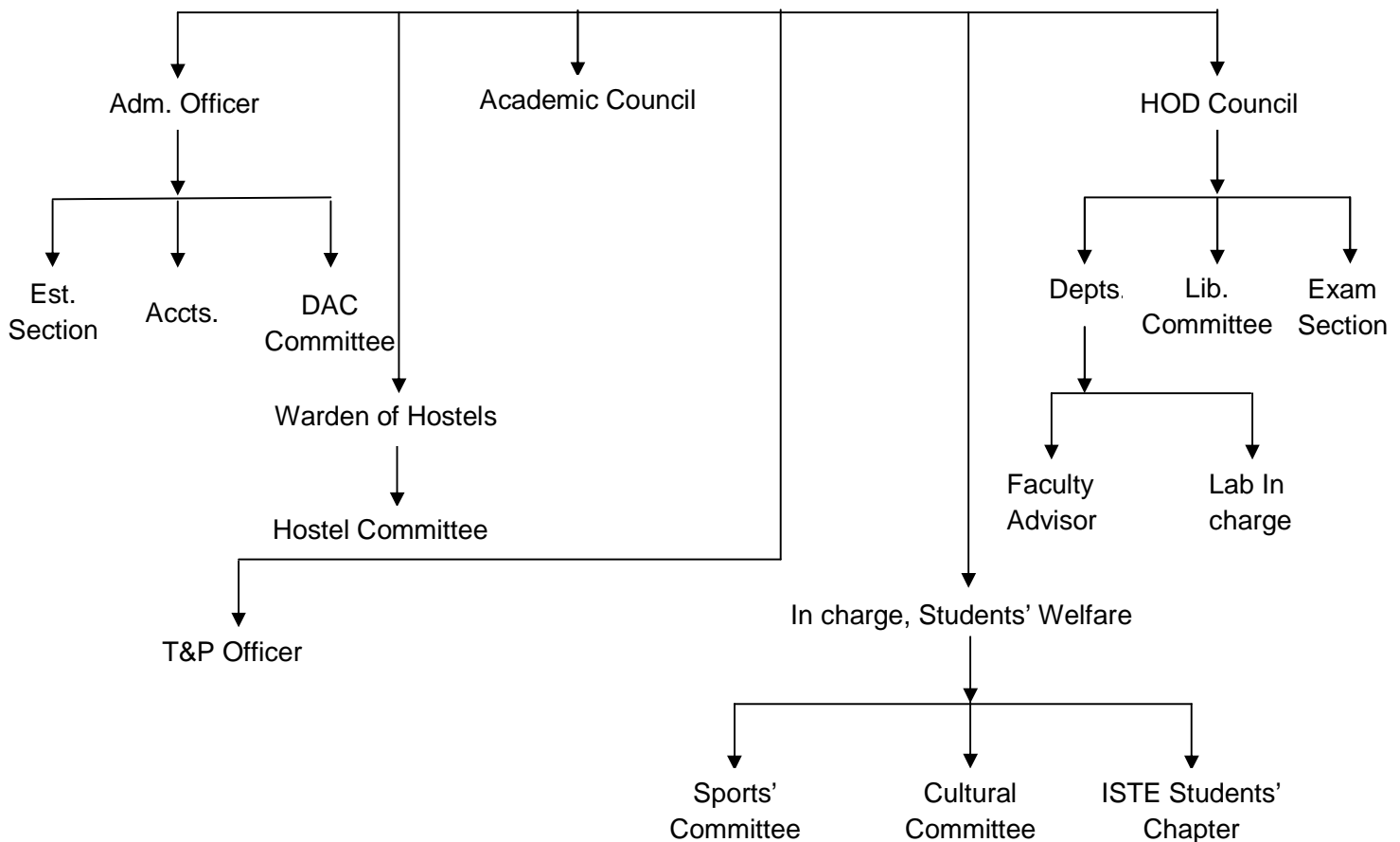
- **FREQUENCY OF THE BOARD MEETINGS AND ACADEMIC ADVISORY BODY:**

The Governing Board meets Bi-annually similarly the Academic advisory body meets Bi-annually.

- **ORGANIZATIONAL CHART AND PROCESSES**

Director Academics





- **NATURE AND EXTENT OF INVOLVEMENT OF FACULTY AND STUDENTS IN ACADEMIC AFFAIRS/IMPROVEMENTS**

The institute has adopted the Faculty Advisory System in which each faculty is assigned with a group of students (not more than 15) with whom students closely interact regarding their academic & other problems. This method immensely helps for further improvements. Faculty Advisors either solves the problems by themselves or help to solve it through proper channel. Students are encouraged to organize various cultural and sports activities in the institute, which helps to develop organizational skills.

- **MECHANISM/NORMS & PROCEDURE FOR DEMOCRATIC/GOOD GOVERNANCE**

Staff Council meets as and when required discussing various problems concerning the institute staff. This council proposes various measures to overcome the difficulties.

- **STUDENT FEEDBACK ON INSTITUTIONAL GOVERNANCE/FACULTY PERFORMANCE**

Feedback forms regarding the methodology of teaching are given to the students by each of the faculty member who takes a particular subject at the end of the semester. Students fill up these forms, which are basically in the form of a questionnaire with their comments not mentioning their names. These forms are submitted to HOD council for analysis. Similar feedback forms are also available in the Warden's office regarding the hostel matters.

- **GRIEVANCE REDRESSAL MECHANISM FOR FACULTY, STAFF AND STUDENTS**

Faculty and staff grievances regarding administrative matters are reported to the Principal via Administrative Officer. Students interact with their respective faculty advisors, which are routed to In charge, Students 'Welfare or Administrative Officer as per its nature.

**1. Grievance Cell**

- |      |                             |             |
|------|-----------------------------|-------------|
| i.   | Dr. Bhagaban Jayasingh,     | Coordinator |
| ii.  | Dr. Amarendra Chainai,      | Member      |
| iii. | Mrs. Rashmi Rekha Sahoo,    | Member      |
| iv.  | Mr. Subrat Sethy,           | Member      |
| v.   | Mrs. Rashmi Prava Satpathy, | Member      |

**2. Anti-Ragging Cell**

- |      |                              |             |
|------|------------------------------|-------------|
| i.   | Mr. Alok Kumar Pani,         | Coordinator |
| ii.  | Ms. Madhulita Mohapatra,     | Member      |
| iii. | Mr. Madhab Prasad Pani,      | Member      |
| iv.  | Mr. Samar Ghose,             | Member      |
| v.   | Ms. Krushnashree S.S. Sahoo, | Member      |

**V. PROGRAMMES**

- **NAME OF THE PROGRAMMES (UG) APPROVED BY THE AICTE**

1. Computer Sc. & Engg
2. Electronics & Telecommunication Engg
3. Electrical Engg
4. Mechanical Engg

- **NAME OF THE PROGRAMMES ACCREDITED BY THE AICTE**

None

- **FOR EACH PROGRAMME THE FOLLOWING DETAILS ARE TO BE GIVEN:**

Name	<b>Computer Sc &amp; Engg</b>
Number of seats	<b>60</b>
Duration	<b>4 yrs</b>
Cut off mark/rank for admission during the last three years	<b>JEE/AIEEE Rank</b>
Fee	<b>As prescribed by the fee committee (State Govt)</b>
Placement Facilities	<b>Through various on &amp; off campus interview conducted by the Placement Cell of the Institute.</b>
Campus placement in last three years with minimum salary, maximum salary and average salary	<b>Min Salary Rs. 1,92,000/- Max-Rs.3,00, 000/- (Per Annum) Avg. Rs. 2,40,000/-</b>

Name	<b>Electronics &amp; Telecommunication Engg</b>
Number of seats	<b>90</b>
Duration	<b>4 yrs</b>
Cut off mark/rank for admission during the last three years	<b>JEE/AIEEE Rank</b>
Fee	<b>As prescribed by the fee committee (State Govt)</b>
Placement Facilities	<b>Through various on &amp; off campus interview conducted by the Placement Cell of the Institute.</b>
Campus placement in last three years with minimum salary, maximum salary and average salary	<b>Min Salary Rs. 1,92,000/- Max-Rs.3,60, 000/- (Per Annum) Avg. Rs. 2,40,000/-</b>

Name	<b>Electrical Engg</b>
Number of seats	<b>90</b>
Duration	<b>4 yrs</b>
Cut off mark/rank for admission during the last three years	<b>JEE/AIEEE Rank</b>
Fee	<b>As prescribed by the fee committee (State Govt)</b>
Placement Facilities	<b>Through various on &amp; off campus interview conducted by the Placement Cell of the Institute.</b>
Campus placement in last three years with minimum salary, maximum salary and average salary	<b>Min Salary Rs. 1,20,000/- Max-Rs.2,64, 000/- (Per Annum) Avg. Rs. 1,80,000/-</b>

Name	<b>Mechanical Engg</b>
Number of seats	<b>60</b>
Duration	<b>4 yrs</b>
Cut off mark/rank for admission during the last three years	<b>JEE/AIEEE Rank</b>
Fee	<b>As prescribed by the fee committee (State Govt)</b>
Placement Facilities	<b>Through various on &amp; off campus interview conducted by the Placement Cell of the Institute.</b>
Campus placement in last three years with minimum salary, maximum salary and average salary	<b>Min Salary Rs. 1,20,000/- Max-Rs.3,00, 000/- (Per Annum) Avg. Rs. 1,68,000/-</b>

- **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 DETAILS:**

**NOT APPLICABLE**

- **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

**NOT APPLICABLE**

- **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 16<sup>TH</sup> MAY, 2005**

**Computer Science & Engg:**

<b>Sl. No</b>	<b>Name of the Faculty</b>	<b>Designation</b>
1	Mr. Alok Kumar Pani	Asst. Prof in CSE
2	Mr.Pravash Ranjan Swain	Asst. Prof in CSE
3	Mr Ashok Kumar Murmu	Asst. Prof in CSE
4	Mr.Sushant Kumar	Asst. Prof in CSE
5	Mr.Bibhudatta Tripathy	Asst. Prof in CSE
6	Mr Jyotiranjan Swain	Lecturer in CSE
7	Mr Biswojit Nayak	Lecturer in CSE
8	Ms. Sujata Kumari	Lecturer in CSE
9	Mr. Ashish Kumar Luha	Lecturer in CSE

10	Ms. Shashwati Mishra	Asst. Prof in CSE
11	Mr. Manas Kumar Mishra	Asst. Prof in CSE

**Electronics & Telecommunication Engg:**

SI. No	Name of the Faculty	Designation
1	Mr.Gokulananda Sahu	Associate Prof. in E & TC
2	Ms.Rashmi Rekha Sahoo	Asst. Prof in E & TC
3	Ms Madhulita Mohapatra	Asst. Prof in E & TC
4	Mr. Subrat Kumar Sethi	Asst. Prof in E & TC
5	Mr. Jitendra Dalei	Asst. Prof in E & TC
6	Mr. Pravas Chandra Bhoi	Lecturer in E & TC
7	Mr. Subrat Kumar Sahu	Asst. Prof in E & TC
8	Ms. Rosalin	Asst. Prof in E & TC
9	Ms. Soumya Priyadarshini	Lecturer in E & TC
10	Mr. Ritisnigdha Das	Asst. Prof in E & TC
11	Ms. Rasmita Sethy	Lecturer in E & TC
12	Ms. Alaukika Nayak	Asst. Prof in E & TC
13	Mr. Jyoti Sankar Kalia	Asst. Prof in E & TC
14	Mr. Sakti Prasad Rath	Asst. Prof in E & TC

**Electrical Engg:**

SI. No	Name of the Faculty	Designation
1	Prof. Sarat Chandra Tripathy	Prof. in E.E
2	Mrs. Sanhita Mishra	Asst. Prof in E.E
3	Ms. Sipra Mohanty	Lecturer in E.E.
4	Mr. Baikuntha Nath Ojha	Lecturer in E.E.
5	Mr. Ranjan Behera	Lecturer in E.E.
6	Mr. Samsad Begum	Lecturer in E.E.
7	Mr. Chiranjibi Prasad Behera	Asst. Prof in E.E
8	Mr. Kali Charan Pradhan	Asst. Prof in E.E
9	Mr. Rajan Kumar Mishra	Asst. Prof in E.E
10	Mr. Laxmi Narayan Mahanta	Lecturer in E.E.
11	Mr. Sridhara Paltasingh	Lecturer in E.E.
12	Mr. Amit Kumar	Asst. Prof in E.E

**Mechanical Engg:**

SI. No	Name of the Faculty	Designation
1	Mr.Madhab Prasad Pani	Asst. Prof in M.E
2	Mr.Ajit Kumar Behera	Asst. Prof in M.E
3	Mr Deepak Kumar Biswal	Asst. Prof in M.E
4	Mr Rasmi Ranjan Behera	Asst. Prof in M.E
5	Mr Duryodhan Sethi	Lecturer in M.E.
6	Mr.Amarendra Chaini	Asst. Prof in M.E
7	Ms. Krushna Shree S.S. Sahoo	Asst. Prof in M.E
8	Mr. Chinmaya Kumar Sahoo	Asst. Prof in M.E
9	Ms. Lucy Mohapatra	Asst. Prof in M.E
10	Mr. Amit Kumar Pradhan	Lecturer in M.E.



