

A MANDATORY DISCLOSURE BY INSTITUTIONS RUNNING AICTE APPROVED ENGINEERING/TECHNOLOGY/PHARMACY PROGRAMMES TO BE INCLUDED IN THEIR RESPECTIVE INFORMATION BROCHURE, DISPLAYED ON THEIR WEBSITE AND TO BE SUBMITTED TO AICTE EVERY YEAR LATEST BY 31ST AUGUST TOGETHER WITH ITS URL

The following information is to be given in the Information Brochure besides being hosted on the Institution's official Website.

"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

Name	SIR VISVESVARAYA MEMORIAL ENGINEERING COLLEGE	
Address	A/P Chincholi, Sinnar, Nasik, Maharashtra -422101	
STD Code	02551	Phone No.271278, 271179,289284
Fax no.	(02551) 271277	email :- svmec_nskch@rediffmail.com principal@pravara-svmengg.org
Website	www.pravara-svmengg.org	

II) NAME & ADDRESS OF THE PRINCIPAL

Name	Dr.Bhosle Santosh P.				
Designation	Principal	Qualification & Experience	Highest Degree	Specialization	Total Experience
			M.E. PhD	Production Mechanical	19 Yrs
STD Code	02551	Phone no. (O) 271277	Fax No.	271277	
STD Code	02551	-----			
E-mail	svmec_nskch@rediffmail.com principal@pravara-svmengg.org		Mobile	9822768246 9423787452	

III. NAME OF THE AFFILIATING UNIVERSITY

Name: University of Pune.

Address: University of Pune, Ganeshkhind, Pune – 411 007.

IV. GOVERNANCE

➤ Members of the board and their brief background

The Institute is run by Pravara Rural Education Society. The list of members of its governing board is given below.

Sr. No.	Name & Address	Brief Background	Designation
1	Shri. Eknathrao Vitthalrao Vikhe Patil, MP A/P Loni Tal: Rahata Dist: Ahmednagar	Ex. Union Cabinet Minister, Chairman, Defense Committee, G.o.I., Educationalist .	Chairman
2	Shri. Punjaji Bapuji Kadu, Satral, P songaon Tal: Rahuri Dist: Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
3	Shri. Radhakrishna E. Vikhe Patil , MLA A/P Loni Tal: Rahata Dist: Ahmednagar	School education ,Law & Judiciary Minister Govt. of .Maharashtra , Social Worker & Educationalist	Member
4	Shri. Annasaheb Sarangdhar Mhaske A/P Loni Tal: Rahata Dist: Ahmednagar	Ex. Minister Govt. of .Maharashtra , Social Worker & Educationalist	Member
5	Capt. Vijayrao Wamanrao Gune, Ashwi Kd. Tal: Sangamner Dist: Ahmednagar	Social Worker & Educationalist	Member
6	Shri. M.M. Pulate, Durgapur Tal: Rahata Dist: Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
7	Shri. Bhagwantrao Ganpatrao Kharde, Kolhar Tal: Rahata Dist: Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
8	Shri. Annasaheb Gabaji Bhosale, Ashwi Kd. Tal: Sangamner Dist: Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
9	Dr. Bhaskarrao Nivrutti Kharde A/P Kolhar Tal: Rahata Dist: Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
10	Shri Balu banshi Tambe A/P Chandrapur tal. Rahata Dist Ahmednagar	Agriculturalist, Social Worker & Educationalist	
11	Dr. G.R. Mhaisekar 1.8.97, Kailas Nagar, Nanded - 431 602	Ex. Vice Chancellor, Marathwada University. Educationalist.	Member
12	Dr. Y.K. Alagh 45, Surdhara, Thal Page, Ahmedabad	Ex. Minister to State Science & Technology Govt. of India	Member
13	Dr. S. N. Pathan V.C. Rashtrasant Tukadoji Maharaj University Nagpur	V.C. Rashtrasant Tukadoji Maharaj University Nagpur	Member
14	Shri. M.V. Prasad Principal, Daily College, Indoor (M.P.)	Principal, Daily College, Indoor	Member
15	Shri. Rajendra Eknathrao Vikhe Patil A/P Loni Tal: Rahata Dist: Ahmednagar	Senate & Member M.C. Member of University of Pune, Trustee, P.M.T., Agriculturalist, & Educationalist	Member
16	Dr. Raosaheb R.Kasbe, Nalanda Samata Co-op Hsg. Soc., Sangamner	Agriculturalist, Social Worker & Educationalist	Member
17	Shri. Bhagwatrao B. Gholap, Hanmantgaon Tal: Rahata Dist : Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
18	Shri. Sopanrao P. Dighe, Dhanore Tal: Rahuri Dist: Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
19	Shri. Bharat L. Tambe , A/P Dadh bd. Tal: Rahata Dist: Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member

20	Adv. Appasaheb K. Dighe, Dhanore Tal: Rahuri Dist: Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
21	Shri Dyandeo Laxmanrao Mhaske A/P Babhaleshwar tal. Rahata Dist Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
22	Shri. Baburao Dada Kadu, A/P Pathare Tal: Rahata Dist: Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
23	Shri. Raosaheb K. Kharde, A/P Kolhar Bd. Tal: Rahata Dist: Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
24	Shri. Kacharu Patilba Aher, A/P Loni Tal: Rahata Dist: Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
25	Shri. Krishna Rambhau Gadekar, A/P Dadh Tal: Rahata Dist: Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
26	Shri. Subhashrao D. Patil, A/P Wambori Tal: Rahuri Dist: Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
27	Shri. Tukaram N. Bendre, Bhabhaleshwar Tal: Rahata Dist : Ahmednagar	Agriculturalist, Social Worker & Educationalist	Member
28	Lt.Gen.(Retd)Samsher Mehata P.R.E.S., Loni Tal: Rahata Dist: Ahmednagar	Social Worker & Educationalist	Consultant
29	Major .Gen.(Retd) U.m. Maidarkar P.R.E.S., Loni Tal: Rahata Dist: Ahmednagar	Social Worker & Educationalist	Director General
30	Dr. S.R.Walunj, Secretary, P.R.E.S., Loni Tal: Rahata Dist: Ahmednagar	Member academic Council , University, Pune Educationalist	Secretary
31	Smt. V.P. Waje, Addl. Secretary, P.R.E.S. Pravaranagar Tal: Rahata Dist: Ahmednagar	Professor (Education College)	Joint Secretary
32	Dr. Dhirendra P.R.E.S., Loni Tal: Rahata Dist: Ahmednagar	Principal (Engineering College)	Additional Secretary
33	Prof S.T. Nikam P.R.E.S., Loni Tal: Rahata Dist: Ahmednagar	Professor (Academician & Social Activist)	Additional Secretary
34	Dr S.P.Bhosle Principal, S.V.E.M.C., Chincholi, Nasik	Principal, S.V.E.M.C., Chincholi, Nasik Academician & Social Activist	Principal

➤ Members of Academic Advisory Body

A) Local Managing Committee

Sr. No.	Name & Address	Designation
1)	Shri. Eknathrao Vitthalrao Vikhe Patil, MP A/P Loni Tal: Rahata Dist: Ahmednagar	Chairman
2)	Shri. Radhakrishna E. Vikhe Patil , MLA A/P Loni Tal: Rahata Dist: Ahmednagar	Member
3)	Hon'ble Shri. Visvasrao Laxmanrao Aher A/P Mukhed Tal: Yeola Dist: Nasik	Member
4)	Hon'ble Shri. Ashokrao Katariya,Nasik	Member
5)	Hon'ble Shri. Arun Shirode, Nasik	Member
6)	Prof.S.B. Parjane,SVMEC, Nasik	Three Faculty Members selected from SVMEC, Chincholi
7)	Prof. K.P. Tambe SVMEC, Nasik	
8)	Prof. U.V.Patil, SVMEC, Nasik	
9)	Hon'ble Shri. S.G. Chavanke 2, Abhinav Hsg. Soc, Canada Corner, Nasik	Registrar SVMEC, Nasik
10)	Prof. Dr.Bhosle Santosh P. Principal, SVMEC, Nasik	Principal

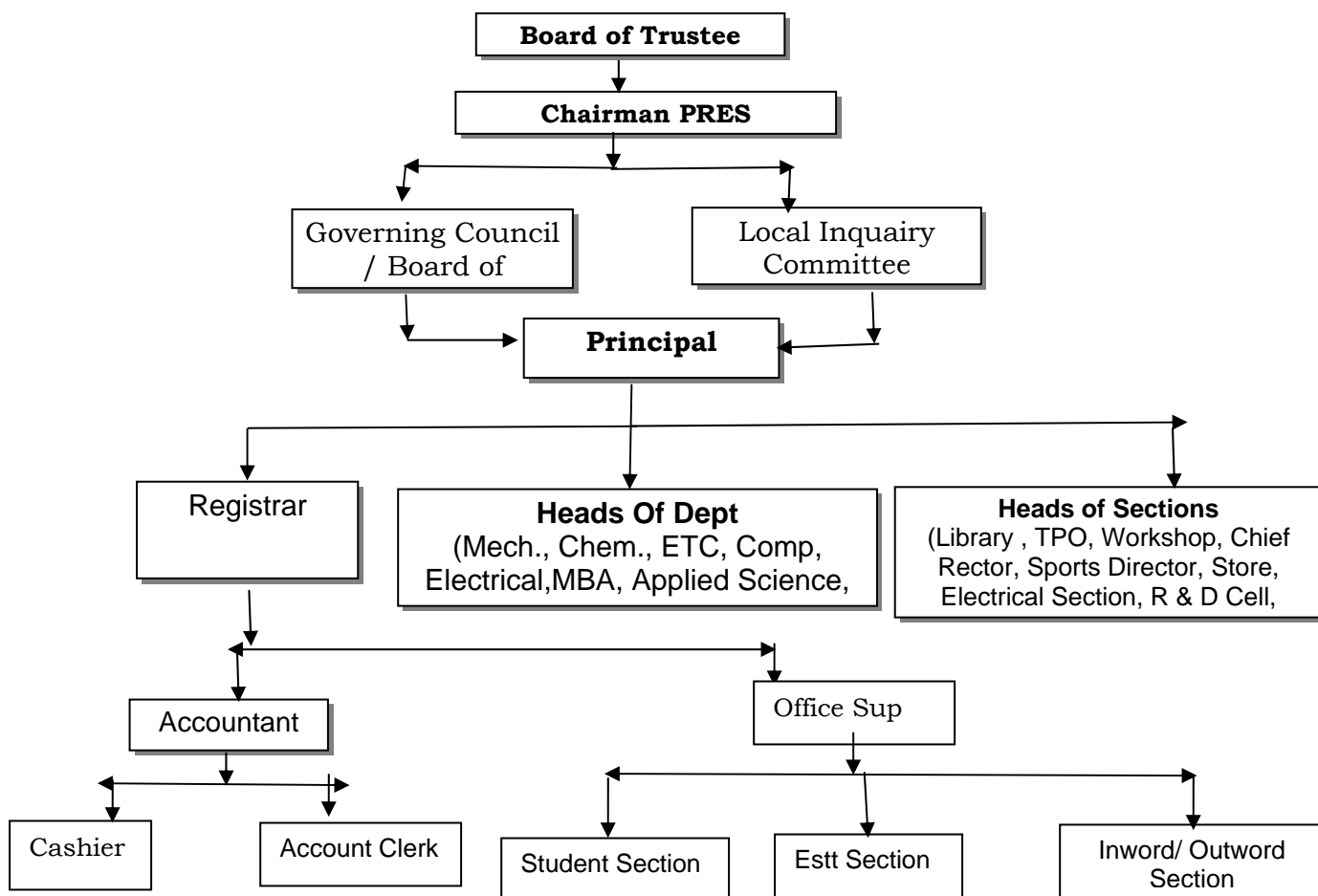
B) Governing Body

Sr. No.	Name	Designation	Remark
1)	Shri. Eknathrao Vitthalrao Vikhe Patil, MP A/P Loni Tal: Rahata Dist: Ahmednagar	Chairman	Chairman, Pravara Rural Education Society, Pravaranagar
2)	Shri. Radhakrishna E. Vikhe Patil , MLA A/P Loni Tal: Rahata Dist: Ahmednagar	Member	Member, Pravara Rural Education Society, Pravaranagar
3)	Hon 'ble Bharat Laxman Tambe Patil	Member	Member, Pravara Rural Education Society, Pravaranagar
4)	Hon ble Sopan Paraji Dighe patil	Member	Member, Pravara Rural Education Society, Pravaranagar

5)	Prof. Sanjay Sharma	Member	Member Secretary W.R.C., AICTE, Mumbai
6)	Hon'ble Shri. Sambhaji A. Pathare	Member	Appointed By University
7)	The Jt. Director of Technical Education, Regional Office, Nasik	Member	Ex. Officio
8)	Shri. Omprakash Kulkarni	Member	Member from Industry Appointed By DTE
9)	Prof. Dr.Bhosle Santosh P.	Member Secretary	Principal SVMEC, Nasik

➤ Frequency of the Board Meetings and Academic Advisory Body : - Twice in a year

➤ Organization Chart & Processes



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

Various Committees are formed at staff level as well as student level for development /
improvement in academic affairs.

The Committees formed at staff level are:-

Management Co-ordination Committee, Infrastructure Development Committee, Academic
Development Committee, Result Analysis & improvement Committee, General Activity
Committee, Staff Development & Welfare Cell, Student Development & Welfare cell, Co-
curricular Activity Cell, Extra Curricular Activity Cell, R & D Cell, Training & P{lacement
Committee, Library Committee, University & Internal Examination Co-ordination Unit,
Hostel Co-ordination Unit, Sports Committee, Cultural Activity Cell, Mess & Canteen
Committee, Disciplinary & Anti ragging Committee, Magazine Committee, Admission Cell,
House Keeping Committee, Utility Systems Committee, Transport Committee, Social Activity
Cell etc.

The committees formed at student level with the staff supervision are:-

Alumni Association, National Service Scheme, Mechanical Engg. Students Association
(MESA), Association of Computer Engineering Students (ACES) & similar for all departments,
College Council(with University Student Representative) chosen from class toppers. Etc.,
ISTE , IETE etc. student chapters, Student Social Activity Unit etc.

➤ Mechanism / Norms & Procedure for democratic /good Governance

Faculty advisors / Class Counselors are appointed to address the issues & grievances
related to students.

Rectors, Wardens and Supervisors are appointed tom deal with the problems of hostels
students.

Suggestion & Complaint Boxes are provided in each department

The Governing Structure of the college is as below:-

Parent Body(PRES) -> Governing Body of College -> Principal -> Head of Depts., ->
Professors/ Section Heads -> Assistant Professors / Lab In charges -> Lecturer -> Lab
Assistants

The office administration is below:-

Principal -> Register -> Office Supt./ Accountant -> Establishment Section ->
Section Clerks.

The Administrative Setup of the college is as given in Page 7

➤ Student Feedback on Institutional Governance/faculty performance

- Separate Feed back forms are given to the students, details are as below.
The students are asked to submit these forms to the respective HOD's at the end of every academic year.
- Complaint box & Suggestion box are provided in each department for the benefit of the students.
- Maintenance Complaint register is provided in each hostel & college for repair & maintainace problems of facilities.

➤ Grievance redressal mechanism for faculty, staff and students

The grievances of staff & students are addressed by following means:-

- Students are free to meet Principal & HOD's at any time of the day.
- Class counselors are appointed.
- Chief faculty advisor is appointed.
- Student Welfare officer appointed.
- Complaint Box provided.
- Staff grievance committee formed.
- Staff development & Welfare committee.
- Student development & Welfare committee.

Students & staff are also free to approach higher authorities of the society like President in exceptional cases/ major grievances.

V. PROGRAMMES

➤ Name of the programmes approved by the AICTE

Following UG Programmes are approved by AICTE:-

Mechanical Engineering, Chemical Engineering, Electrical Engineering, Electronics & Telecommunication Engineering, Computer Engineering

Following PG Programmes are approved by AICTE:- MBA

AICTE approved existing course(s) of study during academic year 2009-10

Name of Programme accredited by the AICTE :-
Propose to apply for accreditation shortly.

For each Programme the following details are to be given

Name of Programme(UG)	Mechanical	Computer	Electrical	Chemical	E & TC	Information Technology
Number of Seats	60	60	60	60	90	60
Duration	4 Years					
Cut off mark / rank for admission during the last three years:- Please refer table below ** for current details please refer www.dte.org.in site						
Fee	Rs.53,380(Letter No.(H&T)Final Fee/2008-09/3130 dt.08-10-2008					

Name of Programme(PG)	MBA
Number of Seats	60
Duration	2 Years
Cut off mark / rank for admission during the last three years:- Please refer table below ** for current details please refer www.dte.org.in site	
Fee	Rs.53,380/- (Letter No.(H&T)Final Fee/2008-09/3130 dt.08-10-2008

**Table for Cut off mark / rank for admission:-

Sr. No.	Branch	2006-07 (out of 200)	2007-08 (out of 200)	2008-09 (out of 200)
1)	Mechanical	74	47	80
2)	Computer	81	73	98
3)	E&TC	56	56	99
4)	Electrical	62	55	79
5)	Chemical	56	60	81
6)	MBA	NA	NA	78

Placement Facilities:-

A placement cell is headed by Training Placement Officer, along with clerical staff & co-ordinators from each dept. to assist the TPO regularly. The various duties carried by this cell are arranging campus interviews & off campus interviews, industrial visits, securing live projects sponsored from industries, holding seminars, expert lectures in co-ordination with depts., guiding the students for pursuing further studies, issuing transcripts, Industrial training during vacation for student & as well as for staff members, Industry - institute interaction etc.

- ❖ Campus placement in last three years with minimum salary, maximum salary and average salary :-

Sr. No.	Discipline	Total Number of student placed through the placement cell			Minimum salary	Maximum salary	Average salary
		2006-2007	2007-2008	2008-2009			
1)	Mechanical Engg.	21	25	20	12000	29166	20583
2)	Electrical Engg.	25	26	16	10000	29166	19583
3)	Chemical Engg.	7	33	13	8000	15000	11500
4)	Computer Engg.	7	02	16	13000	25000	19000
5)	E & TC Engg.	14	19	08	12000	18000	15000
6)	MBA	NA	NA	NA	NA	NA	NA

Name and duration of Programme 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

NOT APPLICABLE

- Whether the collaborative programme is approved by AICTE? If not whether the Domestic / Foreign Institution have applied to AICTE approval as required under notification no. 37-3/Legal / 2005 dated 16th May. 2005

NOT APPLICABLE

VI. FACULTY

➤ Branch wise list of faculty members :-

Sr. No.	Name of the Teaching Faculty	Designation	Qualification with field of Specialisation
1	Dr. S.P. Bhosle	Principal	M.E. Production PhD
	Mechanical Engg.		
1	Prof. V.A. Kolhe	Asst. Prof.	B.E. Mechanical M.E Design
2	Prof. S.N. Shelke	Asst. Prof.	B.E. Mechanical M.E Design
3	Prof. D.D. Palande	Asst. Prof.	B.E. Mech M.E. Thermal Power
4	Prof. N.Y. Patil	Asst. Prof.	B.E. Production M.E. Prod.
5	Prof. S.N. Palhe	Asst. Prof.	B.E. Mechanical M.E.
6	Prof. R.S. Shelke	Lect.	B.E. Mechanical M.E. Appear
7	Prof. R.L. Vikhe	Lect.	B.E. Mechanical MBA M.E. App
8	Prof D.S Chaudhari	Lect.	B.E. Mechanical M.Tech.
9	Prof. S.D.Ratnakar	Lect.	B.E. Mechanical M.E. Appear
10	Prof. A. R. Rasane	Lect.	B.E. Mechanical M.E. Appear
11	Prof. G.B. Jambukar	Lect.	B.E. Mechanical
12	Prof. Miss P.S. Talmale	Lect.	B.E. Mechanical
	Chemical Engg.		
1	Prof. R. M. Abhang	Asst. Prof.	B.E. Chemical M.Tech. Chemical
2	Prof. S.B. Parjane	Asst. Prof.	B.E. Chemical M.E. Chemical
3	Prof. B.L. Pangarkar	Asst. Prof.	B.E. Chemical M.E. Chemical
4	Prof. G.B. Shinde	Asst. Prof.	B.E. Chemical M.E. Chemical
5	Prof. D.K. Chandre	Asst. Prof.	B.E. Chemical M.Tech. Chemical
6	Prof.Mahendra Guddad	Asst. Prof.	B.E. Chemical M. E. Chemical
7	Prof.A. B.Pulate	Lect.	B.E. Chemical M.E. Appear
8	Prof A.M.Patare	Lect.	B.E. Chemical M.Tech. Appear
	Electrical Engg		
1	Prof. V. P. Dhote	Asst. Prof.	B.E. Electrical M.E. Electrical
2	Prof. S.S. Khule	Asst. Prof.	B.E. Electrical M.E. Electrical
3	Prof. Miss. S.K. Warungase/Thete	Lect.	B.E. Electrical M.E. Appear
4	Prof. Miss. A.P. Pawar	Lect.	B.E. Electrical M.E. Appear
5	Prof. L. P. Bhawsar	Lect.	B.E. Electrical M.E. Appear
6	Prof. R.N. Baji	Lect.	B.E. Electrical M.E. Appear
7	Prof.A.E.Bodke	Lect.	B.E. Electrical M.E. Appear
8	Prof. Atul Ingale	Lect.	B.E. Electrical M.E. Power Sys.
9	Prof. R.B. Avare	Lect.	B.E. Electrical P.G.D,B,M. Appe.
10	Prof. N.B. Shaikh	Lect.	B.E. Electrical
11	Prof. Mrs. V.P.Harak	Lect.	B.E. Electrical M.E. Appear
12	Prof. H.B. Wagh	Lect.	B.E. Elect.
	Computer Engg.		
1	Prof. S.M. Rokade	Asstt. Prof.	B.E. Comp M.E. Comp.
2	Prof. V. A. Lamture	Asstt. Prof.	B.E. Comp M. E. Comp.
3	Prof. G.P. Mohole	Lect.	B.E. Computer
4	Prof. S.V. Londhe	Sr.Lect.	B.E. Computer M.E.Appear
5	Prof. Miss. J.V. Hase	Lect.	B.E. Computer M.E.Appear
6	Prof. Miss. M.M. Navghare	Lect.	B.E. Computer M.E.Appear
7	Prof. Miss. A.S. Vaidya	Lect.	B.E. Computer M Tech. Appear
8	Prof S. N. Holambe	Lect.	B.E. I.T.
9	Prof A.R.Gaihhane	Lect.	M.E.Computer
10	Prof. S. R. Lahane	Lect.	B.E. Comp. ,M.E.Appear
11	Prof. S. N. Bhadane	Lect.	B.E. Comp. ,M.E.Appear
12	Prof Miss J. D. Naik	Lect.	B.E. Comp.

