COLLEGE OF ENGINEERING AND TECHNOLOGY,
BAMBHORI POST BOX NO. 94, JALGAON – 425001. (M.S.)

NBA Accredited

Website : www.sscoetjalgaon.ac.in Email : sscoet_jal@sancharnet.in

Mandatory Disclosure

Part-I

November 2009

SSBT's College of Engineering & Technology, Bambhori, Jalgaon.

Mandatory Disclosure

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Shram Sadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY,
BAMBHORI POST BOX NO. 94, JALGAON – 425001. (M.S.)

Website- www.sscoetjalgaon.ac.in
Email: sscoet_jal@sancharnet.in
Phone No. (0257) 2258393.
Fax No. (0257) 2258392.

Ref. No. COET/AICTE/MD/ / 09 **Date:**

C E R T I F I C A T E

Certified that all enclosures contained in PART-I , PART-II & PART-III bearing page no. **01** to page no. **1207** are pertaining to our institution which are being submitted in two separate above mentioned bound booklets/box file of Mandatory Disclosure. All xerox copies may be treated as original.

PRINCIPAL

MANDATORY DISCLOSURE

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 30th April 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	**SSBT's College of Engineering & Technology, Bambhori Jalgaon.**	
Address	Post Box No. 94 , Jalgaon (Maharashtra State)	
Pin Code	425 001	
Phone No.	(0257) 2258393	
Fax No.	(0257) 2258392	
Web site	www.sscoetjalgaon.ac.in	E-Mail: sscoet_jal@sancharnet.in

II. NAME & ADDRESS OF THE DIRECTOR

Name	**Dr. Rakesh Mowar**
Designation	**Principal**
Address	A-7, Staff Quarter, C.O.E.T. Campus Bambhori, Jalgaon
STD Code With Phone No.	0257 – 2258355 (R)
Fax No.	0257- 2258392 (O)
E-mail	rakeshmowar_05@yahoo.co.in

III. NAME OF THE AFFILIATING UNIVERSITY

Name	**North Maharashtra University, Jalgaon**		
Address	**Umavi Nagar, Post Box No.80, Jalgaon Dist. Jalgaon** **Pine Code :- 425 001.**		
Phone No.	**(0257) -2258428 to 38**		
Fax No.	**(0257) 2258406**	**E-Mail**	**Nmunijal_jal@sancharnet.in**

		Web site	www.nmu.ac.in

IV] GOVERNANCE

* **Members of the Board and their brief background.**

Shram Sadhana Bombay Trust (Phone No. 022-26435608/24950888) is the promoting body of the College of Engineering and Technology, Bambhori, Jalgaon. The trust is a charitable organisation registered with Charity Commissioner Bombay vide registration number E-6942 dated 12 Oct. 1978 and status of registration is current and valid. The trust strives to enhance human productivity through various welfare measures and is a leading light in educational research.

Brief background of the promoters are as follows :-

1.	Shri. Rajendrasing D. Shekhawat	Managing Trustee	Industrialist .
2.	Shrimati Paravti Chorge	Trustee	Social Worker
3.	Shrimati Lata Karamsot	Trustee	Social Worker.

* Shram Sadhana Bombay Trust has entrusted the responsibility of running the college to the Board of Governors who are the apex decision making body. The members of the Board are as under.:-

1.	Dr. D. R. Shekhawat	Chairman	Educationist
2.	Shri. V. R. Phadnis	Member	Journalist
3.	Shri. Jayesh Rathore	Member	Technocrat
4.	Shrimati Jyoti Rathore	Member	Engineer & Social Worker.
5.	Shri. Rajendrasing D. Shekhawat	Member	Industrialist
6.	Dr. Rakesh Mowar	Ex Officio Secretary	Principal

* **Members of Academic Advisory Body.**

Academic Advisory Body is constituted of following members :-

1.	Dr. Rakesh Mowar	Chairman	Principal
2.	Dr. R.H. Gupta	Member	Academic planning
3.	Dr. K.S. Parihar	Member	Director, Academic & R.& D.
3.	Dr. K. S. Wani	Coordinator	Academics R &D.
4.	All Heads of Departments	Members.	

*** Frequency of Board Meeting and Academic advisory Body.**

Governing Body meets once in six months and gives broad direction keeping in view the vision of the Trust which is to provide and promote an affordable, accessible quality higher education with emphasis on technology development .

Academic Advisory Body meets once in a quarter or earlier to check compliance of direction given by Governing Body and steer and resolve academic issues which come up during academic session.

* **Organisational Chart and Processes**

The style of management is integrative, participative and consultative at every decision making stage. Duties and responsibilities of various functionaries are well laid down. The organisational chart clearly depicts the flow of authority, responsibility and accountability. Hence the decision making process is transparent.

* **Nature and Involvement of faculty and Students in Academic Affairs and Improvements.**

Extent of faculty involvement in academic affairs is governed at three levels . Principal meets all Heads of Department every month to take stock of academic progress, course coverage activities. A more detailed interaction of faculty is held fortnightly under direction of Coordinator Academics. Heads of Department are on daily contact with respective faculty, attend their class, offer guidance on teaching skill and methodology beside weekly meeting with all faculties on weekly academic performance, identifying deficiencies and suggesting means to improve upon the same.

Every student gives feedback on all relevant subjects with regard to syllabi, course content, degree of difficulty, if any, in assimilation of the subject and suggestion on improvement. Students have direct access to any faculty, heads of department, coordinator academics and Principal to make suggestion on academic subject.

* **Mechanism /Norms & Procedure for Democratic & Good Governance.**

As mentioned earlier, Apex decision making body is the Board of Governor who decides and give broad direction. Governing Body has nominated local committees i.e.

Local Management cum Finance Committee, Hostel Committee, Grievance Redressal Committee and Academic Advisory Committee which meet once in a quarter or earlier to check compliance of direction given by Governing Body. Day to day operation of the college is managed by Principal and other appointed staff. Various Local Management Committees are well represented by both teaching and non teaching staff who effectively participate in the respective proceedings and help in observance of democratic and good governance practice of the college.

* **Student feedback on Institutional Governance/Faculty Performance**.

A committee of three Heads of Department under guidance of Coordinator Academics and Principal meets students of all classes in each department and takes feedback on teaching methodology and performance of faculties as perceived by them. This process takes place twice in a semester. The feedback is scrutinized and analysed with a view to improve faculty performance.

* **Grievance Redressal Mechanism for Faculty, Staff and Students**.

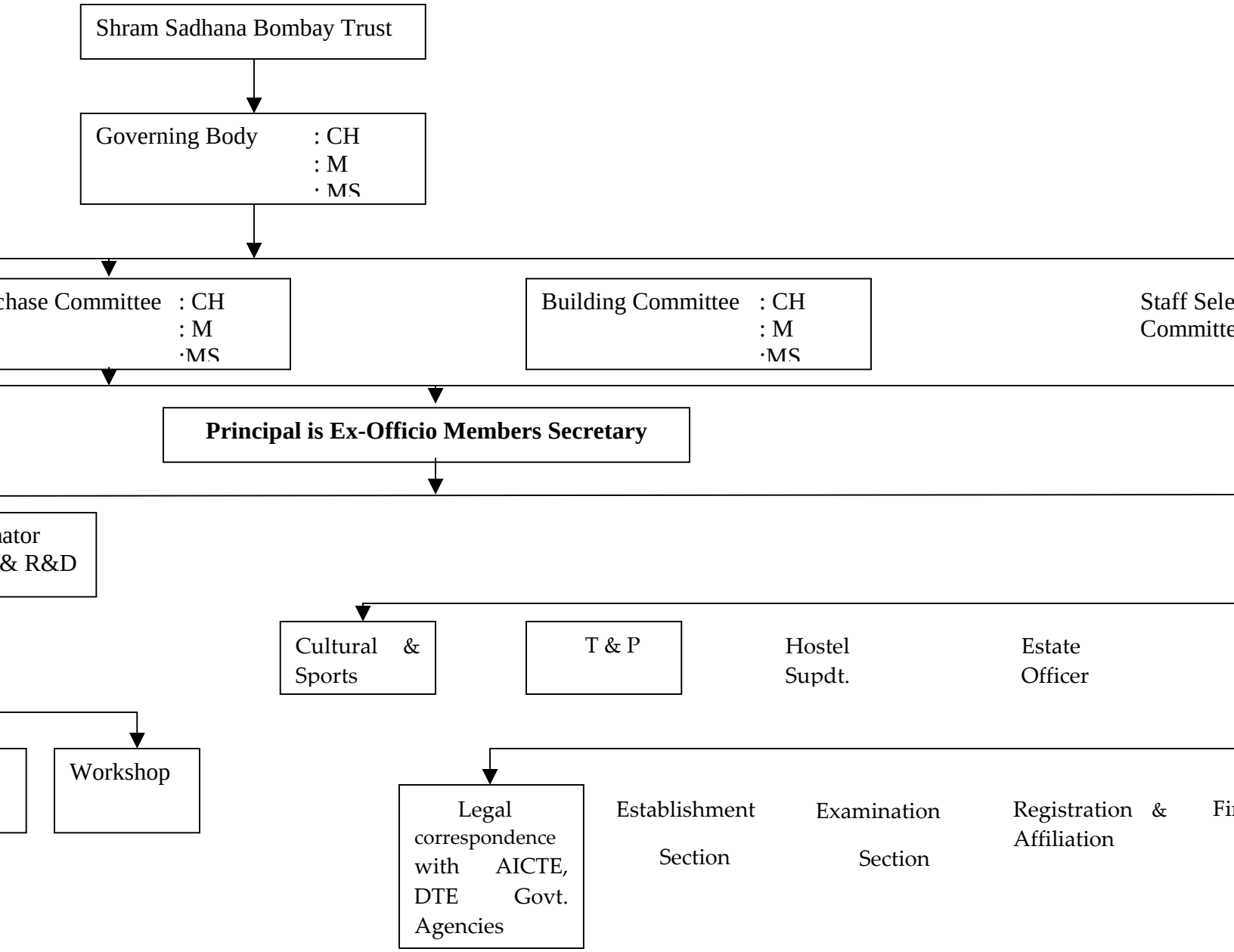
Transparent management and administrative policy is by itself aids the redressal process in the college. The organisational chart gives out clear flow of authority and responsibility on both academic and administrative front. Faculty, Staff and Students are thus clear of the various processes and policies and can approach any functionary with any supposed difficulty which need to be resolved. There are suggestion boxes placed at vantage points for all personnel to drop their ideas in confidence which are looked into with all seriousness.

* **Grievance Redressial Mechanism as per affiliating University.**

The vigilance committee is constituted and is functioning as per the guidelines of affiliating university and is functioning with Principal as Chairman and members as follows.:-

1. One Representative of Management.
2. Two Professors
3. One lady teacher
4. Two Students – One gents student and one lady student.
5. One Police Officer, Inspector, Paldhi Police Station by Virtue of office.

Also grievance cell is functioning in the college. The students grievances are looked into by the H.O.D. Concerned, Principal and if needed, they are referred to the management for appropriate decision. For Hostel the students approach the Rectors (Girls' Hostel and Boys' Hostel) and then they are referred to the Principal for appropriate decision.



s constituted by GB.
Science.

V. PROGRAMMES: ENGINEERING & TECHNOLOGY

A) Name of the Programmes approved by the AICTE 2009-2010

Sr.	Course Name	Number of seats	Duration	Approved by AICTE
	UG Courses			
1	Civil Engineering	60	4 Years	Yes
2	Chemical Engineering	30	4 Years	Yes
3	Computer Engineering	120	4 Years	Yes
4	Mechanical Engineering	120	4 Years	Yes
5	Electrical Engg.	60	4 Years	Yes
6	Electronics and Tele-comm. Engg.	120	4 Years	Yes
7	Information Technology	60	4 Years	Yes
8	Bio-Technology	30	4 Years	Yes
	Total	**600**		
	PG Courses			
1	ME Civil (Environmental Engg.)	18	2 Years	Yes
2	ME Mechanical (Machine Design)	18	2 Years	Yes
3	ME E&TC (Digital Electronics)	18	2 Years	Yes
4	ME Computer Science & Engg.	18	2 Years	Yes
	Total	**72**		
	Management course			
	MBA	60	2 Years	Yes
	Total	**60**		
	Total Intake	**732**		

B) Name of the Programmes Accredited by the AICTE

Sr.	Course Name	Number of seats	Duration	Approved by AICTE	NBA Accredited for 5 years w.e.f. 19/07/2008 vide letter no. NBA/ACCR-414/2004/19.07.08
1	Civil Engineering	60	4 Years	Yes	Accredited
2	Chemical Engineering	30	4 Years	Yes	Accredited
3	Computer Engineering	120	4 Years	Yes	Accredited
4	Mechanical Engineering	120	4 Years	Yes	Accredited
5	Electrical Engg.	60	4 Years	Yes	Accredited
6	Electronics and Tele-comm. Engg.	120	4 Years	Yes	Accredited
7	Information Technology	60	4 Years	Yes	Accredited

C) Cut off mark/rank for admission during the last three years

Year 2007-2008

Sr.	Branch	Sanction Intake	Duration	Cut off Mark/rank	Tuition Fee
1	Chemical Engineering	30	4 years	46.66	Rs. 37520
2	Civil Engineering	30	4 years	45.66	Rs. 37520
3	Computer Engineering	90	4 years	46.00	Rs. 37520
4	Mechanical Engineering	90	4 years	49.00	Rs. 37520
5	Electrical Engg.	30	4 years	49.33	Rs. 37520
6	E & TC Engg.	120	4 years	47.00	Rs. 37520
7	Information Technology	40	4 years	47.66	Rs. 37520
8	Bio-Technology	30	4 years	46.00	Rs. 37520
	PG Courses				
1	ME Civil (Environmental Engg.)	18	2 years	51.93	Rs. 40000
2	ME Mechanical (Machine Design)	18	2 years	17.40	Rs. 40000

Year 2008-2009

Sr.	Branch	Sanction Intake	Duration	Cut off Mark/rank	Tuition Fee
1	Chemical Engineering	30	4 years	50.66	Rs. 39230
2	Civil Engineering	30	4 years	51.66	Rs. 39230
3	Computer Engineering	120	4 years	50.83	Rs. 39230
4	Mechanical Engineering	120	4 years	52.33	Rs. 39230
5	Electrical Engg.	60	4 years	45.33	Rs. 39230
6	E & TC Engg.	120	4 years	56.16	Rs. 39230
7	Information Technology	60	4 years	52.66	Rs. 39230
8	Bio-Technology	30	4 years	54.33	Rs. 39230
	PG Courses				Rs. 39230
1	ME Civil (Environmental Engg.)	18	2 years	64.85	Rs. 39230
2	ME Mechanical (Machine Design)	18	2 years	17.84	Rs. 39230
3	MBA	60	2 years	45.00	Rs. 45600

Year 2009-2010

Sr.	Branch	Sanction Intake	Duration	Cut off Mark/rank	Tuition Fee
1	Chemical Engineering	30	4 years	50.33	Rs. 48246/-
2	Civil Engineering	60	4 years	50.00	Rs. 48246/-
3	Computer Engineering	120	4 years	45.00	Rs. 48246/-
4	Mechanical Engineering	120	4 years	47.66	Rs. 48246/-
5	Electrical Engg.	60	4 years	51.66	Rs. 48246/-
6	E & TC Engg.	120	4 years	45.33	Rs. 48246/-
7	Information Technology	60	4 years	45.66	Rs. 48246/-
8	Bio-Technology	30	4 years	50.33	Rs. 48246/-
	PG Courses				
1	ME Civil (Environmental Engg.)	18	2 years	52.00	Rs. 45090
2	ME Mechanical (Machine Design)	18	2 years	54.06	Rs. 45090
3	ME E&TC (Digital Electronics)	18	2 years	58.00	Rs. 45090
4	ME Computer Science & Engg.	18	2 years	60.00	Rs. 45090
3	MBA	60	2 years	40.00	Rs. 45600

D) Placement Facilities

a) Training & Placement Cell: SSBT's C.O.E.T., Bambhori, Jalgaon has an independent T & P Cell devoted to cater to the needs of organisations in conducting campus interviews for placements. It is headed by Training & Placement Officer & departmental staff and Student Coordinators lead a team of placement representatives from various courses of study assist the Cell.