11	Mr. Matru Prasad Debta	Asst. Prof in M.E
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**Humanities & Basic Science:**

Sl. No	Name of the Faculty	Designation
1	Mr. Samar Kumar Ghose	Lecturer in Physics
2	Ms. Rasmita Mall	Lecturer in Physics
3	Dr. Anil Kumar Tripathy	Asst. Prof. in Chemistry
4	Mr Satyabrata Sahu	Lecturer in Chemistry
5	Mr. Bibhu Chandan Pattanayak	Lecturer in Chemistry
6	Mr Samir Kumar Jena	Lecturer in Mathematics
7	Mrs. Kalyani Pradhan	Lecturer in Mathematics
8	Mr. Arijit Ghosh	Lecturer in Mathematics
9	Dr. Bhagaban Jayasingh	Prof. in English
10	Ms. Monalisa Rath	Lecturer in English
11	Mr. Sribatsa Pattanayak	Lecture in Marketing
12	Mr. Subash Chandra Sarangi	Lecture in Marketing
13	Mr. Ashish Kumar Behera	Lecturer in Economics

Permanent Faculty: Student Ratio 1: 15  
Number of faculty employed and left during the last three years

Year	Employed	Left
2008	30	15
2009	27	23
2010	39	21
2011	35	18

- **PROFILE OF DIRECTOR/PRINCIPAL WITH QUALIFICATIONS, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED**



**Prof. Dr. Sarat Chandra Tripathy  
Director (Academics)**

Degree and Honours

- (i) Ph.D. (Electrical Engineering)  
Power Electronics, Control and Instrumentation, Power System
- (a) Fellow Institution of Engineers Calcutta (India). 1984
- (b) Fellow Institution of Electrical Engineers,  
London, (U.K), 1996

**Ex-Professor**

Centre for Energy Studies, Indian Institute of Technology,  
Hauz Khas, New Delhi 110016, India Fax: +91-6752-246641

Professor (Control and Instrumentation) at Institute of Technology and Management, Sector 23-A, Gurgaon-122017 (Haryana), India  
(Phone:+`91-124-2460062)  
E-mail: [sarattripathy@hotmail.com](mailto:sarattripathy@hotmail.com)

**Specialization**

- (i) Power Electronics
- (ii) Instrumentation and Control

**Outline of Career:**

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Degree	Date	University	Subject of Specialization
B.E	1960	Indian Institute of Science, Bangalore (India)	Electrical Engineering
M.Sc (Engg)	1962	Banaras Hindu University India	Electrical Machine Design
Ph.D	1970	University of Minnesota U.S.A	Power Electronics

Ph.D. Thesis Title: Effects of Magnetic Storm on Electric Power System.

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**Brief Resume of Job Experience**

**Experience Details**

32 years of Teaching and research at Banaras Hindu University (1963-67) and Indian Institute of Technology, Delhi (1971-1998)

**Visiting Assignment**

(a) 2 years of visiting Professorship at The University of Calgary, Canada (1976-77) and (1981-82)

(b) 1 year of visiting Professorship at Middle East Technical

University, Ankara, Turkey, (1993-94) academic session.

(c) 3months of visiting scientist position at Kfk, Karlsruhe, Germany from 1<sup>st</sup> July 1994-30<sup>th</sup> Sept.1994.

(d) 3months of visiting Professorship position at Delft University of Technology, Netherlands from 1<sup>st</sup> May 1996 to 31<sup>st</sup> July 1996.

(e) 10 months of visiting Professorship at Helsinki University of Technology, Helsinki, Finland from August 1998 to May 1999.

(f) 1 year of visiting assignment as Senior Engineer at Teollisuuden Voima Oy, Olkiluoto, Finland from June 1999 to May 2000.

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## Employment Record

Position	Organization	Date		Nature of Work
		From	To	
Lecturer in Elect.Engg	Banaras Hindu University, India	Oct.1993	Aug.1967	Teaching at Undergraduate Level in EE
Assistant Professor in Elect. Engg	Indian Institute of Technology, Delhi.	May 1971	Dec 1978	Teaching in Post graduate Level in EE
Professor Center for Energy Studies	Indian Institute of Technology, Delhi	Jan 1979	2004	Post-graduate level teaching in Power System and Energy Conservation Group
Co-ordinator Electric Energy System Group	Indian Institute of Technology, Delhi	Jan 1992	Dec 1995	Co-ordination
Head, Centre For Energy Studies	Indian Institute of Technology, Delhi	Sept. 1989	Aug. 1992	Administration of the Centre/ Department.
Professor (EE)	Institute of Technology and Management, Sector-23-A Gurgaon-122017 (Haryana) INDIA	2001	2007	Power Electronics Instrumentation and Control

## List of Ph.D. Thesis Supervised

1. Dr.M.Y.Khan: Digital Computer study of switching surges in nonlinear power systems, Ph.D. (1974).
2. Dr.N.Saha: Load frequency control of power systems, Ph.D, (1976)
3. Dr.G.Durga Prasad: Digital solution of load flow, optimal load flow and state estimation problems in ill conditioned power systems, Ph.D,(1980)
4. Dr.K.K.Patel: Switching transients in transmission systems Ph.D (1982)
5. Dr.Babu Ram: Dynamic over voltages due to load rejection in power systems, Ph.D (1983)
6. Dr.B.Viswanathan: Some studies on compensated EHV transmission lines, Ph.D 1984
7. Dr.T.S.Bhatti: Interacting excitation and speed governor control of power systems, Ph.D. (1984)
8. Dr,D.S.Chauhan: Static state estimation algorithms using Hessian matrix approach, Ph.D (1985)
9. Dr.M.A.Rasheed: Security monitoring of large scale electric power systems, Ph.D (1986)
10. Dr.Shivanna: Static and fast algorithms for power system transient stability, Ph.D(1986)
11. Dr.S.Bandhopadhyay: Lossy magnetic energy storage systems for improvement of power system stability, Ph.D (1987)
12. Dr.P.S.Chandramohan Nair: Adaptive automatic generation control with electrical energy storage, Ph.D. (1991)
13. Dr.M.Kalantar: Digital Simulation of wind stand-alone and wind diesel isolated power systems, Ph.D. (1992)
14. Dr (Mrs)S.R.Lakshmi: Some fast transform methods for power system reliability analysis, Ph.D.(1993)
15. Dr. (Mrs) Sunita Chohan: Static and tracking state estimation in power system with bad data analysis, Ph.D. (1993)

16. Dr.(Mrs) Shashi Bala Malik: Integrated multi level energy systems planning models for rural India, Ph.D.(1994)
17. Dr.S.Prasad: Power system transient stability analysis using catastrophe theory, Ph.D. (1995)
18. Dr.M.Ud-Din Mufti: Self-tuning control of wind diesel power generation systems using energy storage Devices, Ph.D. (1998)
19. Dr.Amit Jain: Artificial Intelligence Application in Power System, Ph.D. (1999)

### SUMMARY OF PAPERS PUBLISHED

Name of Journal	Number of Publication
A. IEEE Transactions of power Apparatus And Systems, IEEE Transactions on energy Conversion.	13
B. IEL Proceedings-Part C (Generation, Transmission and Distribution)	09
C. International Journals on "Electrical Power and energy systems", "Energy Research", "Electric Power system Research", "Electric Machines and Power Systems", "Electrical Engineering Education"	37
D. Journals of Institution of Engineers (India) (Electrical Engineering Division), Other Electrical Journals on Electrical Power Systems.	34
E. Int.J.of Energy Conversion and Management	23
F. International Conference papers	37
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Total: 153	
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### Book Published

. S.C.Tripathy, "Electric Energy Utilisation and Conservation" Tata McGraw Hill Publishing Company Ltd, New Delhi, 1991

### Sponsored Research Project (In Progress)

. Principal Investigator: Prof.S.C.Tripathy, "Security Analysis and State Estimation of Power System, "Rs.5.78 Lakhs, sponsored by Central, Board of Irrigation and Power, New Delhi (1995-98)

### Membership of Professional Societies

- . Fellow of the Institution of Engineers (India), Calcutta, F.I.E. (India). 1984.
- . Fellow of the Institution of Electrical Engineers, London, F.I.E.E, (London), 1996.
- . Chartered Engineer, C.Eng. (London), 1996.

### AWARDS

- (i) Awarded Pandit Mohan Memorial Gold Medal of the Institution of Engineers (India) in 1982.
- (ii) Tata Rao Gold Medal of the Institution of Engineers (India) in 1989 for research papers published in Institution Journal.

### LIST OF FULL RESEARCH PAPERS PUBLISHED IN INTERNATIONAL

#### JOURNALS

- 1) S.C.Tripathy, et al, 'Solar induced currents in power systems: cause and effects' IEEE Trans on power apparatus and systems, March/April, 1973.Vol.92.pp.471-477.