13	Prof.Y.R.Chikane	Lect.	B.E. Comp.
14	Prof. K.N. Shedge	Lect.	B.E. Comp.
Electronics & Telecommunication Engg.			
1	Dr. Shibu Subhash	Prof.	M. Tech. PhD
2	Prof. U. V. Patil	Asst. Prof.	B.E. Elect M. E. Electronics
3	Prof. S. J. Bagul	Asst. Prof.	B.E.Electronic M.E.Elect&Instru
4	Prof. B.G.Gawalwad	Asst. Prof.	B.E. Electronic M.E Electronics
5	Prof. M.V. Bhalerao	Asst. Prof.	B.E. Electronics M.E Electronics
6	Prof. Mrs. R.S. Khule	Asst. Prof.	B.E. Electronics M.E Electronics
7	Prof. Miss. M. A. Rahane	Lect.	B.E. Electronics ,M.E.Appear
8	Prof. S. B. Borase	Lect.	B.E. Electronics, M.E.Appear
9	Prof. Miss. U. D. Deshmukh	Lect.	B.E. Electronics
10	Prof. A. P. Hatkar	Lect.	B.E. Elect M. E. Electronics App
11	Prof. Miss. A. A. Hatkar	Lect.	B.E. Electronics ,M.E.Appear
12	Prof. A. S. Bhalerao	Lect.	B.E. Electronics & Tele M.E.Appear
13	Prof. Miss.P.S.Wani	Lect.	B.E. Electronics
14	Prof. M.D. Matsagar	Lect.	B.E. Electronics
Information Technology			
1	Prof. Miss. Roma Sherekar	Lect.	B.E. Computer
2	Prof. A. G. Lahane	Lect.	B.E. Computer
3	Prof. Miss. Nisha N. Aher	Lect.	B.E. Computer
4	Prof. V. M. Bhabad	Lect.	B.E. Information Technology
Basic Science & Humanities & General Engineering Subject			
1	Prof. K. P. Tambe	Sr.Lect(Sel.Grade)	B.Sc Chemistry, M.Sc Chemistry
2	Prof. D.O. Bhavar	Sr.Lect	BE Civil, ME App
3	Prof. A. P. Londhe	Sr.Lect(Sel.Grade)	B. Sc Physics, M. Sc Physics
4	Prof. S.R. Sakhare	Asst. Prof.	B.Sc Maths, M.Sc Maths
5	Prof. S. G. Wakchaure	Sr.Lect(Sel.Grade)	B.Sc Chemistry, M.Sc Chemistry
6	Prof. Miss J.L. Shinde	Lect	B.E. Mechanical M.E. Mech.
7	Prof. B.S. Vikhe	Lect	BE Mech
8	Prof. B.M. Kashid	Lect.	B.E.Comp
9	Prof. P.V. Waje	Lect.	B.E.Comp
10	Prof. S.B. Chavanke	Lect.	BE Civil
11	Prof. S.A. Dongare	Lect.	B.E. Electrical
12	Prof.Miss. D.G.Bhavsar	Lect	B.E. Electrical
13	Prof. S. R. Bhatjire	Lect.	B.E. Electrical
14	Prof. S.S. Hadape	Lect	B.E. Electrical
15	Prof. N. H. Tambe	Lect.	B.E. Mechanical
16	Prof. U. T. Murkute	Lect	BE Civil, ME App
17	Prof. P. S. Bibave	Lect.	B.E.Electronics
18	Prof. S.M. Dusane	Lect	B.E. Electronics
19	Prof.Mrs.S.S.Parjane(Miss.S.B.Maske)	Lect	B.Sc Chemistry, M.Sc Chemistry
20	Prof. Miss. S.B. Gaikwad	Lect	B.E. ETC
21	Prof. B.V. Varade	Lect	BE Mech
22	Prof. S.N. Ankaram	Lect	B.E. ETC
23	Prof. M.G. Kalhapure	Lect	BSc Physics MSc Physics M.Phil
24	Prof. S.T. Karle	Sr. Lect	B.Sc Maths, M.Sc Maths M.Phil
25	Prof. Miss V. D. Patil	Lect	B.Sc Maths, M.Sc Maths
26	Prof. S.N. Londhe	Physical Director	B.com, B.PEd, M.P.Ed
27	Mrs S.V. Walunj	Librarian	B.Sc B.Lib&Sc M.Lib Bio

- ◆ Visiting Faculty :- NIL Adjunct Faculty :- NIL
- ◆ Guest Faculty :- NIL Permanent Faculty: Student Ratio:- 1185/93=1: 12.74

MASTER OF BUSINESS ADMINISTRATION

Sr.No	Name Of The Staff	Designation	Qualification	Experience
1	Prof. N.C.Ghuge	Asst Prof.	MBA, BE Mech. ME	7.5 yrs Teach,1 yr Ind.
2	Prof. S.S.Gunjil	Lecturer	MBA B.Farm.	02 yrs Ind.
3	Prof. R.M.Bhandari	Lecturer	M.B.A(MRK) B.Com	03 years Ind.
4	Prof. T.A.Vyavhare	Lecturer	M.B.A(Fin) B.Com	4 years Ind.
5	Prof. Mrs.V.A.Gaidhani	Lecturer	B.Sc MCM	01 yr Teach.
6	Prof.Miss Sarabjit Kaur	Lecturer	B.Sc MBA	--
7	Prof. P.A.Patil	Lecturer	B.Sc MBA	--
8	Prof. V.V.Sabale	Lecturer	B.Com MBA	01 yr Teach.
9	Prof. Javeri Jayaraj	Visiting Lect	MLM	

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

Sr. No.	Discipline	Faculty employed (includes those who have been transferred to the institute) 2005-2006 to 2008-2009	Faculty left (includes those who have been transferred to the institute) 2005-2006 to 2008-2009
1)	Chemical Engg.	3	1
2)	Mechanical Engg.	10	2
3)	Electrical Engg.	15	4
4)	Computer Engg.	15	3
5)	E & TC Engg.	15	1
6)	Other - Applied Sciences, Civil	10	--
7)	MBA	5	--

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

CAREER PROFILE



1. Name : Dr. S. P. Bhosle
2. Date Of Birth : 05/08/1969
3. Educational Qualification: **M. Tech., Ph. D.**
4. Area of Specialization: Mechanical Engineering
5. Total Experience in Years: 18 Years
 - a) Teaching : 17 Years
 - B)Industry : 01 Year
 - c)Others : Nil
6. Subject Teaching At
 - A)UG Level: Engg. Graphics, Metrology, Quality Control
 - B)PG Level: Nil
7. Research Guidance
 - A)Master : Nil
 - B)PhD : Nil
8. No of Research Paper Published:
 - A)International Journal : Nil
 - B)National Journal: 02
 - c)International Conference: 02
 - D)National Conference: 04
9. R& D Project Undertaken/ Carried Out: Nil
10. Patents: Nil
11. No of Books/Holograms Published: Nil
12. Summer/Winter School/ QIP Attended: 04

One page Biodata of AII faculty (UG &PG): Pl. Ref. Annexure-2

VIII. FEE

- Details of fee, as approved by State fee Committee, for the Institution
- Fee applicable & fixed by Shikshan Shulka Samiti for Academic year 2008- 2009 as follows : for UG programmes-
 - 2008 – 2009 Tuition Fee:Rs49680 Development Fee:Rs3700

As per letter from Shikshan Shulka Samittee No.(H&T)Final Fee/2008-09/3130 dt.08-10-2008

FEE Details for MBA: Rs.53, 380(Letter No.(H&T)Final Fee/2008-09/3130 dt.08-10-2008

Time schedule for payment of fee for the entire programme.

- Normally at the time of admission for the each year. However in some cases 2-3 installments are permitted.

- No. of fee waivers granted with amount and name of students:-As per sanction from AICTE New-Delhi & subsequent admissions by DTE Mumbai. 10% of sanction intake i.e. 25 students are given tuition fee waiver scheme for UG Engineering students. Refer page no.2 Admission Brochure 2008 DTE Mumbai(AICTE Notification No. 37-03/Legal/2007 dt.9th April 2007)

- Number of scholarship offered by the institute, duration and amount:-As per samaj kalian vibhag Govt.of Maharashtra.

- Criteria for fee waivers/scholarship:-
- Academic cash prizes Rs. 1500 & Rs. 1000 are awarded to the class toppers (First & Second respectively) from each class in the annual examination.

- Estimated cost of Boarding and Lodging in Hostels:-
- Hostel Fee (per year) : Rs10,000
 - Mess Fee (for Break fast, Lunch & Dinner per Semester] : Rs10,000

Ix. ADMISSION Number of seats sanctioned with the year of approval :-

AICTE approved existing course(s) of study during academic year 2009-2010

			AICTE Approved Intake during last 4 years								Status of Accreditation (Validity period)
Courses	1 st Year of approval by AICTE (give approval ref. no. & date)	2009-10		2008-2009		2007-2008		2006-2007			
		Sanctioned intake	Actual admissions	Sanctioned intake	Actual admissions	Sanctioned intake	Actual admissions	Sanctioned intake	Actual admissions		
UG (FT)	Chemical Engg.	F-740-89-308 (E) /ET/96 Dt: 15/10/1996	60	66#	30	33#	30	30	30	29	Yet to be Accredited
	Electrical Engg.	----/----	60	66#	60	67#	45	45	45	44	
	Mechanical Engg.	----/----	60	66#	60	67#	60	60	60	61	
	Computer Engg.	F-740-89-329(E)/ET/99 dt: 28/06/1999	60	66#	45	49#	45	45	45	46	
	E & TC Engg.	F-740-89-329(E)/ET/99 dt: 14/06/2002	90	99#	60	67#	60	60	60	61	
	Information Technology	F-740-89-329(E)/ET/99 dt: 20/08/2009	60	13	-	-	-	-	-	-	Not Applicable
	Total		390	376#	255	283#	240	240	240	241	
UG (PT)		Not Applicable									
PG (FT)	MBA	F-740-89-329(E)/ET/99 dt: 30.06.2008	60	60*	60	59	-	-	-	-	
	G. Total		450	450*	315	342#	240	240	240	241	
PG (PT)		Not Applicable									

FT: Full Time, PT: Part Time

Includes admission under TFWS of AICTE, New Delhi

➤ Number of students admitted under various categories each year in the last three years.
:- PL See Appendix – A

- Number of applications received during last two years for admission under Management Quota and number admitted.

Year	Application Received	Admission
2006 – 2007	110	48
2007 – 2008	100	48
2008-2009	78	48

X. ADMISSION PROCEDURE

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

- Director Technical Education, Maharashtra state, Mumbai is the test agency for admission to Engineering / Technology.
- Address :- 3, Mahapalika Marg, Opp. Metro Cinema, Mumbai
- Website :- [http:// www.dte.org.in](http://www.dte.org.in)
- Email:- system@dte.org.in

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

Seats available with competent authority for CAP (no. of seats in % of sanction intake capacity of each course.		Seats available for management (no. of seats in % of sanction intake capacity of each course)
Maharashtra State	(AIEEE Quota)	Management Quota
65%	15%	20%

➤ Calendar for admission against management/vacant seats

- ◆ Last date for request for application :- 30/06/2009
- ◆ Last date for submission of application :- 07/07/2009
- ◆ Dates for announcing final results:- :- 14/07/2009
- ◆ Release of admission list (main list and waiting List should be announced on the same day) :- 31/07/2009
- ◆ Date for acceptance by the candidate (time Given should in no case be less than 15 days) :- 16/08/2009
- ◆ Last date for closing of admissions :- 30/08/2009
- ◆ Starting of the Academic session :- 31/08/2009
- ◆ The policy of refund of the fee, in case of withdrawal should be clearly notified as by competent authority, If the admission is cancelled

- Up to 10 days from the date of admission, 20% of the tuition, development & Other fees will be four fitted.
- During 10th to 20th day from the date of admission 50% of the tuition, Development & other fees will be four fitted.
- After 20 days from the date of admission 100% of the tuition, development & Other fees.

XI. CRITERIA AND WEIGHT AGES FOR ADMISSION Describe each criterion with its respective weight age i.e. Admission Test, marks in qualifying examination etc:-

- The admission criteria are as per the brochure published by Director of Technical Education Maharashtra. Refer DTE site www.dte.org.in
 - HSC Passed & ranking obtained in MHT-CET conducted by the DTE.
- Mention the minimum level of acceptance, if any
- 50% in PCM for Open & 45% for reserve category at HSC.
- Mention the cut-off levels of percentage & percentile scores of the candidates in the admission test for the last three years: -

Minimum cut off for open category is 50% & reserve category is 45%

Sr. No.	Branch	2006-07 (out of 200)	2007-08 (out of 200)	2008-09 (out of 200)
1)	Mechanical	74	47	80
2)	Computer	81	73	98
3)	E&TC	56	56	99
4)	Electrical	62	55	79
5)	Chemical	56	60	81
6)	MBA	NA	NA	78

- ◆ Display marks scored in Test etc. and in aggregate for all candidates who were admitted: - Refer DTE Maharashtra web site www.dte.org.in/fe2008
- 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

7) Details of Institution where you have studied and examination passed.

Sr. No.	Examination	Month & Year of Passing	Name and address of Institution	Max. Marks	Marks obtained
1)	S.S.C. or equivalent				
2)	S.S.C with Technical Subject (if applicable)				
3)	H.S.C. (Std.XII)				
4)	H.S.C. (Std. XII) with specified Technical / Vocational Subjects (give exam seat no. if appeared and result is awaited)				
5)	Engineering Diploma : I n case of admission to F.E./S.E.				

8) Marks:-

Marks	Marks obtained in Maths In SSC Exam	Marks obtained in Maths in HSC Exam	Marks obtained in subjects at H.S.C. or equivalent			Marks out of 300 (for official use only)
			Group -1	Group - II	Total	
			Physics	Math	Subject of max marks amongst the Chemistry / Biology/ Biotechnology / Comp. Science	
Max Marks						
Marks Obtained						

9) Choice of branch of Engineering in the order of preference

- I) _____ IV) _____
 II) _____ V) _____
 III) _____

10) Whether:-

- i) Passed S.S.C. Examination with specified Technical Subject ? Yes/No
 1) Passed H.S.C. Examination with specified Technical/Vocational Subject ? Yes/No
 iii) Persons affected by irrigation, power or Defence Projects ? Yes/No
 1) Have you attached the following attested true copies of certificate
 (The certificates are to be attached in the following order) a) For all the Candidates i) Medical Certificate ii) S.S.C. or equivalent statement of marks
 iii) Statements of marks (of qualifying examination)
 iv) School leaving certificate, migration certificate (if required) passing certificate (if required)

- b) For candidates belonging to backward classes
 - i) Caste certificate from an executive magistrate duly verified by the Directorate of Social Welfare, Maharashtra State, Pune ii) Validity Certificate
- c) By the candidates who have not passed either S.S.C. qualifying Examination or both from the Institution in Maharashtra :-
 - i) Domicile Certificate
 - ii) Transfer Order (In case of Central Government Servant)
- d) By Physically handicapped candidates :-
 - i) Domicile Certificate
 - ii) Certificate regarding the nature of handicap and ability to go through training in the Engineering College.
- e) To be produced wherever necessary :-
Certificate from the competent authority mentioning number of years of active defence service rendered and whether liable to army / Navy / Air Force Act.
- f) To be produced wherever necessary :-
 - i) Economically Backward Class Income Certificate

12) Whether admitted to any Engineering College in Maharashtra State earlier ? If so, give details / (i)

Name of the College _____

Name of the admission agency _____ Course _____

13) I hereby give the following undertaking

- i) I have read all the rules of admission for current year and after understanding these rules, I have filled in this form of application for admission for current year,
- ii) The information given by me in the application is true to the best of my knowledge and belief,
- iii) I have not been debarred from appearing if any examination held by any Government constituted or statutory examination authority in India,
- iv) I fully understand that the offer of a course or branch of Engineering will be made to me depending on my inter-se merit and availability of seat at the time of scrutiny of my application, when I will report to the admission authority according to the schedule of admission,
- v) I understand that no other document than those attached to the application form will be entertained for the purpose of claims / concessions / weight ages etc. in connection with my admission,
- vi) I hereby agree to confirm to any rules, acts and laws enforced by Government and I hereby undertake that so long as I am a student of the college, I will do nothing either inside or outside the college which may result in disciplinary action against me under the rules, acts and laws stipulated by the college time to time,
- vii) I fully understand that the Principal of the college where I would be admitted, will have liberty to expel / rusticate me from the college of any infringement of the rules of conduct and discipline prescribed by the college/ University & the undertaking given above.
- viii) On selection for admission to the Sir Visvesvaraya Memorial Engineering College, Nasik, I will sign the requisite agreement bond as prescribed by the Management.

Date:-

Place:-

[Name and Signature of Candidate]

14) Declaration to be signed candidate belonging to backward classes :-

I undersigned that admission given to me against the quota for reserved category is purely provisional and will be cancelled if my caste certificate is rejected by the Director of Social Welfare, Maharashtra Government or if I failed to submit the caste validity certificate within the stipulated time limit.

Date :-

[Name and Signature of Candidate]

Place

15) Declaration by the Parent I do hereby declare that :-

- i) The particulars furnished by my son / ward / daughter in this application form are correct to the best my knowledge and belief.
- ii) I undertake and bind myself to pay on behalf my son / ward / daughter fees, charges, etc. which the college my levy from time to time by the due date and in event of failure on my part and / or on the part of my son / ward/daughter to do so, the Principal of the College may take such and action against my son / ward / daughter as he my deem fit.
- iii) I will sign the requisite agreement bond as prescribed by the management.
- iv) I declare that the institute will not be responsible for any loss or damages arising out of accidents during laboratory work, workshop, practical training, short and long industrial visits and educational tours etc.