The cell has the following facilities:

i) Separate Internet connection, computers, laser printer, scanner for office automation.

ii) Separate lounge for industrialist and visitors.

iii) Newspaper, magazines, etc.

iv) All audio/video facilities for presentations, written test, group discussions and interviews.

b) T & P Activities:

i) Campus Interviews

ii) Industrial Training

iii) Industrial Visits (Students & TPC members)

iv) Expert Lectures

v) Industrial Meet

vi) Job-Oriented Courses

vii) Deputation of faculty members to various training programs.

viii) Mock competitive exams, Interviews, Group Discussions, etc.

ix) Personality development programme.

x) Alumni meet.

xi) Entrepreneurship development programme.

D) Campus placement in last three years with minimum salary, maximum salary and average salary

BRANCH/YEAR	Chemical	Civil	Computer	Electrical	E&TC	IT	Mech	Prod	Total
2008-09	04	00	05	05	08	02	08	--	32
2007-08	01	00	08	02	05	00	12	--	28
2006-07	08	05	13	05	19	09	19	--	78

3. MINIMUM SALARY: Rs. 1,20,000/-

4. MAXIMUM SALARY: Rs. 3,00,000/-

5. AVERAGE SALARY: Rs. 2,10,000/-

- Name and duration of programme(s) having affiliation/collaboration with Foreign University(s)/Institution(s) and being run in the same Campus along with status of their AICTE approval. If there is foreign collaboration, give the following details: Details of the Foreign Institution/University:

NA

- For each Collaborative/affiliated Programme give the following:

NA

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

NA

Discipline wise existing faculty for the Institution (Please give Department wise information of _Existing faculty members in all the course (s) on the date of submitting the application.

Annexure III (A)

Name of the Course	Sr N0	Name (s) Of the Teaching Faculty	Designation (Lecturer) Asstt. Professor	Qualifications with field of Specialization.			Date of Birth	Experience a) Teaching b) Industry c) Research			Date of joining the institute	Pan. No.	Pf. No MH50148/	Basic +DP & Gross Salary pay as on 30/09/2009
				UG	PG	Ph.D.		A	B	C				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Principal														
	01	Dr. Rakesh Mowar	Principal & Professor	Civil Engg.	Soil Mech. & Found. Engg. (Geotechnology)	Civil Engg.	13-10-1953	27.6	1.8	--	13.09.1989	ACCPM6506H	68	B=35100/- G=55156/-
A) Existing Faculty														
PG Level Civil Engg.	01	Dr. M. Husain	Prof. & I/C HOD	Civil Engg	Environmental Engg.	Solar Energy	05.12.69	13	--	--	15.07.96	ABCPH4558D	305	B=27300/- G=43953/-
	02	P.A. Shirule	Asst. Prof.	Civil Engg.	Environmental Engg.	--	07.06.73	11.6	01	--	03.07.00	AAATS0310D	378	B=18630/- G=28877/-
UG Level Civil Engg.	01	S B Pawar	Asst. Prof.	Civil Engineering	Construction Management	_	5-10-1966	19	1.6	--	15.1.1991	ABAPP3094Q	46	B=25560/- G=39618/-
	02	S L Patil	Selection Grade	Geology	Geology	--	1-1-1962	21	--	--	1.7.1988	AAYPP8955O	17	B=21780/- G=33170/-
	03	J.N.Kale	Sr. Lecturer	Civil Engineering	--	_	25/12/1965	.1.6	18	--	01.01.2008	--	--	B=15000/- G=23250/-
	04	Nilesh Fegade	Lecturer	Civil Engg.	--	--	13.07.76	2.2	04	--	01.08.07	--	--	B=12000/- G=12000/-

First Year Engg.	01	F.I. Chavan	Sr. Lecturer	Civil Engg.	Environmental Engg.	--	13.05.74	11	--	--	12.07.00	AFXPC 4580K	418	B=15975/- G=24762/-
	02	Bharati Mahajan	Lecturer	Civil Engineering	Environmental Engg.	_	22-03-1979	05	01	--	09.01.2007	--	609	B=12413/- G=19241/-
	03	Sonali B. Patil	Lecturer	Civil Engg.	--	--	28.11.79	03	--	--	01.02.08	--	621	B=12413/- G=19241/-
	04	J.A. Pardeshi	Lecturer	Civil Engg.	--	--	25/10/1982	1.0	1.0	--	01/08/2007	--	--	B=15000/- G=15000/-
	05	Ms.Jyoti R. Mali	Lecturer	Civil Engg.	Environmental Engg.	--	23/04/1971	02	--	--	25/09/2009	--	--	B=12000/- G=12000/-

Name of the Course	Sr N0.	Name (s) Of the Teaching Faculty	Designation (Lecturer) Asstt. Professor	Qualifications with field of Specialization.			Date of Birth	Experience a) Teaching b) Industry c) Research			Date of joining The institute	Pan. No.	Pf. No. MH50148/	Basic Pay +DP& Gross Salary pay as on 30/09/2009
				UG	PG	Ph. D		A	B	C				
PG Level Mech. Engg.	01	Dr. N. V. Halegowda	Prof. & HOD	BE. Mech	ME Adv. Prod. System.	Ph. D. Mech	18.12.50	27	--	--	02.08.89	AAOPH 2952G	19	B=28650/- G=44694/-
	02	Mr. N.K. Patil	Asstt.Prof.	B.E. Prod.	MTech Energy MBA Mgt.	_	23.09.69	17	--	--	23.08.91	ABHPP 1813C	191	B=21780/- G=35066/-
UG Level Mech. Engg.	01	Mr. J. R. Chaudhari	Asstt.Prof. W/s Supdt.	B.E. Prod.	Mtech.. Metallurgy MBA	--	01.11.66	18	--	--	30.08.90	AATPC 1846M	42	B=24930/- G=40138/-
	02	Mr.K.Shrivastava	Asst. Prof.	B.E.Mech,	M.E. Thermal	-	07.11.73	11	--	--	08.01.98	AURPS 3200K	379	B=18630/- G=28877/-
	03	Mr. S.P.Shekhawat	Asst. Prof.	B.E.Mech,	M.E. M/c Dgn	_	03.05.74	09	--	--	15.07.99	AURPS 3142G	429	B=18630/- G=28877/-
	04	Mr. P. G. Damle	Asst. Prof.	B.E.Mech,	M.E. M/c Dgn	_	08.10.73	11	--	--	12.07.02	AFJPD7 491N	464	B=18000/- G=27900/-
	05	Mr.M.V.Rawalani	Asst. Prof.	B.E.Prod.	M.E.Mech. MBA		07.06.70	13	--	--	01.07.06	AAVPR 9327E	280	B=18630/- G=28877/-
	06	Mr. P.C. Lad	Asst. Prof.	B.E.Mech,	M.E. M/c Dgn	-	11.11.76	09	--	--				B=18000/- G=27900/-
	07	M.S. Murthy	Asst. Prof.	B.Tech Mech.	M.Tech (Thermal)	--	01.07.72	01	11	--	24.07.2008	AGOPM0 535C	620	B=19260/- G=30046/-
	08	Mr. D.B. Sadaphale	Sr. Lecturer	B.E.Mech,	M.E. M/c Dgn	--	01.07.76	09	--	--	20.02.02	APCPS 4219Q	499	B=15975/- G=24762/-
	09	Mukherjee Chandan Krishna	Sr. Lecturer	B.E. Mech.	MBA	--	09.03.63	--	5.8	--	25.08.08	--	--	B=15975/- G=24762/-

Name of the Course	Sr N0.	Name (s) Of the Teaching Faculty	Designation (Lecturer) Asstt. Professor	Qualifications with field of Specialization.			Date of Birth	Experience a) Teaching b) Industry c) Research			Date of joining The institute	Pan. No	Pf. No. MH50148/	Basic Pay +DP& Gross Salary pay as on 30/09/2009
				UG	PG	Ph. D		A	B	C				
UG Level Mech. Engg.	10	Mr. Shreepad Sarange	Lecturer	BE Mech	--	--	01.01.76	04	--	4.3	05.02.2007	AZZPS 1442E	612	B=12413/- G=18620/-
	11	Prashant Bornare	Lecturer	BE Mech	MBA	--	01.06.79	02	--	--	15.10.2007	--		B=12413/- G=16674/-
	12	Mr. P.M. Solanki	Lecturer	B.E. Prod.	M.E. Mech.(CAD/ CAM)	--	06.10.81	02	--	`--	08.08.2006	BTTPS 2528G	606	B=12825/- G=19238/-
	13	Shaikh Ajij I.	Lecturer	BE Mech	--	--	07.01.75	01	05	--	01.02.2008	--	645	B=12000/- G=13800/-
	14	Pravin D. Patil	Lecturer	B.E. Prod.	M.E. Mech.CAD/CAM	--	30.03.80	03	0.6	--	25.08.08	--	--	B=12413/- G=17379/-
B) Additional Faculty Appointed														
	15	A.S.Chaudhari	Lecturer	BE Mech	--	--	17.05.83	01	05	--	15.09.2009	--	--	B=12000/- G=13800/-
	16	Y.B.Dupare	Lecturer	B.E. Prod.	M.E. Mech.CAD/CAM	--	25.12.76	01	05	--	15.09.2009	--	--	B=12000/- G=13800/-
First Year	01	Mr. P. N. Ulhe	Sr. Lecturer	B.E.Prod.	--	--	09.03.74	09	02	--	14.12.02	AASPU 0960B	521	B=15975/- G=24762/-
	02	Mr. Ajay Bhardwaj	Lecturer	BE Prod.	--	--	05.07.68	09	--	--	10.08.1999	--	438	B=12825/- G=19238/-
	03	D.R.Lohar	Lecturer	BE Mech	--	--	26.05.84	01	05	--	01.01.2009	--	--	B=12000/- G=12000/-
	04	D.D. Bagale	Lecturer	BE Mech GATE	--	--	06.01.87	01	05	--	01.07.2009	--	--	B=12000/- G=13800/-
	05	Ms.Riddi Chopade	Lecturer	BE Mech	--	--	02.10.83	01	05	--	01.01.2009	--	--	B=12000/- G=12000/-

Name of the Course	S N0.	Name (s) Of the Teaching Faculty	Designation (Lecturer) Asstt.Professor	Qualifications with field of Specialization.			Date of Birth	Experience a) Teaching b) Industry c) Research			Date of joining the institute	Pan. No	Pf. No. MH50148/	Basic Pay +DP& Gross Salary pay as on 30/09/2009
				UG	PG	Ph.D.		A	B	C				
UG Level Chem. Engg.	01	Dr. K. S. Wani	Prof. & HOD	B.Sc. Tech.	M.Tech. Chem. Tech.	PhD	24.09.59	24	--	--	14.07.97	AACPW 5827F	340	B=27300/- G=43953/-
	02	Dr.Vijay R Diware	Asst. Prof.	B. Tech. Chem.	PGD PM	PhD	10.10.65	12	08	--	23.08.99	AAIPD 0087N	432	B=17630/- G=28877/-
	03	Mr. S.A. Thakur	Sr.Lecturer	B.Tech. (Chem)	MBA	--	17.09.68	11	08	--	03.08.98	ABUPT 8138K	400	B=17438/- G=27029/-
	04	A.R. Lokhande	Sr. Lecturer	B.Sc Tech	M.Tech. Chem Tech	--	18.10.59	07	17	2	10.07.08	AAYPL 8598A	619	B=15488/- G=24006/-
	05	N.Y. Ghare	Sr. Lecturer	B.Tech.	M.E. Chem.	--	14.01.68	07	05	7	10.07.08	--	618	B=15488/- G=24006/-
First Year	01	Sangore V.P.	Sr. Lecturer	Msc. Poly Chem.	--	--	29.12.72	12	--	--	16.08.99	BAGPS 9043G	364	B=16463/- G=25518/-
	02	Ms.Saharwardi F. Deeba	Lecturer	B.E. (Chem)	--	--	01.06.84	.04	--	--	01.07.09	--	--	B=10000/- G=10000/-

Name of the Course	S N0.	Name (s) Of the Teaching Faculty	Designation (Lecturer) Asstt.Professor	Qualifications with field of Specialization.			Date of Birth	Experience a) Teaching b) Industry c) Research			Date of joining the institute	Pan No.	Pf No. MH50148/	Basic Pay & Gross Salary pay as on 30/09/2009
				UG	PG	Ph.D.		A	B	C				
UG Level Bio-Tech	01	Dr. I. D. Patil	Asst. Prof.	B.Sc.	M.Sc (Chem Tech.)	PhD	01.06.72	13	--	--	01.10.99	AIEPP 2072P	315	B=21150/- G=34052/-
	02	Mr. Sharanappa A.	Lecturer	BE BioTech	--	--	26.08.83	03	--	--	22.01.07	ALMPA 4992L	608	B=14063/- G=21095/-
B) Additional Faculty Appointed														
	03	Ms Pallavi Pande	Lecturer	B. Tech BioTech	--	--	21.05.84	0.4	--	--	24.08.09	--	--	B=12000/- G=12000/-
	04	J.P.Parpalliwar	Lecturer	Bio- Tech	--	--	22.07.86	1.3	--	--	01.07.09	--	--	B=12000/- G=12000/-
	05	Ms Sarika M. Badgujar	Lecturer	B. Tech (Chem.Engg.)	--	--	15.01.82	.2.8	--	--	01.07.09	--	--	B=12000/- G=12000/-
First Year	01	Mr. Shamkant Badgujar	Lecturer	MSc. Bio Tech	--	--	21.04.83	04	--	--	02.07.07		614	B=12413/- G=16137/-