- 2) S.C.Tripathy, et al, 'A stable numerical integration method for transmission transients' IEEE Trans on Power apparatus and systems, July/Aug, 1977, Vol.96, pp.1399-1407.
- 3) S.C.Tripathy, et al, Comparison of stability properties of numerical integration methods for switching surges 'IEEE Trans.on Power apparatus and systems, Nov./Dec. 1978, Vol. 97 pp.2318-2325.
- 4) S.C.Tripathy, et al, 'A variable step decoupled state estimator' IEEE Trans.on Power apparatus and systems, March/April 1979, Vol. 98, pp. 436-443.
- 5) S.C.Tripathy, et al, 'Power system static state estimation by the Levenberg-Marquard algorithm', IEEE Trans.on Power apparatus and systems, March/April, 1980, Vol. 99, pp. 695-702.
- 6) S.C.Tripathy, et al, 'Load flow solution of ill-conditioned power systems by a Newton like method', IEEE Trans.on Power apparatus and systems, Vol.101 Sept/Oct., 1982, pp.3648-3657.
- 7) S.C.Tripathy, et al, 'Sampled data automatic generation control analysis with reheat steam turbines and governor dead band effects' IEEE Trans.on power apparatus and systems, May 1984, vol. 103, pp. 1045-1051.
- 8) S.C.Tripathy, et al, 'Numerical Techniques for computing surges in multiphase power system with nonlinear lumped elements', Proc.IEE, vol.121, Dec.1974, pp. 1572-1574.
- 9) S.C.Tripathy, et al, 'Real time monitoring of system using fast decoupled load flow', Proc.IEE, vol.124, July, 1977, pp.602-606.
- 10) S.C.Tripathy, et al, 'Effect load characteristics and voltage regulator speed stabilizing signal on power system dynamic stability', Proc.IEE, vol. 124, July 1977, pp. 613-618.
- 11) S.C.Tripathy, et al, 'Optimization of load frequency control parameters for power system with reheat steam turbines and governor dead band nonlinearity', Proc.IEE, vol.129, Pt.C.Jan,1982, pp.10-16.
- 12) S.C.Tripathy, et al, 'Microprocessor based adaptive load frequency control', Proc.IEE, vol.131 Pt.C.No4, July, pp. 121-128.
- 13) S.C.Tripathy, et al, 'Load flow solution for ill conditioned power system by a quadratically convergent Newton like method', Proc. IEE, vol.127, Sept. 1980, pp. 275-280.
- 14) S.C.Tripathy, et al, 'Temporary over voltage due to load rejection a series compensated transmission line', Proc IEE, vol. 130, Pt C, Jan. 1983, pp. 8-15.
- 15) S.C.Tripathy, et al, 'Control of Dynamic over voltage due to load rejection by static shunt compensation', Electrical Power & Energy Systems, vol.7, No 1, Jan.1985, pp. 29-36.
- 16) S.C.Tripathy, et al, 'Optimization of exciter and speed governor control parameters in stabilizing intersystem oscillations with voltage dependent load characteristics' Int. J. of Electrical Power and Energy Systems, vol. 3, July 1981, pp 127-133.
- 17) S.C.Tripathy, et al, 'Micro machine as a teaching aid to power system simulation study', 'Indian Journal of Technical Education', vol.6, No. 1, April 1979, pp. 42-47.
- 18) S.C.Tripathy, et al, 'An algorithm for transients in transmission system with nonlinear resistive element' International Journal of Electrical Engineering education, Manchester, vol. 11, 1974, pp. 233-243.
- 19) S.C.Tripathy, et al, 'Stability of load frequency control system for interconnected power system with governor dead band non linearity', International Journal of Electrical Engineering Education, Manchester, vol. 13, 1976, pp. 131-140.
- 20) S.C.Tripathy, et al, 'The micro-machine as a teaching aid to power system simulation study' International Journal of Electrical Engineering Education, Manchester, Vol.17, 1980, pp. 39-40.
- 21) S.C.Tripathy, et al, 'Synchronous machine stability at low excitation' Journal of Institution of Engineers, vol. 58 EL 1, Oct. 1967, pp. 141-158.
- 22) S.C.Tripathy, et al, 'Sub optimal regulator for automatic generation control of power system', Journal of Institution of Engineers (India), vol.58, EL 3, Dec. 1977 pp.176-184.

- 23) S.C.Tripathy, et al,' Interacting optimal voltage regulator and load frequency controller in power system' Journal of Institution of Engineers (India), vol.59, EL 6, June 1979, pp. 327-332.
- 24) S.C.Tripathy, et al,'State variable model for load frequency control of hydrothermal power systems', Journal of Institution of Engineers (India), vol. 69, EL 6, June 1979, pp. 327-332.
- 25) S.C.Tripathy, et al,'Effect of governor dead band non linearity on stability of conventional and dynamic load frequency controls', Journal of Institution of Engineers (India), vol.60, EL 4, Jan. 1980, pp. 172-177.
- 26) S.C.Tripathy, et al,'Digital Computer study of switching surges on series capacitor compensated lines' Journal of Institution of Engineers (India), vol.59. EI 2, Oct.1979. pp 340-345.
- 27) S.C.Tripathy, et al,'Interaction of voltage and frequency control loops and optimization of parameters', Journal of Institution of Engineers (India), vol.62. EI 2, Oct.1981. pp 33-39.
- 28) S.C.Tripathy, et al, 'Digital simulation of transient over voltages caused by earth fault on Bipolar EHV de lines', Indian Journal of Technology, vo.26, No.4, April 1980, pp. 161-167.
- 29) S.C.Tripathy, et al'Digital calculation of transient over voltages on bipolar HVDC lines due to monopolar ground fault', Journal of Institution of Engineers (India), vol 61, EL 1,1980, pp. 16-21.
- 30) S.C.Tripathy, et al' Load flow solution for ill conditioned power system by quadratically convergent Newtonlike method', Journal of Institution of Engineers (India), vol. 60, EL 6, June 1980, pp. 293 296.
- 31) S.C.Tripathy, et al'Data acquisition and monitoring of micro-alternator' Journal of Institution of Engineers (India), vol.62, EL 3, Dec. 1981, pp. 101-106.
- 32) S.C.Tripathy, et al 'Accurate digital torque angle meter', Journal of Institution of Engineers (India), vol. 61, EL 3, Dec. 1980, pp. 111-115.
- 33) S.C.Tripathy, et al 'Switching over voltages of cross bonded cable systems cascaded with over-head lines using Fourier transform' Journal of Institution of Engineers (India), vol. 72, EL 2, Oct. 1982, pp. 72-79.
- 34) S.C.Tripathy, et al 'Real time torque angle monitoring of micro alternator', Journal of Institution of Engineers (India), vol64, ELI Aug. 1983, pp.33-40.
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### VIII.

### FEE

#### ❖ DETAILS OF FEE, AS APPROVED BY STATE FEE COMMITTEE, FOR THE INSTITUTION.

<b>Courses</b>	<b>4 Year B. Tech Course</b>	<b>Lateral Entry</b>
<b>Heads/ Year</b>	<b>Admission Year</b>	<b>Admission Year</b>
Tuition Fees	55,000.00	55,000.00
BPUT Fees (One Time)	4,500.00	4,500.00
College Caution Money (One Time, Refundable)	2,500.00	2,500.00
Training Fees	2,500.00	5,000.00
Blazer (One Time)	2,500.00	2,500.00

<b>Total</b>	<b>67,000.00</b>	<b>69,500.00</b>
<b>Optional Charges</b>		
Hostel Seat Rent (Per Year)	11,000.00	11,000.00
Hostel Caution Money (Refundable)	3,000.00	3,000.00
<b>Grand Total</b>	<b>81,000.00</b>	<b>83,500.00</b>

❖ **TIME SCHEDULE FOR PAYMENT OF FEE FOR THE ENTIRE PROGRAMME.**

31 July of every year for payment of Annual Fees

❖ **NO. OF FEE WAIVERS GRANTED WITH AMOUNT AND NAME OF STUDENTS.**

**TFW Students Details**

<b>Name of the Students</b>	<b>BPUT Registration No</b>	<b>Branch</b>
Srutee Pattanaik (F)	1101221030	E & TC. Engg
Jyotirmay Khatei (M)	1101221023	E & TC. Engg
Ashis Kumar Sahoo (M)	1101221008	Electrical Engg
Nitay Ghosh (M)	1101221011	Electrical Engg
Soumya Ranjan Tripathy (M)	1101221051	Mechanical Engg
Tadasha Mohanty (F)	1101221005	Comp. Sc & Engg

❖ **NUMBER OF SCHOLARSHIP OFFERED BY THE INSTITUTE, DURATION AND AMOUNT**

None

❖ **CRITERIA FOR FEE WAIVERS/SCHOLARSHIP.**

❖ **ESTIMATED COST OF BOARDING AND LODGING IN HOSTELS.**

Rs. 11,000/-(Maximum) per student per year (for the session 2012-13).

**IX. ADMISSION**

❖ **NUMBER OF SEATS SANCTIONED WITH THE YEAR OF APPROVAL.**

<b>Year of Approval</b>	<b>BRANCH</b>	<b>Seats Sanctioned</b>
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1997	COMP.SC.ENGG	30
	ELECTRICAL ENGG	30
	E & I ENGG	30
	<b>TOTAL</b>	<b>90</b>
1998	COMP.SC ENGG	60
	ELECTRICAL ENGG	60
	E & I ENGG	60
	MECHANICAL ENGG	60
	<b>TOTAL</b>	<b>240</b>
1999	COMP.SC ENGG	60
	ELECTRICAL ENGG	60
	E & I ENGG	60
	MECHANICAL ENGG	60
	I.T	40
	<b>TOTAL</b>	<b>280</b>
2000	COMP.SC ENGG	80
	ELECTRICAL ENGG	60
	E & I ENGG	60
	MECHANICAL ENGG	60
	I.T	60
	<b>TOTAL</b>	<b>320</b>
2001	COMP.SC & ENGG	90
	ELECTRICAL ENGG	60
	E & I ENGG	60
	MECHANICAL ENGG	60
	I.T	60
	<b>TOTAL</b>	<b>330</b>
2002	COMP. SC & ENGG	60
	ELECTRICAL ENGG	60
	E & I ENGG	60
	MECHANICAL ENGG	60
	I.T	60
	<b>TOTAL</b>	<b>300</b>
2003	COMP.SC & ENGG	60
	ELECTRICAL ENGG	60
	E & TC ENGG	60
	MECHANICAL ENGG	60
	I.T	60
	<b>TOTAL</b>	<b>300</b>
2004	COMP.SC & ENGG	60
	ELECTRICAL ENGG	60
	E & TC ENGG	60
	MECHANICAL ENGG	60
	IT	60
	<b>TOTAL</b>	<b>300</b>
2005	COMP.SC ENGG	60
	ELECTRICAL ENGG	60
	E & TC ENGG	60
	MECHANICAL ENGG	60
	I.T	30
	<b>TOTAL</b>	<b>270</b>
2006	COMP.SC ENGG	60
	ELECTRICAL ENGG	60
	E & TC ENGG	60

	MECHANICAL ENGG	60
	<b>TOTAL</b>	<b>240</b>
<b>2007</b>	COMP.SC ENGG	60
	ELECTRICAL ENGG	60
	E & TC ENGG	60
	MECHANICAL ENGG	60
	<b>TOTAL</b>	<b>240</b>
<b>2008</b>	COMP.SC ENGG	60
	ELECTRICAL ENGG	60
	E & TC ENGG	60
	MECHANICAL ENGG	60
	<b>TOTAL</b>	<b>240</b>
<b>2009</b>	COMP.SC ENGG	60
	ELECTRICAL ENGG	90
	E & TC ENGG	90
	MECHANICAL ENGG	60
	<b>TOTAL</b>	<b>300</b>
<b>2010</b>	COMP.SC ENGG	60
	ELECTRICAL ENGG	90
	E & TC ENGG	90
	MECHANICAL ENGG	60
	<b>TOTAL</b>	<b>300</b>
<b>2011</b>	COMP.SC ENGG	60
	ELECTRICAL ENGG	90
	E & TC ENGG	90
	MECHANICAL ENGG	60
	<b>TOTAL</b>	<b>300</b>
<b>2012</b>	COMP.SC ENGG	60
	ELECTRICAL ENGG	90
	E & TC ENGG	90
	MECHANICAL ENGG	60
	<b>TOTAL</b>	<b>300</b>
<b>2013</b>	COMP.SC ENGG	60
	ELECTRICAL ENGG	90
	E & TC ENGG	90
	MECHANICAL ENGG	60
	<b>TOTAL</b>	<b>300</b>

**❖ NUMBER OF STUDENTS ADMITTED UNDER VARIOUS CATEGORIES EACH YEAR IN THE LAST THREE YEARS.**

<b>YEAR</b>	<b>BRANCH</b>	<b>APPROVED INTAKE</b>	<b>STUDENTS ADMITTED</b>	<b>JOINED UNDER LE</b>	<b>TOTAL</b>
	COMP.SC ENGG	60	15	<b>04</b>	19
	ELECTRICAL ENGG	90	81	<b>15</b>	96

<b>2009-10</b>	E & TC ENGG	90	80	<b>13</b>	93
	MECHANICAL ENGG	60	60	<b>06</b>	66
	<b>TOTAL</b>	<b>300</b>	<b>236</b>	<b>21</b>	<b>274</b>
<b>2010-11</b>	COMP.SC ENGG	60	13	01	14
	ELECTRICAL ENGG	90	40	04	44
	E & TC ENGG	90	36	07	43
	MECHANICAL ENGG	60	44	06	50
	<b>TOTAL</b>	<b>300</b>	<b>133</b>	<b>18</b>	<b>151</b>
<b>2011-12</b>	COMP.SC ENGG	60	15	07	<b>22</b>
	ELECTRICAL ENGG	90	14	04	<b>18</b>
	E & TC ENGG	90	27	06	<b>33</b>
	MECHANICAL ENGG	60	05	01	<b>06</b>
	<b>TOTAL</b>	<b>300</b>	<b>61</b>	<b>18</b>	<b>79</b>

**❖ NUMBER OF APPLICATIONS RECEIVED DURING LAST TWO YEARS FOR ADMISSION UNDER MANAGEMENT QUOTA AND NUMBER ADMITTED.**

Year	Number application received for admission under M.Q.	Students admitted under NRI/Management Quota
2010-11		<b>20</b>
2011-12		<b>09</b>

**X. ADMISSION PROCEDURE**

**(AS PER THE JEE, ORISSA GUIDELINES)**

**❖ MENTION THE ADMISSION TEST BEING FOLLOWED, NAME AND ADDRESS OF THE TEST AGENCY AND ITS URL (WEBSITE).**

ORISSA JEE (BPUT)- [www.bput.org](http://www.bput.org)  
AIEEE (CBSE) - [www.cbse.org](http://www.cbse.org)

**❖ NUMBER OF SEATS ALLOTTED TO DIFFERENT TEST QUALIFIED CANDIDATES SEPARATELY [AIEEE/CET (STATE CONDUCTED TEST/UNIVERSITY TESTS)/ASSOCIATION CONDUCTED TEST]**

**(As per the JEE, Orissa Guidelines)**

70% seats of Approved Intake through Orissa JEE  
& Remaining 15% seats from AIEEE, 15% seats for NRI quota.