Date:-

(Name and Signature of candidate)

FOR OFFICE USE ONLY

PREPARATION, SCRUTINY AND CHEKING OF APPLICATION FORM AND MERIT FOR
ADMISSION

	Prepared by	Scrutinized	Checked by	Assisted by	Rechecked by
Name					
Signature					

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 2008-09

ELECTRICAL ENGINEERING

Sr.No	Name & Ph.no.	PCM	%	REMARK
1	Dange Pankaj L.	79	63.00	
2	Mhaske Mayur B.	59	62.83	
3	Kulkarni Abhishek P.	51	63.83	
4	Patel Nikunj Kumar G.	53	56.00	
5	Baratania Bhavik Singh D.	59	65.38	
6	Patel Jigarkumar U.	OMS	64.00	
7	Singh Sumit Kumar P.	OMS	53.16	
8	Barhe Bhausahab M.	Dip.	59.38	
9	Patel Amit Kumar R.	OMS	59.00	
10	Patel Arpan D.	OMS	55.82	
11	Hire Pritesh S.	Dip.	55.69	
12	Patil Swapnil A.	Dip.	53.46	

MECHANICAL ENGINEERING

Sr.No.	Name & Ph.no.	PCM	%	REMARK
1	Tribhuvan Pranav S.	73	60.00	
2	Gaware Cheshul B.	72	36.13	
3	Dhabade Ganesh N.	70	62.50	
4	Singh Niket Kumar A.	69	63.66	
5	Pawar Manish L.	69	57.33	
6	Vispute Sumeet A.	68	76.66	
7	Upasani Manohar M.	66	65.00	
8	Pandit Matur D.	63	55.66	
9	Kawade Rahul V.	61	57.50	
10	Naik Ajinkya M.	56	70.33	
11	Gorde Avinash V.	75	70.00	
12	Bhise Jagan G.	Dip.	57.00	

CHEMICAL ENGG

Sr.No.	Name & Ph.no.	PCM	%	REMARK
1	Katte Nitin B.	68	78.16	
2	Dhatrak Siddesh B.	64	56.50	
3	Patil Chetankumar D.	73	65.00	
4	Shaikh Suhail	59	60.61	
5	Barkati Mohhmad F.	58	58.80	
6	Jadeja Darmendrasingh	56	56.93	

COMPUTER ENGG

Sr.no.	Name & Ph.no.	PCM	%	REMARK
1	Nikam Pooja S.	91	60.33	
2	Vadlamani Somashekhar S.	83	63.66	
3	Pathak Nikhil R.	76	65.00	
4	Patil Nikhil V.	73	67.16	
5	Lokhande Prajakta P.	71	67.00	
6	Gorde Prasad R.	59	68.33	
7	Singh Rajanishkumar S.	56	60.50	
8	Chavan Bhushan M.	62	64.33	
9	Dhake Prathamesh T.	54	54.50	

ELECTRONICS&TELECOMMUNICATION ENGG

Sr.no.	Name & Ph.no.	PCM	%	REMARK
1	Sonawane Prasad R.	87	64.33	
2	Pisharody Mahesh R.	76	70.50	
3	Patre Pratik J.	76	71.83	
4	Sonawane Anuja A.	73	72.00	
5	Minde Sandeep B.	45	54.30	
6	Sanap Shital S.	65	67.66	
7	Ranmate Shailesh M.	66	61.83	
8	Nadar Vinodkumar	93	71.00	
9	Sonawane Tushar S.	55	53.50	
10	Shete S. Nivrutti	53	61.66	
11	Makwana Kishan D.	82	64.61	
12	Bahar Bhivaji M.	56	56.33	

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)
- Committee for Admission under management seats:-

Sr. No	Name	Designation	
1)	Dr.Santosh P.Bhosle	Principal	Chairman
2)	Prof. S.B.Parjane	Asst. Prof. (Chemical)	Member
3)	Prof. U.V. Patil	H.O.D. (E&TC)	Member
4)	Prof. R.M. Abhang	H.O.D. (Chemical)	Member
5)	Prof. S. M. Rokade	H.O.D. (Computer)	Member
6)	Shri. S.L.Ghuge	Jr. Clerk, Student Section	Clerk
7)	Mr. R.T.Zade	Jr. Clerk, Student Section	Clerk

XV. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

LIBRARY:

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

S.No	Course(s)	Number of titles of the books	Number of volumes	Journals	
				National	International
1)	Mechanical Engg.	1011	4045	07	6
2)	Chemical Engg.	594	2873	05	6
3)	E & TC Engg.	749	3335	06	6
4)	Computer Engg.	663	3264	06	6
5)	Electrical Engg.	675	3863	07	6
6)	Information Technology	250	1000	04	2
7)	Basic Science Engg.	714	2346	09	6
8)	MBA	382	1306	18	6
	Total	5038	22032	48	43

- List of online National / International Journal Subscribe :INDEST-AICTE consortium,central library,IIT Delhi
- E- Library Facility :DELNET Facility

➤ **LABORATORY:**

- **LIST OF MAJOR EQUIPMENT / FACILITIES**

18.

Details of Laboratories & Workshops

S.No	Name of the Course	Name of the laboratory/workshop	Total Area of lab/workshop	Major equipment
	<u>A)Workshop</u>			
		Fitting Section	103.67	Vices
		Carpentry Section	150.00	Vices
		Welding Section	150.00	Welding transformers
		Machine Section	200.00	i) C.N.C. Machine ii) Lathe Machines (12 Nos) iii) Shaping Machine iv) Milling Machine V) Power hack Machine

		Tin Smithy Section	150.00	Furnaces
		Plumbing Section	53.67	Vices
		Black Smithy & Foundry Section	100.00	Dice & furnace
		Instruction Room	38.06	
		Store – I (Material Yard)	50.00	
		Store – II	38.06	
	B) MECHANICAL ENGG.	Thermal Sciences 1) Steam 2) I.C. Engine 3) Heat Transfer 4) Refrigeration & A/C	180.48 100.00 100.00	Pl. See List below :-
<p>List of Major Equipments</p> <p>a) Multi cylinder ,4 stroke, 4cylinder water cooled brand new petrol Engine testing</p> <p>b) Two stage Air compressor test rig</p> <p>c) Test set up of Single cylinder 4stroke diesel engine with rope brake dynamometer</p> <p>d) Vapour Compression refrigeration test rig.</p> <p>e) Twin cylinder diesel engine test rig with exhaust gas calorimeter. & hydraulic dynamometer</p> <p>f) Multi cylinder 4 stroke (matador) brand new Treker diesel engine test rig with hydraulic dynamometer.</p> <p>g) Single cylinder 4 stroke diesel engine test rig with exhaust gas calorimeter. And generator</p> <p>h) Diffuser test rig i) Convergent & Divergent Nozzle test rig j) Air conditioning test rig</p> <p>k) Rotary air compressor (Vane type) l) Flue Gas Analyzer with RPM indication m) Air conditioning test rig</p>				
		Fluid Mechanics & Machinery Lab	200	a) Closed Circuit Pelton wheel turbine test rig. b) Closed Circuit Francis Turbine test rig. c) Gear pump test rig (closed circuit) d) Centrifugal pump test rig. (closed circuit)
		Dynamics of Machinery and Theory of Machines	180.48	a) Vibration lab. of experiments b) Vibration Measurement unit using Accelerometers c) Epicyclic gear train apparatus d) Clutch slip test rig
		MQC & BME	90.05	a) Optical profile projector b) Test Markers microscope

		Metallurgy	90.05	1) Compression testing M/C 2) Torsion Testing M/C 3) Impact testing m/c
		CAD/CAM Lab	75.89	a) Ideas 9 Core Module b) Turbo C & C++ c) Catia VS R15 d) CAM work of Solid work cosmos e) Pro E wild fire-3 f) LCD Projector g) Auto desk inventor 2008(Auto- CAD) h. AUTO CAD 2009
		Dept. Stores	10.00	
	C) COMUTER ENGG.	Network Lab	73.00	1) Windows XP Home 2) Windows XP Home 3) Novel Netware 6.5 (S/W) 4.19 P-VI HCL M/C 5. QH Antivirus
		Project Lab	70.00	1. 25 P-VI HCL M/C 2. Win Runner 3.) Windows 2003 server 4. Windows vista 5. QH Antivirus Software with paper license HP functional testing seat user s/w LTV

		Hardware Lab	98.00	1. Share DSP processor 2 .8051 micro controller 3. Dyna 86 kits 4. Digital Electronics trainer kits 5. Function Generator 6. 15 KVA three phase online generator UPS for 20 min backup 7. DC Regulated power supply 8.02 P-VI HCL Machine
		Multimedia Lab	76.00	1)Visual Prolog (software 2) Director 3.VRML 2.0 (software) 4) MATLAB 5) Borland Turbo c++ 6. 22 P-VI HCL Machine 7. .QH Antivirus
		Linux Lab	76.00	1. Windows vista 2.Turbo++ 3.Visual Studio 4. 20 P-VI HCL Machine 5.15 KVA three phase on line 6. QH Antivirus
		Software Lab	101.00	1.Turbo c/c++ 2) IBM Rational Rose (software) 3)Oracle 10 g Std 4) TASM 5) AV Quick Heal 6) Window Vista

		Departmental store	37.00	
		Departmental Library	49.00	
		Seminar hall	128.00	
	D) CHEMICAL ENGG.	Mass Transfer I&II	175.38	I) Absorption bubble column ii) Absorption packed column iii) Rotary Dryer iv) Distillation at total reflux v) Tray Dryer vi) Bubble cap distillation eqpt
		Chemical Reaction Engineering	79.64	1.Reactive distillation column 2. Plug flow reactor 3. Batch Reactor (2) 4. CSTR in series
		Mechanical Operation	105.51	i) Cyclone Separator ii) Plate & Frame Filter Press
		Process Dynamics &Control	77.63	i) Computerize cascade control system ii) Second order system
		Instrumentation & Instrumental Analysis	99.13	Control Valve
		Project Lab	79.38	-
		Computer Lab	71.48	1.Chem CAD (Software) 2. Mat Lab (5 User) 3. UPS 15 kva 4. Microsoft windows 2003 server 5.LCD Projector
		Dept. Stores	44.78	
	Electrical Engg			

		Electrical Machine Lab I & II	168.13	1) Rectifier with stabilized output 80 A., 230 V. 2) DG set , 50 KVA, HA694, 3) D.C. Network Analyzer 4)DG set 25KVA,4335GM 5) DG set 25KVA,4336GM
		Electrical Machine III Lab.	163.76	
		Power System & Switchgear Protection	175.25	1) Simulated model for distance protection of transformer without impedance relay. 2) Simulated model for MERZ PRICE protection of transformer without Percentage differential relay
		Comp. Prog. Lab	43.18	1)MATLAB Software 2.) LCD 3) 3 Phase 15 KVA on line UPS , with 20 min backup
		Industrial Drives + Power Electronics	166.86	1.Electric Braking of DC Shunt Motor 1 HP 2.Electric Braking of phase induction Motor 1 HP 3) 3 Phased closed loop speed control of I.M1 HP
		Electr. Measurement & Instrumentation.	176.89	Current Transformer Testing KIT for Phase angle error.
		Control System	96.96	
		Microcontroller Lab	117.57	Nil
		Applied Electronics / Project Lab	113.32	
		Electrical Engg. Material/HV Engg.	81.81	

		Drawing & Reprographic facility	14.15	
	F) E& TC Engg.	Computer Lab	73.96	As Listed Below:- 1) Matlab 2) Orcad - Pspice 3) Orcad Layout Plus 4) Simulink 5) Signal Processing Toolbox
	<p>Microwind Package Hardware Dongle Based Microwind Package includes DS CH 3 a) Schematic editor & Simulator b) DIC 16F Moduler c) Verilog Compiler d) SPICE extractor Microwind 3 a) NANO Lanbda b) VirtueosoFAB c) MEMSim d) Prothumb e) Pro tutor 2) Matrix (Multiple App. tools) MAT Trix based Unit Daughter Modulus for Matrix CPLD Module, (XILINK XC-9572-PLC-C84) FPGA Module, (XILINK FPGA spartan II XC 2S50 PQ208) Add on modulus, pluggable Microcontroller Module ADC/DAC Module liquid crystal Display Module Relay Module dot Matrix Rolling Display panel key board adaptor power supply with cable JTAG programming Cable for Xilinx for PLDS byte blaster programming cable ALTERRA PLDS user Manual reference code & Eval Software CD DSP Lab 6000 plat form micro tutor learning recourses university program consisting of 1) MATLAB Tutor for T1 6000 2) SIMULINK Tutor for T1 6000 3) Architecture Tutor for T1 6000 4) LAB Programming Tutor for T1 6000 5) Code composer Studio 6) DSP 6713 Starter Kit 7) LED interface Kit 8) LCD interface Kit 9) Video interface Kit 10) CAMERA 11) daughter Board 12) Finger Print Sensor interfacing Kit 13) 15KVA ON Line UPS for 20 min backup</p>			
		Microprocessor Lab	56.26	
	<p>1. LCD Projector Sony Make 2. Lab-tool 48XP EPROM Programmer 3) 32 Channel Logic Analyzer with Built in pattern Generator a) Titan & Metis Board Titan Board with Philipse LPC-2148 U COS-II RTOS 512K Flash, 32K RAM, RTC DAC, USB, UCOS-II, RTOS Port-1 Metal Board with Philipse LPC-2294 4MB Flash, 1MB Ram RTOS Capability (UCOS/ Real time linux) 3) Titan & 2Metis Board with 5 IDEs b) Philips 89V51RD2 processor board, philips 89V51RD2 (8bit µC Processor Board)</p>			
		Power Lab	31.84	-----
		RMT Lab	45.35	1. 100MHz Oscilloscope 2) CADO 9100 DSO
		Basic Lab-I	50.51	1) EPABX System 8x4x24
		Basic Lab-II	33.91	
		Project and design Lab	52.45	
		Communication Lab	73.96	1). 100MHz Oscilloscope 2) 1 GHz Spectrum Analyzer
		Mechatronics Lab	42.71	As below :-

1.)Kits to Study the various Electro Pneumatics Components			
2).Electromagnetic compliance Trainer kit power supply(ST2507&2508)			
Spectrum Analyzer Model No. MSA338 3.3GHz Micronics Make			
Digital Storage Oscilloscope 100MHz with logic Analyzer RS232 interface printer Facility (MSO) model number RIGOL DS1102CD Scientech Make			
True RMS Meter Model CADD0 62 5 ½ digit scientech Make			
G)Information Technology			
	Programming Lab	91	40 HP P-IV Computer, Win XP Professional
	Digital & Microprocessor Lab	158	
	Information System Lab	107	
	Multimedia Lab	81	
	Network Lab	81	
	Class Room – 1	127	
	Class Room – 2	101	
	Departmental Library	49	
	HOD Office	50	
	Departmental Store	24	
	G) CIVIL ENGG.	150.00	GPS (Instrument and software GRAMIN).
	BC & EE		Linux laser level
	H) APPLIED SCIENCE	200.00	I) Michelson Interferometer II) He-Ne laser III) Magnetic susceptibility Expt. Kit IV) Ultrasonic Interferometer
	a) Applied Physics Lab		I) Muffle furnace II) Heating oven III) Vaccum pump IV) Spectrophotometer
	b)Applied Chemistry Lab	200.00	
	PG Level		
	MBA	147.34	1) LCD Projector 2) 30-nos HP make P-IV processor, 2GB RAM, 160GB HDD, 17”TFT
	Computer Lab		

• **LIST OF EXPERIMENTAL SETUP**
Applied Chemistry

Sr. No.	Description	Qty	Rate	Total cost
1	Laboratory Oven	1	14250.00	14250.00
2	Muffle Furnace	1	16150.00	16150.00
3	Digital pH meter	1	9200.00	9200.00
4	Laboratory Hot plate	1	1400.00	1400.00
5	Distilled water plant	1	5200.00	5200.00
6	Colorimeter	2	28800.00	28800.00
7	Magnetic stirrer	2	3790.00	3790.00
8	Single pan balance	4	36000.00	36000.00
9	Chemical balance	4	14400.00	14400.00
10	Rectangular water bath	1	3000.00	3000.00
11	Refrigerator	1	7000.00	7000.00
12	Stop watch	6	2310.00	2310.00
13	Drier	2	1300.00	1300.00
14	Conductivity meter	2	10260.00	10260.00
15	Spectrophotometer	1	29700.00	29700.00
16	Tripod stand	20	540.00	540.00
17	Vacuum pump	1	17000.00	17000.00
18	Digital Photoelectric colorimeter	2	5720.00	11440.00
19	Digital Top Loading balance	1	12570.00	12570.00
20	Digital pH/mV meter	3	4820.00	14460.00
21	Computer P-IV	2	35100.00	70200.00
			Total Cost	3,09,150.00

Applied Physics.

Sr. No.	Description	Qty	Rate	Total Cost
1	ULTRASONIC INTERFEROMETER	01	8000=00	8000=00
		02	12500=00	25000=00
		02	24500=00	49000=00
2	TRAVELLING MICROSCOPE	02	2500=00	5000=00
		02	2531=00	5062=00
3	SINGLE STAGE COMMON EMITR AMPLIFIER KIT	04	545=00	2180=00
4	PLANK'S CONST. APP.	04	2345=00	9380=00
		04	5400=00	21600=00
5	POST OFFICE BOX	01	745=00	745=00
6	HEATER	04	190=00	760=00
7	GALVANOMETER	04	115=00	460=00
8	SEMICONDUCTOR DIODE CHARACTERISTIC KIT	04	1440=00	6216=00
		04	2700=00	10800=00
9	TRANSISTOR CHARACTERISTIC KIT	04	999=00	4328=00
10	e/m APPARATUS WITH CRT & IT'S POWER SUPPLY	02	3600=00	7200=00
		02	7087=50	14175=00
11	BAR MAGNET PAIR	02	45=00	90=00
		04	55=00	220=00
12	STUDY PHOTOVOLTAIC CELL	02	5617=50	11235=00
		04	8750=00	35000=00
13	SPECTROMETER	02	1845=00	3690=00
		03	5000=00	15000=00
14	TRANSFORMER WITH WOODEN SLIT BOX	02	1445=00	2890=00
15	SPIRIT LEVEL	02	06=00	12=00
		03	607=50	1215=00
16	MULTIMETER ANALOG DIGITAL	02	5381=00	10762=00
		03	1500=00	4500=00
		01	6850=00	6850=00
		02	1856=00	3712=00
17	VOLTMETER 0-10V AMMETER 0-01mA AMMETER 0-10 A AMMETER 0-100A	02	290=00	580=00
		01	290=00	290=00
		01	290=00	290=00
		01	290=00	290=00
18	RESISTANCE BOX 0-500 OHM	15	670=00	10,500=00
19	CATHOD RAY OSCILLOSCOPE	04	16805=00	67220=00
20	DC REGULATED DUAL P.S. DC REGULATED SINGLE P.S.	03	7000=00	21000=00
		01	4100=00	4100=00
21	FUNCTION GENATOR	04	6000=00	24000=00
22	POST OFFICE BOX	03	1525=00	4575=00
23	DEFLECTION MAGNATOMETER	02	1650=00	3300=00
24	PHILIPS AMPLIFIER 120 WATTS	02	4994=50	9989=00
25	SOUND BOX	02	2994=00	5989=00
26	TRUMPET	02	300=00	600=00
27	DRIVER UNIT AHUJA AU 60	02	800=00	1600=00
28	CHORUS MIC.SENSITIVE	04	1850=00	7400=00
29	SINGER MIC. SENSITIVE	01	2200=00	2200=00
30	COLLAR CHORDLESS UNIT	01	1700=00	1700=00
31	STAND(BIG) STAND(SMALL)	03	246=66	740=00
		02	155=00	310=00

32	MICHELSON'S INTERFEROMETER	01	23000=00	23000=00
33	BANDGAP OF SEMICONDUCTER	04.	2250=00	9000=00
34	HE-NE LASER SET(2MW)	01.	41512=50	41512=50
35	R. C. NETWORK	04.	3037=50	6075=00
36	MAGNETIC SUSCEPTIBILITY COMPLETE EXPT. KIT	01.	44775=00	44775=00
37	DIGITAL GAUSSMETER	01.	7762=00	7762=50
39	SODIUM VAPOUR LAMP35 WATT(SEMICONSU)	03	3037=50	9112=50
40	MERCURY VAPOUR LAMP(120 WATT)	2	2025=00	4050=00
41	COMPUTER P-IV	2	35100=00	70200=00
			G. Total	6,60,453=00

Workshop

Sr. No.	Description	Qty	Cost	Total
1	Leg vice	1	1,350	1,350
2	Bench vice	7	840=00	5,880
3	Carpentry vice make Apex 8"	3	890=00	2,670
4	Carpentry vice (make Unique 8")	1	840	840
5	Carpentry vice (make United 8")	11	590	6,490
6	Spot welding machine Manually operated	1	14,000	14,000
7	Black smithy forge Twin type furnace size 3' x 3' x 2 ½ ft	3	6,300	18,900
8	Blower with elect motor , 3HP 2880 RPM GI pine 2"x40ft	1	5,750	5,750
9	Bench vice (Make Apex 150mm)	16	1,400	22,400
10	Bench vice (Make Apex 200mm)	12	2,470	29,640
11	Hand shearing machine	1	18500	18500
12	Hand Drill machine ½" Kpt pr 113	1	3999	3999
13	Bench Grinder (sunrise) Size250mm/3Phause/1H.P/3000 R.P.M.	1	3;675	3,675
14	Hand operated circle cutting machine Capacity 18"	1	5,350	5,350
15	Buffing and polishing machine Bench type, 0.75 HP	1	2,780	2,780
16	Spray painting unit with portable compressor, starter, switch, spray gun 1 lit cap, compressor cap 5 cub. Ft ,electric motor 1HP, with extension hose pipe.	1	10,400	10,400
17	Leg Shearing machine SWG	1	15000	15000
18	Drilling machine (Pillar) 20mm cap., 1.5 H.P.	1	8500	8500
19	Hand drilling machine kpt 113	1	4925	4925
20	Drill machine vice Size 6"	2	840	1,680
21	Mechanical hand operated bending machine	1	7200	7200
22	Edge folding machine Cap up to 22 SWG and width 900 mm.	1	4,050	4,050
23	Hydraulic pipe bending machine size ½" to 3"	1	10,170	10,170
24	Pipe vice (make Unique 4")	6	855	5,130
25	Sheet rolling machine size 36 inch, cap 18 swg	1	7200	7200