Name of the Course	Sr. No.	Name (S) of the teaching faculty	Designation (Lecturer/ Asstt.Prof. Professor)	Qualifications with field of Speciliazation			Date of Birth	Experience in years a)Teaching b)Industry c) Research			Date of Joining of the institute	Pan No.	Pf. No. MH50148 /	Basic Pay +DP& Gross Salary pay as on 30/09/2009
				UG	PG	PhD.		A	B	C				
PG Level Computer Engg.	01	Mr. K. P. Adhiya	Asstt.Prof. & I/C HOD	B.E.Computer	M.E. Comp. Sc.& Engg.	--	07.12.68	18.3	--	--	26.08.91	AAVPA 2101M	183	B=26190/- G=42166/-
	02	Mr.M.E. Patil	Asst. Prof.	B.E.Computer	ME Com.	--	06.10.75	07	1.8	--	02.12.02	AMCPP 1860H	523	B=18000/- G=27900/-
	03	Dr. B.V.Pawar	Visiting Prof.	B.E.Prod.	M.Sc Comp.	Ph.D Comp. Sc. & Engg..	--	23	--	--	--	--	--	Visiting Faculty
UG Level Computer Engg.	01	Mr. A. T. Bhole	Asst. Prof.	B.E. Computer	ME Comp.	--	12/09/76	07	2.1	--	27/11/07	AHRB 8772G	602	B=18000/- G=27900/-
	02	Mr.Sandip.S. Patil	Asst. Prof.	B.E.Computer	ME Comp.	--	20.01.80	8.4.	--	--	12.02.04	ARXPP 7021N	561	B=18000/- G=27900/-
	03	Mr.Sanjay Gharde	Lecturer	B.E.Computer	--	--	14.09.79	6.2	2	--	14.02.04	AMDPG 6120G	564	B=15713/- G=24800/-
	04	Ms.Shital A Patil	Lecturer	B.E.Computer	--	--	12.10.82	4.10	--	--	17.06.06	--	576	B=13238/- G=20519/-
	05	Ms.Vrishali Sonawane	Lecturer	B.E.Computer	--	--	11.03.84	3.10	--	--	2612.05	--	611	B=12413/- G=17379/-
	06	Ms. Ashwini Lokhande	Lecturer	B.E.Computer	--		23.05.85	3.02	--	--	14/08/07	--	622	B=12413/- G=17379/-
	07	Ms. Nilima P. Patil	Lecturer	B.E. Computer	--	--	21/10/81	3.02	--	--	14/08/07	--	627	B=12413/- G=16334/-
	08	Ms.Priti R. Sharma	Lecturer	B.E. Computer	--	--	18/06/82	1.8	--	--	14/02/08	--	624	B=12413/- G=17379/-
	09	Ms.Harsha Deshmukh	Lecturer	B.E. Computer	--	--	17.09.86	1.3	--	--	17.07.08	--	626	B=13200/- G=13200/-
	10	Mr. Dipak Bage	Lecturer	B.E. Computer	--	--	01.02.82	1.2	--	--	13.08.08	--	--	B=13200/- G=13200/-

	11	Mr. N.Y.Suryawanshi	Lecturer	B.E. Computer	--	--	27.01.81	4.3	--	--	01.07.09	--	--	B=12825/- G=17955/-
	12	Mr.A.P.Chaudhari	Lecturer	B.E. Computer	--		23.03.85	1.00	--	--	15.12.08	--	--	B=12000/- G=12000/-
B) Additional Faculty Appointed														
	13	Ms.Harmony Shah	Lecturer	B.E. Computer	--	--	16.07.88	.3	--	--	21.07.09	--	--	B=12000/- G=12000/-
	14	Ms.Yogeshwari Borse	Lecturer	B.E. Computer	--	--	01.06.79	.3,5	--	--	21.07.09	--	--	B=12000/- G=12000/-
	15	Ms. Dipti V.Patil	Lecturer	B.E. Computer	--	--	25.11.85	.0.1	--	--	15.09.09	--	--	B=12000/- G=12000/-
	16	MsRashami Rathi	Lecturer	B.E. Computer	--	--	16.05.87	.2.5	--	--	15.09.09	--	--	B=12000/- G=12000/-
	17	Ms. M.P.Chaudhri	Lecturer	B.E. Computer	--	--	24.04.85	.1.3	--	--	15.09.09	--	--	B=12000/- G=12000/-
First Year	01	Rahul Pachade	Lecturer	B.E. Comp.	--	--	04.12.80	0.5	--	--	--	--	--	B=12000/- G=12000/-
	02	Ms. Shital B. Ranade	Lecturer	B.E. Comp.	--	--	04.03.87	0.5	--	--	--	--	--	B=12000/- G=12000/-
	03	MsBharati P. Thombare	Lecturer	B.E. Comp.	--	--	01.05.83	.0.5	--	--	--	--	--	B=12000/- G=12000/-

Name of the Course	Sr. No.	Name (S) of the teaching faculty	Designation (Lecturer/ Asstt.Prof. Professor)	Qualifications with field of Specialization			Date of Birth	Experience a)Teaching b)Industry c) Research			Date of Joining of the institute	Pan. No.	Pf. No. MH50148/	Basic Pay +DP& Gross Salary pay as on 30/09/2009
				UG	PG	PhD.		A	B	C				
UG Level Inf.Tech	01	Ms. Archana Bhavsar	Ass. Prof.	B.E. Computer	M.Tech. CSE	--	22.02.77	5.10	--	--	17/03/08	--	616	B=18630/- G=28877/-
.	02	Mr.S.J. Patil	Lecturer	B.E. I.T.	--	--	16.09.80	5.02	--	--	16.12.05	--	589	B=13238/- G=18555/-
	03	Mr.Nitin Jagtap	Lecturer	B.E. I.T.	--	--	31/05/80	2.3	2.5	--	02/07/07	--	628	B=12413/- G=16674/-
	04	Rajput S.H.	Lecturer	B.E. Computer	--		26/10/84	1.9	--	--	20/02/08	--	625	B=12413/- G=14896/-
	05	R.M.Patil	Lecturer	B.E. I.T.	--	--	25.05.84	1.5.	--	--	15.12.08	--	630	B=12000/- G=13800/-
B) Additional Faculty Appointed														
	06	R.B.Sangore	Lecturer	B.E. Computer	--	--	19.09.85	4	3	--	17.07.09	--	629	B=12000/- G=12000/-
	07	MsA.S.Agarwal	Lecturer	B.E. Computer	--	--	04.10.87	0.3	--	--	20.07.09	--	--	B=10000/- G=10000/-

Name of the Course	Sr. No.	Name (S) of the teaching faculty	Designation (Lecturer/ Asstt.Prof. Professor)	Qualifications with field of Specialization			Date of Birth	Experience a)Teaching b)Industry c) Research			Date of Joining of the institute	Pan. No.	Pf. No. MH50148/	Basic Pay +DP& Gross Salary pay as on 30/09/2009
				UG	PG	PhD.		A	B	C				
PG Level E & TC	01	Mr.S.R.Suralkar	Asstt. Prof. & I/C HOD	B.E. Electronics	M.E. Inst. & Control	--	28.10.66	19	--	--	17.08.91	ACAPS 3443H	180	B=26190/- G=42166/-
	02	Mr. M. P. Deshmukh	Asstt.Prof	BE Electronics	ME Inst. & Control	--	20.06.66	19	--	--	01.07.96	AARPD 2514M	32	B=26190/- G=42166/-
	03	Dr.A.J.Patil	Visiting Prof.	BE Electronics	ME Power Electronics	PhD.	--	21	--	--	--	--	--	Visiting Faculty
UG Level E & TC	01	Mr. P. J. Shah	Asstt. Prof.	B.E. Ind. Ele.	ME Power Electronics	--	11.08.67	19	1	--	01.08.95	ALBPS 7337J	38	B=25560/- G=41152/-
	02	Mr. V. M. Deshmukh	Assttt.Prof	BE Electronics	ME Inst. & Control	--	17.06.65	18.6	--	--	01.08.98	APRED 2513N	35	B=26190/- G=42166/-
	03	Mr. P.V. Thakre	Asstt.Prof.	B.E. Electronics	M.Tech.(Energy Engg.)	--	19.07.70	14	--	--	16.07.07	ACZPT 9698L	597	B=24300/- G=36450/-
	04	Mr. S. U. Nyati	Asstt.Prof.	BE Electronics	M.E. Electronics	--	10.01.72	9	2	--	01.08.02	ADGPN 2607P	410	B=19260/- G=29853/-
	05	Mr.N.M.Kazi	Sr. Lecturer	BE Electronics	--	--	12.06.72	11	2	--	01.08.02	AAOPW 6412G	502	B=15975/- G=24762/-
	06	Mr. A. H. Karode	Lecturer	BE Electronics	--	--	01.06.76	7.5	2	--	01.07.03	ALMPK 9914G	496	B=15488/- G=24006/-
	07	Mr. A.C. Wani	Sr. Lecturer	BE Electronics	M.E. Electronics	--	30.07.76	8.5	--	--	09.06.03	AAOPW 6412G	502	B=15975/- G=24762/-
	08	Mr. P. H. Zope	Sr.Lecturer	BE Ind. Electronic	M.E.Digital Electronics	--	24.06.75	08	1	--	01.07.03	AAFPZ 6540B	509	B=15975/- G=24762/-

Name of the Course	Sr. No.	Name (S) of the teaching faculty	Designation (Lecturer/ Asstt.Prof. Professor)	Qualifications with field of Specialization			Date of Birth	Experience a)Teaching b)Industry c) Research			Date of Joining of the institute	Pan. No.	Pf. No. MH50148/	Basic Pay +DP& Gross Salary pay as on 30/09/2009
				UG	PG	PhD.		A	B	C				
UG Level E & TC	09	Mr. S. P. Ramteke	Lecturer	BE. E&TC	--	--	31.03.79	6	--	--	13.02.04	AJIPR 6640Q	563	B=14063/- G=21798/-
	10	Mr. S. K. Khode	Lecturer	BE E&TC	--	--	01.01.79	4	--	--	01/06/07	--	607	B=12413/- G=16758/-
	11	Ms.Mayuri J. Patil	Lecturer	B.E.E&TC.	--		23.09.84	2.7	--	--	02/07/07	--	634	B=12413/- G=16053/-
	12	Ms.Kiran Mantri	Lecturere	BE E&TC	--	--	26.01.83	3	--	--	20.07.07	--	636	B=12413/- G=16674/-
	13	Ms.Amrita Pande	Lecturer	BE E&TC	--	--	04.08.86	2.2	--	--	07.09.07	--	638	B=12413/- G=15392/-
	14	Ms.Kiran Dahake	Lecturer	BE E&TC	--	--	17.07.86	1.4	--	--	17.07.08	--	640	B=13200/- G=13200/-
B) Additional Faculty Appointed														
	15	Ms.Mangala Dhotre	Lecturer	BE E&TC	--	--	17.11.81	4.5	--	--	01.07.09	--	--	B=12413/- G=17379/-
	16	Mrs.Deepika R.Patil	Lecturer	BE E&TC	--	--	25.06.81	3.5	1.6	--	01.07.09	--	--	B=12413/- G=17379/-
	17	Ms.Prajakta Kharul	Lecturer	BE E&TC	--	--	28.04.87	0.4	1	--	01.07.09	--	--	B=12000/- G=12000/-
	18	Mr.Mubasir Khan	Lecturer	BE E&TC	--	--	25.02.85	0.4	--	--	01.07.09	--	--	B=12000/- G=12000/-
First Year	01	Ms.Pooja R. Oza	Lecturer	B.E.E&TC.	--	--	18.01.85	2.2	--	--	02.07.07	--	635	B=12413/- G=16137/-
	02	Mr. Ashish Bari	Lecturer	BE E&TC	--	--	26.04.81	2.2	--	--	04/08/07	--	637	B=12413/- G=15392/-
	03	Ms.Priyanka Shanbhag	Lecturer	BE E&TC	--	--	30.04.88	0.4	--	--	21.07.09	--	--	B=12000/- G=12000/-
	04	Ms.Priti Rajput	Lecturer	BE E&TC	--	--	21.11.87	0.2	--	--	15.09.09	--	--	B=12000/- G=12000/-

Name of the Course	Sr. No.	Name (S) of the teaching faculty	Design-ation (Lecturer/ Asstt.Prof. Professor)	Qualifications with field of Specialization			Date of Birth	Experience a)Teaching b)Industry c) Research			Date of Joining of the institute	Pan No.	Pf. No. MH50148/	Basic Pay +DP& Gross Salary pay as on 30/09/2009
				UG	PG	PhD.		A	B	C				
UG Level Electrical	01	Mr.D.U.Adokar	Asst. Prof	B.E.E&TC	ME. Ele. Power Sy.	--	31.03.65	22			01.07.09			B=24300/- G=37665/-
	02	Mr. V. S. Pawar	Asst. Prof	BE. Electrical	ME. Ele. Power Sy.	--	08.04.71	15	--	--	16.08.99	AMYPP 3902G	437	B=23670/- G=38109/-
	03	Mr. M. M. Ansari	Sr Lecturer	BE. Electrical	--	--	11.10.73	09	2.6	--	05.07.00	AHFPA 4503J	474	B=21975/- G=24762/-
	04	Mr.S.M.Shembekar	Sr Lecturer	BE. Electrical	--	--	31.08.76	09	--	--	01.01.09		--	B=15488/- G=24006/-
	05	Mr.Dhanesh S. Patil	Lecturer	BE Electrical	--	--	23.07.83	1.6	--	--	11.12.07	--	643	B=12413/- G=15392/-
	06	Mr.S.A.Seragi	Lecturer	BE E&TC	--	--	01.06.83	0.10	--	--	15.12.08	--	--	B=11000/- G=11000/-
B) Additional Faculty Appointed														
	07	Mr.Mahajan K.K.	Lecturer	BE. Electrical	--	--	01.05.80	0.8	--	--	19.09.09	--	--	B=12000/- G=12000/-

Name of the Course	Sr. No.	Name (S) of the teaching faculty	Design-ation (Lecturer/ Asstt.Prof. Professor)	Qualifications with field of Specialization			Date of Birth	Experience a)Teaching b)Industry c) Reserch			Date of Joining of the institute	Pan. No.	Pf. No. MH50148/	Basic Pay +DP& Gross Salary pay as on 30/09/2009
				UG	PG	PhD.		A	B	C				
PG Level MBA	01	Pankaj Anawade	Lecturer	B.E.	MBA	--	05.07.83	.6	--	--	01.07.08	--	--	B=12000/- G=13800/-
	02	V.S.Rana	Lecturer	B.Com	MBA	--	15.12.80	1.1	--	--	01.07.08	--	--	B=12825/- G=19955/-
B) Additional Faculty Appointed														
	03	Shantnu Vasishth	Lecturer	B.Com	MBA	--	05.01.75	1.1	--	--	01.07.09	--	--	B=18000/- G=18000/-
	04	Hahshal Salunke	Lecturer	B.Com	MBA	--	28.07.85	1.1	--	--	01.07.09	--	--	B=12000/- G=12000/-
	05	Ms.Richa Modiyani	Lecturer	BBA	MBA	--	30.04.87	1.1	--	--	16.07.09	--	--	B=10000/- G=10000/-
	06	Dr. R. H. Gupta	Professor	B.Com.	M.A. M.Phil	Ph.D.	11.02.55	33	--	19	02.11.06	ABBPG 7068G	--	Visiting Faculty
	07	Mangesh Sanap	Lecturer	B.E. Comp.	MBA	--	25.01.75	1.1	--	--	01.07.09	--	--	Visiting Lecturer

FIRST YEAR ENGG.