❖ **CALENDAR FOR ADMISSION AGAINST MANAGEMENT/VACANT SEATS:**

- Last date for request for applications. (Given by BPUT for each year)
- Last date for submission of application.
- Dates for announcing final results.
- Release of admission list (main list and waiting list should be announced on the same day)
- Date for acceptance by the candidate (time given should in no case be less than 15 days)
- Last date for closing of admission.
- Starting of the Academic session.
- The waiting list should be activated only on the expiry of date of main list.
- The policy of refund of the fee, in case of withdrawal, should be clearly notified.

(As per the JEE, Orissa  
Guidelines)

**XI. CRITERIA AND WEIGHTAGES FOR ADMISSION**

(As per the JEE, Orissa

**Guidelines)**

- ❖ Describe each criteria with its respective weightages i.e. Admission Test, marks in qualifying examination etc.
- ❖ 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.

Under Process for Website update

**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.

(As per the JEE, Orissa Guidelines)

Under Process for Website update

**XIV. RESULTS OF ADMISSION UNDER MANAGEMENT SEATS/VACANT SEATS**

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) Under Process for Website update

❖ Score of the individual candidates admitted arranged in order of merit. Under Process for Website update

❖ List of candidates who have been offered admission. Under Process for Website update

❖ Waiting list of the candidates in order of merit to be operative from the last date of joining of the first list candidates. Under Process for Website update

❖ List of the candidates who joined within the date, vacancy position in each category before operation of waiting list. Under Process for Website update

#### **XV. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE LIBRARY:**

➤ Number of Library books/Titles/Journals available (programme-wise)

Sl.No	Programme	No. of Titles	Volumes	Journals	
				National	International
1	Comp Sc/IT	602	8278	06	05
2	Electrical Engg	369	5272	07	05
3	E & TC Engg	426	6323	08	05
4	Mechanical Engg	431	6291	15	07
5	SC & Humanities / Inter disciplinary	628	8853	15	06
<b>TOTAL</b>		<b>2456</b>	<b>35017</b>	<b>51</b>	<b>28</b>

➤ List of online National/International Journals subscribed.

1. IEEE(ASPP)-EE,ETC,CSE
2. ASME(MECHANICAL)
3. SPRINGER(ELECTRICAL & ELECTRONICS)
4. ASTM
5. JOURNAL OF ENTREPRENEURSHIP (SAGE PUBLICATIONS)

➤ E-Library facilities:- Under Process

#### **LABORATORY:**

For each Laboratory



**DEPARTMENT OF COMPUTER SCIENCE & ENGG.**

**MAJOR EQUIPMENT DETAILS**

<b>SL.NO</b>	<b>NAME OF INSTRUMENT</b>	<b>QTY</b>	<b>SPECIFICATION</b>
1	COMPUTERS (LAB – A)	40	INTEL PENTIUM – IV, 1.7 GHZ 40 GB HARD DISK, 128 RAM, 1.44 MB FLOPPY DISK, 15 “ COLOR MONITOR
2	COMPUTERS (LAB – B)	54	INTEL CORE – 2 DUO 6550 SERIES ,160 GB HARD DISK 1GB RAM, 17” COLOR MONITOR, DVD R/W
3	COMPUTERS(LAB – C)	37	INTEL PENTIUM – IV 1.8 GHZ, 40 GB HARD DISK ,1.44 MB FDD, 128 MB SD RAM ,15” COLOR MONITOR
4	COMPUTERS (LAB – D)	96	INTEL PENTIUM – IV 1.8 GHZ, 40 GB HARD DISK ,1.44 MB FDD, 128 MB SD RAM ,15” COLOR MONITOR
5	SONIC WALL	1	NSA 2400
6	SAMSUG PRINTER	1	ML – 1710 SERIES
7	HP SCANNER	1	SCANJET 3670
8	EPSON DOT MATRIX PRINTER	1	LQ.1150
9	D – LINK SWITCH	2	24 PORT
10	D – LINK FIREWALL	1	DFL – 1600 NET DEFEND IPS
11	PROJECTOR	1	EPSON EMP SIH
12	IBM UNIQUE SERVER	1	AIX 5.2
13	SUN SOLARIS SERVER	1	440 MHZ ULTRA SPRAC 1, 2MB L2 CACHE, 256 RAM , 20 GB HARD DISK, 1.44 MB FDD, 48X CD – ROM
14	IBM E SERVER	1	X SERIES 236
15	IBM E SERVER	1	X SERIES 226
16	IBM E SERVER	1	X SERIES 220

**SYSTEM SOFTWARES**

<b>SL. NO</b>	<b>NAME OF SOFTWARE</b>	<b>SPECIFICATION</b>
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1.	MS WINDOWS XP PROFESSIONAL	50 USERS
2.	MICROSOFT MS -DOS	6.22
3	Turbo C/C++	BORLAND VERSION 3.0
4	MICROSOFT WINDOWS 2003ENTERPRISE SERVER	50 USERS
5	MICROSOFT WINDOWS NT SERVER	4.0 (5 USERS)
6	REDHAT LINUX 2.4.20-8	50 USERS

**APPLICATION SOFTWARES**

<b>SL. NO</b>	<b>NAME OF SOFTWARE</b>	<b>SPECIFICATION</b>
1.	ORACLE	ORACLE CORPORATION VERSION 10 G (40 USER)
2.	SYMANTEC END POINT PROTECTION	11.0 I/O BASIC
3.	MS VISUAL STUDIO .NET 2003 PROFESSIONAL	50 USERS
4.	MICROSOFT OFFICE	1997
5.	MCAFEE ANTIVIRUS	8.0

**ELECTRICAL ENGINEERING DEPARTMENT****LIST OF EQUIPMENT IN EEM LAB**

<b>SL.NO.</b>	<b>NAME OF THE INSTRUMENT</b>	<b>QTY.</b>	<b>SPECIFICATION</b>
1.	3 $\phi$ Auto Transformer	1	415/415-470,15amp,15.P.3
2.	3 $\phi$ Resistive Load Box	1	1A $\times$ 4, .5 $\times$ 2
3.	Measurement of Displacement using LVDT	4	Input 220 V AC
4.	Measurement & control of Temp. Using Thermocouple	5	Input 220 V AC
5.	Torque measurement Trainer	2	Input 220 V AC
6.	Measurement of Strain using Strain Gauge	5	Input 220 V AC
7.	Pressure Measurement Module	2	Input 220 V AC
8.	Capacitive Pickup trainer	1	
9.	Regulated DC power Supply	1	0-5V ,0-10 A
10.	Schering bridge	2	Input 220 V AC
11.	Kelvin's Double Bridge	2	Input 220 V AC
12.	Anderson bridge	2	For self inductance
13.	Decade capacitive box	1	
14.	Portable Wheatstone bridge	1	
15.	Deflection galvanometer	1	Cat no. pl64
16.	Spectrum analyzer	1	
17.	Synchroscope	1	
18.	1 $\phi$ Auto Transformer	1	
19.	1 $\phi$ Load box	1	1 KW, 4 AMP,230V
20.	1 $\phi$ Load box	1	3 KW, 12 AMP,230V
21.	Current Transformer	1	5:1WPL,5VAMP,66KV

22.	Potential Transformer	1	230/110V, 66KV
23.	ResistanceTemp.Display	5	230V,50HZ
24.	AC AMMETER	2	0 – 10 AMP
25.	AC VOLTMETER	1	0 – 600 VOLT
26.	AC VOLTMETER	1	0 – 300 VOLT
27.	WATTMETER	2	0 – 600 V, 1200W
28.	WATTMETER	1	0 – 300 V, 300W,10A
29.	WATTMETER	1	0 – 230 V, 1200W
30.	ENERGYMETER	2	1 phase 2 wire , 240v,50 Hz
31.	MULTIMETER	1	0-1000V AC

**ELECTRICAL ENGINEERING DEPARTMENT  
LIST OF EQUIPMENT IN MACHINE & BEE LAB**

SI No.	NAME OF THE INSTRUMENT	QTY.	SPECIFICATION
1	Main AC Incoming Panel,	1	Voltage – 415 V 3 Phase, 50 Hz Amps – 100 A Rating – CMR
2	AC Distribution Panel	1	Volts– 415V, 3 Phase, 50 Hz. Amps – 100 A Rating – CMR
3	DC Rectifier Unit	1	AC Rating Voltage – 415 V AC Phase – 3 Frequency – 50 Hz Currents – 30 A Rating – CMR DC Rating Voltage – 220 V DC Currents – 50 A DC Excitation– 220V DC Rating – CMR
4	DC Distribution Panel	1	Volts - DC 230V Amps – 100 A Rating – CMR

5	DC Motor Alternator Set	1	DC Shunt Motor 5 HP, 1500 RPM 220 V, 18 A DC Excitation– 220V DC Rating – CMR IS - 4772 Alternator 3 KVA, 415 V, 3,5A, 3 Phase, 50 Hz, 1500 RPM Excitation– 220V
<b>SI No.</b>	<b>NAME OF THE INSTRUMENT</b>	<b>QTY.</b>	<b>SPECIFICATION</b>
6	DC Motor Alternator Set	1	DC Shunt Motor 5 HP, 1500 RPM 220 V, 18 A DC Excitation– 220V DC Rating – CMR IS - 4772 Alternator 3 KVA, 415 V, 3,5A, 3 Phase, 50 Hz, 1500 RPM Excitation– 220V DC Rating – CMR
7	AC Machine Type – CSCR	1	1 HP, 1 – Ph, 50 Hz 220V, 5.5 A, 1440 RPM,
8	AC Machine Type – Shaded Pole.	1	0,5 HP, 1 – Ph, 50 Hz, 220V, 2.2A, 1440 RPM, .
9	AC Machine Type – Repulsion	1	1 HP, 1 – Ph, 50 Hz 230V, 4.5 A, 1500 RPM, .
10	AC Machine Type - Universal	1	1 HP, 1 – Ph, 50 Hz 220V, 4.5 A, 1500 RPM, .
11	DC Shunt Motor	1	1 HP, 1500 RPM, 220 V, 4A Excitation–220V DC Class – B, IS– 4772.
12	DC Motor – Generator Set	1	DC Shunt Motor 3 HP, 1500 RPM,