26	A.C Welding transformer 3 phase	2	6,500	13,000
27	Hand operated injection moulding machine, with heater and regulator cap – 30 GM	1	4,650	4,650
28	Circular saw machine with all accessories (Jay make)	1	14,950	14,950
29	Thickness Planner machine with all accessories (Jay make)	1	16,000	16,000
30	Hand lever shearing machine Super cut geared hand lever	1	1,900	1,900
31	Lathe PSG 141 E All geared head lathe (800mm ABC) SRNo 4511(Make-PSG)	4	1,60,000	6,40,000
32	Lathe PSG 141 E All geared head lathe (800mm ABC) SRNo 4511(Make-PSG)	2	1,60,000	3,20,000
33	Lathe PSG 141 E All geared head lathe (800mm ABC) SRNo 4511(Make-PSG)	1	1,60,000	1,60,000
34	Lathe PSG 141 E All geared head lathe (800mm ABC) SRNo 4511(Make-PSG)	1	1,60,000	1,60,000
35	Tenoning and Mortising machine, with elect motor , Model J 919(Jay make)	1	22,125	22,125
36	Hand lever shearing machine “Super cut “ Geared hand lever.	1	1700	1700
37	Abrasive cutting machine with 3 HP elect motor	1	18,500	18,500
38	Band saw machine 3 HP motor cap	1	24,000	24,000
39	Jig Saw Machine (Jay make) Model J 828 ,1”x24 1HP 3 phase with V belt (Jay make)	1	6,600	6,600
40	Bench Grinder 3 Phase ,1HP motor 250mm , RPM 3000	1	3,675	3,675
41	Wood turning machine with 1HP ele motor 3 Phase , V belt ,model j-911 ,4.5 ft heavy duty.	2	10,650	21,300
42	Wood turning machine	2	22280	22,280
43	Big size bhid long vice	1	1200	1200
44	Big size bhid long vice	1	1200	1200
45	C.N.C Machining Center (Comeex)	1	6.23,995	6,23,995
46	Shaping Machine Stroke length-450mm (Make-Atlas)	1	78,300	78,300
47	Lathe (Turner)	1	2,43,119	2,43,119
48	Lathe (Turner)	1	2,47,052	2,47,052
49	Lathe (Turner)	1	2,42,303	2,42,303
50	Lathe (Turner)	1	2,43,119	2,43,119
51	Milling machining	1	4,61,915	4,61,915
52	Hydraulic power Hacksaw Machine	1	60700	60,700
53	Single Phase Welding Machine	1	13,800	13,800
			Gross Total:-	38,83,862.00

Civil Engineering Section

BASIC CIVIL ENGG.				
Sr No	Description	Qty	Cost	Total Cost
1	30m steel tape	2	240.00	480.00
2	15m metallic tape	2	300.00	600.00
3	30m metallic tape	1	330.00	330.00
4	30m metallic tape	1	325.00	325.00
5	30m Fiber Glass Tape	3	375.00	1175.0
6	30m Fiber glass Tape	1	245.00	245.00
7	30m Linen Cloth Tape	1	180.00	180.00
8	20m measuring Chains	6	430.00	2580.0
9	Prism type brass, optical square with case	3	355.00	1065.00
10	Left type brass optical square with case	3	315.00	945.00
11	Line Ranger	3	395.00	1185.0
12	100m prismatic compass with tripod	3	800.00	2400.0
13	125mm prismatic compass with tripod	1	1200.00	1200.0
14	4m aluminum leveling staff	6	1000.00	6000.0
15	4m wooden leveling staff	6	550.00	3300.0
16	4m wooden leveling staff	6	400.00	2400.0
17	Brass cross staff with pole (100mm)	4	200.00	800.00
18	Brass cross staff with pole (150mm)	2	250.00	500.00
19	Ranging Rods	25	180.00	4500.00
20	Planimeter	3	600.00	1800.00
21	Surveyors Compass with Stand	1	850.00	850.00
22	12" Dumpy level with telescopic Stand	6	3000.00	18000.00
23	Placom Digital Planimeter	1	31800.00	31800.00
24	GPS (instrument and software GARMIN)	1	54,562.50	54,562.50
25	Linux laser level	1	1,22,175.0	1,22,175.00
26	Computer P4	7	24750.00	1,73,250.00
	TOTAL COST			432647.00

Engineering Mechanics Laboratory

Sr	Description	Qty	Cost	Total Cost
1	Combined Coil and Belt Friction Apparatus	1	3300.00	3300.00
2	Wheel and Differential Axle Apparatus	1	2050.00	2050.00
3	Moment of Inertia of Fly Wheel (15cm Dia Wheel)	1	815.00	815.00
4	Moment of Inertia of Fly Wheel (20cm Dia Wheel)	1	980.00	980.00
5	Shear Force Apparatus	1	1275.00	1275.00
6	Bending Momen Apparatus	1	1275.00	1275.00
7	Worm & Worm Wheel Apparatus (single purchase crab)	1	1750.00	1750.00
8	Worm & Worm Wheel Apparatus (double purchase crab)	1	2300.00	2300.00
9	Set of Wt. from 1gm to 5 gm made of brass & 100gm to 500gm	2	250.00	500.00
10	Torsional Pendulum	1	638.00	638.00
11	Reaction of Beam Apparatus	1	2720.00	2720.00
12	Polygon of Force Apparatus	1	1190.00	1190.00
13	Spring Balance	5	750.00	4117.50
14	Compound Pendulum with set of Knife Edge, Stop watch(2)	1	1200.00	1200.00
15	Space Force Apparatus	1	1000.00	1000.00
16	Weight Box	2	500.00	1000.00
17	Spring Balances	5	750.00	4117.50
18	P-IV Computer	1	35100.00	35100.00
	TOTAL			65328.00
			Gross Total:-	497975.00

Department of Chemical Engineering

Mechanical Operation

Sr. No.	Description of Equipments	Qty	Rate	Cost (Rs.)
01	Mixing and Agitation	01	45,000=00	45,000=00
02	Jaw Crusher	01	41,148=00	41,148=00
03	Plate & Frame Filter Press	01	67,392=00	67,392=00
04	Rotary Drum Filter	01	43,416=00	43,416=00
05	Froth Flotation cell	01	37,584=00	37,584=00
06	Cyclone Separator	01	55,512=00	55,512=00
07	Ball Mill	01	29,316=00	29,316=00
08	Sieve Shaker	01	40,684=00	40,684=00
			Total Cost	3,60,052=00

Mass Transfer

Sr. No.	Description of Equipments	Qty	Rate	Cost (Rs.)
1.	Absorption in Bubble Column	01	1,07,000=00	1,07,000=00
2.	Absorption in Packed Column + Air Compressor of 6CFM	01	81,972=00	81,972=00
3.	Wetted Wall Column	01	44,496=00	44,496=00
4.	Diffusion Coefficient of CCl ₄ in Air	01	37,152=00	37,152=00
5.	Rotary Dryer	01	95,000=00	95,000=00
6.	Distillation at Total Reflux	01	63,720=00	63,720=00
7.	Extraction Column	01	46,116=00	46,116=00
8.	Digital Weighing Machine a. 0-500 gm b. 0-5000 gm	01 01	44,469=00	44,469=00
9.	Tray Dryer	01	63,135=00	63,135=00
10.	Solid Dissolution	01	39,088=00	39,088=00
11.	Bubble Cap Distillation Column	01	1,19,000=00	1,19,000=00
12.	Batch Crystallizer	01	21,000=00	21,000=00
13.	Simple Steam Distillation	01	20,000=00	20,000=00
14.	Rectangular Thermostatic Water Bath	01	6,500=00	6,500=00
			Total Cost	7,88,948=00

Instrumentation & Instrumental Analysis

Sr. No.	Description of Equipments	Qty	Rate	Cost (Rs.)
1.	Thermocouple calibration test Rig	01	15,660=00	15,660=00
2.	Calibration of bimetallic Thermometer	01	14,647=32	14,647=32
3.	Digital PH Meter	01	4,282=20	4,282=20
	Glass PH Electrode	01	1688=00	1688=00
4.	Characteristic Of Control Valve	01	57,096=00	57,096=00
5.	Hair Hygrometer	01	1,450=00	1,450=00
6.	Hand Refractometer	01	1,340=00	1,340=00
7.	Water Analyzer Kit	01	20250=00	20,250=00
			Total Cost	1,16,413=00

Process Dynamics & Control

Sr. No.	Description of Equipments	Qty	Rate	Cost (Rs.)
1.	Two Tank System (interacting)	01	33,588=00	33,588=00
2.	Two Tank System (non-interacting)	01	33,588=00	33,588=00
3.	Computerized cascade Control System	01	1,86,660=00	1,86,660=00
4.	PID controller	01	20,313=00	20,313=00
5.	ON-OFF Temperature Controller	01	7,795=80	7,795=80
6.	First Order System	01	14,493=00	14,493=00
7.	Second Order System	01	1,08,153=00	1,08,153=00
			Total Cost	4,04,590=00

Process Modeling & Simulation

Sr. No.	Description of Equipments	Qty	Rate	Cost (Rs.)
1.	Computer P IV	02 08 01 05 02 02	33,200=00 33,200=00 26,800=00 33,200=00 25,800=00 24,500=00	6,25,400=00
2.	Quick Hill Antivirus 2 users multi users	01 01	14,400=00	14,400=00
3.	Chem Cad software 1.Version 5.4 2.Cd version 3.Cd version	01 01 01	3,96,240=00	3,96,240=00
4.	Stabilizer (7.5 KVA)	01	11,000=00	11,000=00
5.	Epson 1150 Printer	01	12,450=00	12,450=00
6.	DeskJet 1210 Printer	01	4,850=00	4,850=00
7.	Mat Lab Software	11	4,00,942=00	4,00,942=00
8.	D-link Switch	01	3,900=00	3,900=00
9.	UPS-500VA	02	2,100=00	4,200=00
10.	D link E CAT 5 Cable Box	01	3,100=00	3,100=00
11.	MS Win XP Professional & Home	01 09	6135=00 4073=00	6135=00 36657=00
12.	RJ 45 Connections	100	500=00	500=00
13.	Web Camera	01	1,235=00	1,235=00
14.	Printer- Lesser Jet 3122	01	8,923=00	8,923=00
14	UPS-15KVA	01	2,15,000=00	2,15,000=00
15	Quick heal Antivirus	05	2100=00	10,500=00
16	Microsoft Windows 2003 SVR	01	60,000=00	60,000=00
17	Turbo C/C++ Suite	10	2950=00	29,500=00
18	LCD Projector	01	54,990=00	54,990=00
			Total Cost	: 18,99,922=00

Chemical Reaction Engg.-I

Sr. No.	Description of Equipments	Qty	Rate	Cost (Rs.)
1.	Reactive Distillation	01	132325=00	132325=00
2.	Plug Flow Reactor	01	51202=00	51202=00
3.	Batch Reactor	02	51215=50	102431=00
4.	CSTR	01	45378=00	45378=00
5.	CSTR in Series	01	55547=00	55547=00
			Total Cost	3,86,883=00
			GRAND TOTAL	39,56,508=00

Mechanical Engineering Department

I.C. Engine Lab

Sr. No.	Description	Qty	Rate	Cost (Rs)
1	Multi cylinder ,4 stroke, 4cylinder water cooled brand new petrol Engine	1	120750	120750
2	Two stage Air compressor	1	63525	63525
3	Engine test set up Single cylinder 4stroke diesel engine with rope brake dynamometer.	1	76860	76860
4	Vapour Compression refrigeration test rig.	1	57750	57750
5	Twin cylinder diesel engine test rig with exhaust gas calorimeter. With hydraulic dynamometer	1	109725	109725
6	Multi cylinder 4 stroke (matador) brand new Treker diesel engine with battery and hydraulic dynamometer	1	219450	219450
7	Single cylinder 4 stroke diesel engine test rig with exhaust gas calorimeter. And generator /resistance bank load.	1	63525	63525
8	Diffuser test rig	1	70821	70821
9	Convergent & Divergent Nozzle	1	65111	65111
10	Air conditioning test rig.	1	98490	98490
11	Rotary air compressor (Vane type)	1	193248	193248
12	Bomb Calorimeter	1	46802	46802
13	Flue Gas Analyser with accessories	1	489632	489632
			Total	1675689

Basic Mechanical Engg. Lab

Sr. No.	Description	Qty	Rate	Cost (Rs)
1	Overhead Projector	1	9500/-	9500
2	Model of two stroke petrol engine	1	1755/-	1755
3	Model of Battery Ignition system	1	2925/-	2925
4	Model Babcock & Wilcox Boiler	1	5832/-	5832
5	Model of 2-stroke petrol engine	1	1458/-	1458
6	Model of 2-stroke diesel engine	1	1620/-	1620
7	Model of 4-stroke Petrol engine	1	1620/-	1620
8	Model of 4-stroke diesel engine	1	1620/-	1620
			Total	26330

CAD/CAM Lab

Sr. No.	Description	Qty	Rate	Total Cost
1	A.C. 1.5 ton Capacity, window mounted type, with kirloskar harmatic compressor	2	23000	46000
2	Computers :-	20	31600	632000
3	AutoCAD 2002 - Stand alone, Education network based pack	1	38000	38000
4	I-Deas 9 core module upgraded to Artisian 11 NX under ME & S	1	62400	62400
5	Solid Works 2001,Photoworks, Animator	1	24990	24990
6	CAM WORKS	1	40932	40932
7	COSMOS WORKS	1	36077	36077
8	Printer - EPSON LQ-1070	1	17000	17000
9	Printer - EPSON LQ-1150	1	15000	15000
10	UPS	1	4700	4700
11	Voltage Stabilizer (Tejas) - 7.5 KVA	1	13000	13000
12	UTP RJ 45 connectors Dlink , E cat utp cable 305 mtr Dlink ,DES 1024 Rt port 10/100 mbps rack, mount switch with slot for optical fibre module Dlink.	1set	15300	15300
13	Internet Conection TATA Indicom	1	1000	1000
14	Printer HP PSC 1210	1	4850	4850
15	ME&S for Ideas Artisan Modular (Installation No.1051195)		35000	35000
16	MS Windows XP Home	9	4073	36657
17	MS Windows XP Professional	1	6135	6135
18	Catia Educational V-5-R-14	1	88400	88400
19	Computers :-Processor - P IV 2.93 GHZ, 256MB RAM 40GB HDD with CD Writer	1	24750	24750
20	Computers:- Pentium D CUP 3.40GHz, 256(248) MB RAM 80 GB HDD RW Combo	5	33200	166000
21	TURBO C& C++	20 Seat	2600	52000
22	PRO/Engineer Wildfire-3	5	90000	468000
23	Autodesk Inventor 2008(AutoCAD 2008)	10	42260	439504
24	Computers-Branded HCL infinity Pentium IV, 3.40 GHZ,1 GB RAM ,80 GB HDD SATA ,DVD Drive, TFT monitor	8	26800	214400

25	15 KVA three phase online UPS for 20 min backup(Pulsetech Make) with 30 exide battery	1	215000	215000
26	Microsoft windows 2003 enterprises SVR ,25 clients,AE	1	60000	60000
27	Quick Heal Antivirus	7	1200	8400
28	LCD Projector	1	54990	54990
29	Printer Laser Jet	1	8923	8923
30	Computers-Branded HCL infinity Pentium IV, 3.0 GHZ,1 GB RAM ,80 GB HDD SATA ,DVD Drive, TFT monitor	4	25800	103200
31	Computer system- Branded hp desktop Dx 2480 based on latest intel G-33 express chipset Processor Support up core Z, Quad Dual core E 2180, 2.0 GHZ	05	24500.00	122500.00
32	Printer hp Laser jet model – P1007	01	6000.00	6000.00
33	Auto CAD 2009 Perpetual stand alone or network licenses	20 user		306600.00
			Total	3367708.00

Fluid Machinery Lab

Sr. No.	Description	Qty	Rate	Total Cost
1	Closed Circuit Pelton wheel turbine test rig.	1	172000	172000
2	Closed Circuit Francis Turbine test rig.	1	172000	172000
3	Reciprocating pump test rig.	1	21600	21600
4	Centrifugal pump.	1	32400	32400
5	Gear pump test rig (closed circuit)		49920	49920
6	Centrifugal pump test rig. (closed circuit)		53040	53040
7	Impact of jet on vanes apparatus	1	23920	23920
8	Hydraulic press model	1	5044	5044
9	Runner Model	1 set	1560	1560
			Total Cost	531484

Fluid Mechanics Lab

Sr. No.	Description	Qty	Rate	Total Cost
1	Reynolds's Apparatus	1	6858	6858
2	Metacentric height apparatus	1	6264	6264
3	Venturimeter & Orifice meter with all accessories	1	19,440	19440
4	Manometer Board	1	5400	5400
5	Heleshaw apparatus	1	8100	8100
6	Electrical analogy apparatus	1	19,000	19000
7	Red wood viscometer	1	6500	6500
8	Bernoulli's theorem apparatus	1	29,426	29426
9	Closed Circuit apparatus for determination of Coefficient of discharge of notches and wires	1	44413	44413
10	Closed Circuit apparatus for determination of losses in pipeline due to sudden construction, enlargement, bends and elbows.	1	44200	44200
			Total Cost	189601

Dynamics of Machinery & Theory of Machines Lab

Sr. No.	Description	Qty	Rate	Total Cost
1	Motorized Gyroscope	1	17516	17516
2	Whirling of shaft apparatus -	1	19725	19725
3	Universal governor apparatus	1	20880	20880
4	Static and dynamic balancing machine	1	13920	13920
5	Generation of involutes gear tooth profile apparatus	1	6725	6725
6	Vibration lab. -	1	88921	88921
7	Cam analysis machine -	1	31600	31600
8	Epicyclic gear train apparatus	1	73764	73764
9	Clutch slip test rig	1	50220	50220
10	Hookes Coupling Model(single)	1	870	870
11	Hookes Coupling Model(double)	1	1632	1632
12	Instruction model, gear box model	1	1958	1958
13	Motor car steering model	1	2448	2448

14	Slider crank mechanism, Withworth quick return mechanism model	1	1360	1360
15	Differential gear box model	1	2937	2937
16	Geneva drive model	1	870	870
17	Peacullier straight line mechanism model	1	979	979
18	Watt Straight line mechanism model	1	979	979
19	Trifiller suspension	1	1079	1079
20	Vibration Measurment Unit	1		131830
			Total	470213

Heat Transfer Lab

Sr. No.	Description	Qty	Rate	Total Cost
1	PIN-FIN Apparatus for Natural Convection & Forced Convection	1	23425	23425
2	Natural Convection Apparatus	1	23824	23824
3	Forced Convection Apparatus	1	26866	26866
4	Emissivity Apparatus	1	25485	25485
5	Stefan Boltzman's Apparatus	1	26594	26594
6	Thermal Conductivity of Metal Rod	1	24008	24008
7	Thermal Conductivity of insulating powder	1	28674	28674
8	Guarded hot plate apparatus:	1	40143	40143
9	Shell & tube tupe heat exchanger:	1	37519	37519
10	Parallel flow & counter flow heat exchanger	1	36644	36644
			Total Cost	293182

Metallurgy Lab

Sr. No.	Description	Qty	Rate	Total Cost
1	Metallographic belt polisher(Wet &Dry type) grinder with coolant pipe	1	9360	9360
2	Double disk polishing Machine(lapping machine)	1	17680	17680
3	Metallographic Specimen cutoff Machine. SCM 1100,3Phase Motor with control 3200 SFPM cutting speed,5 Hp	1	24960	24960
4	Monocolour Metallurgical Microscope 1000X with Indian optics 5X,10X, With Eyepiece HS&WF 10X	1	11440	11440
5	Furnace (0-1000 ° C), digital control.	1	16640	16640
6	Jominey End Quench Hardnability Test	1	33800	33800
7	Magnetic crack detector.	1	28317	28317
8	Dye Penetrant test kit	1	9360	9360
9	Rockwell cum Brinell Hardness tester(transfer from Civil Section)	1	21545	21545
10	Impact Testing Machine	1	46854	46854
11	Cocret Mould Cube Made up of cast iron	6	727.27	4363
12	Mortar Mould cube Made up of Mild Steel	6	363.64	2182
13	Trowels	4	181.82	727
14	Enamel Tray	3	350	1050
15	Compression Testing Machine(50 Ton)	1	74493	74493
16	Torsion Testing Machine	1	59895	59895
			Total Cost	362666

Metrology Lab

Sr. No.	Description	Qty	Rate	Total Cost
1	Metzer Optical Profile Projector Model -1900	1	45000	45000
2	Tool Maker's Microscope	1	45000	45000
3	Black Granite Surface Plate	1	5148	5148
4	Plain Master Cylinder	1	9152	9152
5	Tachometer Range 10000 RPM	1	5512	5512
6	Adjustable Outside Micrometer No 104-139	1	9078	9078

7	Gear Tooth Vernier Caliper	1	19687	19687
8	Demonstration Box containing different gauges.	1	6187	6187
9	Vernier Height Gauge 0-300/12"	1	13275	13275
10	Level Bottle (300/0.02mm/m)	1	10687	10687
11	Dial Bevel Protractor	1	7312	7312
12	Caliper Type Inside Micrometer	1	8662	8662
13	Screw Thread Micrometer	1	8437	8437
14	Mechanical Dial Comparator	1	13500	13500
15	Electronic Comparator	1	14062	14062
			Total Cost	220699

Department Of Electronics and Telecommunication Engg.