Name of the Course	Sr. No.	Name (S) of the teaching faculty	Design-ation (Lecturer/ Asstt.Prof. Professor)	Qualifications with field of Specialization			Date of Birth	Experience a)Teaching b)Industry c) Research			Date of Joining of the institute	Pan. No.	Pf. No. MH50148 /	Basic Pay +DP& Gross Salary pay as on 30/09/2009
				UG	PG	PhD.		A	B	C				
UG Level Humaniti es and Science	01	Mr. K. S. Patil	Sr. Lecturer & I/C HOD	B.Sc. (Phy)	MSc.(Phy)	---	14.05.74	10	--	--	05.07.00	AJXPP 8679G	420	B=16463/- G=25518/-
	02	Dr. K.S. Parihar	Professor	B.A.	M.A. Math	Ph.D.	03.01.42	37	--	--	16.10.07	AAB PP3227B	--	C=33000/- G=33000/-
	03	Ms. S. S. Patil	Sr. Lecturer	B.Sc. (Math)	MSc(Math)	--	12.05.75	10	--	--	07.09.00	AJXPP 8619A	472	B=15975/- G=24762/-
	04	Ms. Meera Deshpande	Lecturer	B.Sc. (Math)	M.Sc.(Math)	--	10.06.75	9.6	---	--	16.07.07	--	605	B=12413/- G=19241/-
	05	Mr. Y. K. Chitte	Lecturer	B.A.(English)	MA (English)	--	01.06.69	11	--	--	02.06.02	--	359	B=13650/- G=21158/-
	06	C.U. Nikam	Lecturer	B.Sc. Physics	M.Sc. Physics	--	05.06.73	5	--	--	25.08.08	--	--	B=12000/- G=13800/-
	07	Jayshreedevi Morya	Lecturer	B.Sc. Chemistry	M.Sc. Chemistry	--	05.10.85	1.6	--	--	12.09.08	--	--	B=12000/- G=13800/-
	08	Ms. Deepmala Desai	Lecturer	B.Sc. Chemistry	M.Sc. Chemistry	--	06.10.79	1.2	--	--	25.08.08	--	--	B=12000/- G=13800/-
	09	Ms.Sweta I.Pawar	Lecturer	B.A. English	M.A. English	--	29.06.87	0.6	--	--	04.08.09	--	--	C=8000/- G= 8000/-
	10	P.G.Patil	Lecturer	B.Sc. Chemistry	M.Sc. Chemistry	--	03.05.85	.4	--	--	25.09.09	--	--	B=12000/- G=13800/-
	11	J.J.Patil	Lecturer	B.Sc. (Math)	M.Sc.(Math)	--	03.10.84	.0.6	---	--	15.09.09	--		B=12000/- G=13800/-
	12	Ms. P.V. Bhandarkar	Lecturer	B.Sc. Math.	M.Sc. Math.	--	03.06.84	.2	---	--	10.09.09	--		C=8000/- G= 8000/-
Civil	13	F.I. Chavan	Sr. Lecturer	Civil Engg.	Environmenta l Engg.	--	13.05.74	11	--	--	12.07.00	AFXPC 4580K	418	B=15975/- G=24762/-
	14	Bharati Mahajan	Lecturer	Civil Engineering	Environmenta l Engg.	_	22.03.79	5	1	--	09.01.07	--	609	B=12413/- G=19241/-

	15	Sonali B. Patil	Lecturer	Civil Engg.	--	--	28.11.79	3	--	--	01.02.08	--	621	B=12413/- G=19241/-
	16	J.A. Pardeshi	Lecturer	Civil Engg.	--	--	25.10.82	1	1	--	01.08.07	--	--	B=15000/- G=15000/-
	17	Ms.Jyoti R. Mali	Lecturer	Civil Engg.	Environmental Engg.	--	2304.71	2	--	--	25.09.09	--	--	B=12000/- G=12000/-
Mech.	18	Mr. P. N. Ulhe	Sr. Lecturer	B.E.Prod.	--	--	09.03.74	09	02	--	14.12.02	AASPU 0960B	521	B=15975/- G=24762/-
	19	Mr. Ajay Bhardwaj	Lecturer	BE Prod.	--	--	05.07.68	09	--	--	10.08.99	--	438	B=12825/- G=19238/-
	20	D.R.Lohar	Lecturer	BE Mech	--	--	26.05.84	01	05	--	01.01.09	--	--	B=12000/- G=12000/-
	21	D.D. Bagale	Lecturer	BE Mech GATE	--	--	06.01.87	01	05	--	01.07.09	--	--	B=12000/- G=13800/-
	22	Ms.Riddi Chopade	Lecturer	BE Mech	--	--	02.10.83	01	05	--	01.01.09	--	--	B=12000/- G=12000/-
E.& TC.	23	Ms.Pooja R. Oza	Lecturer	B.E.E&TC.	--	--	18.01.85	2.2	--	--	02.07.07	--	635	B=12413/- G=16137/-
	24	Mr. Ashish Bari	Lecturer	BE E&TC	--	--	26.04.81	2.2	--	--	04.08.07	--	637	B=12413/- G=15392/-
	25	Ms.Priyanka Shanbhag	Lecturer	BE E&TC	--	--	30.04.88	0.4	--	--	21.07.09	--	--	B=12000/- G=12000/-
	26	Ms.Priti Rajput	Lecturer	BE E&TC	--	--	21.11.87	0.2	--	--	15.09.09	--	--	B=12000/- G=12000/-
Chemical	27	Sangore V.P.	Sr. Lecturer	Msc. Poly Chem.	--	--	29.12.72	12	--	--	16.08.99	BAGPS 9043G	364	B=16463/- G=25518/-
	28	Mr. Shamkant Badgujar	Lecturer	MSc. Bio Tech	--	--	21.04.83	2	--	--	02.07.07		614	B=12413/- G=16137/-
	29	Ms.Saharwardi F. Deeba	Lecturer	B.E. (Chem)	--	--	01.06.84	.0.4	--	--	01.07.09	--	--	B=10000/- G=10000/-
Computer	30	Rahul Pachade	Lecturer	B.E. Comp.	--	--	04.12.80	0.5	--	--	--	--	--	B=12000/- G=12000/-
	31	Ms. Shital B. Ranade	Lecturer	B.E. Comp.	--	--	04.03.87	0.5	--	--	--	--	--	B=12000/- G=12000/-
	32	MsBharati P. Thombare	Lecturer	B.E. Comp.	--	--	01.05.83	.0.5	--	--	--	--	--	B=12000/- G=12000/-

Three persons as named above of Computer Engg. Dept have been selected for First year Engineering Introduction to Computing Subject, which is to be taught from January 2010.

DR. RAKESH MOWAR

MOBILE : O-98232-89206
rakeshmowar_05@yahoo.co.in

Ph.D. (CIVIL ENGINEERING),
SYSTEMS ANALYSIS, PROJECT MANAGEMENT, GEOTECHNICAL ENGINEERING

PRINCIPAL
SHRAM SADHANA BOMBAY TRUST'S
COLLEGE OF ENGINEERING & TECHNOLOGY,
BAMBHORI, JALGAON.
PH. NO. (O257) 2258393 (OFFICE)
FAX: (O257) 2258392
GMS: COENTECH, JALGAON
E-mail : sscoet_jal@sancharnet.in
Web-site: www.sscoetjalgaon.ac.in

M.Sc. (CIVIL ENGINEERING)
(SOIL MECHANICS & FOUNDATION ENGINEERING) { GEOTECHNOLOGY }

B.Sc. (CIVIL ENGINEERING)
FIE,MIGS,MSEI, LMICME.

RESIDENCE :
A-7, RESIDENTIAL CAMPUS, COLLEGE OF ENGINEERING & TECHNOLOGY, P.O. BAMBHORI,
JALGAON 425 001. (M.S.)
Ph.No.: (0257) 2258355 (R)

B I O - D A T A

1	**Name** Fathers' Name Mothers Name	**RAKESH MOWAR** Late Mahesh Charan Mowar Late Maya Mowar
2	Date of Birth Place of Birth State	13th October 1953 Agra Uttar Pradesh
3	Address (a) Present Official	Principal, SSBT's College of Engineering and Technology, Post Box No. 94, Bambhori, Jalgaon 425 001 (MS) Phone No. (0257) 2258393 Fax No. : (0257) 2258392 Mobile No. 099235 86962
4	(b) Residential Communication	A-7, Staff Quarters, SSBT's College of Engineering an Technology Bambhori, Jalgaon 425 001 (MS)
5	(c) Permanent Address	Harmony H-1, Crystal Homes, 'Rakesh Shalini', Fortune Estate, Kolar Road, BHOPAL (M.P.)
6	Present Designation	Principal University Approval No. NMU/18/J-4/2646/03 dt. 16-07-03.
7	Present Scale and Salary	Pay scale : Rs. 16400-450-20900-500-22400 **Basic + 50% DP (Rs.23400+Rs.11700) = Rs. 35100/-.** **Total Emolument : Rs. 55156/-.**

8) <u>Educational Details :</u>

A) Examinations Passed :

Sr. No.	Examination	University	Year of Passing	Year of Award
1	Indian School Certificate Nov/Dec 1970.	University of Cambridge Local Exam. Syndicate.	1971	April, 1971
2	Intermediate Science April 1972	U.P. Board, Allahabad.	1972	22nd June,1972
3	B.Sc. (Civil Engg.) April 1977	Kurukshetra University.	1977	2nd Jan. 1978
4	M.Sc. (Civil Engg.) April 1980	Kurukshetra University.	1981	5th Feb. 1981
5	Ph.D. (Civil Engg.)	Jiwaji University	1997	28th Jan. 1997

B) <u>Educational Qualifications :</u>

1. Ph.D.(Civil Engg.), APPLICATION OF SYSTEMS ANALYSIS FOR MANAGEMENT OF GEOTECHNICAL ENGINEERING PROJECTS, Guides Dr. Sushil, IIT, Delhi and Dr. R.N. Munshi, MITS, Gwalior, Jiwaji University, submitted Feb 1995, awarded on 28 Jan 1997, Degree No. 1.
2. M.Sc.(Civil Engg.){Soil Mech.and Foundation Engg. (Geotechnology)}, A STUDY ON STRESS DISTRIBUTION IN WATER CARRYING PRESSURE TUNNELS UNDER ROCKS, Guide Prof. B.K. Kaul, Kurukshetra University, Regional Engineering College, Kurukshetra, I Division with Distinction in Dissertation, Degree No. 6.
3. B.Sc. (Civil Engg.), Kurukshetra University, Regional Engineering College, Kurukshetra, I Division, Degree No. 37.
4. Intermediate Science,U.P. Board Allahabad, R.E.I. Degree College,Dayalbagh,Agra-5, II Division, Certificate No. 784.
5. Indian School Certificate, University of Cambridge, Local Examinations Syndicate, St. Peter's College, Agra-3, II Division.

9) Memberships of Professional Bodies :

Sr. No.	Body	Membership Grade & No.	Date of Election
1	Fellow of Institution of Engineers (India)	F-016210/4	31/05/2002
2	Institution of Engineers (India)	M-46347	27/01/1987
3	Standards Engineers India	M-2149	04/04/1988
4	Indian Geotechncial Society	M-3150	04/10/1991
5	Indian Council of Management Executive	LM-832	31/12/1999

10) Experience

Sr.	In Designation as	Pay Scale in Rs.	Experience in scale (YY-MM)	Total Exp.
1	Principal	16400-22400	06-00	06-00
2	Professor	16400-22400	01-02	06-10
		4500-7300	04-00	
		1500-2500	01-08	
3	Asst. Professor	1600-2400	01-01	10-00
		1200-1900	03-07	
		3700-5700	05-04	
4	Lecturer	700-1600	03-01	03-01
5	Field Engineer	1500-3050	01-08	01-08
6	Teaching Assistant	800/- Con.	00-09	00-09
				28-04

Present :

1) Principal since 03/08/2002.

2) Scale :-Rs.16400-22400

3) Basic + 50% DP (Rs.23400+Rs.11700) = **Rs. 35100/-.**

4) Total Emolument : **Rs 55156/-.**

A) Institution Level

1. Principal since 3/08/2002
2. In-charge Principal.(Since 01st August,1999) to 2/8/2002.
3. Prof & Head of Civil Engineering Department.
4. Chairman, ISTE, Jalgaon Chapter.
5. Officer In-charge, Academic Affairs.
6. Principal In-charge, as assigned from time to time.
7. Lab In-charge, Geo-technical Engineering Lab.
8. Consultancy Services in Civil Engineering.

B) North Maharashtra University, Jalgaon.

1. Member VC's Nominee University Selection Committee.
2. Member Subject Expert University Selection Committee.
3. Ex-Chairman, Ad-hoc Board of Studies in Civil Engineering
4. Ex-Member, Ad-hoc Faculty of Engineering
5. Ex-Member, Board of paper setters and examiners
6. Ex-Member, University Engineer Representative Building Works Committee
7. Ex- Member, Academic Council, North Maharashtra University, Jalgaon.

11) <u>Employment Details :</u>

Sr.	Name & address of the Employer	Period of Service		Designation	Nature of Work and level of responsibility.
		From	To		
1	Regional Engineering College, Kurukshetra.	13/8/79	19/5/80	Teaching Assistant	Teaching B.E. Classes
2	M/s Jaiprakash Associates Pvt. Ltd., Tehri.	30/580	20/1/82	Field Engineer	Field Work, design of tunnel liners.
3	Motilal Nehru Regional Engineering College, Allahabad.	28/1/82	02/2/85	Lecturer	Teaching B.E. & M.E. classes incl. Dissertation, Asst. Warden and Dy. Dean Tilak Hostel Soil Consultancy work and J.E.E. works.
4	Guru Nanak Dev Engineering College, Bidar.	07/2/85	06/386	Assistant Professor	Teaching B.E. Classes, N.S.S. Programme Officer
5	Rural Engineering College, Bhalki.	07/3/86	09/9/89	-"-	Teaching B.E. and M.E. Classes Students welfare Officer.
6	College of Engg. & Tech., Bambhori, Jalgaon.	13/9/89		Presently Professor & Head Civil Engg. Dept.	Teaching B.E. Classes, Administrative & University Systems Consultancy.
7	-"-	01/8/99	Till date	Incharge Principal	Management of University and Institution Affairs

8	-“-	03/08/02		Principal appointed by Managing Trustee	-“-
9	-“-	10/06/03		Principal approved by University	Chairman LIC of University. Chairman BOE Ph.D. Examination Members University Selection Committee, VC’s Nominee, Member Subject expert.

Academic Activity :- Engaged in UG and PG teaching.

As Chairman of the Board of Studies Civil Engg. appointed as Member of R&D Committee vide letter no. NMU/5-B/RRC-Civil Engg/209/2003 dt. January 14,2003 and conducted two Ph.D. viva-voce 1) on 10 Dec. 2005 and 2) 1st April 2008.

Chairman for Ph.D Viva-Voce Committee.

WORKSHOPS, SEMINARS, CONFERENCES, SYMPOSIUMS AND CONVENTIONS ATTENDED AND PAPERS PUBLISHED / PRESENTED AND PUBLISHED.