			220 V, 12A, Excitation–220V DC Class – B, IS– 4772.  DC Shunt Generator 2 KW, 1500 RPM
<b>SI No.</b>	<b>NAME OF THE INSTRUMENT</b>	<b>QTY.</b>	<b>SPECIFICATION</b>
13	DC Motor – Generator Set	1	DC Shunt Motor 2 HP, 1500 RPM, 220 V, 9A, Excitation–220V DC  DC Shunt Generator 1 KW, 1500 RPM, 220 V, 4.5A, Excitation–220V DC
14	AC Induction Motors Set (For Cascade Operation)	1	SR Induction Motor 3 HP, 3 – Ph, 50 Hz 415V, 5 A,1000 RPM  SC Induction Motor 3 HP, 3 – Ph, 50 Hz 415V, 4.5 A, 3000 RPM
15	DC Shunt Motor	1	2 HP, 1500 RPM, 220 V, 6.8A, Excitation–220V DC
16	DC Compound Motor	1	2 HP, 1500 RPM, 220 V, 6.8A,
17	3 $\phi$ Induction Motor	1	3 $\phi$ , 415 V, 50 Hz Type - SC Name Plate Data Not Available
18	3 Phase Synchronous Motor	1	5 HP, 3 – Ph, 50 Hz 415V, 6 A, 1500 RPM Excitation–120V DC
19	Winding Study Motor	1	3 $\phi$ Induction Motor 3 HP/2.2KW, 50 Hz 415V, 4.5 A, 720/2885 RPM

<b>ELECTRICAL ENGINEERING DEPARTMENT</b>			
<b>LIST OF EQUIPMENT IN MACHINE DESIGN &amp; SIMULATION LAB.</b>			
<b>SL. NO.</b>	<b>NAME OF THE INSTRUMENT</b>	<b>QTY.</b>	<b>SPECIFICATION</b>
1	DESKTOP COMPUTER	10	HP 7540

<b>ELECTRICAL ENGINEERING DEPARTMENT</b>			
<b>LIST OF INSTRUMENTS IN NETWORKS &amp; DEVICE LAB</b>			
<b>SL.NO.</b>	<b>NAME OF THE INSTRUMENT</b>	<b>QTY.</b>	<b>SPECIFICATION</b>
1.	Passive Filter trainer	1	
2.	Function generator	2	
3.	Single & double tuned amplifier	2	
4.	Regulated DC power supply	3	Input -1 $\phi$ 230V AC
5.	1 Phase Variac	3	Input -1 $\phi$ 230V AC
6.	3 Phase Variac	1	
7.	3Phase Load box	1	INPUT-3 $\phi$ 440V
8.	DC Ammeter	2	0 - 10 m A
9.	DC Ammeter	2	0 -50 m A
10.	DC Ammeter	4	0 – 100 m A
11.	DC Ammeter	1	0 – 2 A
12.	DC Ammeter	3	0 – 5 A
13.	DC Ammeter	3	0 – 10 A
14.	AC Ammeter	5	0-2 A
15.	AC Ammeter	6	0-5 A
16.	AC Ammeter	4	0-10 A
17.	AC Ammeter	3	0- 30 A
18.	DC Voltmeter	1	0 – 50 m V

19.	DC Voltmeter	2	0 – 100 m V
20.	DC Voltmeter	2	0 – 250m V
21.	DC Voltmeter	3	0 – 50 V
22.	DC Voltmeter	4	0 – 300 V
23.	DC Voltmeter	1	0 – 600V
24.	DC Voltmeter	1	0 – 1000V
25.	AC Voltmeter	1	0 – 50 V
26.	AC Voltmeter	2	0 – 100 V
27.	AC Voltmeter	1	0 – 300 V
28.	AC Voltmeter	3	0 – 500 V
29.	AC Voltmeter	10	0 – 600 V
30.	Wattmeter	1	600 V, 6/10 A,600/1200 W
31.	Wattmeter	3	600 V, 5/10 A,1500/3000 W
32.	Wattmeter	1	0 – 150 W
33.	Rheostats	1	13 OHM, 8.5 AMP
34.	Rheostats	1	22 OHM, 6 AMP
35.	Rheostats	2	24 OHM, 6.5 AMP
36.	Rheostats	1	38OHM, 5 AMP
37.	Rheostats	2	60 OHM, 4.2 AMP
38.	Rheostats	3	100 OHM, 2.8 AMP
39.	Rheostats	4	130 OHM, 3.3 AMP
40.	Rheostats	3	140 OHM, 2.5AMP
41.	Rheostats	1	710 OHM, .6 AMP
42.	Rheostats	2	295 OHM, 2AMP
43.	Rheostats	1	220 OHM, 1 AMP



*ELECTRICAL ENGINEERING DEPARTMENT*  
*LIST OF EQUIPMENT IN POWER ELECTRONICS LAB*

44.	Rheostats	10	100 OHM, 3 AMP
45.	Rheostats	1	24 OHM, 6.5 AMP
46.	Rheostats	1	22 OHM, 6 AMP
47.	Rheostats	1	9.4 OHM, 10 AMP
48.	Digital Multimeter	2	
49.	Transformers	3	1- $\phi$ ,220V,4.5A,1 KVA

SL.NO.	Name of the Instrument	Qty.	SPECIFICATION
1.	Ujt Controlled Scr Time Delay Ckt.	1 No.	
2.	1- $\phi$ Triggering Module.	1 No	
3.	1- $\phi$ Device Module.	1 No	
4.	Scr, Diac, Triac Characteristics Study & Ujt Triggering Module.	2 No.s	
5.	Oscilloscope	3 No.s.	
6.	Diff. Gate Firing Module.	1 No	
7.	Thyristor Forced Commutation Trainer.	1 No	
8.	Cosine Firing Ckt. For Scr Converters.	1 No	
9.	Chopper Firing Module	1 No	
10.	L – C Module.	1 No	
11.	Device Module.	1 No	
12.	1- $\phi$ Cyclo - Converter Module.	1 No	
13.	Series Inverter		
14.	Powerscope	2 No.s	
15.	3- $\phi$ Half & Full Controlled Converter, Ac Regulator Module	1 No	
16.	Triggering Control Ckt.	1 No	
17.	Parallel Inverter.	1 No	
18.	Regulated Dc Power Supply.	1 No	24V, 5 A
19.	Igbt Based 4 Quadrant Chopper Drive.	1 No	For PMDC Motor, 24 V, 2 A.
20.	Regulated Dc Power Supply.	1 No	30V, 2 A
21.	Igbt Based 3- $\phi$ Pwm. Inverter		For 3- $\phi$ 415 V, 0.5 HP, IM
22.	Regulated Dc Power Supply.		300V, 4 A

23.	SCR Based Series Inverter		
24.	Powerscope	2 No.s	
25.	Digital Storage Oscilloscope	1 No.	50 MHz
26.	Spectrum Analyzer	1 No.	20MHz
27.	Regulated AC Power Supply		
28.	Squirrelcage Induction Motor		
29.	3- $\Phi$ Induction Motor		
30.	PMDC Motor		
31.	DC Ammeters	1No.	0-1 mA
32.	DC Ammeters	2No.s.	0-10 mA
33.	DC Ammeters	3No.s.	0-50 mA
34.	DC Volt Meters	1No.	0-50 mV
35.	DC Volt Meters	1No.s	0-50 V
36.	DC Volt Meters	1No.s.	0-100 V
37.	DC Volt Meters	2 No.s.	0-300 V
38.	AC Volt Meters		0-50 V
39.	AC Volt Meters		0-600 V
40.	Rheostarts	1No.	50 Ohm,4A
41.	Rheostarts	1No.	220 Ohm,1A
42.	Rheostarts	1 no	2360 Ohm,0.6A
43.	Rheostarts	1 No.	4140 Ohm,0.7A
44.	Digital Multimeter	2No.	
45.	Digital Tachometer	1 No.	
46.	Crocodile Chord	10 No.s	
47.	BNC To BNC Chord	10 No.s	

<b>ELECTRICAL ENGINEERING DEPARTMENT</b>			
<b>LIST OF EQUIPMENT IN PS LAB</b>			
<b>SI No.</b>	<b>NAME OF THE INSTRUMENT</b>	<b>QTY.</b>	<b>SPECIFICATION</b>
1	AC distribution panel	1 No	415V AC
2	Variable DC source/ Rectifier	1 No	Input: 415V AC
3	Synchronizing Panel	1 No	For 3PH Alternator
4	Insulating oil Tester	1 No	20V/220V 1-Phase
5	Relay Test Set	1 No	230V, 1 $\phi$ , 50Hz,
6	IDMT OC Relay with Test Kit	1No.	
7	% Biased Differential Relay With Test Kit.	1 No.	
8	Analog PID Controller Trainer.	1No.	Type - VAPCT
9	Analog PID Controller Trainer.	1 No.	Type - VAPCT
10	Linear System Stimulater	1 No.	Type – VLSS - 01
11	Linear System Stimulater	1 No.	Type – VLSS - 01
12	2 Phase AC Servomotor Speed Control & Tr. Func. Study Trainer.	1 No.	Type – PEC – 00A
13	AC Synchro Transmitter & Receiver	1 No.	
14	AC Synchro Transmitter & Receiver	1 No.	
15	Transmission line parameter Measurement module	1 No.	
16	Transmission line module	1 No.	
17	Load set up for Transmission line module	1 No.	
18	Input ac source	1 No.	
19	Potential metric error detector	1 No.	
20	Function generator	1 No.	
21	Temperature control system	1 No.	
22	Digital PID controller	1 No.	
23	DC Position control system	1 No.	

**DEPT.OF ELECTRONICS & TELECOM.ENGG.**

**GHITM ,PURI**

<b>LABORATORY</b>	<b>MAJOR EQUIPMENT /SETUP DETAILS</b>	<b>QUANTITY</b>

<b>COMMUNICATION LAB (ANALOG &amp; DIGITAL)</b>	A /D Converter (ST2601)	03
	D/A Converter (ST 2602)	03
	Delta Modulator & Adaptive Delta Modulator (ST 2105)	03
	Data Formatting & Carrier Modulation Trainer (ST 2106)	03
	Carrier Demodulation Trainer(ST 2107)	03
	Variable data Generator (ST 2111)	03
	QAM Trainer (ST 2112)	03
	Digital Storage Oscilloscope Model-Caddo9060 With Color LCD	03
	DSB/SSB AM Transmitter Trainer (ST 2201)	03
	DSB/SSB AM Receiver Trainer(ST 2202)	03
	FM Modulation/Demodulation Trainer (ST 2203)	03
	FM Communication Trainer(ST 2204)	03
	Noise-Audio Amplifier Trainer(ST 2205)	03
	FDM Trainer(ST 2211)	03
	AM/FM Function Pulse Generator (ST 4062)	03
	Advance CRO 25 MHz, Two channel 4 trace oscilloscope with 10 MHz function pulse generator.	01
Function Generator-20MHz	01	

	CRO –60MHz	02
	30MHz	01
	20MHz	03
	Lab view software-10 user	01
	Function Generator-2MHz-	5
	DSA-1030-9KHz to 3 GHz Spectrum Analyzer	1
	CDMA-02 Mobile Communication Trainer	1
	BLINK-4 ISDN Training system	1
	LTS-01 LAN Trainer,LSIM-LAN Protocol Simulator and Analyzer Software	1
	ST-2103 TDM PCM Transmitter Trainer.	2
	ST-2104 TDM PCM Reciever Trainer-	2
	ST-2170-(A,B,C,D,E,F,G,H,I BPSK,QPSK Kit	2
	Lab View Software-10 Users	1

<b>LABORATORY</b>	<b>MAJOR EQUIPMENT/ SETUP DETAILS</b>	<b>QUANTITY</b>
<b>VLSI LAB</b>	VLSI Trainer (ST-102)	02
	VLSI Trainer (ST-103 )	02
	VLSI Trainer (ST-104)	02