Basic Electronics Lab.

Sr. No.	Description of Equipments	Qty	Rate	Cost (Rs.)
1	Analog Multimeter	04	5381	21524.00
2	3.5 Digital Multimeter	3	1500	4500.00
3	4.5 Digital Multimeter	1	6850	6850.00
4	3.5 Digital Multimeter	2	2050	4100.00
5	DC Voltmeter (0-1)v (0-10)v (0-25)v (0-50)v (0-100)v	15 15 15 15 15	210 210 210 210 210	17010.00
6	Current Meter with stand (0-100)mA (0-1)mA	23 24	290 290	6670.00 6960.00
7	Ammeter DC with stand (0-1)mA (0-10)mA (0-50)mA (0-100)mA	2 3 3 4	290 290 290 290	580.00 870.00 870.00 1160.00
8.	Transistor Tester	01	2400	2400.00
9.	20 MHz Dual trace CRO	04	15900	77465.00
10.	25 MHz Dual trace CRO	2	18800	45361.00
11.	25 MHz Dual trace CRO	4	18800	91594.00
12.	Resistance Box 5 decade variable switches (0-99.5K)	01	2365	2365.00
13.	Function generator	5	6000	30000.00
14.	Function generator 2 MHz with Digital Display	06	7150	42900.00
15.	(15-300)v ,10A regulated DC power supply	01	22000	22000.00
16.	0-30V /1amp single DC regulated Power Supply	02	4100	12300.00
17.	0-30V /1amp single DC regulated Power Supply	01	4100	4100.00
18.	0-30V /1amp Dual DC regulated power supply	03	7000	21000.00
19.	0-30V /1amp Dual DC regulated power supply	01	7000	7000.00

20.	Linear General purpose power Supply (0-16)V/2A	04	4400	22487.00
21.	+5V Digital Fixed IC Power supply	02	2200	5618.00
22.	Linear Modular Op-Amp Power Fixed supply(+/-15V)	4	4000	20430.00
23.	Op-Amp Power supply(+/-15V)	4	1270	5578.00
24.	Digital 0-30V/1amp Dual DC regulated power supply	06	4800	25920.00
25.	AC Milivoltmeter	5	4300	25266.00
26.	Electrical Volotmeter	01	3500	3500.00
27.	Digital Storage Adapter	1	15900	19181.00
28.	LCR Q meter (Bench top)	1	23000	23000.00
29.	Universal frequency counter 550MHz	2	9050	20747.00
30.	150W output power meter	1	9150	10489.00
31.	LVDT transducer kit	02	6580	13160.00
32.	Bootstrapped emitter follower &Darlington emitter follower	2	2900	27560.00 with Tax 9.8%
33.	Test signal trainer	1	8200	
34.	Type 0 Control system	2	7000	
35.	Type 1 Control system	2	7000	
36.	Strain gauge transducer with amplifier kit	2	7550	15100.00
37.	Strain gauge with load cell	1	10350	10350.00
38.	H- Parameters Transistor Measurement Kits	02	3850	7700.00
39.	Single Stage RC Coupled CE Amplifier Kit	02	850.00	1700.00
40.	Study Kit For VI & Optical Characteristics of LED, Photodiode, Photo voltaic cell, LDR & Phototransistor	02	6300	37995.00
41.	Class A, Class AB, B, C, Power Amplifier	02	2700	
42.	Voltage Series & Current Series – ve feedback Amplifier Kit	02	1650	
43.	Voltage Shunt & Current Shunt – ve feedback Amplifier Kit	02	1650	
44.	LC, RC, Crystal Oscillator Kit	02	1650	
45.	Kit for Application of Op-Amp	02	2700	
46.	Kit for zener Diode Shunt Regulator & Emitter Follower	02	1350	
47.	T & Wein bridge Network as Notch Filter Kit	02	1650	
48.	Low Pass & High Pass Filter Kit	02	1350	
49.	Band pass & Band Pass Filter Kit	02	1350	
50.	Digital multimeter 15 S, 3&3/4	04	4956	
Total Cost				745184.00

Communication Laboratory Lab

Sr. No.	Description of Equipments	Rate	QTY	Cost (Rs.)
1	30 Mhz Dual Trace Oscilloscope Scieticfic Make Model 203M	20800	02	45760
2	30 Mhz Dual Trace Oscilloscope Aplab Make Model 3744	33600	01	42914
3	100 Mhz Dual Trace Oscilloscope Aplab Make Model 3937R	59995	02	124790
4	2Mhz Function Generator with digital Dispay Model Adroit-FG8005B	7150	04	28600
5	+5 V Digital IC Power Supply Aplab Make Model-FL502	2200	05	14046
6	Antenna Yagi Uda	120	01	120
7	Booster	270	01	270
8	1Ghz Spectrum Analyzer Hameg Make Model-5014-2	238650	01	262515
9	A.M. Generator using IC XR 2206 With P.S & S.G.	2690	02	5380
10	DSBSC balanced modulator & Demodulator with P.S. & S.G.	3950	02	7900
11	SSBSC Modulator & Demodulator using IC 1496 with P.S. & S.G.	3950	02	7900
12	A.M. Balanced Slope Detector with FM generator & S.G.	2650	02	5300
13	F.M. Balanced Slope Detector with FM generator & S.G.	2790	02	5580
14	FM MOD & DEMOD using IC 8038 with P.S. & S.G.	2850	02	5700
15	AM super-heterodyne radio receiver with 5 faults	2650	02	5300
16	B & W TV trainer with 16 faults Facility	11490	01	11490
17	COLOUR TV trainer with 30 fault facility	29900	01	29900
18	Infrared Datasuite Handset Manager	575	01	575
19	PAM & Sampling Theorm Kit	3500	02	7000
20	Linear PCM Modulation & Demodulation Kit	8900	02	17800
21	Different PCM Modulation & Demodulation Kit	9200	02	18400
22	Delta Modulation & Demodulation Kit	8900	02	17800
23	Adaptive Modulation & Demodulation Kit	8900	02	17800
24	PSK Modulation & Demodulation Kit	4900	02	9800
25	QPSK Modulation & Demodulation Kit	4900	02	9800
26	QAM	6500	02	13000
27	Nose Figure Measurement of Superhetrodyne Receiver KASHTRONICA Make	7027	02	14054
28	Various Line Code Data Format RZ NRZ	4941	02	9882
29	Error Probablity Of Matched Filter	14823	01	14823
30	PC to PC Communication using Fibre Cable	25803	01	25803
31	Study of Stochastic Processes & CDF PDF measurement Kit	13500	02	27000
32	Signal Level Meter Freq 40-300Mhz	8900	02	17800
33	SIGMA Make Graphic equalizer trainer kit	5000	02	10000
34	SIGMA Make tone control	1875	02	3750
35	Cardiode type Freq. 100Hz to 10 Khz Sensitivity 1.2 mV impedance 500ohm	3500	01	3500
36	UD 77 Cardiode type Freq 100Hz to 10 KHz Sensitivity 1.2 mV impedance 500ohm	890	02	1780

37	Expt. Kit to study Directional Pattern of Microphone omni & Bidirectional Unit	9800	02	19600
38	Expt. Kit to plot Freq. response of loud Speaker with & without encloser with sound level	9800	02	19600
39	Expt. Kit for alignment of TV using color Pattern Generator & Bidirectional Unit	18900	01	18900
40	Color Pattern Generator	7800	01	7800
41	Kit of VCR with test point	18900	01	18900
42	Kit to plot directional pattern & gain measurement for Yagi-Uda Antenna	22500	01	22500
43	VIF Amplifier trainer Kit	6900	01	6900
44	Electrical Condenser type Frequency 20Hz 18khz AHUJA Make	3250	01	3250
45	Sampling and Reconstruction Trainer ST 2101	7635	02	16797
46	TDM Pulse code modulation Transmitter ST2103	15265	02	33583
47	TDM Pulse code modulation Receiver ST2104	15265	02	33583
48	Data Formatting and carrier Modulation Transmitter ST-2106	15265	02	33583
49	Carrier modulation and Demodulation & Data Reformatting Receiver ST-2107	15265=00	02	33583
50	Variable Binary data generator ST2111V	3500=00	02	7700
51	DSB/SSB AM Receiver ST2201	13500=00	02	29700
52	DSB/SSB AM Transmitter ST2202	13500=00	02	29700
53	Freq. Modulation/ Demodulation ST2203	18500=00	02	40700
54	FM Communication ST2204	20850=00	02	45870
55.	150 MHZ RF Signal generator	9000=00	02	19800
56.	a) Companded PCM (using A-Law, Quantisation Noise, SNR Measurement)	16340	01	16340
	b) Study of DM& ADM technique observation	11300	01	11300
	effect of slop, overload granuler noise& SNR measurement	11300	01	15440
		15440	01	8600
	i) DM	8600.	01	62980
	ii) ADM	Total		7872.5
	c) Detection of digital base band signal using Matched filter in presence of noise	VAT		70852.5
	d) generation & detection of DS-SS coherent BPSK	12.5%		0
		Grand Total		
57.	a) CDMA trainer Model CDMA100 P	37000	01	37000
	b)GSM trainer Model GSM100 AT	37000	01	37000
	c)Mobile Phone trainer Model Mobile Phone 100L	20000	01	20000
		29000	01	29000
	d) VOIP Trainer model Model VOIP 100L (37000	01	37000
	e) PSTN T/S/T switch trainer Model PSTN100L(SIGMA)	Total		160000
		VAT		20000
		12.5%		180000
		Total		
58.	Digital Storage Oscilloscope 100MHz with logic Analyzer RS232 interface printer Facility (MSO) model number RIGOL DS1102CD Scientech Make	105000	01	105000
				0
59.	a)DTH Demo Kit Model DTH 100 Make SIGMA	68750	01	68750
		35750	01	35750
	b)CD/VCD/MP3 Player Demo Kit Model VCD 100 Make SIGMA	Total		10450
		VAT		0
		12.5%		13062
		Total		11756

			2
	Total	1793599.50	

Computer Lab.

Sr. No.	Description of Equipment	Qty.	Rate Rs.	Total Cost
1.	Branded HCL P-4, 2.8GHz, RAM 256MB DDR, 40GB HDD, 1.44FDD, 15" Colour Monitor	20	26500	530000
2.	MATLAB with Paper License	05	38478	200095.6
3.	ORCAD Capture	05	21584	115473.66
4.	ORCA Psice AD	05	75278	383943.66
5.	ORCAD Layout Plus	01	82220	89773.66
6.	Win XP Home OEM	09	4073	36637
7.	Win XP Profs OEM	01	6135	6135
8.	Simulink	01	64342	66496.66
9.	Signal Processing Tool Box	05	15476	79534.66
10.	Communication Tool Box	01	25758	27912.66
11.	Control system Tool Box	01	25758	27912.66
12.	Image Processing Tool Box	01	25758	27912.66
13.	Signal Processing Tool Box	01	25758	27912.66
14.	DSP Lab 6000 plat form micro tutor learning recourses university program consisting of	1set	509550.00	509550.00
	1) MATLAB Tutor for T1 6000	01		
	2) SIMULINK Tutor for T1 6000	01		
	3)Architecture Tutor for T1 6000	01		
	4)LAB Programming Tutor for T1 6000	01		
	5) Code composer Studio	01		
	6) DSP 6713 Starter Kit	01		
	7) LED interface Kit	01		
	8) LCD interface Kit	01		
	9) Video interface Kit	01		
	10) CAMERA	01		
	11) daughter Board	05		
12) Finger Print Sensor interfacing Kit	01		509550.00	
				63694.00
			Total	573244.00
			VAT12.5%	
			Total	
		01		
		03		
		01		
15	1) Microwind Package Hardware Dongle Based Microwind Package includes DS CH 3	01	150000.00	150000.00
	a) Schematic editor & Simulator b) DIC 16F Moduler c) Verilog Compiler d) SPICE extractor Microwind 3 a) NANO Lanbda b) VirtueosoFAB c) MEMSim d) Prothumb e) Pro tutor			
	2) Matrix (Multiple Application Trcks) MAT Trix based Unit Daughter Modulus for Matrix CPLD Module (XILINK XC-9572-	05	17000.00	85000.00

	PLC-C84) FPGA Module (XILINK FPGA spartan II XC 2S50 PQ208) Add on modulus pluggable Microcontroller Module ADC/DAC Module liquid crystal Display Module Relay Module dot Matrix Rolling Display panel key board adaptor power supply with cable JTAG programming Cable for Xilinx for PLDS byte blaster programming cable ALTERRA PLDS user Manual reference code & Eval Software CD			235000.00
16	LCD projector Sony Make Model VPLES 04 2200 Lumens Integrated Volume Control input Alexibility Monitor output short projection Distan 7 picture model	01	54990.00	54990.00
			Grand Total	3047375.0

Mechatronics Lab

Sr. No.	Description of Equipment	Qty.	Rate Rs.	Cost Rs.
1	a) Kit to Study various electropnumatics components	01	58580	58580
	b) To study electropnumatics trainer (SAP Engg.) Air Compressor	01	19140	19140
2.	Power project Board Trainer	10	4650	139747
3	Kit to Study Pressure Transducer –Strain gauge / any pressure sensor	01	21460	24142
4.	LVDT Transducer	02	10800	39710
5.	ST2302-Temperature transducer	01	14500	
6.	Digital Storage Oscilloscope Caddo 9100, color LCD Display	01	101294	101294
7.	Caddo FC Freq. counter Model 9250	01	15500	17050
8.	a) Electromagnetic compliance Trainer kit	01	65000	71500
	Power supply(ST2507 & 2508)	01		
9.	Spectrum Analyzer Model No. MSA338 3.3GHz Micronics Make	01	338000	371800
10.	True RMS Meter Model CADDO 62 5 ½ digit scientech Make	01	42500	47812
11.	Study of PID controller PIC microcontroller system design and simulations using graphical display.	01	12500	12500
12.	PLC programming interfacing with proxy sensors rotary encoders optical sensors , limit switches (Application of PLC).Model No.ST2403A Industrial PLC (Fatek) trainer 8 input/6 output (Scintech make)	01	35000.00	53438
	Total Cost			866493.5

Microprocessor Lab

Sr. No.	Description of Equipment	Qunt.	Rate Rs.	Cost Rs.
1.	8085 based trainer kit Xpo-85-model	08	6000	48000
2.	Interface Cards			
a)	8259	03	1800	5400
b)	8257	03	1800	5400
c)	8255	03	1800	5400
d)	8253	03	1800	5400
e)	8279	03	1800	5400
f)	8251	03	1800	5400
g)	Converter Cards	03	850	2550
h)	AD/DA converter card	03	1050	3150
i)	Stepper Motor & 12V DC motor interface card	02	1950	3900
Sr. No.2 a) to i) TOTAL				88800 97502.40
j)	Keyboard of PCAT	08	600	4800
k)	Power Supply (SMPS)	08	1200	9600
l)	26 Pin FRC	05	200	1000
3.	8085 Microprocessor kit model XP085 with 16X4 LCD display	03	6000	18000
a.	Interface Cardes 8259	01	1800	1800
b.	8253	01	1800	1800
c.	8253	01	1800	1800
d.	8279	01	1800	1800
e.	AD/DA converter card	01	1800	1050
f.	Stepper Motor & 12V DC motor interface card	01	1950	1950
g.	Temp Controller study card	01	1950	1950
Sr.No.3 a) to g) TOTAL				30150 33104.70
h.	Keyboard PCAT	03	600	1800
i.	Power Supply (SMPS)	03	1200	3600
j.	26 Pin FRC	03	200	600
4.	8085 trainer kit Model LGS85L	08	5000	40000
a.	Interfacing Perifheral 8253	02	1800	3600
b.	12 Bit ADC usin7109	02	1200	2400
c.	8 Bit ADC/DAC Combined	02	1050	2100
5.	8051 Microcontroller kit with LCD display & Assembler	06	7000	42000
Sr.No.3 4 a). to 5. TOTAL				90100 98930
6.	Printer Epson LQ1150 Dot Matrix	01	12450	12450
7.	20 MHz Dual Trace CRO Systronic Make	01	16805	16805

8.	LCD Projector	01	107000	107000
9.	Samsung VCD Player	01	5000	5000
10.	Ups System 1KVA on line 40 Min Backup Wipro Make	01	23600	23600
11.	OHP with screen	01	4400	8900
12.	Wall Screen	01	500	1650
13.	Writing Pack	01	125	3600
14.	Labtool-48XP EPROM Programmer	01	53014	53014
15.	89C51 RD2 Based multipurpose Project cum development board	08	4500	36000
16.	8051 Microcontroller Trainer Model LGS-51	04	7875	31500
17.	Stepper Motor Interfacing with small motor	02	2925	5850
18.	In circuit emulator	01	39375	39375
19.	PIC 16F877 Microcontroller Trainer LGS-PIC-M	02	7875	15750
Sr.No.15) to 19.			TOTAL	114600 128925
20.	Discrete Component Trainer Model DCT1 Agronic Make	10	4500=00	45000
21.	Linear IC Trainer Model LICT1 Agronic Make	10	4500=00	45000
22.	Microfriend Dyna 86LCD Advanced 8086 up Trainer with 40x2 line LCD Display with inbuilt assembler & Dassemler power supply	02	17185	34370
23.	Cable and connector set with Key Board	02	884	1768
24.	ADC/DAC kit to interface to 8086 ADC 01 8 Bit 1 channel A-D Converter study card	02	1535	3070
25.	ADC/DAC kit to interface to 8086 DAC 01 8 Bit 1 channel D-A Converter study card	02	1235	2470
				791559.10
26.	Analog multimeter type 8* Mk III (Motwani make)	04	5381	21524.00
27.	3.5 Digital mulimeter Model no 890F	03	1500	4500.00
28.	4.5 Digital multimeter CIE8050	01	6850	6850.00
29.	3.5 Digital mulimeter Mastech MY 62	02	2050	4100.00
30.	3.5 Digital mulimeter Mastech MY 62	08	1200	10541.00
31.	Ammeter DC with stand (0-1ma) (0-10ma) (0-50ma) ()-100ma)	02	290	580.00
		01	290	290.00
		02	290	580.00
		01	290	290.00
32.	DC voltmeter moving coil 21/2" dia besto Mo-65 with case 0-1 V 0-10 V 0-25 V 0-50 V 0-100 V	10	210	2100.00
		10	210	2100.00
		10	210	2100.00
		10	210	2100.00
		10	210	2100.00
		10	210	2100.00
33.	AC millivoltmeter Systronic type 401	05	4300	25266.80
34.	Resistance box,5 decade variable	01	2365	2365.00

	switches , range upto 99.99KΩ Omega make, manganin coil			
35.	20 Mhz CRO dual trace Systronic model 510D	08	16805	134442.66
36.	20 Mhz CRO dual trace Systronic model 4023	02	15900	38732.50
37.	Digital storage adapter Systronic make model 5D22	01	15900	19181.00
38.	Function Generator (Adroit make) FG 8005A	06	6000	36000.00
39.	2Mhz Function generator with digital displayModel-Adroit FG8005B	05	7150	35750.00
40.	Single DC power supply 0-30v ,1A (Analog DC Regulated) Elnova make Model 614300109	04	4100	16400.00
41.	Single DC power supply 0-30v ,1A (Analog DC Regulated) Elnova make Model 614300109	01	4100	4100.00
42.	Dual DC power supply 0-30v ,1A (Analog DC Regulated) Elnova make Model 634300109	03	7000	21000.00
43.	Multi output DC (0-32)V Regulated power supply Adroit make Model M 3015	08	8500	68000.00
44.	+5 V /2A Power supply Aplab make Model-FL0502	08	2200	22473.00
45.	+5 V /2A Power supply Aplab make Model-FL0502	08	2300	23500.00
46.	15V /2A Linear modular ,Dual tracking power supply A PLAB MAKE Model FD1502	06	4000	30646.00
47.	Industrial PLC Training kit 10 Digital i/p,6 Digital o/p Model Micrologix 1000 Make Allen Bradley DI&DO Simulator(Toggle) Switches & lamp wire to PLC	01	40000	40000.00
48.	4 point Annunciator application module with beeper	01	7000	7000.00
49.	Insulation tester Omega	01	825	825.00
50.	Auto Digital IC Tester 28 pins Systronics Model902	01	15600	18820.00
51.	Digital Stop watch	02	1250	2500.00
52.	PLL using IC565	02	1850	3700.00
53.	Alarm Annunciator Kit	02	1850	3700.00
54.	RC Oscillator Wein Bridge Oscillator Phase Shift Oscillator	02	1050	2100.00
55.	Single Phase Rectifier Circuit with LCL section	02	1200	2400.00
56.	Voltage Multiplier kit	02	1200	2400.00
57.	Kit for biasing of BJT in CE configuration	02	1200	2400.00