1. WORKSHOPS ATTENDED :

1) Participated in the workshop on Construction Management and Management of Curriculum Development Cell, Civil Engineering Department, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi-16, 16 March 1984.
2) Orientation Programme and Workshop of N.S.S. Programme Officers of Gulbarga University at Shahabad, Gulbarga in Sept. 1985.
3) Workshop in Design and Drawing of Irrigation structures for staff of Faculty of Civil Engineering of Colleges under Poona University at Maharashtra Institute of Technology, Pune from 22 to 24 Jan. 1990.
4) Workshop on planning of syllabus, NMU Jalgaon at College of Engineering & Technology, Jalgaon on 6th Sept. 1998.
5) ISRM India symposium advancing Rock Mechanics Frontiers to meet challenges of 21st century – An International symposium organized by Indian Group of International Society for Rock Mechanics and Central Board of Irrigation and Power, 24th- 27th September 2002.
6) Emerging Trends in Engineering Education, Aurangabad, 25th-26th Oct. 2002.

B) WORKSHOP CONDUCTED

1) Workshop structure and syllabus of the new course to be implemented from July-2003 regarding Civil Engg. B.O.S. conducted 30/01/2003 at SSBT's College of Engg. & Tech., Bambhori, Jalgaon.

2. PAPERS PUBLISHED/PRESENTED AND PUBLISHED :

1) The C.G. Method - A suggested Method for Estimating Rock Excavation in Tunnelling - Paper published in the III SYMPOSIUM ON ROCK MECHANICS, ROORKEE, 16-18 NOV. 1985.
2) Systems and planning of plumbing and sanitary services paper published and read in-absentia at the 2 days seminar on CONTEMPORARY SERVICES IN PLUMBING AND SANITATION ON 10 AND 11 FEB. 1996 OF THE ENGINEERS AND ARCHITECTS SANGLI, MAHARASHTRA.

3) A review of Project Management Techniques in CGCE Projects Paper published and presented at ALL INDIA SEMINAR ON CONSTRUCTION TECHNOLOGY MANAGEMENT ON ENGINEERS' DAY 15 SEPTEMBER, 1996 AT THE INSTITUTION OF ENGINEERS (INDIA), ALLAHABAD LOCAL CENTRE, TELIARGANJ, ALLAHABAD.

4) Systems Concepts of Engineers adopting Teaching Profession in Engineering Colleges - Paper published and presented at THE FIRST TWO DAYS CONVENTION OF TECHNICAL TEACHERS UNDER THE JURISDICTION OF NORTH MAHARASHTRA UNIVERSITY, JALGAON UNDER ISTE ON 20 OCTOBER 1996 AT JTM COLLEGE OF ENGINEERING, FAIZPUR, DIST. JALGAON.

5) The sphere of Uncertainty and its Effects on Life Cycle of Geotechnical Engineering Aspects of a Bridge Project - A Systems Analysis and Dynamics view-paper published at THE ANNUAL PAPER MEETING OF THE INSTITUTION OF ENGINEERS (INDIA) NAGPUR LOCAL CENTRE, NAGPUR IN NOVEMBER 1996.

6) PDS of large GTE projects for precise duration estimation paper published and presented at INDIAN GEOTECHNICAL CONFERENCE, 1997 AT VADODARA, 17-20 DE. 1997.

7) Education Management at ISTE II State Level Convention (Maharashtra and Goa), Aurangabad, 17 Jan. 1998.

8) Effect of Temperature on Shear Strength Parameters and Gradation Curves of River Transported Alluviums published at GEN 98, CELEBRATING GOLDEN JUBILEE OF THE INDIAN - GEOTECHNICAL SOCIETY, DEPARTMENT OF CIVIL ENGINEERING, C/O. MOTILAL NEHRU REGIONAL ENGINEERING COLLEGE, ALLAHABAD - 211 004, 8-10 APRIL 1998.

9) Action plan for Management of class AA labs in engineering colleges - presented at seminar of Quality Engineering Education, North Maharashtra University, Jalgaon and ISTE Chapter of SSBT's COET, Jalgaon on 26 Dec. 1998.

10) Land slides study using Systems approach at 2nd International Conference on landslides, Singapore, July 1999.

11) Role of COET, Jalgaon in emergence of cyber space with respect to e-mail-Views presented on Engineers Day, Sept. 1999 at S.S.B.T.'s College of Engg. and Tech., Jalgaon on 18th September 1999.

12) "Flexible System Management Uncertainty Handling, TQM and QFD, Quality Function Deployment in industry". A lecture given during "QUALITY MONTH OBSERVATION" at Indian Ordnance Factory, Varangaon, on 16th Nov. 1999.

13) Flexible Systems and Manufacturing Process Management a lecture delivered on Engineer's Day in Sept. 2000 at S.S.B.T.'s College of Engg. & Tech., Bambhori, Jalgaon.

14) Seminar on Low Cost Automation April, 2007 at SSBT's College of Engg . & Technology, Bambhori, Jalgaon a lecture delivered on AUTOMATION AND FLEXIBLE SYSTEMS.

15) "Nanontechnology and Geotechnology" paper presented at one day national seminar on Nanotechnology: Perspectives and Future at SSBT's COET, Bambhori, Jalgaon Saturday, March 08, 2008.

16) Nano-technology: Its Applications for Industrial Wastewater Management paper presented at one day national seminar on Nanotechnology: Perspectives and Future at SSBT's COET, Bambhori, Jalgaon Saturday, March 08, 2008. (Rakesh Mowar and M. Husain).

17) "Study and Analysis of Solar Tower as Alternative Source of Power Generation" paper published in proceedings of the 15th ISME International Conference on New Horizons of Mechanical Engg., March 18-20, 2008 at Rajiv Gandhi Technological University, Bhopal. (Krishna Shrivastava, Dr. Rakesh Mowar and A.M. Mahale).

Organizations Skills

At Trust level

1) As Management Representative of the trust I am involved in the ISO 9001:2008 process for Shram Sadhana Bombay Trust, College of Engg. & Tech., Bambhori, Jalgaon and Hostel of Working Women, Bandra for audit works.

At College level

1) For the Accreditation process for NBA, AICTE New Delhi as Principal of the college:
   a) 2005
   b) 2008

2) For the gradation process for DTE, Mumbai as Principal of the college

   a) 2003

3) Visits of VVIPs like Governor of Rajasthan on 28/01/2006 and Vice-President of India in college campus on August 2005.

4) Organized one day national level workshop on Low Cost Automation on April 2007 as Convener of seminar.

5) Organized national level seminar on Nanotechnology: Perspectives and Future at SSBT's COET, Bambhori, Jalgaon Saturday, March 08, 2008.
6) Organized national level paper presentations as Convener for students in college

   a) Milestone 2k5 on 17th March 2005.

   b) Milestone 2k8 on 7th March 2008.

7) Organized national level seminar on the theme "Energy Conservation and Audit" on Monday, February 16,2009 at SSBT's COET, Bambhori, Jalgaon.
8) Organized ISTE approved SSTP on "Emerging Trends in Digital Signal Processing & Communication" at SSBT's COET, Bambhori, Jalgaon on 30th March to 1st April 2009.

Acceptance at societal level

1) Indian Council of Management Executives had awarded me a mini gold plated trophy along and had given me the title of "Samajshri" with a certificate of its life membership in the field of Management (Information Technology) on 31/12/1999 for service of public.

2) National Council For Senior Citizens of India confers its LIFE MEMBERSHIP in recognition of unstinted support to National Council for Senior Citizens of India on 14th November 2006.

3) The international workshop on "Digital Governance & Hotspot Geoinformation" honors & recognizes for insightful and forward looking involvement in JalaSri at the inaugural function of its consortium on Monday, June 1, 2009 at New Delhi.

Courses Material Developed

1) CD on Seminars 2006 – A live collection of seminars presented by final year Civil Engg. students of academic year 2005-06.

2) Changing faces of Jalgaon. Civil Engg. then and now a Cd of live photography showing the changes undergon by Civil engg. site visits then and now i.e. part and present as on dated March 2008. Sone of the structures are centuries old.

3) A compendia in Geotechncial Engg. entitled Numeracy in Soil Mechanics – A book written for numerical and graphics understanding in Soil Mechanics problems.

Education Industry Interaction :

1) In the suggestion week at Kalyani Brakes Limited, Jalgaon I was invited as Chief Guest in Nov. 2002
2) In class room decoration function I was invited as Guest of Honour as Judge at Railway School, Bhusawal Jn. Central Railway in Dec. 2002.

(Dr. RAKESH MOWAR)

CIVIL ENGINEERING DEPARTMENT

FACULTY PROFILE

1. Name – Dr. M.Husain
2. Date of Birth -5-12-1969
3. Educational Qualification - Ph.D.
4. Work Experience –

   Teaching – 13 Yrs. (UG), 3 years PG (inclusive)

   Research – 13 Yr (inclusive)

   Industry – six months

   Others - Nil

5. Area of Specialization – Environmental Engg.
6. Subject teaching at under graduate level –1. Environmental Engg I

   2 Environmental Engg II.

   3. Elements of Civil Engg.

   At post graduate level –1. Environmental Engineering

   Microbiology

7. Research guidance –

   Masters - 10

   Ph.D. - one

8. Projects carried out – Guided to final year students of UG and PG in projects & seminars, paper presentation
9. Patents – Nil
10. Technology Transfer – Nil
11. Research Publication –

    National Journals – nil

    International Journals - 5

    Conferences - 15

12. No. of books published with details - 1 (Everest publication Elements of Civil Engg.)

Signature

FACULTY PROFILE

1. Name – Shivraj L. Patil
2. Date of Birth –1-1-1962
3. Educational Qualification - M.Sc. (Tech)
4. Work Experience –

   Teaching – 21 Yrs.

   Research – 3 years (inclusive)

   Industry – Nil

   Others - Nil

5. Area of Specialization – Applied Geology
6. Subject teaching at under graduate level –1.Engineering Geology

   2.Watershed management

   3.Elements of Civil Engg.

   4. Surveying I

   At post graduate level – Watershed management

7. Research guidance –

   Masters - 02

   Ph.D. - Nil

8. Projects carried out – Guided to final year students in projects &seminars, paper presentation
9. Patents – Nil
10. Technology Transfer – Nil
11. Research Publication –

    National Journals - Nil

    International Journals - Nil

    Conferences - 10

12. No. of books published with details - 1 (Everest Publication, Pune, Elements of Civil Engg.)

Signature

FACULTY PROFILE

1.Name - Sudhakar Bhika Pawar

1. Date of Birth – 5-10-1966
2. Educational Qualification – M.E. (Civil)
3. Work Experience –

   Teaching – 19 Yrs.

   Research – Nil

   Industry – 1.5 Yrs.

   Others - Nil
4. Area of Specialization – Civil (Construction)
5. Subject teaching at under graduate level –1.Surveying I 2. Surveying II

   3.Building Drawing & Town Planning

   4. Transportation Engineering.

   At post graduate level –

   1. Design Operation and maintenance of wtare supply and sewerage systems
7. Research guidance – Nil

   Masters - Nil

   Ph.D. - Nil

8. Projects carried out – Working as site engineer & has been laboratory in charge of Survey lab
9. Patents – Nil
10. Technology Transfer – Nil
11. Research Publication – National Journals - Nil

    International Journals - Nil

    Conferences - 1
12. No. of books published with details - Nil

Signature

FACULTY PROFILE

1. Name - Pravin Ashok Shirule.
2. Date of Birth – 07-6-1973
3. Educational Qualification - M .E. (Civil)
4. Work Experience –

   Teaching – 11 ½ Yrs.

   Research – Nil

   Industry – 1

   Others - Nil

5. Area of Specialization – Environmental Engineering
6. Subject teaching at under graduate level –1.Engineering Mechanics

   2. Strength of materials

At post graduate level –

1. Environmental Sanitation
2. Design Operation and maintenance of water supply and sewerage systems

7. Research guidance – --Nil

   Masters - 02

   Ph.D. - Nil

8. Projects carried out – Nil
9. Patents – Nil
10. Technology Transfer – Nil
11. Research Publication –

National Journals - Nil

International Journals - Nil

Conferences - one

12. No. of books published with details - Nil

Signature

FACULTY PROFILE

1. Name - Farooq I. Chavan
2. Date of Birth – 13-5-1974
3. Educational Qualification - M.E. (Civil)
4. Work Experience –

   Teaching – 11 Yrs.

   Research – Nil

   Industry – Nil

   Others - Nil

5. Area of Specialization – Environmental Engineering
6. Subject teaching at under graduate level –1. Engineering Mechanics

   2. Strength of materials

   3. Water resources engineering II

   3.Fluid Mechanics I

   4.Engg. Mechanics

   At post graduate level – Nil

7. Research guidance –

   Masters - Nil

   Ph.D. - Nil

8. Projects carried out –
9. Patents – Nil
10. Technology Transfer – Nil
11. Research Publication – Nil

    National Journals - Nil

    International Journals - Nil

    Conferences - 1

12. No. of books published with details - Nil

Signature

FACULTY PROFILE

1. Name – Jayant N.Kale
2. Date of Birth – 25th Dec 1965
3. Educational Qualification - B.E. (Civil Engineering)
4. Work Experience –

   Teaching – $1^1/_2$ years.

   Research – Nil

   Industry – 18 yrs

   Others - Nil
5. Area of Specialization – Consultancy
6. Subject teaching at under graduate level –1. Engineering Mechanics

   At post graduate level – Nil
7. Research guidance –

   Masters - Nil

   Ph.D. - Nil
8. Projects carried out – Nil
9. Patents – Nil
10. Technology Transfer – Nil
11. Research Publication – National Journals - Nil

    International Journals - Nil

    Conferences - Nil
12. No. of books published with details - Nil

Signature

FACULTY PROFILE

1. Name – Bharti V Mahajan
2. Date of Birth – 22 – 3 - 1979
3. Educational Qualification - M.E. Civil
4. Work Experience –

   Teaching – 5 Yrs.

   Research – Nil

   Industry – 1Yr.

   Others - Nil

5. Area of Specialization – Environmental Engineering
6. Subject teaching at under graduate level –1.Numerical Methods in Civil Engg.

   2. Engineering Mechanics

   At post graduate level – Solid Waste Management
7. Research guidance –

   Masters - Nil

   Ph.D. - Nil
8. Projects carried out – Nil
9. Patents – Nil
10. Technology Transfer – Nil
11. Research Publication – Nil

    National Journals - Nil

    International Journals - Nil

    Conferences - One
12. No. of books published with details - Nil

Signature

FACULTY PROFILE

1Name – Sonali B Patil

2. Date of Birth – 28-11-1979

3. Educational Qualification - B.E. Civil

4. Work Experience –

Teaching – 3 Yrs.