	Computer p4,2.8GHZ ,HDD-80GB,FDD-1.44,CD DRIVE,RAM-256 MB	08
	Tanner Tools Pro Software	01

LABORATORY	MAJOR EQUIPMENT/ SETUP DETAILS	QUANTITY
<b>DIGITAL SIGNAL PROCESSING LAB</b>	DSP Trainer (Using TMS320C50 based micro-50EB)	12
	CRO-30MHz	3
	20MHz	3
	Function Generator100KHz	5
	1MHz	1
	Computer p4 ,2.8GHZ ,HDD-80GB,FDD-1.44,CD DRIVE,RAM-256 MB	20
	Orcad Pspice-5User.	1
	MATLAB 7.4R -20 User with tool box	1

LABORATORY	MAJOR EQUIPMENT/ SETUP DETAILS	QUANTITY
<b>ANALOG</b>	Universal Electronics Trainer-10No.s	10

<b>ELECTRONICS LAB &amp; BASIC ELECTRONICS LAB</b>	CRO-20 MHz	6
	30 MHz	4
	Function Generator- 3MHz.	6
	20MHz	4
	Digital Multimeter (18 Amp DC (max), 30 MHz)	10

<b>LABORATORY</b>	<b>MAJOREQUIPMENT/ SETUP DETAILS</b>	<b>QUANTITY</b>
<b>MICROPROCESSOR LAB</b>	8085 Trainer Kit	17
	8086/8088 Mp Trainer Kit	10
	PC based Data Acquisition Card	1
	Micro controller 8031/51 EB Kit	2
	EPR0M Programmer Interface Board-	1
	CRO-20 MHz	2
	Function Generator -20MHz	2
	Interfacing Card (.8255 card,8253 card,8251 card, 8279 card, ADC card, DAC card, Stepper motor Card, Elevator Simulator interface, Traffic light control)	28

<b>LABORATORY</b>	<b>MAJOR EQUIPMENT/</b>	<b>QUANTITY</b>
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	<b>SETUP DETAILS</b>	
<b>DIGITAL ELECTRONICS LAB</b>	Universal Electronics Trainer	10
	Multiplexer Trainer Test Equipment	1
	Demultiplexers Trainer Test Equipment	1
	Binary to decimal Decoder Test Equipment.	1

<b>LABORATORY</b>	<b>MAJOR EQUIPMENT/ SETUP DETAILS</b>	<b>QUANTITY</b>
<b>COMMUNICATION SYSTEM LAB.</b>	Satellite Communication Trainer .(ST 2272)	3
	Advance Fiber Optic Trainer(ST 2502)	2
	Antenna Trainer(ST 2261)	1
	Optical Power meter(ST 2551)	2
	Multiplexer/Demultiplexer Decoder trainer(ST 2503)	2
	Microwave Power Meter& Power Sensor(QF 2490)	1
	Klystron source based Microwave Test Bench with voice communication (MT 9000-NVIS)	1
	Klystron based Antenna Microwave Test Bench with voice communication (MT 9002 NVIS)	1
	Universal Electronics Trainer.	7

Doppler Radar -NV 2001.	1
Colour TV Receiver- ST 2651	1
Laser Diode ST 2506	1
Gunn Power supply-NV101A	1
Gunn Oscillator-NV-201	1
Pin Modulator-NV-202	1
Cooling Fan-NV-250	1
BNC Cable	1
Measurement of Scattering parameters NV-244	1
NV-245	1
H-plane-NV-222	1
E-plane NV-221	1
Magic Tree-NV-223	1
Matched Termination-NV-212	3
Liquid Dielectric Cell-NV-237	1
Solid Dielectric Cell-NV-236	1
Precision Movable Shot NV-235	1
Phase Shifter NV-238	1
W/g Cavity Resonator NV-234	1

	Multi Hole Directional Coupler 10dB-NV-228	1
	3dB-NV-226	1
	6dB-NV-227	1
	Scattering Parameters of Circulators/Isolators T-Circulator NV-230	1
	Y-Circulator NV-231	1

**DEPARTMENT OF MECHANICAL ENGINEERING, GHITM PURI**

**MAJOR EQUIPMENTS**

<b>LABORATORY</b>	<b>SL. NO.</b>	<b>MAJOR EQUIPMENTS/SETUP DETAILS</b>	<b>NOS.</b>		
<b>Material Testing LAB</b>	1	Impact Testing Machine	1		
	2	Fatigue Testing Machine	1		
	3	Torsion Testing Machine	1		
	4	Universal Testing Machine	1		
	5	Hardness Testing Machine	1		
	6	Impact Tool Kit	1		
	7	Bench Grinder	1		

**DEPARTMENT OF MECHANICAL ENGINEERING, GHITM PURI**

<b>LABORATORY</b>	<b>LABORATORY</b>	<b>LABORATORY</b>	<b>LABORATORY</b>		
<b>Y</b>	<b>Y</b>		<b>ORY</b>		

<b>Heat Transfer and Refrigeration Lab</b>	<b>SL. NO.</b>	<b>MAJOR EQUIPMENTS/SET UP DETAILS</b>	<b>NOS.</b>		
	<b>1</b>	Refrigeration Tutor Test Rig	1		
	<b>2</b>	Air conditioning Tutor Test Rig	1		
	<b>3</b>	Reynolds Apparatus	1		
	<b>4</b>	Cochran Boiler	1		
	<b>5</b>	Babcock & Wilcox Boiler	1		
	<b>6</b>	Emissivity Measurement Apparatus	1		
	<b>7</b>	Shell & Tube Heat Exchanger	1		
	<b>8</b>	Thermal conductivity of Metal Rod	1		

<b>DEPARTMENT OF MECHANICAL ENGINEERING, GHITM PURI</b>					
<b>LABORATORY</b>	<b>SL. NO.</b>	<b>MAJOR EQUIPMENTS/SETUP DETAILS</b>	<b>NOS.</b>		
<b>Work Shop Lab</b>	<b>1</b>	Pillar Drilling Machine (M1)	1		
	<b>2</b>	Pillar Drilling Machine (M2)	1		
	<b>3</b>	Universal Milling Machine (P016)	1		
	<b>4</b>	Universal Milling Machine (P015)	1		
	<b>5</b>	Center Lathe (1650/2)	1		
	<b>6</b>	Center Lathe (1650/1)	1		
	<b>7</b>	Center Lathe (2050/2)	1		
	<b>8</b>	Center Lathe (2050/2)	1		
	<b>9</b>	Capstan Lathe	1		
	<b>10</b>	Planing Machine	1		
	<b>11</b>	Center Lathe (HMT)	1		
	<b>12</b>	Shaping Machine	1		
	<b>13</b>	Chain Pulley Block	1		
	<b>14</b>	CNC Lathe	1		
	<b>15</b>	Power Saw	1		
	<b>17</b>	Welding Transformer	1		
	<b>18</b>	MIG/MAG Welding outfit	1		

<b>DEPARTMENT OF MECHANICAL ENGINEERING, GHITM PURI</b>					
<b>LABORATORY</b>	<b>SL. NO.</b>	<b>MAJOR EQUIPMENTS/SETUP DETAILS</b>	<b>NOS.</b>		
<b>Machine</b>	<b>1</b>	Additional Flywheel Arrangement	1		

<b>Dynamics Lab</b>	<b>2</b>	Screw Jack (Model)	1		
	<b>3</b>	Whirling of Shaft	1		
	<b>4</b>	Static & Dynamic Balancing	1		
	<b>5</b>	Motorised Gyroscope	1		
	<b>6</b>	Universal Governor	1		
	<b>7</b>	Verification of Laws of Parallelogram of Forces	1		
	<b>8</b>	Moment of Inertia of Flywheel	1		
	<b>9</b>	Stop Watch Recer Mechanical	1		

<b>DEPARTMENT OF MECHANICAL ENGINEERING, GHITM PURI</b>					
<b>LABORATORY</b>	<b>SL. NO.</b>	<b>MAJOR EQUIPMENTS/SETUP DETAILS</b>	<b>NOS.</b>		
<b>Hydraulic Machine Lab</b>	1	Hydraulic Test Bench	1		
	2	Multispeed Centrifugal Pump	1		
	3	Reciprocating Pump Test Rig	1		
	4	Pelton Wheel Turbine Test Rig	1		
	5	Francis Turbine Test Rig	1		
	6	Constant Speed Centrifugal Pump Test Rig	1		
	7	Gear Oil Pump Test Rig	1		
	8	Jet Pump Test Rig	1		
	9	Deep Well Turbine Pump Test Rig	1		
	10	Metacentric Height Apparatus	1		
	11	Hydraulic Ram	1		
	12	Kaplan Turbine	1		
	13	Reynolds Apparatus	1		

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<b>DEPARTMENT OF MECHANICAL ENGINEERING, GHITM PURI</b>					
<b>LABORATORY</b>	<b>SL. NO.</b>	<b>MAJOR EQUIPMENTS/SETUP DETAILS</b>	<b>NOS.</b>		
<b>IC ENGINE AND AUTOMOBILE LAB</b>	<b>1</b>	4 cylinder 4 stroke petrol engine	1		
	<b>2</b>	Exhaust gas calorimeter	1		
	<b>3</b>	Twin cylinder 4 stroke diesel engine	1		
	<b>4</b>	Two stage Twin cylinder air compressor	1		
	<b>5</b>	Single cylinder two stroke petrol engine(Model)	1		
	<b>6</b>	Single Cylinder 4 stroke petrol engine (Model)	1		
	<b>7</b>	Single cylinder 4 stroke diesel engine (Model)	1		
	<b>8</b>	Single cylinder 4 stroke diesel engine	1		
	<b>9</b>	Single cylinder 2 stroke petrol engine	1		
	<b>10</b>	4 cylinder 4 stroke diesel engine	1		

<b>WORK SHOP LAB</b>		
<b>NAME OF ITEM</b>	<b>QUANTITY</b>	
VERNIER CALLIPER	3 NOS	
SAFETY GOGGLES	12 NOS	
HAND GLOVES	12 NOS	
BRUSH	6 NOS	

DRILL	8 NOS	
MILLING CUTTER	1 NO	
GEAR CUTTER	1 NO	
RING SPANNER	1NO (12X13MM)	
RING SPANNER	1(18X19MM)	
DE SPANNER	1 NO (12X13 MM)	
SLY WRENCH	1 NO	
BLACK GLASS FOR SCREEN	2 NOS	
WHITE GLASS	10 NOS	
TRANGULAR FILE	2 NOS	
COMBINATION PLIER(SLIP JOINT)	2 NOS(7 INCH)	
MICROMETER (OUTSIDE)	1 NO (0-100MM)	
SINE BAR	1 SET	
BOARING BAR	5 NOS	
BOARING TOOLS	4 NOS	
SLY WRENCH	1 NO	
GRINDING WHEEL DRESSER	2 NOS	
Foundry Lab (INSTALATION)	1	

### PHYSICS LABORATORY

#### MAJOR EQUIPMENTS DETAILS:

S.N.	NAME OF APPARATUS	QUANTITY
1	BAR PENDULUM	2
2	BARTON'S APPARATUS	2



3	SEARL'S APPARATUS	2
4	CAPPILLARY RISE METHOD	2
5	P-N JUNCTION DIODE	2
6	TRANSISTOR	2
7	LEE'S DISC	2
8	NEWTON'S RING	1
9	DIFFRACTION GRATING	2
10	R-C CIRCUIT	1