	1.Fixed bias 2.Collector to Base bias 3. Self bias			
58.	Single Stage BJT amplifier in CE configuration	02	1200	2400.00
59.	Single Stage BJT amplifier in CB configuration	02	1200	2400.00
60.	Single Stage BJT amplifier in CC configuration	02	1200	2400.00
61.	Simulation Software for single stage BJT amplifier	01	6000	6000.00
62.	H-parameter measurement (Direct method) for BJT	02	1200	2400.00
63.	H-parameter measurement (Direct method) for FET	02	1200	2400.00
64.	Differential Amplifier	02	1200	2400.00
65.	IC-723 as a voltage regulator	02	1200	2400.00
66.	Series & Parallel Resonance	02	1100	2200.00
St For Kits From Sr.No55 to .66 @ 9.8%				3156.00 35356.00
67.	EPBAX System	01	195280	195280.00
68.	Matrix make	01	8500	8500.00
69.	Digital multimeter 15 S, 3&3/4	03	4956	14868
70.	32 Channel Logic Analyzer with Built in pattern Generator	01	190870.0 0	190870.00 VAT12.5% 23859.00 214729.00
71.	a) Titan & Metis Board Titan Board with Philipse LPC-2148 U COS-II RTOS 512K Flash, 32K RAM, RTC DAC, USB, UCOS-II, RTOS Port-1 Metal Board with Philipse LPC-2294 4MB Flash, 1MB Ram RTOS Capability (UCOS/ Real time linux) 3Titan & 2Metis Board with 5 IDES b) Philips 89V51RD2 processor board, phiplips 89V51RD2 (8bit µC Processor Board)	1set 03	304209.0 0 4050.00	304209.00 12150.00 316440.00 CST 10% 31644.00 348084.00
72.	Mobitech System a) 20 Pair Jeely Field Cable b) 100 Pair Junction Box c) 50 Pair Junction Box d) Line Protection Unit	315 Meter 01 01 02	76.00 5500.00 4000.00 1500.00	23940.00 5500.00 4000.00 3000.00 40012.00
73.	HCL Infinity P-IV 3.4GHz (HT) Intel 915 Mother Board ,2556MB DDR RAM , On board 10/100 MBPS LAN 17" TFT Color Monitor 52X DVD Combo Drive 80GB HDD SATA 1.44FDD Multimedia Internal Key Board Scroll Optical Mouse	17	33200.00	564400.00
74.	HCL INFINITIT Deskstop with dual processor INTEL dual core @3.00GHZ Intel G 31 Chipset Mother Board 1 GB DDR RAM MPBS LAN 17 TFT Color Monitor DVD writer 80 GB HDD 1.44 MB FDD Multimedia Keyboard Scroll optical mouse with pad cabinet	10	25800.00	258000.00
Grand Total				3098385.00

Radiation & Microwave Techniques

Sr. No.	Description of Equipment	Qty.	Rate	Cost Rs.
1.	Microwave Test Bench MT 9002 includes			
	a)Gunn Power Supply	01	6950=00	6950=00
	b)Gunn Oscillator	01	9500=00	9500=00
	c)Pin Modulator	01	4100=00	4100=00
	d)Isolator	01	3575=00	3575=00
	e)Frequency Meter (Direct Readout)	01	8200=00	8200=00
	f)Variable Attenuator(0-20db)	02	3250=00	6500=00
	g)Detector Mount-1	01	2500=00	2500=00
	h)Solid state VSWR meter	01	9450=00	9450=00
	i)Mechanical Turn Table	01	11000=00	11000=00
	j)E-Plane Bend -90	02	1175=00	2350=00
	k)H-Plane Bend-90	02	1175=00	2350=00
	l)Wave guide stand	20	450=00	9000=00
	m)Cooling Fan	01	500=00	500=00
	n)BNC Cable	02	250=00	500=00
	o)TBNC Cable	01	400=00	400=00
	p)Pick up Horn	01	2950=00	2950=00
	q)Slotted Antenna-Broad Wall	01	3450=00	3450=00
	r)Conical Dielectric Antenna	01	3700=00	3700=00
	s)Sectorial Horn E Plane	01	1800=00	1800=00
	t)Parabolic Antenna with Dipole Feed	01	4750=00	4750=00
	u)Pyramidal Horn (Gain 16 db)	02	1850=00	3700=00
2.	Microwave Test Bench MT 9004 includes			
	a)Solid State Klystron Power Supply	02	15000=00	30000=00
	b)Pin Modulator	01	4100=00	4100=00
	c)Isolator	01	3575=00	3575=00
	d)Frequency Meter (Direct Read out)	01	8200=00	8200=00
	e)Variable Attenuator(0-20db)	01	3250=00	3250=00
	f)Slotted section with probe carriage	01	5450=00	5450=00
	g)Tunable probe	03	2150=00	6450=00
	h)Detector Mount	01	2500=00	2500=00
	i)E Plane Tee	02	1200=00	2400=00
	j)H Plane Tee	02	1200=00	2400=00
	k)Magic Tee	02	1750=00	3500=00
	l)Movable Short	03	1650=00	4950=00
	m)Matched Termination	04	1650=00	6600=00
	n)Fixed Attenuator-3db	01	1600=00	1600=00
	o) Fixed Attenuator-6db	01	1600=00	1600=00
	p) Fixed Attenuator-10db	01	1600=00	1600=00
	q)Variable Attenuator (0-20db)	01	3250=00	3250=00
	r)Directional Coupler-3db	01	4000=00	4000=00
	s) Directional Coupler-10db	01	4000=00	4000=00
	t)Cross Directional Coupler-20db	01	1800=00	1800=00
	u)T Circulator	01	3100=00	3100=00
	v)Y Circulator	01	3100=00	3100=00
	w)Cooling Fan	01	500=00	500=00
	x)BNC Cable	01	200=00	200=00
	y)TBNC Cable	01	400=00	400=00
3.	Variable Standing Wave Ratio Meter	02	9450=00	18900=00
4.	Slotted section with probe carriage	02	5450=00	10900=00
5.	Tunable Probe	01	2150=00	2150=00
6.	Wave guide detector	01	2500=00	2500=00
7.	Detector IN 23 Diode	03	600=00	1800=00
8.	Matched Termination	05	1650=00	8250=00

9.	Isolator/ Circulator with Termination	02	3575=00	7150=00
10.	Coaxial Wave Guide Adapter	01	1375=00	1375=00
11.	Klystron 2K 25	02	2900=00	5800=00
12.	Klystron Mount	02	2450=00	4900=00
13.	Slide Crew Tuner	02	2000=00	4000=00
14.	Precision S.S Tuner with Micrometer	02	3250=00	6500=00
15.	E-H Tuner	01	2350=00	2350=00
16.	Three Port Circulator (T&Y)	01	3100=00	3100=00
17.	Wave Guide Stands	01	450=00	450=00
			Total	285875=0
			Vat including	3,21,609=

Power Electronics Laboratory

Sr. No.	Description of Equipment	Qty.	Rate	Cost Rs.
1*	MOSFET Char.	2350	2	4700.00
2*	Full Bridge inverter	3650	2	7300.00
3*	Full Bridge Converter	2550	2	5100.00
4*	DC Motor Control	16900	2	33800.00
5*	SMPS	3250	2	6500.00
6*	3-phase controlled rectifier	2950	2	5900.00
7*	SCR gate triggering	4450	2	8900.00
8*	Step down chopper	2850	2	5700.00
9*	V-I Char of MOSFET/ SCR/TRIAC	7906	2	15812.00
10	UPS*	13725	1	13725.00
11*	Commutation kit	4600	2	10102.00
12	Multimeter	760	5	3800.00
13	Autotransformer (3-phase)	3670	4	14680.00
15*	Tachometer	2785	2	5570.00
16	Power Scope	22500	2	49500.00
17	Speed Control of AC/DC motor using SCR firing	8500	2	17000.00
18	Autotransformer (Single phase)	1440	5	7776.00
19	SCR controlled rectifier with UJT triggering for lamp load	650	2	1300.00
20	SCR as a rectifier with UJT firing kit	650	2	1300.00
21	UPS study kit	4500	2	9000.00
22	Transistorized power supply	5700	5	34382.00
23	Wide band oscillator, Systronic make	9800	6	71618.00
24	Dual trace power scope, Systronic make	23800	1	28712.00
25	Dual trace power scope, Systronic make	23800	1	28988.00
26	Dual trace CRO, Systronic make, Model 510/D	16805	2	33610.66
27	Dual trace CRO, Systronic make, Model 4023	15900	2	38732.50
28	Linear power supply, L-1602	4400	4	22478.50
29	Bridge Rectifier Kit	9575	2	19150
30	Educational Trainer System power electronics Trainer	7500	2	15000
31	Parts Accessories Modular Expt. Panel	02	4350	8700
	a) Semiconductor & power semiconductor devices Expt. Panel	02	13500	26400
	b) Converter& inverter			
32.	Kit to study synchro System	01	23780	26753
33.	Digital multimeter 15 S, 3&3/4	03	4956	14868
34.	Single phase Quasi Square wave inverter transistorized based for R & RL load	01	9500.00	10687.5
Total:				6,07,545.26

ELECTRICAL ENGINEERING DEPARTMENT
Electrical Measurement I

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	Ammeter : AC/DC (0 - 1 - 2 A)	6	800	4800
2	Ammeter : AC (0 - 5 - 10 A)	10	800	4800
3	Voltmeter : AC/DC (0 - 15 - 30 V)	6	850	5100
4	Wattmeter Centre Zero : 10 - 20 A, (150 - 300 - 600V)	2	1520	3040
5	Wattmeter : 10 - 20 A, (150 - 300 - 600V)	6	1700	10200
6	Wattmeter LPF : 10 - 20 A, (150 - 300 - 600V)	2	2500	5000
7	Wattmeter Single Phase: 5 - 10 A, (300-600V)	10	2500	25000
8	1 - Ph. Energy Meter : (10 - 20 A)	2	365	730
9	3 - Ph. Energy Meter : (415 V)	2	1650	3300
10	3 -Ph. Loading Rheostat : Capacity - 7.5KW	2	10700	21400
11	1 -Ph. Rheostatic Load : 230 V/15 A	1	6900	6900
12	3 - Ph. Auto-transformer : 32 A, 0 - 440 V	2	12650	25300
13	3 - Ph. Auto-transformer : 15 A, 0 - 440 V	2	9980	19960
14	C.T. Ratio :-			
	a. Ratio : 5/5 A	2	540	1080
	b. Ratio : 10/5 A	4	540	2160
15	C.T. Ratio with M.S. Box terminals on Bakelite			
	a. Ratio : 10/1 A, 15VA	5	180	900
	b. Ratio : 10/5 A, 15VA	3	180	540
	c. Ratio : 5/5 A, 15VA	3	180	540
16	P.T. Ratio :-			
	a. Ratio : 440/440 V	2	700	1400
	b. Ratio : 440/110 V	4	700	2800
17	P.T. Ratio with M.S. Box terminals on Bakelite			
	a. Ratio:230/110V, 15VA	5	950	4750
	b. Ratio:440/440V, 15VA	5	950	4750
	c. Ratio:440/110V, 15VA	5	950	4750
18	Earth Tester	1	1675	1675
19	Testing Kit for Earth Tester	1	710	710
20	Spot Galvanometer	2	2700	5400
21	Analog Deflecting Galvanometer	2	285	570
22	Analog Galvanometer Pointer Type 2.5', Round 30-30	5	200	1000
23	Kelvin Double Bridge	2	4500	9000
24	Anderson's Bridge Having Two Rotational 10,100 & 1000 Ohm	2	3800	7600
25	Wheatstone Bridge with Galvanometer & Battery range	1	4000	4000
26	Epstein Square	2	14900	29800
27	Crompton Potentiometer : (0.005 to 1.75)	1	4700	4700
28	C.T. Testing Kit to measure Phase Angle Error & Ratio Error of C.T.	1	53785	53785
29	High(low) voltage Shearing Bridge Model	1	3990	4264.32
30	Digital Micro Ohmmeter,(3.5 Digit Resistance Meter)	1	2500	2671.85
31	Digital Insulation Tester , 500 volt	1	4000	4275
Grand Total =				292851.17

Electrical Measurement-II Lab.

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	Digital Ammeter :			
	a. (0 - 2 A) DC	1	630	630
	b. (0 - 10 A) DC	1	630	630
2	Digital Voltmeter	2	1150	2300
3	Frequency Meter	2	1150	2300
4	Signal Generator	1	2700	2700
5	Schering Bridge to measure Capacitance & Loss Angle of a Capacitor with all required accessories for its operation.	1	6300	6300
6	Speed measuring Trans. Trainer Kit by Magnetic Pack up, Photo electric method.	1	13500	13500
7	Strain Measurement Tutor	1	10800	10800
8	Resistance Temp. Detector Kit.	1	10800	10800
9	LVDT Transducer Kit containing complete with controller displacement measurement Tutor using LVDT.	2	8900	17800
10	Unknown Resistance Box.	4	650	2600
11	Pressure Transmitter Trainer Kit, with Compressor.	1	22300	22300
12	Standard Cadmium Cell having emf 1.0183 V, with Electronic cell.	1	3680	3680
13	Campbell's Frequency Bridge.	1	13750	13750
14	Digital Multimeter 3 ½ Digit (Rishabh make)	2	1840	4140
Grant Total =				1,14,230

A.C.Circuit & Transformer Lab.

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	Ammeter : AC			
	a. 0-1 A	3	680	2040
	b. 0-5 A	3	680	2040
	c. 0-100 mA	3	680	2040
2	Ammeter : AC 0 - 5 A	10	1550	15500
3	Voltmeter : AC			
	a. 0-75-150-300-600V	4	680	2720
	b. 0-75-150-300-600V	4	680	2720
4	Voltmeter : DC (0-75-150-300-600V)	10	850	8500
5	Wattmeter :			
	a. 5/10 A,75-150-300V	2	1600	3200
	b. 5/10 A,75-150-300-600 V	6	1700	10200
6	Autotransformer : (1 - Ph., 15 A, 230 V)	6	2900	17400
7	Autotransformer : (3 - Ph., 32 A, 440 V)	2	12650	25300
8	Transformer : (1- Ph., 230/115 V, 1 KVA), with 0%, 13.4%, 50%, 86.6%, & 100% Tappings	6	1385	8310
9	Transformer : (1- Ph., 230/115 V, 2 KVA), with 0%, 13.4%, 50%, 86.6%, & 100% Tappings	6	2760	16560
10	Transformer : (1- Ph., 230/115 V, 2.5 KVA), with 0%, 13.4%, 50%, 86.6%, & 100% Tappings	4	3225	12900
11	Transformer : (1- Ph., 230/115 V, 2.5 KVA), with 0%, 13.4%, 50%, 86.6%, & 100% Tappings	5	4525	22625
12	Transformer : (1- Ph., 230/115 V, 1 KVA), with 0%, 13.4%, 50%, 86.6%, & 100% Tappings	6	1385	8310
13	Rheostatic load : (1 - Ph., 15 A, 7 - Steps)	2	4725	9450
14	Multimeter	1	5500	5500
Grand Total =				1,76,255

Electrical Engineering Material Lab

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	Gauss Meter	1	7200	7200
2	Thermometer	1	36	36
3	Thermocouple			
	a. Copper	1	180	180
	b. Iron	1	180	180
	c. Cramel	1	180	180
4	Thermocouple Characteristics Kit	1	9000	9000
5	Insulation Testing kit	1	8000	8000
6	A.C. High Voltage	1	44100	44100
7	Oil Testing Kit	1	14500	14500
8	Sphere Gap Arrangement 5 cm	1	29000	29000
9	Fittings, Connection wires, Insulating Materials	1	800	800
10	Measurement of Hysterisis loop of transformer without	01	16312.5	16312.5
11	Measurement resistivity of resistive material	01	31387.5	31387.5
12	Insulation resistance tester kit –Megger battery operated	01	2531.25	2531.25
13	Hand Driven generator type , metal body , insulation tester, 500 volt , 0 to 100 m OHMS	01	2531.25	2531.25
14	Motorized oil testing Kit	01	37,800	42,525
Grand			Total = 2,08,463.50	

Basic Electrical Engineering Lab.

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	Voltmeter			
	a. 10V	1	535	535
	b. 15V	2	535	1070
	c. 50V	3	563	1689
2	Ammeter : AC/DC 0-10-20A	6	800	4800
3	Ammeter : DC 0-1A	2	488	976
4	Wattmeter : 2.5/5A, 150/300V	2	1600	3200
5	Digital Stopwatch	2	250	500
6	Autotransformer : 1 Phase, 15A	2	2900	5800
7	Rheostat : 300 / 1.7A	4	850	3400
8	Rheostat : 220 / 1.7A	4	750	3000
9	Rheostat : 50 / 5A	4	950	3800
10	Rheostat : 38 / 8.5A	6	1650	9900
11	Rheostat : 300	3	800	2400
12	Insulation Tester	1	3000	3000
13	Transformer (1 Phase, 1KVA, double wound open type, 230 volt.)	2	2800	5600
14	Autotransformer (3 Phase, 15A,440 volt, close type)	1	9980	9980
15	Analog Multimeter	1	8900	8900
Grand Total =				68550

Switchgear & Protection Lab

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	Simulation Model for Merz - Price Protection of Transformer with Percentage Differential Relay.	1	65584	65584
2	Percentage Differential Relay for Merz - Price Protection of Transformer.	1	19500	19500
3	Simulation Model for Distance Protection of Transformer with Impedance Differential Relay.	1	50275	50275
4	Impedance Relay for Distance Protection of Transformer.	1	13500	13500
5	Switchgear & Relay Testing Kit.	1	44320	44320
6	Solid State Impedance 1A, CT, 110 V, PT operated Relay with CT & PT & Panel Board.	1	13500	13500
7	Microprocessor based Over current Relay 1A, CT, 110 V, PT operated Relay with CT & PT & Panel Board.	1	22450	22150
8	Overhead Projector Universal Dual Lamp Model.	1	9950	9950
Grand Total =				2,38,779

Electrical Machines I & II Lab.