Research – Nil

Industry – Nil

Others - Nil

5. Area of Specialization – Environmental Engineering

6. Subject teaching at under graduate level – 1.Water Resources Engineering I

2. Fluid Mechanics II

At post graduate level – Nil

7. Research guidance –

Masters - Nil

Ph.D. - Nil

8. Projects carried out – Nil

9. Patents – Nil

10. Technology Transfer – Nil

11. Research Publication – Nil

National Journals - Nil

International Journals - Nil

Conferences - One

12. No. of books published with details - Nil

Signature

FACULTY PROFILE

1. Name – Jaydeepsingh Ashoksingh Pardeshi.
2. Date of Birth – 25-10-1982
3. Educational Qualification - M.E. (Civil)
4. Work Experience –

   Teaching – 1 years.

   Research – Nil

   Industry – 1 yrs

   Others - Nil
5. Area of Specialization – Structural Engineering
6. Subject teaching at under graduate level –1. Engineering Mechanics

   2. RCC & Steel Structures.

   At post graduate level – Nil
7. Research guidance –

   Masters - Nil

   Ph.D. - Nil
8. Projects carried out – Nil
9. Patents – Nil
10. Technology Transfer – Nil
11. Research Publication – National Journals - 1

    International Journals - Nil

    Conferences - 3
12. No. of books published with details - Nil

Signature

FACULTY PROFILE

1. Name – Jyoti Raghunath Mali.
2. Date of Birth – 23-04-1971
3. Educational Qualification - M.E. Civil
4. Work Experience –

   Teaching – 2 years.

   Research – Nil

   Industry – Nil

   Others - Nil
5. Area of Specialization – Environmental engineering
6. Subject teaching at under graduate level –1. Engineering Mechanics

   2. Concrete technology

   At post graduate level – Nil
7. Research guidance –

   Masters - Nil

   Ph.D. - Nil
8. Projects carried out – Nil
9. Patents – Nil
10. Technology Transfer – Nil
11. Research Publication – National Journals - Nil

    International Journals - Nil

    Conferences - Nil
12. No. of books published with details - Nil

Signature

B – CHEMICAL ENGINEERING

FACULTY PROFILE

For each Faculty give a page covering

1. Name : Dr. KISHOR SOPAN WANI
2. Date of Birth : 24th September 1959
3. Educational Qualification : M.Tech.(Chem.Tech.), DBM, Ph.D.(Biotechnology)
4. Work Experience :
   - Teaching 24 yrs
   - Research 08 yrs
   - Industry -- --
   - Others -----
5. Area of Specializations: Chemical Engineering & Technology , Biotechnology
6. Subjects teaching at Under Graduate Level:

i) Biochemical Engg. ii) Process Engineering Economics & Costing

iii) Chemical Reaction Engineering – I

Post Graduate Level : -- i) Air Pollution

7. Research guidance :

Masters's : 03

Ph.D: 02

No. of papers published in

- National Journals : ---
- International Journals:04
- Conferences : 01

8)Projects Carried out : College project - Reuse of bathroom waste water

9) Patents : First & true inventor of the patent (dated 2/01/2006) on "A Method for production of orange coloured aliphatic pigment by *Chry*seobacterium *Indologenes* (Patent no 196509 of 16/12/2003, A-MU/0865).

10. Technology Transfer : - -

11.Research Publications :

i) International Journals :

1)"Development of Acetylation Technique for chemical modification of cellulose fiber using baggase, bamboo & pad pulps" ,V.S.Patil, J.D.Dhake, **K.S.Wani**. published in "Oriental journal of chemistry" ,Vol 19,No.3,2003

2) S.S.Sonawane, G.A.Usmani, V.R.Parate, V.S.Patil, **K.S.Wani.** " Mass transfer and kinetic studies of antacids in acetic acid and its modeling simulation", published in "Material Science and Research India". Vol.5(1), 2008.

3)S.S.Sonawane, G.A.Usmani, V.R.Parate, **K.S.Wani** and S.J.Wagh. "Study the kinetics of catalytic esterification reaction between n-Butanol and Acetic acid", published in "Material Science and Research India". Vol.5(1), 2008.

4) Priti N Chaudhari, **Kishor S Wani**, Bhushan L Chaudhari and Sudhir B Chincholkar. " Characteristics of Sulfobacin A from a soil isolate *Chryseobacterium gleum*",published in "Applied Biochemistry and Biotechnology" DOI 10 1007/s12010-008-8417-7, Nov.2008.

ii) International Conference:

1.**Kishor S Wani**, Priti N Chaudhari, Bhushan L Chaudhari and Sudhir B Chincholkar. "Production of new sulfonolipid and some important enzymes by alkaliphilic *Chryseobacterium sp.*" Published in International Conference on " New Horizons in Biotechnology and 4th BRSI Convention" held on November 26-29,2007, organized by The Biotech Research Society[BRSI] and National Institute for Interdisciplinary Science and Technology[NIIST], Trivandrum

12) No.of Books published with details :

1) "Pigment Production" **K.S.Wani**, B.S.Naphade, B.L.Chaudhari & S.B.Chincholkar. published in ,"Concise Encyclopedia of Bioresource Technology",Haworth press publication, New York , 1st April 2004, Page no. 645 to652.

Signature

FACULTY PROFILE

1.Name : VIJAY RAMKRISHNA DIWARE

2.Date of Birth : 10th October 1965

3.Educational Qualification : B.Tech. (Chemical),

Ph.D (Chemical Technology)

PGDPM

4.Work Experience

- Teaching 12 yrs
- Research 0 4 yrs
- Industry 0 8 yrs
- Others

5.Area of Specializations : Chemical Technology

6.Subjects teaching at Under Graduate Level :

i) Chemical Reaction Engineering – II

ii) Chemical Plant Design and Project Engineering

iii) Process Equipment Design & Drawing – I and II

Post Graduate Level : --

7.Research guidance : Not Applicable

No. of papers published in

Masters's : - - - National Journals : ---

Ph.D.: - - -International Journals : 08

-Conferences : ----

8.Projects Carried out : - -

9.Patents : - -

10.Technology Transfer : - -

11.Research Publications :

i) International Journals :

1. A.S.Goje, Y. P. Chauhan, **V. R. Diware** and S. Mishra. Micro-Kinetics and Mass Transfer Study of Treatment of Aqueous and Alcoholic Potassium Hydroxide on Poly (Butylene Terephthalate) Waste. Polymer-Plastics Technology and Engineering , Marcel Dekker, New York, USA, 43 (1) , 177 – 198 , 2004.

2. A.S.Goje**, V. R. Diware**, S. A. Thakur, Y. P. Chauhan, and S. Mishra. Aminolysis of Poly (Ethylene Terephthalate) Waste For Recovery of Value Added Comonomeric Product. Polymer-Plastics Technology and Engineering , Marcel Dekker, New York, USA, 43 (2) , 407 – 426, 2004.

3. A.S.Goje**,** S. A. Thakur, **V. R. Diware**, Y. P. Chauhan, and S. Mishra. Chemical Recycling, Kinetics And Thermodynamics of Hydrolysis of Poly (Ethylene Terephthalate) (PET) Waste With Nonaqueous Potassium Hydroxide Solution. Polymer-Plastics Technology and Engineering , Marcel Dekker, New York, USA , 43 (2) , 369 – 388 , 2004.

4. A.S.Goje, **V. R. Diware,** Tushar M. Patil and S. Mishra. Micro-Kinetics and Mass Transfer Study of Treatment of Aqueous and Alcoholic Potassium Hydroxide on Poly (Ethylene Terephthalate) Waste. Polymer-Plastics Technology and Engineering , Marcel Dekker, New York, USA ,43 (3) , 889 – 912 , 2004.

5. A.S.Goje, **V. R. Diware**, S. A. Thakur and S. Mishra. Micro-Kinetics and Mass Transfer In Aqueous Alkaline Depolymerization of Poly (Ethylene Terephthalate) (PET). Polymer-Plastics Technology and Engineering , Marcel Dekker, New York, USA , 43 (3) , 913 – 934 , 2004.

6. A.S.Goje**,** S. A. Thakur, **V. R. Diware**, S. A. Patil, P. S. Dalwale, and S. Mishra. Hydrolytic Depolymerization Of Poly (Ethylene Terephthalate) Waste At High Temperature Under Autogenous Pressure. Polymer-Plastics Technology and Engineering , Marcel Dekker, New York, USA , 43 (4) , 1085 – 1105 , 2004.

7. A.S.Goje, S. A. Thakur, **V. R. Diware**, Y.P.Chauhan , T.M.Patil, S.A.Patil and S. Mishra. Glycolytic Aminolysis of Poly (Ethylene Terephthalate) Waste At Atmospheric Pressure For Recovery of A Value Added Insecticide. Polymer-Plastics Technology and Engineering. Taylor & Francis Group, New York, USA., Vol 44, Issue No. 1, Page 163-181, 2005.

8. A. S. Goje , **V. R. Diware** and S. Mishra Heat Transfer Studies in an Agitated Vessel During Aqueous Alkaline Depolymerization of Poly(Ethylene Terephthalate) (PET) Waste. Polymer-Plastics Technology and Engineering. Taylor & Francis Group, New York, USA., Vol 45, Issue No. 2, Page 231- 242, 2006.

12.No. of Books published with details : - -

Signature

FACULTY PROFILE

1.Name: SANDEEP AVINASH THAKUR

2.Date of Birth : 17th September 1968

3.Educational Qualification : B.Tech. (Chemical)

MBA

4.Work Experience :

- Teaching: 11 yrs
- Research 01 yrs
- Industry: 08 yrs
- Others -- -

5.Area of Specializations : Chemical Engineering and Management

6.Subjects teaching at Under Graduate Level :

i) Process Dynamics & Control ii) Transport Phenomena

iii) Mass Transfer – I iv) Industrial Economics & Management

Post Graduate Level : --

7. Research guidance : Not Applicable

No. of papers published in

Masters: - -

Ph.D: - -

- National Journals: - -
- International Journals: 06
- Conferences : - -

8.Projects Carried out : - -

9.Patents : - -

10.Technology Transfer : - -

11.Research Publications :

i) International Journals :

1. A.S.Goje, **S. A. Thakur**, Tushar M. Patil, and S. Mishra. Glycolytic-Aminolysis of Poly (Ethylene Terephthalate) Waste For Recovery of Value Added Comonomer At Atmospheric Pressure. Journal of Applied Polymer Science. 90 (12), 3437-3444, 2003.

2. A.S.Goje**,** V. R. Diware, **S. A. Thakur**, Y. P. Chauhan, and S. Mishra. Aminolysis of Poly (Ethylene Terephthalate) Waste For Recovery of Value Added Comonomeric Product. Polymer-Plastics Technology and Engineering , Marcel Dekker, New York, USA, 43 (2) , 407 – 426, 2004.

3. A.S.Goje**, S. A. Thakur**, V. R. Diware, Y. P. Chauhan, and S. Mishra. Chemical Recycling, Kinetics And Thermodynamics of Hydrolysis of Poly (Ethylene Terephthalate) (PET) Waste With Nonaqueous Potassium Hydroxide Solution. Polymer-Plastics Technology and Engineering , Marcel Dekker, New York, USA , 43 (2) , 369 – 388 , 2004.

4. A.S.Goje, V. R. Diware, **S. A. Thakur** and S. Mishra. Micro-Kinetics and Mass Transfer In Aqueous Alkaline Depolymerization of Poly (Ethylene Terephthalate) (PET). Polymer-Plastics Technology and Engineering , Marcel Dekker, New York, USA , 43 (3) , 913 – 934 , 2004.

5. A.S.Goje**, S. A. Thakur,** V. R. Diware, S. A. Patil, P. S. Dalwale, and S. Mishra. Hydrolytic Depolymerization Of Poly (Ethylene Terephthalate) Waste At High Temperature Under Autogenous Pressure. Polymer-Plastics Technology and Engineering , Marcel Dekker, New York, USA , 43 (4) , 1085 – 1105 , 2004.

6. A.S.Goje, **S. A. Thakur**, V. R. Diware, Y.P.Chauhan , T.M.Patil, S.A.Patil and S. Mishra. Glycolytic Aminolysis of Poly (Ethylene Terephthalate) Waste At Atmospheric Pressure For Recovery of A Value Added Insecticide. Polymer-Plastics Technology and Engineering. Taylor & Francis Group, New York, USA., Vol 44, Issue No. 1, Page 163-181, 2005.

12.No. of Books published with details : - -

Signature

FACULTY PROFILE

1.Name : VIJAY PRABHAKAR SANGORE

2.Date of Birth : 29th December 1972

3.Educational Qualification : M.Sc. (Poly. Chemistry) ,

4.Work Experience

- Teaching -12 yrs
- Research – 01 year
- Industry - ---
- Others -- --

5.Area of Specializations: Polymer Chemistry & Physical Chemistry

6.Subjects teaching at Under Graduate Level :

i) Chemical Processes-I ii) Chemistry -I

iii) Chemistry-II iv) Chemistry-III v) Chemistry

Post Graduate Level : - -

7.Research guidance : Not Applicable

No. of papers published in

Masters's : - - National Journals: - -

Ph.D.: - - International Journals: - -

Conferences : 02

1.S.A.Thakur, V.R.Diware, **V.P.Sangore**, M.Husain. Fertility Evaluation & Feasibility Analysis for Disposal of Bio-Sludge. National Conference on Recent Advances in Chemical Engineering RACE 2005, Apr. 08,2005, at JDIET, Yavatmal

2. S.A. Thakur, **V. P. Sangore**, M.G.Upadhyay. Hydrogen-Renewable source of Energy. National Conference on Recent Advances in Chemical Engineering NCRACE 2007, organized by Department of Chemical Engineering, SRM University Kattankulathur (Tamilnadu), on Oct.12, 2007

8.Projects Carried out : - -

9.Patents : - -

10.Technology Transfer : - -

11.Research Publications : - -

12.No. of Books published with details: - -

Signature

FACULTY PROFILE

1 Name : NIKHIL YESHWANT GHARE

2. Date of Birth : 14 January 1968

3. Educational Qualification : B.Tech. (Chem. Engg.)

M.E (Chem. Engg.)

4. Work Experience :

- Teaching: 07 yrs
- Research :07 yrs
- Industry :05 yrs
- Others : 01 yrs

5. Area of Specializations : Chemical Engineering,

Waste Water Engineering

6 Subjects teaching at Under Graduate Level

:i) Process Dynamics and Control ii) Chemical Engineering Thermodynamics iii) Chemical Processes- I iv) Instrumentation & Process Control v) Industrial Pollution & Control

Post Graduate Level : - -

7. Research guidance : Not Applicable

No. of papers published in

Masters's: - - National Journals :03

Ph.D: - - International Journals : 01

Conferences : 01

8.Projects Carried out : 02

i)College Level : Recovery of Hydrochloric Acid from Pickling Waste Water

ii) IEI Sponsored : Recovery of Acids(Sulphuric/Nitric Acid) from Industrial Waste Water (Ongoing)

9. Patents : -- --

10. Technology Transfer : - -

11. Research Publications :

i) International Journals :

N.Y. Ghare, M. Suresh Kumar A.N. Vaidya A.S. Bal Recycling of pickling wastewater', J . Hazardous Waste & Hazardous Materials. pp73, 1999.

ii) National Journals :

1. V.S. Kulkarni,**N. Y. Ghare** and P. Khanna. 'Source Reduction & Cleaner Technologies" Chemical Industry Digest, pp-144, Jan-1994.