**MINOR EQUIPMENTS DETAILS:**

SL. NO	NAME OF THE INSTRUMENTS	QUANTITY
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SL. NO	NAME OF THE APPARATUS	SPECIFICATION	QUANTITY
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1	SLIDE CALLIPERS	5PCS
2	SREW GAUGE	5PCS
3	SPHEROMETER	4PCS
4	THERMOMETER-(0-110°C)	5PCS
5	PHYSICAL BALANCE	2PCS
6	WEIGHT BOX	2PCS
7	500g, 250g WEIGHTS	30PCS
8	SPIRIT LEVEL	2PCS
9	GRATING ELEMENT	2PCS
10	WIRES	50PCS
11	MULTIMETER	1PC
12	AMETER	5PCS
13	VOLTMETER	5PCS
14	CONVEX LENS	5PCS
15	CONCAVE LENS	5PCS
16	PLANOCONVEX LENS	5PCS
17	PLANE GLASS	5PCS
18	STOP WATCH	2PCS
19	1M. SCALE	2PCS
20	TRAVELLING MICROSCOPE	2PCS
21	TELESCOPE	2PCS
22	ELECTRIC HEATER	1PC
23	SODIUM LAMP	2PCS

**HEMISTRY LABORATORY**

1	BURETTE	50 ML	20
2	PIPETTE	10 ML	20
3	CONICAL FLASK	500ML	40
		250 ML	40
		150 ML	10
4	BEAKER	1LT	2
		400 ML	20
		250 ML	35
5	BOTTLE(NM)		40
6	OVEN		3
7	MEASURING CYLINDER	500 ML	8
8	STANDARD FLASK	250 ML	30
		150 ML	15
9	FUNNEL		50
10	CRUCIBLE		8
11	WATER BATH		5
12	WATER BOTTLE		30
13	BURNER		20
14	GAS JAR		30
15	SPIRT LAMP		5
16	DIGITAL WEIGHT BALANCE	PGB-300	1
17	CALORIE METER	MODE-EL-1313	1

**COMPUTING FACILITIES:**

- Number and Configuration of Systems:
- Total number of systems connected by LAN
- Total number of systems connected to WAN
- Internet bandwidth
- Major software packages available

P4 : -316  
285

3Mbps  
(Visual Studio dot NET 2003 Professional, Oracle 10G,Mc Café anti-Virus 7.0, MS-Visual Studio 5.0,MS office 97, ORACLE (personal) version 8.0, ORCAD, ETAP, WINPROXY, BORLAND TURBO C++), Mcafee-Enterprise edition 8.0 (WIN-2003 Enterprise Server, WIN-XP professional, MS WIN-NT server version 4.0, SCO-UNIX version 5.0.5,NOVELL NetWare version 4.2,IBM NT server version 2.2,MS –DOS

version 6.22,) MATLAB 7.0  
with all necessary tools.

- Special purpose facilities available  
OHP,

LCD projector, Scanner,

Printers, Recorder

#### **WORKSHOP:**

- List of facilities available.

<b>Sl.No.</b>	<b>Name of the Workshop</b>	<b>Area in Sqm.</b>	<b>Capacity/Seats</b>
1	Carpentry Shop	56	10
2	Fitting shop	56	10
3	Smithy shop	41	10
4	Welding shop	56	10
5	Sheet Metal Shop	41	10
6	Machine Shop	223	10

### **ACADEMIC CALENDAR FOR B.TECH PROGRAMMES FOR THE SESSION 2011-12**

**First year classes are scheduled to start from 1<sup>ST</sup> AUG. Timetable for the same is being prepared.**

- Teaching Load of each Faculty

8 hours for Professors

12 hours for Asst. Professors

16 hours for Lecturers

- Internal Continuous Evaluation System and place

Through Class Tests conducted by the concerned faculty members

- Students' assessment of Faculty, System in place.

Through feedback form

For each Post Graduate programme give the following:

**NOT APPLICABLE**

- i. Title of the programme

- ii. Curricula and Syllabi
- iii. Faculty Profile

➤ Brief profile of each faculty.

- Laboratory facilities exclusive to the PG programme

Special Purpose

- Software, all design tools in case
- Academic Calendar and frame work
- Research focus

List of typical research projects.

- Industry Linkage
- Publications (if any) out of research in last three years out of masters projects
- Placement status
- Admission procedure
- Fee Structure
- Hostel Facilities
- Contact address of coordinator of the PG programme

Name:

Address:

Telephone:

E-mail:

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

## Time Table

### 1<sup>st</sup> Sem.

GHANASHYAM HEMALATA INSTITUTE OF TECHNOLOGY & MANAGEMENT, PURI									
1ST SEM TIME TABLE 2011									
DAYS	HALL	9.00-9.50	9.50-10.40	10.40-11.30	11.30-12.20	LUNCH BREAK	1.30-2.20	2.20-3.10	3.10-4.00
MONDAY	221	MATH-I	TD	BE	CHEM-I		'C' PROG LAB GR-I		
TUESDAY	221	'C' PROG	CHEM-I	CE	TD		CE LAB GR-I/BE LAB GR-II		
WEDNESDAY	221	MATH-I	BE	CE	'C' PROG		CHEM LAB GR-I/ WORKSHOP GR-II		
THURSDAY	221	TD	CE	CHEM-I	MATH-I		'C' PROG LAB GR-II		
FRIDAY	221	CHEM-I	'C' PROG	TD	BE		CHEM LAB GR-II/ WORKSHOP GR-I		
SATURDAY	221	BE	MATH-I	'C' PROG	LIB		CE LAB GR-II/BE LAB GR-I		
I/C TIME TABLE									

### 2nd Sem.

GHANASHYAM HEMALATA INSTITUTE OF TECHNOLOGY & MANAGEMENT, PURI									
2ND SEM TIME TABLE 2012									
DAYS	HALL	9.00-9.50	9.50-10.40	10.40-11.30	11.30-12.20	LUNCH BREAK	1.30-2.20	2.20-3.10	3.10-4.00
MONDAY	221	MECH	BEE	DSUC	PHY-I		BCE LAB GR-I		
TUESDAY	221	BEE	MATH-II	PHY-I	MECH		PHY LAB GR-I/BEE LAB GR-II		
WEDNESDAY	221	BCE	PHY-I	MECH	BEE		ED GR-I/DSUC LAB GR-II		
THURSDAY	221	DSUC	MECH	BCE	MATH-II		PHY LAB GR-II/BEE LAB GR-I		
FRIDAY	221	PHY-I	BCE	MATH-II	DSUC		ED GR-II/DSUC LAB GR-I		
SATURDAY	221	MATH-II	DSUC	BEE	LIB		BCE LAB GR-II		
I/C TIME TABLE									

### 3rd Sem.

GHANASHYAM HEMALATA INSTITUTE OF TECHNOLOGY & MANAGEMENT, PURI									
3RD SEM TIME TABLE 2011									
DAYS	BRANCH	HALL	9.00-9.50	9.50-10.40	10.40-11.30	11.30-12.20	LUNCH BREAK		
							1.30-2.20	2.20-3.10	3.10-4.00
MONDAY	CSE	301	MATH-III	NT	EE&C	AEC	CISCR LAB		
	EE	301	MATH-III	NT	EE&C	AEC			
	ETC	220	EEM	OB	AEC	NT	EEM LAB GR-I		
	ME	302	DBMS	MOS	MATH-III	OB	DBMS LAB GR-I/MD LAB GR-II		
TUESDAY	CSE	301	OOP	MATH-III	AEC	PSCD	OOP LAB		
	EE	301	OOP	MATH-III	AEC	PSCD	ND LAB GR-II/OOP LAB GR-I		
	ETC	220	MSE-PH	NT	MATH-III	EEM			
	ME	302	OB	DBMS	MOS	FMHM	MECHANICAL ENGG. LAB GR-II		
WED. DAY	CSE	401	EE&C	PSCD	OOP	NT			
	EE	401	EE&C	PSCD	OOP	NT	LIB		
	ETC	301	AEC	MATH-III	EEM	OB	ND LAB GR-I/AEC LAB GR-II		
	ME	302	MATH-III	IPM	FMHM	DBMS	MECHANICAL ENGG. LAB GR-I		
THURSDAY	CSE	301	PSCD	AEC	MATH-III	OOP	LIB		
	EE	301	PSCD	AEC	MATH-III	OOP	OOP LAB GR-II		
	ETC	220	OB	MSE-ME	MATH-III	AEC	EEM LAB GR-II/AEC LAB GR-I		
	ME	302	FMHM	IPM	OB	MOS	DBMS LAB GR-II		
FRIDAY	CSE	301	NT	OOP	PSCD	EE&C			
	EE	301	NT	OOP	PSCD	EE&C	AEC LAB GR-I		
	ETC	302	MATH-III	MSE-PHY	NT	OB	ND LAB GR-II		
	ME	418	IPM	OB	FMHM	MATH-III	LIB		
SATURDAY	CSE	431	AEC	EE&C	NT	MATH-III	AEC LAB GR		
	EE	431	AEC	EE&C	NT	MATH-III	ND LAB GR-I/AEC LAB GR-II		
	ETC	301	NT	EEM	MSE-ME	AEC	LIB		
	ME	424	MOS	MATH-III	DBMS	IPM	MD LAB GR-I		

I/C TIME TABLE

4th Sem.

GHANASHYAM HEMALATA INSTITUTE OF TECHNOLOGY & MANAGEMENT, PURI										
4TH SEMESTER TIME TABLE 2012										
DAYS	BRANCH	HALL	09.00-9.50	09.50-10.40	10.40-11.30	11.30-12.20		01.30-2.20	02.20-3.10	03.10-4.00
MONDAY	CSE	220	SP	DM	OB	DAA	L	LIB		
	EE	301	EM-I	MS&E-ME	EEM	DEC				
	ETC	302	CISCR LAB GR-I				U	EF&W	ECD	LIB
	ME	414	KDM	BMP	MATH-IV	EE&C				
TUESDAY	CSE	220	DEC	DAA	SP	DM	N	DAA LAB		
	EE	301	MS&E-ME	OB	DEC	FM&M		EM LAB-I GR-VEEM LAB GR-II		
	ETC	302	C++OOP	ECD	DEC	PSCD	C	CISCR LAB GR-IVC++OOP LAB GR-I		
	ME	414	EE&C	MATH-IV	C++OOP	ETD		MT&HM LAB GR-IVMS&FP LAB GR-I		
WED. DAY	CSE	220	DE	DEC	DAA	SP	H	DEC LAB		
	EE	301	OB	FM&M	EM-I	MS&E-PH		CISCR LAB GR-IIDEC LAB GR-I		
	ETC	302	ECD	C++OOP	PSCD	DEC	EF&W	EE&C		
	ME	414	C++OOP	ETD	EE&C	KDM	MT&HM LAB GR-IVMS&FP LAB GR-I			
THURSDAY	CSE	220	DAA	DM	DE	OB	B	DE LAB		
	EE	301	EEM	MS&E-PH	FM&M	EM-I		DEC	OB	
	ETC	302	DEC	PSCD	EF&W	EE&C	ECD LAB GR-IVDEC LAB GR-II			
	ME	414	MATH-IV	C++OOP	ETD	BMP	CISCR LAB GR-I			
FRIDAY	CSE	220	DM	OB	DEC	DE	E	EM LAB-I GR-IVEEM LAB GR-I		
	EE	301	FM&M	EEM	DEC	OB		ECD LAB GR-IVDEC LAB GR-I		
	ETC	302	PSCD	EE&C	C++OOP	EF&W	CISCR LAB GR-II			
	ME	414	ETD	KDM	BMP	EE&C				
SATURDAY	CSE	220	OB	SP	DE	DEC	K	EEM	EM-I	LIB
	EE	301	CISCR LAB GR-IVDEC LAB GR-II					C++OOP LAB GR-II		
	ETC	302	EE&C	DEC	C++OOP	ECD				
	ME	414	BMP	MATH-IV	KDM	C++OOP	LIB			
/C TIME TABLE										