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	Voltmeter : DC			
	a. 500 V	4	740	2960
	b. 300 V	4	740	2960
	c. 100 V	4	740	2960
	d. 50 V	4	740	2960
2	Voltmeter : AC/DC			
	a. 0-75-150-300 V	10	910	9100
	b. 0-300-600 V	6	850	5100
3	Ammeter :			
	a. 0-1 A : DC	3	740	2220
	b. 0-5 A : DC	3	740	2220
	c. 0-10 A : DC	3	680	2040
	d. 0-100 mA : DC	3	740	2220
	e. 0-15 A : AC	3	740	2220
	f. 0-25 A : AC	3	740	2220
4	Ammeter :			
	a. 0-1-2 A : DC	4	715	2860
	b. 0-2.5-5 A : DC	2	715	1430
	b. 0-5-10 A : DC	2	715	1430
5	Ammeter : DC 0-5 A	10	1650	16500
6	Wattmeter :			
	a. 500W (2A,250V)	2	1065	2130
	b. 1000W(5A,250V)	2	1065	2130
7	Wattmeter : 500W 10-20A,300-600V	2	1065	2130
8	Rectifier : 3Ph., 415 V,25 A	1	13070	13070
9	Rectifier : I/P :- (3Phase,415V,25A) O/P - DC:(230V,25A)	3	16440	49320
10	Rectifier with stabilized O/P-DC:- (230V,80A)	1	74600	74600
11	Rheostat load : complete load, 3Phase 7.5KW	1	14460	14460
12	Autotransformer : 1 Phase, 15A	2	2900	5800
13	Autotransformer : 3 Ph.,32A,415 volt	2	12650	25300
14	Autotransformer : 3 Phase, 15A,440 volt	1	9980	9980
15	Tong Tester	1	1850	1850

16	Hand tachometer, contact type with 6 ranges from (30-1500)rpm	5	1900	9500
17	Non contact type Tachometer	2	2900	5800
18	3Phase variable Inductive Load,10A	1	18800	18800
19	Syncroscope,144,69mm	1	1350	1350
20	Phase Sequence Indicator	1	450	450
21	Dc shunt motor / shunt generator set :-(Motor:- 5Hp, 230V, 1500 rpm,Generator:-3.5KW, 230V,1500 rpm)	1	28800	28800
22	Dc series motor / series generator set :-(Motor:- 5Hp, 230V, 1500 rpm,Generator:-3.5KW, 230V,1500 rpm)	1	30900	30900
23	Dc series motor with pony brake :- (Motor:- 3Hp, 230V, 1500 rpm,)	1	22200	22200
24	Slip ring induction motor / shunt generator set :- (Motor:- 3 phase,7.5Hp, 415V, 1500 rpm,Generator:- 5KW, 230V,1500 rpm)	1	36200	36200
25	3-Ph. Squirrel cage induction motor / shunt generator set :-(Motor:- 3phase,5Hp, 415V, 1500 rpm,Generator:-3KW, 230V,1500 rpm)	1	26400	26400
26	DC Shunt Machine identical set :- (3Hp, 230V, 1500 rpm, coupled together)	1	26400	26400
27	DC Shunt Motor with flywheel arrangement :- (5Hp, 230V, 1500 rpm)	1	18400	18400
28	Dc shunt motor with poney brake :- (Motor:- 3KW, 230V, 1500 rpm,)	1	18400	18400
29	Dc shunt motor with poney brake :-(Motor:- 5HP, 230V, 1500 rpm,coupled to compound generator)	1	30800	30800
30	1 Ph. Capacitor start Induction Motor with poney brake :-(Motor:- 1HP, 230V)	1	4800	4800
31	1 Ph. Capacitor start Induction Motor :-(Motor:- 1HP, 230V)	1	2600	2600
32	Alternator set consist of Shunt Motor coupled to Alternator :-(Motor:- 7.5HP, 230V,1500rpm / Alternator:- 5KVA,,415V,50Hz,1500rpm)	4	34700	138800
33	3 Ph. Alternator set DC Shunt Motor coupled to Salient pole Alternator with control panel :-(Motor:- 5HP, 230V,1500rpm / Alternator:- 3KVA,415V,50Hz,1500rpm)	1	44100	44100
34	Auto Synchronous motor with poney break :- (Motor:- 3HP, 1500rpm)	1	14800	14800
35	Auto Synchronous motor :-(Motor:- 1HP, 1500rpm)	1	8900	8900
36	control panel for synchronous motor containing Ammeter, Voltmeter, & fuses	1	4800	4800
37	Starters:-			
	1] Two point starter	2	1200	2400
	2] Three point starter	1	1200	1200
	3] Rotor resistance starter :- 3 - Ph., 7.5HP, 415 V.	1	2200	2200
	4] Star/ Delta starter (manual)	1	1800	1800
38	Starters:-			
	1] 4 point starter for shunt motor	1	1300	1300

	2] DOL starter for 5HP motor	1	1000	1000
	3] star/delta starter (Automatic)	1	2800	2800
39	Starters:-			
	1] Two point starter	2	1050	2100
	2] Three point starter	10	1000	10000
	3] Four point starter	2	1050	2100
40	Rheostat tube type			
	1] 12A , 9 ohm	4	1650	6600
	2] 5A , 50 ohm	6	1210	7260
	3] 1.7A , 230 ohm	6	710	4260
	4] 1.2A , 750 ohm	6	1170	7020
	5] 0.6A , 1200 ohm	6	520	3120
	6] 0.3A , 800 ohm	6	290	1740
41	Hexagonal tube type			
	1] Rheostat, 900 ohm, 2A, double type.	5	1890	9450
	2] Rheostat, 1700 ohm, 1A, Double Tube.	3	1630	4890
	3] Rheostat, 120 ohm, 1A, Single Tube.	3	290	870
	3] Rheostat, 120 ohm, 1A, Single Tube.	3	290	870
42	DG set, 50 KVA, HA 694, Air cooled, Electric Start 3 phase, DG set with kirloskar oil Engine HA 694, 64BHP, 1500 rpm air cooled engine, Coupled with KEC/CG 415V, 50Hz, Alternator on common base plate with couples, 100 ltr fuel tank, Control panel battery with leads.	1	262000 + 4192 (Ex.Duty)	303920
43	DG SET 50KVA HA 694 Air Cooled :-	1	53830	53830
	1] Installation, Commission & Testing			
	2] Changeover 100 Amp, (4 pole)			
	3] Cabling for Alternator Control Panel & Changeover 35 sqmm, 4 core, A 1 Cable.			
	4] Earth Pits (4 nos.) Al strip (600 * 600 * 6mm)			
	5] Fabrication Stand for 100 ltr Fuel Tank & Battery Stand Piping Excnst			
	6] Net foundation work			
	7] Electrical inspector Appro (NOV)			
	8] KWH 3 Ph. Motor with CT			
	9] Set of AVM pads (06 nos.)			
	10] Transportation			
	11] Loading & Unloading			
	12] Other Characteristics			
44	Analog Multimeter	1	8900	8900
45	DC Network Analyzer	1	71850	71850

46	Inverter	2	10550	21100
47	Battery	4	5475	21900
48	Phase Sequence Indicator, Portable 96sqmm, 50V-500V, 25Hz - 60Hz.	1	494	494
49	Power Factor Meter, 5A, 250V, Scale 0.5 lag - 1 - 0.5 lead	1	2962	2962
50	Multimeter Analog type 8 * mk-111 (Motawane make)	3	10012.5 0	30037.5 0
51	DG set 25 KVA	2	307160	614320
Grand Total =1956793.50				

Electrical Machines III Lab.

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	3 - Ph. A.C. Series Motor with Panel Board. (3 HP, 415 V, 50Hz, 1500-3000 RPM.)	1	29150	29150
2	A.C. Linear Induction Motor with Panel Board, Protected Type, Complete with DOL Starter. (0.5 HP, 415 V, 50Hz, 1500 RPM)	1	25860	25860
3	Schrage Motor with Panel Board, Poney Break. (3 - Ph, 3 HP, 415 V, 50Hz, 900-1800 RPM.)	1	39900	39900
4	DOL Starter of Schrage Motor with Ammeter, Voltmeter & Fuse Terminals (Control Panel for Schrage Motor)	1	5400	5400
5	Pole Changing Motor with Pole Changing Arrangement. (3 HP, 2-4 Poles, 440 V, 50Hz, 2800/1440 RPM.)	1	15800	15800
6	1 - Ph. A.C. Repulsion Motor with Panel Board, Protected Type. (1 HP, 230 V, 50Hz, 1500 RPM.)	1	9800	9800
7	1 - Ph. A.C. Repulsion Motor with Panel Board. (1 HP, 230 V, 50Hz, 1500 RPM.)	1	11600	11600
8	1 - Ph. A.C. Series Motor with Panel Board. (1 HP, 230 V, 50Hz, 1500 RPM.)	1	11600	11600
9	Ammeter - Portable :			
	a. 0-1-2 A : AC	10	800	8000
	b. 0-5-10 A : AC	10	800	8000
	b. 0-10-20 A : AC	10	800	8000
10	Voltmeter (MI) - Portable :(0 - 150 - 300 V)	10	800	8000
11	Voltmeter (MI) - Portable :(0 - 300 - 600 V)	10	800	8000
12	Wattmeter : 10 A / 300 -600 V	10	1350	1350
13	3 - Ph. Autotransformer - (15A,440 volt, close type)	1	9980	9980
14	Analog Multimeter	1	8900	8900
Grand Total =2,21,490				

Network Analysis Lab

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	Experimental kit for Norton theorem	1	1650	1650
2	Experimental kit for Reciprocate theorem	1	1450	1450
3	Experimental kit for Thevinin's theorem	1	1650	1650
4	Experimental kit for Kirchoff's law verification.	1	1850	1850
5	Experimental kit for Maximum power theorem	1	1850	1850
6	Experimental kit for Superposition theorem	1	1600	1600
7	Analog Multimeter	1	8900	8900
8	4 ½ Digital Multimeter, TRMS	5	12900	72562.5
9	Transistorised power supply(0-30v/2A)	02	3200	6400
Grand Total =				97912.50

Industrial drives and control Lab.

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	Oscilloscope Dual Trace 20 MHz	3	21900	65700
2	Bread Board	10	285	2850
3	Low Distribution signal Generator	2	7900	15800
4	Jone's chopper DC source, UJT Triggering circuit class D, commutation.	1	16500	16500
5	Morgan's Chopper	1	16500	16500
6	Characteristics of SCR	1	1900	1900
7	Characteristics of Triac	1	1900	1900
8	Characteristics of Diac	1	1900	1900
9	Half wave controlled rectifier	1	6800	6800
10	Different method of turning on of SCR	1	4700	4700
11	PWM inverter voltage source transistor IGBT	1	32800	32800
12	Forced commutation of SCR trainee kit suitable for demo Class ABCD type for commutation for thyrister	1	9800	9800
13	Experimental kit which include triggering circuit along with single phase full wave fully controlled converter system	1	6800	6800
14	Experimental kit which include triggering circuit along with single phase Half wave fully controlled converter system	1	6500	6500

15	Analog / Digital multimeter(model no 13 s 3.3/4" digits)	5	3875	19472
16	Dc Motor control using SCR Model 2031	1	6500	16536
17	SCR Motor controller for FHP Universal Motor Model 2002	1	8560	8560
18	Three phase Squirrel cage Induction motor, 1 Hp, 415V, 1440 rpm.	1	5900	6478
19	Systronic Dual Trace Oscilloscope 15 MHz	1	30452	30452
20	Characteristic of IGBT,Powercon make	1	11765.5	11765.5
21	Single phase series inverter, Powercon make	1	6551.5	6551.5
22	V-I characteristic of Thyristor, Triac & MOSFET , Kashtronica make	1	7042	7042
23	3 phase converter	1	15243.75	15243.75
24	Transistorized Bridge Inverter	1	10687.5	10687.5
25	Single phase half & full controlled converter	1	9675	9675
26	Single Phase Converter fed separately excited 1 Hp DC motor , Kashtronica make	1	21937.5	21937.5
27	Three Phase Converter fed separately excited 1 Hp DC motor , Kashtronica make	1	26437.5	26437.5
28	VSI fed 3 Phase Induction motor (with Motor & converter) to drive 1 HP induction motor fed from 3 phase AC supply through suitable converter , Kashtronica make	1	30375	30375
29	Close loop Speed control of 1 Hp Dc motor , Kashtronica make	1	21375	21375
30	Oscilloscope sm901 scientific make 30 MHz Power scope.	5	24499.90	134749.45
31	Electric Braking Of D.C. Shunt Motor 1 HP	1	49,590.0	55,788.75
32	Electric Braking Of 3 phase Induction motor 1 HP	1	61,190.0	68,838.75
33	Chopper fed D.C.Series Motor ¼ HP	1	28,420.0	31,972.5
34	3 Phase Closed Loop Speed Control Of I.M .1HP	1	74,820.0	84,172.5
Grand Total =				8,08,560.20

Control System Lab.

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	DC regulated Dual Power Supply 0-30V,1A	1	4000	4000
2	Single DC regulated power supply 0-30V,1A	5	3850	19250
3	Ac position servo stabilizer. Demonstrations unit	1	11800	11800
4	Regulated circuit set up, Load regulation study set up, Simple load varying arrangement.	1	4500	4500
5	Potentiometer as an error detector (7/8 to 5 1/2 inches India) wire wound type I/p & o/p potentiometer has 10 turns of helical pot with 0.1 % accuracy.	1	6350	6350
6	AC servo motor 230/110, 12V DC . DC supply for DC motor Density of material 7.9 gm / cm, Load control potentiometer = 500, 3 Watt. Speed control potentiometer = 10K ohm / 3 W, DPD switch shaft size = 75mm * 6mm, Rotor dimension = 25mm * 22mm	1	15200	15200
7	Function Generator, Sine, Square, Triangular, Pulse, Ramp & DC Output 0.1 Hz to 100KHz, Output (0-20V), DC voltage offset 0 to 5 testronics.	1	4050	4050
8	PID Controller programmable I/p, RTD /TC /0-10v. PID controller o/p. Proportional /PWM /4-20 mA, 0-10v, User programmable variable constant. Proportional Integral & Derivative Constants, Separate 2 segment LED display, for process value range 0 - 50 Degree.	1	15600	15600
9	Synchro (including both transmitter & Receiver pair) consist of dial resolution of 1 Deg. & suitable power supply.	1	12700	12700
10	Optical Encoder.	1	11000	11000
11	20 MHz, Sine Wave Signal Generator Model HM 5032.	3	13450	40350
12	AC Mill voltmeter : (100 - 300 mV)	3	4500	13500
13	DC Servomotor Speed - Torque Characteristics.	1	14200	14200
Grand Total =				1,72,500

Microprocessor lab

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	Educational Trainer Kit DYNA -86 # 1403/2010	1	6963	6963
	5BC -51# 2156 =Sale Tax	1	3647	3647
	Sale Tax		492	492
2	SMPS -03	2	1375	2750
3	Cables & connection Set	2	425	850
4	8085 Microprocessor Kit	3	6000	18000
	Keyboard PCAT	3	600	1800
	Power Supply SMPS	3	1200	3600
	8085 peripheral IC Study card			
	1.Peripheral /01-8259 Kit	1	1800	1800
	2.Peripheral /01-8255 Kit	1	1800	1800
	3.Peripheral /01-8253 Kit	1	1800	1800
	4.Peripheral /01-8279 Kit	1	1800	1800
5	8085 interfaced ADC –DAC cards Kit			
	1] Combined ADC ,DAC Card using ADC0809DAC 0808	1	1050	1050
	2] 26 Pins FRC cables	1	200	200
6	Stepper Motor & 12 v DC Motor			
	1] Stepper Motor & 12 v DC Motor	1	1950	1950
	2] 26b pins FRC	1	200	200
7	8085 applicable cord which based on process instruments			
	1] Temp. Control steady cord with mini 1cover 8 bit ADC ,8 Bit ADE	1	1950	1950
	2] 26 pins FRC cable	1	200	200
8	stepper motor I/F 89C51	01	2800	3150
9	D.C. Motor I/F 89C51	01	1800	2025
10	A)Interfacing with 8 bit ADC0809 With 89C51	01	1050	1181.25
	B) Interfacing with 8 bit DAC0808 With 89C51	01	1050	1181.25
11	8085 Microprocessor Trainer Kit, Model-LGS85, Make- Log sun	06	5000	30000
12	8051 Microcontroller Kit with LCD display and assembler	2	7000	14000
13	89c51 microcontroller trainer model LGSS51 with 16*2LCD display with power supply ,Keyboard, Necessary cable, & Software	2	7000	14000
Grand Total =				116389.50

Analog & Digital Electronics LAB.

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	Linear IC trainer model Agronic LICT1	2	4500	9000
2	Linear project board (Analog trainer kit) for basic and advance linear electronics	5	4303	21515
3	Power project board Model Agronic	2	4500	9000
4	Power project board trainer (bread board trainer)	2	4303	8606
5	2 MHz Function generator waveforms-sine , square , triangular, sjee,sine pulse, ramp , TTI , 20 vpp , max-amplitude , 2mv sensitivity , 20-40-60 db Attenuation, DC offset , sweep variable, 7 ranges to subject frequency, 3 & 112 digits, 7 segments	10	8437=50	84375
6	Dual Tracking power supply, ADROIT PS 3011 0 + - 32v / 1 A , continuous variable dual tracking Ripple < 1 MV , short circuit / overload protection , CV/CC NIDFM 7 segment LED display for separate DPM POR voltage & current .	5	7087.5	35437.50
7	Dual Tracking power supply , o/p voltage 0 + - 15 v / 2 A , continuous variable dual tracking Ripple < 1 MV , short ckt , overload protection, CV/CC mode 7 segment LED display for separate DPM POR voltage & current.	6	7200	43200
8	IC 78 XX & 79 XX voltage regulators	2	2980	5960
9	IC 273 as a high voltage regulators	1	3200	3200
10	Sequential timer using IC 555	2	3700	7400
11	8:1 multiplexer & 1: 8 demultiplexer	1	3900	3900
12	IC 273 as a low voltage regulators	1	2850	2850
13	Up down counter using IC 74192	02	3000	6000
14	Digital Multimeter 3 ½ Digit	11	2070	22770
15	Resistance decade box 1 ohms to 1.11111 mhos in 6 decades	1	1597	1597
16	DC power supply 0 to 30 volts at 0 to 1 Amps	8	3307.50	26460
17	Op-amp power supply (+, - 15 v)	10	1406	14060
18	Aplab preset modular dual tracking power supply	1	4224	4224
19	Digital stop watch	02	765	1530
20	Op-amp as a sine wave generator	02	1856	3712
21	555 Timer as a monostable Multivibrator	02	1631	3262
22	555 Timer as a Astable Multivibrator	02	1631	3262
23	I.C. Testing kit –Digital handheld IC Tester 20 pin	01	15187	15187
24	oscilloscope sm410 scientific make 30 MHz 2 channel with alternate & bandwidth of 60 MHz sr no 06103281 to 06103290	10	20350	203500
Grand Total =				540007.50

Computer programming lab

Sr. No.	Description Of Equipment	Qty	Rate	Cost
1	Computer-P-(IV), Branded HCL infinity Pentium 4 CPU-2.5 GHz, intel 845 GV-Intel Chipset Mother Board, 256MB DDR RAM, 40 GB HDD (7200RPM),Onboard(10/100)MBPS/Network Card, 1.44 MB FDD, 15" Coulor Monitor, HCL Multimedia, Internet Keyboard, 52*CD ROM Drive, HCL Scroll mouse with pad, Cabinet)	02	35100	70,200
2	Pentium -IV ,2.8 GHz,256 MB DDR RAM ,845.Intel Mother Board ,LAN Card 10/100 MBPS with boot ROM ,40 GB HDD 1.44 MB FDD ,15" Colour Monitor ,Multimedia Keyboard ,52 .CDROM 32 MB AGP card ,Scoll Mouse ,Multimedia Speakers ,440 W .CPU Nos : (CO33A111 4554-CO33A1114568)	12	26500	3,18,000
3	Computer-P-(IV), Branded HCL infinity Pentium 4 CPU-2.8 GHz, intel 845 GV-Intel Chipset Mother Board, 256MB DDR RAM, 40 GB HDD (7200 RPM),On board (10/100)MBPS/Network Card, 1.44 MB FDD, 15" SVGA Coulor Monitor, HCL Multimedia, Internet Keyboard, 52*CD ROM Drive, HCL Scroll and optical mouse with pad,Cabinet	13	26500	3,44,500
4	Computer-P-(IV), Branded HCL infinity Pentium 4 CPU-2.93 GHz, intel 915 GV-Intel Chipset Mother Board, 256MB DDR RAM, 40 GB HDD (7200 RPM),On board (10/100)MBPS/Network Card, 1.44 MB FDD, 15" SVGA Coulor Monitor, HCL Multimedia, Internet Keyboard, 52*CD ROM Drive, HCL Scroll and optical mouse with pad,Cabinet	03	24750	74,250
5	Computer-P-(IV), Branded HCL infinity Pentium 4 CPU-3.4 GHz, intel 945 Chipset Mother Board, 1GB DDR2 RAM, 80 GB HDD SATA, On board (10/100)MBPS/Network Card, 1.44 MB FDD, 17" TFT Coulor Monitor, HCL Multimedia, Internet Keyboard, 52*DVD Writer , HCL Scroll and optical mouse with pad, Cabinet	01	26800	26,800
6	HP Inkjet Printer ,HP PSC 1210 All in One Printer ,Scanner ,Copier	01	7800	7,800
7	D-link 16 port 10/100 mbps s/w	01	3900	3,900
8	EPSON Printre LQ -1070 model P6318,220-240,50Hz,0.4ADotmatrix Printer	01	4900	4,900
9	MatlabSoftware-India.Soft Technologies Licence NO. 294194 All Platform ,Concurrent Perpetual Term			
	1] Mat lab R	05	38478	1,92,390
	2]Simulink R	02	53742	1,07,484
	3]Control System Toolbox	05	15476	77,380
	4]Sim Power System	02	53742	1,07,484
	4 % Tax			19389.5
10	EPSON LX 300+ Dot matrix Printer	01	6400	6,400
11	Printer Laser Xerox make model no. 3122 series	01	8923	8,923
12	15kVA Three Phase online UPS	118	215000	2,15,000

13	MS Windows XP profesional	01	6135	6,135
14	MS Windows XP Home	09	4073	36,657
15	Quick heal antivirus	05	2100	10,500
16	Turbo C/C++ suite	10	2950	29,500
17	Microsoft Windows 2003 Enterprise Server	01	60000	60,000
18	Microsoft Office 2007 pro software academic license	01	4781	4,781
19	LCD Projector sony make	01	54990	54,990
20	HCL INFINITI Desktop with dual core processor	07	25800	1,80,600
			Grand Total =	19,67,963.00