2. V. S. Kulkarni & **N.Y.Ghare** . "Cleaner Technologies of Industrial Production" Productivity . PP 84--1993

3. A.Bakore, **N.Y. Ghare** " Cleaner Technologies Case Study Database at NEERI ,India " Tech Monitor 1996

12.No of Books published with details : - -

Signature

FACULTY PROFILE

1. Name : A.R.LOKHANDE
2. Date of Birth : 18th October 1959
3. Educational Qualification : M.Tech.(Chem. Tech) ,D.B.M.
   D.C.A. MIE.(Chem)

Work Experience :

- Teaching: 07yrs
- Research :03 yrs
- Industry : 16 Years
- Others : 01 Year

4. Area of Specializations: Solvent Extraction Plant, Vegetable Oil Refinery
5. Subjects teaching at Under Graduate Level:

i) Energy Engineering. ii) Chemical Process Technology -II

iii) Computer Applications iv) Process Heat Transfer

Post Graduate Level : -- -

7. Research guidance : Not Applicable

No. of papers published in

Masters : - -

Ph.D.: -- -

- National Journals :05
- International Journals : - -
- Conferences : 01

8. Projects Carried out : Chemical Investigation Of Non-Traditional Oils
9. Patents : - -
10. Technology Transfer : - -

11.Research Publications :

i) National Journals :

1) "Alkanolamides of Ritha and Watermelon Oils :Soaps, Detergent,Toiletries, Review May "89. **A.R.Lokhande**, R.R.Khotpal, Dr.H.A.Bhakare . L.I.T.Nagpur.

2) Studies of Metallic Soaps from Non-Traditional Oils **A.R. Lokhande**, K.M. Patel, D.A. Rawal Department of Industrial Chemistry, V.P. & R.P.T.P. Science College, V.V. Nagar. SDTR Dec'89,P.P. 6-7.

3) Glycolipids Composition of Subabhul, Ritha & Kusum Seed Oils of Vidharbha Region J. Food. Sd. Tech. 1992 Vol. 29, No. 3, 179-18 1 **A.R. Lokhande**, A.S. Kulkarni, R.R. Khotpal, Dr. H.A. Bhakre, L.I.T, Nagpur

4) Chemical Compositions of Oils from some verities of Groundnuts (Archis Hypogiea) O.T.A.I. Vol. XXXV (2) April-June 1993 **AR. Lokhande**, S.D. Toliwal, D.A. Rawal, V.V. Nagar, Gujrat and A.S. Kulkarni, LIT, Nagpur

5) Alkyd Resin from $CuCl_2$ Polymerized Argemone Seed Oil.Research and Industry Vol. 38 Sept. 1993 P.P. 157 to 160 **A.R. Lokhande**, A.K. Dighe, D.A. Rawal, V.V. Nagar, Gujrat.

12. No.of Books published with details : - -

Signature

FACULTY PROFILE

1.Name : Miss. SOHARWARDI FARHA

2.Date of Birth : 05/05/1977

3.Educational Qualification :B.E.(Chemical Engineering)

4.Work Experience:

- Teaching : 06 months
- Research : -- --
- Industry : - - -
- Others : ----

5.Area of Specializations: Chemical Engineering

6.Subjects teaching at Under Graduate Level:

i) Unit Operation –I ii) Chemical Processes –II

Post Graduate Level: - -

7.Research guidance: Not Applicable

	No. of papers published in
Bachelor	- National Journals: -- --
Masters's	- National Journals : -- --
Ph.D.	-International Journals : ---
	- Conferences : -- --

8.Projects Carried out : - -

9.Patents :- -

10.Technology Transfer : - -

11.Research Publications :

i) International Journals :

ii) National Journals :

12.No of Books published with details : - -

Signature

B – BIOTECHNOLOGY

FACULTY PROFILE

1. Name : Dr. INDRASING DAGADU PATIL

2. Date of Birth : 1st June 1972

3. Educational Qualification : M.Sc. (Chem.Tech),
   Ph.D. (Chem. Tech.)

4.Work Experience :

- Teaching 13 yrs
- Research 08 yrs
- Industry Nil
- Others

5.Area of Specializations : Chemical Technology, Polymer Engineering

6.Subjects teaching at Under Graduate Level :

i)) Unit Operation – I (Fluid Mechanics ii) Process Calculations

iii) Mass Transfer – II, iv) Chemical Reaction Engineering.

Post Graduate Level : - -

i) Environmental Engineering Chemistry

7.Research guidance : Not Applicable

No. of papers published in

Masters's - National Journals :02

Ph.D. - International Journals : 01

Conferences : 02

8.Projects Carried out : - -

9.Patents :- -

10.Technology Transfer : - -

11.Research Publications :

i) International Journals : 01

S. Mishra & **I. D. Patil.** 'Application of polyacrylic acid as antiscaling agent in heat exchanger', Chem. Engg. & Tech. Vol. 25, Issue-5, pp-573, 2002.

ii) National Journals :02

1. S. Mishra, **I. D. Patil** and Y.P. Patil. 'Comparative study on polyacrylamide and homo polymer of acrylonitrile as anti scaling agent on Jalgaon ground water', J. Sci. Ind. Res., Vol. 59, pp-44, Jan-2000.
2. S. Mishra, **I. D. Patil** & Dipak Deore. " Study of sodium and potassium salts of polyacrylic acids as corrosion inhibitors" J- Sci. Ind. Res. Vol. 64, PP – 684- 687-2005

12. No.of Books published with details :

Signature

FACULTY PROFILE

1. Name : Sharanappa A
2. Date of Birth : 26th August 1983

3. Educational Qualification : B.E.(Biotech.).
   ME(Biotech & Biochem Engg) pursuing

4. Work Experience :
   - Teaching 03 years
   - Research -----
   - Industry -- --
   - Others -----

5. Area of Specializations: Biotechnology
6. Subjects teaching at Under Graduate Level:

i) Concepts in Biotechnology. ii) Bioprocess Principles. iii) Biological thermodynamics. iv)Immunology. v)Molecular Biology & Genetic Engineering. vi) Bioprocess Modeling & Simulation.

vii) Bioprocess Engineering-I. viii) Biochemical Engineering.

Post Graduate Level : Not Applicable

7. Research guidance : Not Applicable

No. of papers published in

Masters's	-	National Journals
Ph.D.	-	International Journals
	-	Conferences

8. Projects Carried out : College project – Biological Data warehousing for Karnataka Milk Federation.
9. Technology Transfer : - -

10. Research Publications :

11. No.of Books published with details :

Signature

FACULTY PROFILE

1. Name : Mr. Shamkant Bhaskar Badgujar
2. Date of Birth : 21st April 1983
3. Educational Qualification : M.Sc. (Biotechnology)

   PAT (Maharashtra State Ph.D. Aptitude Test)

   Ph. D. (Biotechnology) Pursuing
4. Work Experience :
   - Teaching 0 4 yrs
   - Research 0 2 yrs
   - Industry -- --
   - Others -----
5. Area of Specialization: **Biotechnology**
6. Subjects teaching at

   Under Graduate Level:--

   i) Microbiology, ii) Biochemistry, iii) Enzyme Engineering,

   iv) Plant Tissue Culture and Plant Biotechnology

   v) Fermentation Biotechnology I
7. Research guidance : Not Applicable

   No. of papers published in

   Masters's
   - National Journals: 03

   Ph.D.
   - International Journals 03
   - Conferences 05
8. Projects carried out: ----------
9. Technology Transfer: ----------
10. Research Publications: 06

i) International Journals: 03

1. **Badgujar S. B.** and Mahajan R. T. "Evaluation of Nematicidal properties of some Laticiferous plants" Green Farming, 2009, 2 (10): 680-684.
2. **Badgujar S. B.,** Mahajan R. T. and Kosalge S. B., "Traditional Practice for Oral Health Care in Nandurbar District of Maharashtra, India", Ethnobotanical Leaflets, 2008, 12: 1137-1144.
3. Mahajan R. T. and **Badgujar S. B.**, "Phytochemical Investigations of some Laticiferous Plants belonging to Khandesh Region of Maharashtra", Ethnobotanical Leaflets, 2008, 12: 1145-1152.

ii) National Journals: 03

1. **Badgujar S. B.** and Patil M. B., "Ethnomedicine for Jaundice from tribal areas in North Maharashtra", Natural Product Radiance, 2008, 7 (1):.79-81.
2. Mahajan R. T. and **Badgujar S. B.** "Ethnomedicinal values of Laticiferous plants used by tribal people of North Maharashtra, India", Research Link. 2008, 55, VII (8): 20-23.
3. **Badgujar S. B.** and Mahajan R. T. "Haemostatic Activity of Some Laticiferous Plants Belonging to Khandesh Region of Maharashtra, India" Journal of Biotechnology and Bioinformatics, 2009, 1 (1): 184-188.

11. No. of Books published with details: ----------

Signature

FACULTY PROFILE

1. Name : Mrs. Sarika Madhukar Badgujar
2. Date of Birth : 15th Jan 1982
3. Educational Qualification : B.Tech . (Chemical Engg.)
   GATE qualified (All India Rank 327)

   M.Tech (Chemical Engg.) Pursuing
4. Work Experience :
   - Teaching 2.8 yrs
   - Research ---
   - Industry -- --
   - Others -----
5. Area of Specialization: Chemical Engg.
6. Subjects teaching at

   Under Graduate Level:--

   i) Mass transfer-I, ii) Fluid Flow And Solid Handling
7. Research guidance : Not Applicable

   No. of papers published in

   Masters's - National Journals: --

   Ph.D. - International Journals --

   - Conferences ----
8. Projects carried out: ----------
9. Technology Transfer: ----------
10. Research Publications: ----------
11. No. of Books published with details: ----------

Signature

FACULTY PROFILE

1. Name : Ms. Pallavi Pandey
2. Date of Birth : 21st May 1984
3. Educational Qualification : B.Tech . (Biotechnology)

4. Work Experience :
   - Teaching 04 Months
   - Research ---
   - Industry -- --
   - Others -----
5. Area of Specialization: Biotechnology
6. Subjects teaching at

   Under Graduate Level:--

   i) Molecular Biology & Genetic Engg., ii) Fermentation Biotechnology II

7. Research guidance : Not Applicable

No. of papers published in

Masters's

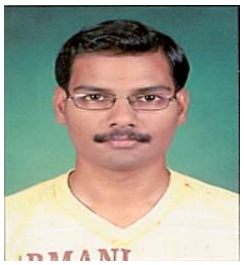
Ph.D.

- National Journals: --
- International Journals --
- Conferences ----

8. Projects carried out: ----------
9. Technology Transfer: ----------
10. Research Publications: ----------
11. No. of Books published with details: ----------

Signature

FACULTY PROFILE



1. Name : Mr. Jayant P.Parpalliwar
2. Date of Birth : 22nd July 1986
3. Educational Qualification : B.Tech . (Biotechnology)
   ME(Biotech & Biochem Engg) pursuing
4. Work Experience :
   - Teaching 1.3Year
   - Research ---
   - Industry -- --
   - Others -----
5. Area of Specialization: Biotechnology
6. Subjects teaching at
   Under Graduate Level:--
   i) Concepts in Biotechnology., ii) Bioseparation Processes

7. Research guidance : Not Applicable

No. of papers published in

Masters's - National Journals: --

Ph.D. - International Journals --

- Conferences ----

8. Projects carried out: ----------
9. Technology Transfer: ----------
10. Research Publications: ----------
11. No. of Books published with details: ----------

Signature

COMPUTER ENGGINEERING DEPARTMENT
FACULTY PROFILE

1.	Name	: Krishnakant Prabhudas Adhiya.
2.	Date Of Birth	: 07-12-1968
3.	Educational Qualification	: M.E. Computer Science & Engineering B.E. Computer Engineering
4.	Work Experience	:
	- Teaching	: 18 Years & 3 Months
	- Research	: Nil
	- Industry	: Nil
5.	Area of Specialization	: Computer Engineering
6.	Subject Taught at P.G. level	: Distributed Systems
	Subject Taught at U.G. level	: Advanced Unix programming, 8085 Microprocessor, Computer Fundamental Programming lab-I , Digital System Design, Computer Peripherals , & Interfacing , Computer Organization, Microprocessor-I, Operating System, Advanced Computer Architecture , Embedded System.
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
	No. of papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: 08
	- International Conferences	: 01
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. of books published with details	: 02 (1. Software Engg- Nirali Publication 2. Computer Organization-Nirali Publication)

Signature

FACULTY PROFILE

1.	Name	: Manoj Eknath Patil
2.	Date Of Birth	: 06/10/1975
3.	Educational Qualification	: M.Tech. (Computer Science & Engineering) B.E. (Computer Engineering.)
4.	Work Experience	:
	- Teaching	: 07 Years
	- Research	: Nil
	- Industry	: 01 Year 10 Month
5.	Area of Specialization	: ---
6.	Subject Taught at P.G. level	: Software Project Management
	Subject Taught at U.G. level	:Instrumentation and Diagnostic Tools, System Programming ,Software Engineering , Software Matrics and Quality Assurance , 8086 Microprocessor ,Embedded System.
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
	No. of papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: 01
	- International Conferences	: 02
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. of books published with details	: Nil

Signature

FACULTY PROFILE

1.	Name	: Sandeep Shankarrao Patil
2.	Date of Birth	: 20/01/1980
3.	Educational Qualification	: M. Tech. Computer Science & Engineering : B.E. Computer Engineering
4.	Work Experience	:
	- Teaching	: 08 Years 04 months
	- Research	: Nil
	- Industry	: Nil
5.	Area of Specialization	: Soft Computing
6.	Subject Taught at P.G. level	: Advanced Software Engineering
	Subject Taught at U.G. level	: Artificial Intelligence, System Programming, Microprocessor-III, Advanced Computer Architecture, Database Management System
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
	No. of papers published in	
	- National Journals	: Nil
	- International Journals	: 01
	- National Conferences	: 07
	- International Conferences	: 05
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. of books published with details	: 01 System Programming (T.E. Computer/I.T.)

Signature

FACULTY PROFILE

1.	Name	: Ashish Tryambak Bhole
2.	Date Of Birth	: 12/09/1976
3.	Educational Qualification	: M.Tech. (Computer Science & Engineering), B.E. Computer Engineering
4.	Work Experience	:
	- Teaching	: 7 Years
	- Research	: Nil
	- Industry	: 2.1 Years
5.	Area of Specialization	: Computer Engineering
6.	Subject Taught at P.G. level	: Network Centric Computing
	Subject Taught at U.G. level	: Computer Networks, Software Engineering, Software Metrics & Quality Assuarance, Internet Security, Advanced Computer Architecture, E-Commerce,Microprocessor-III, Microprocessor-II.
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
	No. of papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: 01
	- International Conferences	: 01
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. of books published with details	: Nil

Signature

FACULTY PROFILE

1.	Name	: Sanjay Sadhashiv Gharde
2.	Date Of Birth	: 14/09/1979
3.	Educational Qualification	: B.E.Computer Technology
4.	Work Experience	:
	- Teaching	: 06Years and 2 Months
	- Research	: Nil
	- Industry	: 02 Years
5.	Area of Specialization	: ----
6.	Subject Taught at P.G. level	: Nil
	Subject Taught at P.G. level	: Theory Of Computer Science , Management Of Information system, Compiler Construction, Object Oriented Modeling and Design, Database Management System, Data warehousing And Mining
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
	No. of papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: 05
	- International Conferences	: Nil
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. of books published with details	: 1 (Object Oriented Modeling & Design –Prakash Publication.)