## 5th Sem.

GHANASHYAM HEMALATA INSTITUTE OF TECHNOLOGY & MANAGEMENT, PURI									
5TH SEM TIME TABLE 2011									
DAYS	BRANCH	HALL	9.00-9.50	9.50-10.40	10.40-11.30	11.30-12.20	1.30-2.20	2.20-3.10	3.10-4.00
MONDAY	CSE	415	TOC	ACT	JP	DCCN	COMPUTER ORGANIZATION LAB		
	EE SEC-A	401	CSE	PE	DBMS	OE			
	EE SEC-B	402	CSE	PE	OE	DBMS			
	ETC SEC-A	419	DBMS	ACT	AEC	MP	C&I LAB GR-I/AC LAB GR-II		
	ETC SEC-B	418	MP	AEC	CSE	ACT	MICROPROCESSOR LAB GR-I		
ME	414	DME	ANM	MD	MST		LIB		
TUESDAY	CSE	415	OE	CO	ACT	TOC			LIB
	EE SEC-A	401	S&T	EM-II	DBMS	CSE	POWER ELECTRONICS LAB GR-I		
	EE SEC-B	402	DBMS	EM-II	OE	CSE	LIB		
	ETC SEC-A	419	EES	CSE	DBMS	AEC	C&I LAB GR-II/AC LAB GR-I		
	ETC SEC-B	418	DBMS	ACT	EES	MP	MICROPROCESSOR LAB GR-II		
ME	414	ANM	ICGT	DME	AE	P & ICE LAB GR-I/MD & HP LAB GR-II			
WED. DAY	CSE	415	CO	DCCN	OE	JP	COMPUTER NETWORK LAB		
	EE SEC-A	401	C&I LAB GR-II/EM LAB-II GR-I				DBMS	S&T	
	EE SEC-B	402	PE	S&T	EM-II	CSE	C&I LAB GR-II/EM LAB-II GR-II		
	ETC SEC-A	419	EES	DBMS	ACT	CSE	LIB		
	ETC SEC-B	418	AEC	CSE	MP	EES	DBMS	ACT	
ME	414	ICGT	MD	AE	ANM	MACHINE DESIGN PROJECT-I GR-I			
THURSDAY	CSE	415	ACT	OE	DCCN	CO			
	EE SEC-A	401	OE	CSE	PE	EM-II	C&I LAB GR-II/EM LAB-II GR-I		
	EE SEC-B	402	PE	DBMS	EM-II	S&T	POWER ELECTRONICS LAB GR-II		
	ETC SEC-A	419	AEC	MP	DBMS	EES	MICROPROCESSOR LAB GR-II		
	ETC SEC-B	418	EES	CSE	AEC	DBMS			
ME	414	AE	DME	MST	ICGT	P & ICE LAB GR-II/MD & HP LAB GR-I			
FRIDAY	CSE	415	DCCN	JP	TOC	OE	JAVA PROG. LAB		
	EE SEC-A	401	PE	S&T	EM-II	OE	POWER ELECTRONICS LAB GR-II		
	EE SEC-B	402	OE	CSE	S&T	DBMS	C&I LAB GR-II/EM LAB-II GR-I		
	ETC SEC-A	419	ACT	EES	CSE	MP	MICROPROCESSOR LAB GR-I		
	ETC SEC-B	418	C&I LAB GR-I/AC LAB GR-II				EES	CSE	LIB
ME	414	MST	AE	ICGT	MD	MACHINE DESIGN PROJECT-I GR-II			
SATURDAY	CSE	415	JP	TOC	CO	ACT			
	EE SEC-A	401	EM-II	DBMS	CSE	S&T	OE	PE	LIB
	EE SEC-B	402	S&T	PE	EM-II	OE	POWER ELECTRONICS LAB GR-I		
	ETC SEC-A	419	CSE	AEC	MP	ACT			
	ETC SEC-B	418	ACT	MP	DBMS	AEC	C&I LAB GR-I/AC LAB GR-I		
ME	415	MD	MST	ANM	DME				

LUNCH BREAK



6th Sem.

GHANASHYAM HEMALATA INSTITUTE OF TECHNOLOGY & MANAGEMENT, PURI											
6TH SEMESTER TIME TABLE 2012(REVISED)											
DAYS	BRANCH	HALL	9.00-9.50	9.50-10.40	10.40-11.30	11.30-12.20		1.20-2.20	2.20-3.10	3.10-4.00	
MONDAY	CSE	415	PM	MPMC	IvT	DCT	L				
	EE-A	418	T&D	DSP	CN&DC	EMT			OSP LAB GR-II/MPMCLAB GR-I		
	EE-B	419		DSP LAB GR-I					T&D	EE&S	
	ETC-A	401	OS	DSP	MC	A/WP			DC LAB GR-I		
	ETC-B	402	A/WP	OS	DCT	MC					
ME	419	AMS	OE	HT	MMP		IvT	MSD			
TUESDAY	CSE	415	MPMC	IvT	DCT	CD	U				
	EE-A	418	EMT	EE&S	MPMC	DSP			OS LAB		
	EE-B	419	CN&DC	EE&S	EMT	DSP			MD&S LAB GR-II/MPMC LAB GR-II		
	ETC-A	401	MC	PM	DCT	DSP		N	DSP LAB GR-II/ICE LAB GR-I		
	ETC-B	402	MC	OS	A/WP	PM				DSP	DCT
ME	419		NC & SM LAB GR-I				MMP		HT	LIB	
WEDNESDAY	CSE	415	OS	CD	PM	IvT	C				SEMINAR
	EE-A	418	CN&DC	EMT	EE&S	MPMC				LIB	
	EE-B	419	EE&S	MPMC	CN&DC	T&D			MD&S LAB GR-II/MPMC LAB GR-I		
	ETC-A	401		DSP LAB GR-II/ICE LAB GR-II					DCT	A/WP	LIB
	ETC-B	402	PM	DCT	OS	DSP			DC LAB GR-I		
ME	401	IvT	MSD	AMS	OE		HT&HP LAB GR-II/MD PROJ-II GR-I				
THURSDAY	CSE	415	CD	OS	MPMC	PM	B			LIB	
	EE-A	418	DSP	CN&DC	T&D	EE&S			MD&S LAB GR-II		
	EE-B	419	T&D	DSP	MPMC	EMT			DSP LAB GR-II		
	ETC-A	401	MC	PM	A/WP	OS			DC LAB GR-II		
	ETC-B	402		DSP LAB GR-II/ICE LAB GR-II					MC	PM	LIB
ME	402	OE	MMP	IvT	HT	R	NC & SM LAB GR-II				
FRIDAY	CSE	415	IvT	DCT	OS		MPMC		MPMC LAB		
	EE-A	425	MPMC	T&D	EMT		CN&DC		MD&S LAB GR-I		
	EE-B	431	EMT	CN&DC	T&D		EE&S	E	DSP	MPMC	LIB
	ETC-A	432	DCT	OS	DSP		A/WP			PM	MC
	ETC-B	418	DSP	A/WP	PM	DCT			DSP LAB GR-II/ICE LAB GR-I		
ME	419	HT	AMS	OE	MSD	A	HT&HP LAB GR-II/MD PROJ-II GR-II				
SATURDAY	CSE	424	DCT	PM	CD		OS				
	EE-A	425	EE&S	MPMC	DSP		T&D	K	DSP LAB GR-II/MPMCLAB GR-II		
	EE-B	431	MPMC	DSP	EMT		CN&DC				
	ETC-A	432	DSP	OS	DCT		PM				
	ETC-B	418	OS	DSP	MC	A/WP			DC LAB GR-I		
ME	419	MSD	IvT	MMP	AMS						

## 7th Sem.

GHANASHYAM HEMALATA INSTITUTE OF TECHNOLOGY & MANAGEMENT, PURI 7TH SEM TIME TABLE 2011									
DAYS	BRANCH	HALL	9.00-9.50	9.50-10.40	10.40-11.30	11.30-12.20	LUNCH BREAK		
							1.30-2.20	2.20-3.10	3.10-4.00
MONDAY	CSE	425	IDSP	ACA	CG	ED	LIB		
	EE	424	HVDT	ED	ACS	HVE	SEMINAR GR-I/MINOR PROJ. GR-II		
	ETC	431	BMI	VLSI	PMC	MC&A	VLSI DESIGN LAB GR-I		
	ME	432	ED	RAC	MQC	MV			
TUESDAY	CSE	425	ED	IDSP	RTS	PPSE	SOFTWARE ENGG LAB GR-I		
	EE	424	HVE	PSOC	ED	HVDT	POWER SYSTEM LAB GR-I		
	ETC	431	VLSI	MC&A	BMI	ED	SEMINAR GR-I/PROJECT GR-II		
	ME	432	PDPT	MQC	MMC	RAC	RAC & MM LAB GR-I		
WED.DAY	CSE	425	RTS	PPSE	ACA	CG	MINOR PROJECT GR-I		
	EE	424	HVDT	PSOC	ACS	ED	POWER SYSTEM LAB GR-II		
	ETC	431	ED	PMC	VLSI	BMI	VLSI DESIGN LAB GR-II		
	ME	432	MV	PDPT	ED	MMC	SEMINAR GR-I/PROJECT GR-II		
THURSDAY	CSE	425	PPSE	RTS	ED	IDSP	SOFTWARE ENGG LAB GR-II		
	EE	424	HVE	PSOC	HVDT	ACS	LIB		
	ETC	431	PMC	BMI	MC&A	ED	SEMINAR GR-II/PROJECT GR-I		
	ME	432	ED	MMC	RAC	MQC	RAC & MM LAB GR-II		
FRIDAY	CSE	425	ACA	CG	IDSP	RTS	MINOR PROJECT GR-II		
	EE	424	ACS	PSOC	HVE	ED			
	ETC	431	MC&A	VLSI	ED	PMC	LIB		
	ME	432	RAC	MQC	MV	PDPT	SEMINAR GR-II/PROJECT GR-I		
SATURDAY	CSE	425	CG	ED	PPSE	ACA			
	EE	424	SEMINAR GR-II/MINOR PROJ. GR-I						
	ETC	431							
	ME	432	MMC	MV	PDPT	ED	LIB		

I/C TIME TABLE

## 8th Sem.

GHANASHYAM HEMALATA INSTITUTE OF TECHNOLOGY & MANAGEMENT, PURI										
8TH SEMESTER TIME TABLE 2012										
DAYS	BRANCH	HALL	09.00-9.50	09.50-10.40	10.40-11.30	11.30-12.20		01.30-2.20	02.20-3.10	03.10-4.00
MONDAY	CSE	424	ESD	D&WM	MEMS	INDINT	L U N C H B R E A K		PROJECT	
	EE	425	PSE&E	PSP	EPQ	AC			PROJECT	
	ETC	431	DIP	MWE	MEMS				PROJECT	
	ME	432	MM	POM	PPE	LIB			SEMINAR-II	
TUESDAY	CSE	424	EE	MEMS	ESD	D&WM	N C H B R E A K		PROJECT	
	EE	425	EPQ	PSP	AC	PSE&E			PROJECT	
	ETC	431	LIB	MWE LAB GR-II						
	ME	432	PPE	POM	MM				ENT. PROJECT GR-I	
WED DAY	CSE	424	INDINT	ESD	EE	MEMS	H B R E A K		PROJECT	
	EE	425	AC	PSP	PSE&E	EPQ			PROJECT	
	ETC	431	MEMS	DIP	MWE				PROJECT	
	ME	432	EE	PPE	MM	POM			ENT. PROJECT GR-II	
THURSDAY	CSE	424	D&WM	EE	INDINT	ESD	B R E A K		PROJECT	
	EE	425	EPQ	PSP	PSE&E	AC			PROJECT	
	ETC	431	MWE	MEMS	DIP				PROJECT	
	ME	432	POM	MM	PPE	EE			SEMINAR-II	
FRIDAY	CSE	424	MEMS	INDINT	D&WM	LIB	E A K		PROJECT	
	EE	425	LIB	PROJECT					PROJECT	
	ETC	431	MWE LAB GR-I						PROJECT	
	ME	432	EE	PROJECT					PROJECT	
SATURDAY	CSE	424	PROJECT				K		PROJECT	
	EE	425	PROJECT						PROJECT	
	ETC	431	PROJECT						PROJECT	
	ME	432	PROJECT						PROJECT	
							I/C TIME TABLE			