COMPUTER ENGINEERING DEPARTMENT

1. Network Lab:

Sr. No.	Description	Qty	Rate	Total Cost
01	HCL Infinity Desktops Intel Pentium IV @ 3.4 GHZ Intel 945 Chipset Motherboard 1 GB DDR2 RAM Onboard 10/100 MBPS LAN 17 Inch TFT color Monitor DVD Writer 80 GB HDD SATA 1.44 FDD multimedia internet Keyboard scroll optical Mouse with pad cabinet.	24	26800	643200
02	D-Link 16 port 10/100 MBPS Switch	02	3900	7800
03	Scanner-4800 Xerox Make	01	3705	3705
04	Cisco router 1721	01	61900	61900
05	Modem	01	54600	54600
06	Modem ASM-20 Leased	01	9500	9500
07	Wan interface card	01	20000	20000
08	V-35 dte card	01	6000	6000
09	7.5 KVA stabilizer (Tejas Make)	01	13,000	13000

2.Project Lab:

Sr. No.	Description	Qty	Rate	Total Cost
01	HCL Infinity Desktops Intel Pentium IV @ 3.4 GHZ Intel 945 Chipset Motherboard 1 GB DDR2 RAM Onboard 10/100 MBPS LAN 17 Inch TFT color Monitor DVD Writer 80 GB HDD SATA 1.44 FDD multimedia internet Keyboard scroll optical Mouse with pad cabinet.	20	26,800	536000
02	Epson LQ-1150 Dot Matrix Printer	01	12,450	12450
03	Xerox Deskjet printer	01	8923	8923
04	UPS with 30 Min backup	01	4,700	4700
05	Laptop	01	41000	41000
06	16 port 10/100 MBPS D-link	01	36000	36000
07	7.5 KVA stabilizer(Tejas Make)	01	13,000	13000
08	HP Desktop Dx2480, based on latest Intel G33 Express chipset, processor support up to core2 quad, dual core E2180, 2.0 GHz, integrated 10/100/1000 NIC graphics media card & Ethernet controller, integrated Intel graphics media Accelerator WOL & PXE Boot ROM (for fast Networking) 160 GB HDD NCQ SMART 4 with 8 Mb cache memory DDR II 800 MHz Memory, 1 GB RAM Expandable up to 8 GB, 300 Watt Surge Tolerant power up to 2000 volt. 8 USB, DVD Writer, 1S, 1P, 2PS/2 1VG, 1 Mic-in, 1 RJ 2 PCI Express X16 Slot, HP 17" TFT LCD Monitor, OS free DOS.	05	24,500	1,22,500
09	SWQHL ADMIN CONSOLE 4.0 30 user 1 Year	01	12,981	12,981
10	SWQHL ADMIN CONSOLE 4.0 16 user 1 Year	01	6,922	6,922
11	SWQHL ADMIN CONSOLE 4.0 24 user 1 Year	01	10,385	10,385
12	Quick Heal total Security Antivirus with one year free updates from Internet	01	1,700	1,700
13	Quick Heal total Security Antivirus with one year free updates from Internet	01	1,700	1,700

3. Hardware Lab:

Sr. No.	Description	Qty	Rate	Total Cost
01	HCL Infinity Desktops Intel Pentium IV @ 3.4 GHZ Intel 945 Chipset Motherboard 1 GB DDR2 RAM Onboard 10/100 MBPS LAN 17 Inch TFT color Monitor DVD Writer 80 GB HDD SATA 1.44 FDD multimedia internet Keyboard scroll optical Mouse with pad cabinet.	01	26,800	26,800
02	Dyna 86 microprocessor Trainer kits	05	8,006.60	43,033.00
03	SMPS-03 switch mode power supply	05	1402.50	7012.50
4	Cable and connector set with keyboard. Cable with connector set with Keyboard.	05 05	433.50 785.40	2167.50 3927.00
5	Dyna 8255 study card	02	1227.49	3454.98
6	Dyna 8253 study card	02	2406.14	4812.28
7	Dyna 8251 study card	02	2436.99	4873.98
8	Dyna LBDR study card	02	2375.30	4750.60
9	ADC-01 Study Card	02	1419.01	2838.02
10	DAC-01 Study Card	02	1141.37	2282.74
11	Stepper motor study card	02	1141.37	2282.74
12	VHS 8086 Trainer kits	05	7800.00	39000.00
13	VHS 8279 kits	02	1800.00	3600.00
14	Stepper motor 12V,2KG CM2	02	1350.00	2700.00
15	DC regulated power supply 0-30 V,1 amp	15	4100.00	61500.00
16	Function generator	15	7400.00	111000.00
17	Dual trace CRO 30 Mhz	01	19100.00	19100.00
18	Digital Electronics Trainer kits VHS make	15	3600.00	54000.00
19	Digital IC power supply	15	1350.00	20250.00
20	Clock Pulsar	10	1650.00	16500.00
21	Logic probes	01	450.00	450.00
22	IC Tester (Universal)	01	39800.00	39800.00
23	Digital Multimeter	02	12900.00	25800.00
24	8051 Microcontroller kits(Logsun)	10	7000.00	70000.00
25	DSP starter kits (Texas)	02	36000.00	72000.00
26	Dyna 86 LCD trainer kits	05	18069.00	90345.00
27	Printer Epson-LX300, 80 col, 9Pin's	02	6,500	13000
28	Epson LQ-1150 Dot Matrix Printer	02	12540	25080
29	UPS with 30 min backup.	01	4700	4700

4. Internet Lab:

Sr. No.	Description	Qty	Rate	Total Cost
01	HCL Infinity Desktops Intel Pentium IV @ 3.4 GHZ Intel 945 Chipset Motherboard 1 GB DDR2 RAM Onboard 10/100 MBPS LAN 17 Inch TFT color Monitor DVD Writer 80 GB HDD SATA 1.44 FDD multimedia internet Keyboard scroll optical Mouse with pad cabinet.	20	26,800	5,36,000
02	Xerox Deskjet printer	01	8923	8923
03	Epson LQ-1150 Dot Matrix Printer	01	12,450	12450
04	16 port 10/100 MBPS D-link	01	36000	36000

5. Multimedia Lab:

Sr. No.	Description	Qty	Rate	Total Cost
01	HCL Infinity Desktops Intel Pentium IV @ 3.4 GHZ Intel 945 Chipset Motherboard 1 GB DDR2 RAM Onboard 10/100 MBPS LAN 17 Inch TFT color Monitor DVD Writer 80 GB HDD SATA 1.44 FDD multimedia internet Keyboard scroll optical Mouse with pad cabinet.	13	26,800	348400
02	HCL Infinity Desktops Intel Pentium IV Dual core processor @ 3.0 GHZ Intel 31 Chipset Motherboard 1 GB DDR RAM Onboard 10/100 MBPS LAN 17 Inch TFT color Monitor DVD Writer 80 GB HDD SATA 1.44 FDD multimedia internet Keyboard scroll optical Mouse with pad cabinet.	07	25,800	180600
03	Xerox Deskjet printer	01	8923	8923
04	Epson LQ-1150 Dot Matrix Printer	01	12,450	12450
05	7.5 KVA stabilizer (Tejas Make)	01	13,000	13000
06	UPS system tubes online pure sine wave 1KVA capacity, UPS+Importal sealed maintenance free, Hitachi batteries to support computer load for 25 to 30 min. backup	01	29000	29000
07	LCD Projector	01	45214	45214
08	16 port 10/100 MBPS D-link	01	36000	36000

6. Linux Lab:

Sr. No.	Description	Qty	Rate	Total Cost
01	HCL Infinity Desktops Intel Pentium IV @ 3.4 GHZ Intel 945 Chipset Motherboard 1 GB DDR2 RAM Onboard 10/100 MBPS LAN 17 Inch TFT color Monitor DVD Writer 80 GB HDD SATA 1.44 FDD multimedia internet Keyboard scroll optical Mouse with pad cabinet.	18	26,800	482400
02	Xerox Deskjet printer	01	8923	8923
03	Epson LQ-1150 Dot Matrix Printer	01	12,450	12450
04	5KVA Stabilizer	01	9000	9000
05	Servo voltage stabilizer, single phase, 7.5 KVA over and under voltage, overload protection manual and auto load operation	01	11,000	11,000
06	16 port 10/100 MBPS D-link	01	36000	36000

7. Software Lab:

Sr. No.	Description	Qty	Rate	Total Cost
01	HCL Infinity Desktops Intel Pentium IV @ 3.4 GHZ Intel 945 Chipset Motherboard 1 GB DDR2 RAM Onboard 10/100 MBPS LAN 17 Inch TFT color Monitor DVD Writer 80 GB HDD SATA 1.44 FDD multimedia internet Keyboard scroll optical Mouse with pad cabinet.	30	26,800	80,4000
02	Xerox Deskjet printer	01	8,923	8,923
03	Epson LQ-1150 Dot Matrix Printer	02	12,540	25,080

04	UPS with 30 min backup.	01	4,700	4,700
05	UPS with 30 min backups for 40 Pc's.	01	21,5000	21,5000
06	16 port 10/100 MBPS D-link	01	36,000	36,000
07	8 port 10/100 MBPS D-link	01	5,400	5,400
08	Deskjet 1210 Printer HP Maker	01	4,850	4,850

Computing Facilities

Computer Facilities for the existing programme(s)

19. Computer Facilities for the existing programme(s)

S.No	Particulars	Requirements as per Norms (1:4 all undergraduate UG Programmes and 1:2 for MBA/MCA/ PGDM/ PGDBM)		Availability	
1.	No of Computer terminals	Engg-281 MBA-60		436+40 (HP server) = 476	
2.	Hardware Specification	HCL & HP Make Computers with 1GB RAM, 120 GB HDD, 17" TFT			
3.	No of terminals of LAN/WAN			350	
4.	Relevant Legal Software	Application 04	System 02	As below	As below
	<p>Application Software</p> <p>1) Rational Rose =10 2) MS.Visual Studio =02 3) Visual Studio Net=15 4) Cos mos=01 5) Access Campus=01 6) (CAM works)2003=01 7) Turbo C, C++=100 8) MATLAB=20 9) PROLOG=15 10) Oracle 10 G=15 11) 3D MAX=5 12) Director MX=05 13)VRML =10 14) TASM= 30 15)Quick Heal=80 16) Chem.CAD=1User-25users on N/W 17) Catia Educational VS-R-15 (01 Licence) 18) Idea 9(01Licence) 19) Solid work 200 20) CAM works 21) Pro-E Wildfire(perpetual licenses)=5 licenses 22) Microsoft office Xp =8 23) Win Runner=1 24. AUTO CAD 2009 = 20 LICENCES 25.AUTO desk Inventor=10 licenses</p> <p>System Software</p> <p>1) Win- 98=37 2) Win NT=25 3) Win 2003 =30 4) Win XP- Professional = 65 ,Home=45 5) Novel Net ware 5.2= 25 user 6) MS Vista=100 nos 7) MS 2003=5 nos(25 User each)</p>				
5.	Peripheral(s)/ Printers			As below	
	<p>Printer</p> <p>1) Epson LX-300 =05 2) Epson LQ-1070+=2 3) Epson LQ1150=26 4) HP Desklet =06 5) HP Laser printer=04 6)Xerox Printer= 09 7) HP colour laser jet = 01 8) Canon laser printer =02 Total =50</p> <p>1) Scanner = 03 2) Web camera=03</p> <p>Stabilizers :</p> <p>1) Tejas 7.5 KVA -06 2) Tejas 5 KVA -04 3) Tejas 2 KVA -02 4) Tejas 1 KVA - 07 5) 1 KVA CVT - 01 6) Stabilizer –1 KVA- 02 (Electrolyte)</p> <p>UPS</p> <p>1) Tejas 1 KVA - 08 2) Champion 1 KVA -05 3) 1 KVA online -01 4) 10 Min. 0.5 KVA- 02 5)1 KVA 4-5 hrs backup time with batterises-2 Nos = 01 6) 600 KVA 15-20 Min.backup =05 7) 15 KVA =5 nos (30 Min. Backup)</p>				

6.	Internet Accessibility (in kbps & hrs)	512 kbps broad band backup 2 mbps lease line
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Whether the computer facilities are suitable for the existing programmes ?

Yes

No

• **Workshop**

1	Machine section	1)P.S.G Lathe machines 2) Turner 3) Shaping Machine 4) Milling Machine 5) Bench Grinder 6)hydraulic Power Hacksaw	8 4 1 1 1 1
2	C.N.C. and Cam Software(Cam works)	1) C.N.C Milling Center 2) Cam Works	1 1
3	Welding section	1) A.C. Transformer 3 Phase 2) Abrasive cutting machine 3) Single Phase Welding Machine	2 1
4	Tin Smithy	1) Sheet rolling Machine 2) Edge folding machine 3) Hand operated circular cutting machine 4) spot welding machine 5) leg sharing machine 6)Spray painting unit with compressor 7) hand lever shearing machine	1 1 1 1 1 1 1
5	Fitting section	1)Pillar drill machine 2) Hand Drill Machine 3) Bench Grinder	1 1 1
6	Black smithy section	1)Furnace with one blower	3
7	Carpentry section	1) Thickness planner 2) Wood turning lathe 3) Circular saw 4) Band saw 5) Tenoning and mortising machine 6) Jig saw machine	1 2 1 1 1 1

• **CAD/ CAM:-**

Sr.No.	Particulars	Availability
1.	No of Computer terminals	30
2.	Hardware Specification	PIV 1.8 GHz 815 Intel Chip set 40 GB seget 7200 rpm 256 MB Ram
3.	Relevant Legal Software	CATIA Educational V – 5 R15 Ideas 11 NX Solid work 2001 CAM works COS MOS Works Windows XP Home edition & Windows XP Professional, Turboc C++ suite PRO/Engineer Wildfire-3 AUTO CAD-2009-20 Users Auto Desk Inventor 2008 Quick Heal Antivirus

GAMES AND SPORTS FACILITIES

Institute has good sports infrastructure. It Provides all the sport facilities to the students. Facilities include Cricket ground, Volley Ball ground, Indoor Games, such as Badminton, Table Tennis , Chess, Carom, Basket ball etc. Students are sponsored for participation in university levels sports competition. Also at College level sports meet is organized were students from all classes takes part.

A Specius Indoor Stadium of Nationoal standard for all Indoor sports events is available. A total cost of this building is Rs. 1.60 cores & the area is 34464.00 Sq.ft. The work of indoor stadium is completed. All the indoor sports facilities are available for the students from Jan. 2006.

Extra Curriculum Activities

The College has implemented Earn & Learn Scheme from 2000-2001. Under this scheme work is provided to needy student in library, laboratories, hostel of institute. The needy students work in their spear time and earn around Rs. 800/- per month. The scheme has good response from the students and the academic performs of the students is also very good. Fourteen students are taking advantage of this scheme during the current academic year.

National Service Scheme (N.S.S.)

The institute has N.S.S. unit of hundred students. The as per motto of N.S.S., the institute is not only producing engineers but also good citizens. Ten days winter camp and social program like blood donation camp, tree plantation, celebrating the anniversaries of national heroes are organized. The activity is the best linking between the technical institute and rural societies.

Annual Social Gathering

To give the platform for the students, to expose their hidden talent, Annual Social Gathering is organized every year. Along with academic, Extra curricular activities are also important to produce an all rounder engineer. Sports, cultural programs are arranged on the occasion of gathering e.g. debate, funfair, Quiz Competition , Fishponds, Funny Games, Dance Competition etc.

Soft skill Development facilities

Students Associations :- With proper grooming provided by the college, the students Associations belonging to the various department have mushroomed and have been very much successful in presenting it at a professional level. The fundamental aim of this associations, is to unearth the hidden talent in the students and provide them with a platform to exhibit the same.

Objectives :-

- Serves as the common platform for all students belonging to the department, to come together,
- to take up various activities
- Better sharing of ideas, knowledge, leading to efficient Information Exchange.
- Boosting the confidence of students.
- Enhancing Communication skills - verbal and written.
- Making them aware of latest technologies,
- Improving the overall personality.

Details of Instructional area available:-

Particulars	Number of rooms	Requirement as per norms		Carpet area of each room	
		Requirement as per norms	Available in the institution	Requirement as per norms (Sq.M.)	Available in the Institution (Sq.M)
Class Rooms	15				
Tutorial Hall	04	20	66	1469.35	
Drawing Hall (*)	02	04	22	198.13	
Computer Centre	01	03	175	494.88	
Library	01	02	150	215.00	
Laboratories & workshops	38	01	450	982.05	
	8 Shops	44	50 To 2000	4399.11	
Total		8 Shops	900	945.40	
Particulars	Number of rooms				8703.92

- Number of Computer labs with Capacity of each**

Sr. No.	Discipline	Capacity
1.	E&TC Eng.	60
2.	Mechanical Engg.	33
3.	Electrical Engg.	38
4.	Chemical Engg.	16
5.	Computer Engg.	120
6	MBA	33
7.	Information Technology	40

- Central Examination Facility, Number of rooms and capacity of each: - Existing class rooms are used for examination.
- Curriculum and syllabus for each of the programmes as approved by the University. :- PL See Appendix – B

F.E. (Common to All Branches) 2008 Structure (w.e.f.June- 2008)

Part - I

CODE	SUBJECT	TEACHING SCHEME			EXAMINATION SCHEME				
		Lect.	Tut.	Pract./Drg.	paper	TW	Oral	Pra.	Total
107001	Engineering Mathematics-I	4	-	-	100	-	-	-	100
107002	Applied Science-I	4	-	2	100	25	-	-	125
110003	Fundamentals of Programming Language	1	-	2	-	50	-	-	50
103004	Basic Electrical Engineering	3	-	2	100	25	-	-	125
101005	Basic Civil & Environmental engineering	3	-	2	100	25	-	-	125
102006	Engineering Graphics-I	3	-	2	100	-	-	-	100
111007	Manufacturing Practices	-	-	2	-	25	-	-	25
Total Of Part - I		18	-	12	500	150	-	-	650

Part - II

CODE	SUBJECT	TEACHING SCHEME			EXAMINATION SCHEME				
		Lect.	Tut.	Pract./Drg.	paper	TW	Oral	Pra.	Total
107008	Engineering Mathematics-II	4	-	-	100	-	-	-	100
107009	Applied Science-II	4	-	2	100	25	-	-	125
101010	Engineering Mechanics	3	-	2	100	25	-	-	125
104011	Basic Electronics Engineering	3	-	2	100	25	-	-	125
102012	Engineering Graphics-II	1	-	2		50	-	-	50
102013	Basic Mechanical Engineering	3	-	2	100	25	-	-	125
	Communication Skill *	-	-	2	-	-	-	-	-
Total Of Part - II		18	-	12	500	150	-	-	650

- Communication Skill: Practical will be conducted by respective department, hence no subject code is allotted.

Chemical Engineering

Structure for SE Chemical Engineering -2008 Course

SE TERM – I

Subject Code No.	Subject	Teaching Scheme			Examination Scheme				Total
		Theory	Practical	T/W Drawing	Paper	Practical	Oral	TW	
209341	Chemistry –I	4	4	2	100	50	--	--	150
209342	Fundamentals of Chemical Engineering	1			--	--	--	50	50
209343	Chemical Engineering Fluid Mechanics	3	2		100	50	--	--	150
209344	Chemical Engineering Materials	3	2		100	--	50	--	150
209345	Process Calculations	4			100	--	--	--	100
209346	Technical Communication	1	2			--	--	50	50
207004	Engineering Mathematics	4			100	--	--	--	100
	Total	20	10	2	500	100	50	100	750

TERM – II

Subject Code No.	Subject	Teaching Scheme			Examination Scheme				Total
		Theory	Practical	T/W Drawing	Paper	Practical	Oral	TW	
209347	Chemistry –II	4	4		100	50	--	--	150
209348	Heat Transfer	4	2		100	50	--	--	150
209349	Principle of Design	3	--	2	100	--	--	50	150
209350	Chemical engineering Thermodynamics	3	--	--	100	--	--	--	100
209351	Mechanical Operations	4	2	--	100	50	--	--	150
211353	Workshop Practice	--	2	--	--	--	--	50	50
	Industrial Training I (to be evaluated in Fifth semester)	--	--	--	--	--	--	--	--
	Total	18	10	2	500	150	--	100	750

TE-I

CODE	SUBJECT	TECH.			EXAMINATION			
		LT.	PR.	TW.	TW.	TH.	PR.	OR.
309341	CEM	04			--	100	---	--
309342	MT-I	04	02		25	100	50	--
309343	PIIA	03	02		--	100	--	50
309344	PED-I	04	--	04	25	100	--	50
309345	CET-II	03	--		--	100	--	--
309346	CACHE-I		04		50			--
	TOTAL	18	08	04	100	500	50	100