Signature

FACULTY PROFILE

1. Name : Mr. Nitin Yashwant Suryavanshi

2. Date Of Birth : 27/01/1981

3. Educational Qualification : B.E.(Computer Science & Engineering)

4. Work Experience :
   - Teaching : 4.3 months
   - Research : Nil
   - Industry : Nil

5. Area of Specialization : B.E.(Computer Science And Engineering)

6. Subject Taught at P.G. level :Nil

   Subject Taught at U.G. level : Mobile Network, Theory of Computation, Analysis & Design of Algorithm

7. Research guidance at
   - Masters's level : Nil
   - Ph.D. level : Nil

   No. of papers published in
   - National Journals : Nil
   - International Journals : Nil
   - National Conferences : 03
   - International Conferences : Nil

8. Projects carried out : Nil

9. Patents : Nil

10. Technology Transfer : Nil

11. Research publications : Nil

12. No. of books published with details : Nil

Signature

FACULTY PROFILE

1. Name : Shital Abhimanyu Patil

2. Date Of Birth : 12/10/1982

3. Educational Qualification : B.E.Computer Engineering

4. Work Experience :
   - Teaching : 04 Year & 10 Months
   - Research : Nil
   - Industry : Nil

5. Area of Specialization : ----

6. Subject Taught at P.G. level : Nil

   Subject Taught at U.G. level : Computer Graphics,
   Data Structure & files,
   Discrete structure and graph theory,
   Application Development Tools Laboratory
   Programming Lab-I ,
   Programming Lab-II,

7. Research guidance at
   - Masters's level : Nil
   - Ph.D. level : Nil

   No. of papers published in
   - National Journals : Nil
   - International Journals : Nil
   - National Conferences : Nil
   - International Conferences : Nil

8. Projects carried out : Nil

9. Patents : Nil

10. Technology Transfer : Nil

11. Research publications : Nil

12. No. of books published with details : Nil

Signature

FACULTY PROFILE

1.	Name	:Vrishali Pundalik Sonawane
2.	Date Of Birth	:11-03-1984
3.	Educational Qualification	:B.E.Computer engineering
4.	Work Experience	:
	- Teaching	: 3 Years 10 Months
	- Research	: Nil
	- Industry	: Nil
5.	Area of Specialization	: ----
6.	Subject Taught at P.G. level	: Nil
	Subject Taught at U.G. level	: Database Management System, Digital System Design, Computer Graphics, Theory of Computer Science, Software Engineering, Introduction To computing,
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
	No. of papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: Nil
	- International Conferences	: Nil
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. of books published with details	: Nil

Signature

FACULTY PROFILE

1.	Name	: Miss. Nilima Prakash Patil
2.	Date Of Birth	: 21/10/1981
3.	Educational Qualification	: B.E.Computer Science & Engineering Diploma in Computer Engg .
4.	Work Experience	:
	- Teaching	: 3.2 years
	- Research	: Nil
	- Industry	: Nil
5.	Area of Specialization	: B.E.Computer Engineering
6.	Subject Taught at P.G. level	: Nil
	Subject Taught at U.G. level	: Computer Science-I, Computer Science-II. Programming Lab-I, Programming Lab-II, Microprocessor-I
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
	No. of papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: Nil
	- International Conferences	: Nil
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. of books published with details	: Nil

Signature

FACULTY PROFILE

1.	Name	: Ashwini Lokhande
2.	Date Of Birth	: 23/05/1985
3.	Educational Qualification	: B.E.Computer Engineering
4.	Work Experience	:
	- Teaching	: 3.2Years
	- Research	: Nil
	- Industry	: Nil
5.	Area of Specialization	: B.E.Computer Engineering
6.	Subject Taught at P.G. level	: Nil
	Subject Taught at U.G. level	: Operating System, Digital System And Microprocessor, Computer Graphics, Introduction to Computing, Data Communication, Microprocessor-III
7.	Research guidance at	
	- Master's level	: Nil
	- Ph.D. level	: Nil
	No. of papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: Nil
	- International Conferences	: Nil
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. of books published with details	: Nil

Signature

FACULTY PROFILE

1.	Name	:	Dipak D.Bage
2.	Date Of Birth	:	01/02/1982
3.	Educational Qualification	:	B.E. Computer Engineering, Diploma in ComputerTechnology.
4.	Work Experience	:	
	- Teaching	:	1 year 2 mth
	- Research	:	Nil
	- Industry	:	Nil
5.	Area of Specialization	:	B.E.Computer Engineering
6.	Subject Taught at P.G. level	:	Nil
	Subject Taught at U.G. level	:	Microprocessor-II, Microprocessor-III, Embedded System.
7.	Research guidance at		
	- Masters's level	:	Nil
	- Ph.D. level	:	Nil
	No. of papers published in		
	- National Journals	:	Nil
	- International Journals	:	Nil
	- National Conferences	:	Nil
	- International Conferences	:	Nil
8.	Projects carried out	:	Nil
9.	Patents	:	Nil
10.	Technology Transfer	:	Nil
11.	Research publications	:	Nil
12.	No. of books published with details	:	Nil

Signature

FACULTY PROFILE

1. Name :Miss Priti R.Sharma

2. Date Of Birth : 18/06/82

3. Educational Qualification : B.E.Computer Engineering

4. Work Experience :
   - Teaching : 1.8years
   - Research : Nil
   - Industry : Nil

5. Area of Specialization : ---

6. Subject Taught at P.G. level : Nil

   Subject Taught at U.G. level :,Discreate structure & Files, Microprocessor -1, Theory of computer Science,Digital System & Microprocessor, ADTL, CG,OS,SE

7. Research guidance at
   - Masters's level : Nil
   - Ph.D. level : Nil

   No. of papers published in
   - National Journals : Nil
   - International Journals : Nil
   - National Conferences :--
   - International Conferences : Nil

8. Projects carried out : Nil

9. Patents : Nil

10. Technology Transfer : Nil

11. Research publications : Nil

12. No. of books published with details : Nil

Signature

FACULTY PROFILE

1. Name : Harsha Deshmukh

2. Date Of Birth : 17/09/1986

3. Educational Qualification : B.E.Computer Engineering

4. Work Experience :
   - Teaching : 1 Year 3 months
   - Research : Nil
   - Industry : Nil

5. Area of Specialization : B.E.Computer Engineering

6. Subject Taught at P.G. level : Nil

   Subject Taught at U.G. level : Industrial Management and Economics
   Digital System Design
   ADTL
   System Programming(PR)
   Computer Networks(PR)
   Data Structures and files(PR)
   Object Oriented Modeling and Design(PR)

7. Research guidance at
   - Masters's level : Nil
   - Ph.D. level : Nil

   No. of papers published in
   - National Journals : Nil
   - International Journals : Nil
   - National Conferences : Nil
   - International Conferences : Nil

8. Projects carried out : Nil

9. Patents : Nil

10. Technology Transfer : Nil

11. Research publications : Nil

12. No. of books published with details : Nil

Signature

FACULTY PROFILE

1.	Name	: Chaudhari Amol Pandurang
2.	Date Of Birth	: 23/03/1985
3.	Educational Qualification	: B.E. Computer Engineering
4.	Work Experience	:
	- Teaching	: 10 months
	- Research	: Nil
	- Industry	: Nil
5.	Area of Specialization	: B.E (Computer Engineering.)
6.	Subject Taught at P.G. level	: Nil
	Subject Taught at U.G. level	:Introduction to computers Data Communication Microprocessor –II Database Management System(PR) Microprocessor – II(PR)
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
	No. of papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: Nil
	- International Conferences	: Nil
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. of books published with details	: Nil

Signature

FACULTY PROFILE

1. Name : Miss.Harmony.Harshad.Shah

2. Date Of Birth : 16/07/1988

3. Educational Qualification : B.E.Computer Engineering

4. Work Experience :
   - Teaching : 0.3 months
   - Research : Nil
   - Industry : Nil

5. Area of Specialization : B.E.(Computer Engineering)

6. Subject Taught at P.G. level : Nil

   Subject Taught at U.G. level : Microprocessor-2(PR)
   : Embedded Systems(PR)
   : Advanced Computer Network(TH)

7. Research guidance at
   - Masters's level : Nil
   - Ph.D. level : Nil

   No. of papers published in
   - National Journals : Nil
   - International Journals : Nil
   - National Conferences : Nil
   - International Conferences : Nil

8. Projects carried out : Nil

9. Patents : Nil

10. Technology Transfer : Nil

11. Research publications : Nil

12. No. of books published with details : Nil

Signature

FACULTY PROFILE

1. Name : Smt.Yogeshwari Borse

2. Date Of Birth : 01/06/1979

3. Educational Qualification : B.E.Computer Engineering

4. Work Experience :
   - Teaching : 3.5 months
   - Research : Nil
   - Industry : Nil

5. Area of Specialization : B.E.(Computer Engineering)

6. Subject Taught at P.G. level :

   Subject Taught at U.G. level : Computer Network(PR)
   : Artificial Intelligence(PR)

7. Research guidance at
   - Masters's level : Nil
   - Ph.D. level : Nil

   No. of papers published in
   - National Journals : Nil
   - International Journals : Nil
   - National Conferences : Nil
   - International Conferences : Nil

8. Projects carried out : Nil

9. Patents : Nil

10. Technology Transfer : Nil

11. Research publications : Nil

12. No. of books published with details : Nil

Signature

FACULTY PROFILE

1. Name : Miss. Rashmi R. Rathi

2. Date Of Birth : 16/05/1987

3. Educational Qualification : B.E. .(Information Technology)

4. Work Experience :
   - Teaching : 2.5months
   - Research : Nil
   - Industry : Nil

5. Area of Specialization : B.E.(Information Technology)

6. Subject Taught in M.B.A : Information Technology for Managers, Computer Application-II

   Subject Taught at U.G. level : Software programming(PR) System Application-II(PR)

7. Research guidance at
   - Masters's level : Nil
   - Ph.D. level : Nil

   No. of papers published in
   - National Journals : Nil
   - International Journals : Nil
   - National Conferences : Nil
   - International Conferences : Nil

8. Projects carried out : Nil

9. Patents : Nil

10. Technology Transfer : Nil

11. Research publications : Nil

12. No. of books published with details : Nil

Signature

FACULTY PROFILE

1. Name : Miss. Dipti V. Patil.
2. Date Of Birth : 25/11/1985
3. Educational Qualification : B.E. Computer Engineering
4. Work Experience :
   - Teaching : 1 months
   - Research : Nil
   - Industry : Nil
5. Area of Specialization : B.E.(Computer Engineering)
6. Subject Taught at P.G. level :Nil

   Subject Taught at U.G. level : Nil
7. Research guidance at
   - Masters's level : Nil
   - Ph.D. level : Nil

   No. of papers published in
   - National Journals : Nil
   - International Journals : Nil
   - National Conferences : Nil
   - International Conferences : Nil
8. Projects carried out : Nil
9. Patents : Nil
10. Technology Transfer : Nil
11. Research publications : Nil
12. No. of books published with details : Nil

Signature

FACULTY PROFILE

Information Technology

1.	Name	: Archana K. Bhavsar
2.	Date of Birth	: 22/02/1977
3.	Educational Qualification	: **M. Tech (CSE),** **B.E. (Computer Engg.)**
4.	Work Experience	:
	- Teaching	: 5Years 10 Months
	- Research	: Nil
	- Industry	: Nil
5.	Area Specialization	: Computer Science & Engg.
6.	Subject Taught at P.G. level	:
	Subject Taught at U.G. level	: Object Oriented Modeling & Design , Software Engineering, Programming Paradigm & Methodology,
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
	No. papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: 01
	- International Conferences	: Nil
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. books published with details	: 01
	Title -	: Object Oriented Modeling and Design
	Publications	: Prakash Publication, Jalgaon

Signature

FACULTY PROFILE

1.	Name	: Sandeep Jagannath. Patil
2.	Date Birth	: 16/09/1980
3.	Educational Qualification	: B.E. Information Tech.
4.	Work Experience	:
	- Teaching	: 5 Years 2 Months
	- Research	: Nil
	- Industry	: Nil
5.	Area Specialization	: Information Technology
6.	Subject Taught at P.G. level	: Nil
	Subject Taught at U.G. level	: Internet Security, Computer Networks, E-Commerce, Programming Paradigm & Methodology, Web Design
7.	Research guidance at	
	- Master's level	: Nil
	- Ph.D. level	: Nil
	No. papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: Nil
	- International Conferences	: Nil
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. books published with details	: Nil

Signature

FACULTY PROFILE

1.	Name	: Mr. N. P. Jagtap
2.	Date Birth	: 31/05/80
3.	Educational Qualification	: B.E. Information Technology
4.	Work Experience	:
	- Teaching	: 2 year 3 Months
	- Research	: Nil
	- Industry	: 2 year 5 month.
5.	Area Specialization	: Information Technology
6.	Subject Taught at P.G. level	: Nil
	Subject Taught at U.G. level	: ERP, IME,DBMS,IT,MIS,ADTL,SP.
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
	No. papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: Nil
	- International Conferences	: Nil
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. books published with details	: Nil

Signature

FACULTY PROFILE

1.	Name	: Mr. S.H.Rajput
2.	Date of Birth	: 26/10/1984
3.	Educational Qualification	: B.E.Computer Engineering
4.	Work Experience	:
	- Teaching	: 1 Year 9 Months
	- Research	: Nil
	- Industry	: Nil
5.	Area Specialization	: Computer Engineering
6.	Subject Taught at P.G. level	: Nil
	Subject Taught at U.G. level	: Digital System and Microprocessor, Theory of Computer Science, Software Metrics and Quality Assurance, Microprocessor-I (8086).
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
	No. papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: Nil
	- International Conferences	: Nil
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. books published with details	: Nil

Signature

FACULTY PROFILE

1.	Name	: Mr. Rahul M.Patil
2.	Date of Birth	: 29/05/1984
3.	Educational Qualification	: B.E. Computer
4.	Work Experience	:
	- Teaching	: 1 Year 5 Months
	- Research	: Nil
	- Industry	: 1 Year 7 Months
5.	Area Specialization	: Computer Engineering
6.	Subject Taught at P.G. level	: Nil
	Subject Taught at U.G. level	: Operating Systems,Embedded Systems,Artificial Intelligence, Computer Graphics
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
	No. papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: Nil
	- International Conferences	: Nil
8.	Projects carried out	: Incentive Calculation Systems for Kotak Securities,E-bus for ticketvala.com,Securities Back Office Distributed Cache Proxy Server
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. books published with details	: Nil

Signature

FACULTY PROFILE

1.	Name	: Mr. Rohidas B.Sangore
2.	Date of Birth	: 18/09/1985
3.	Educational Qualification	: B.E. Information Technology
4.	Work Experience	:
	- Teaching	: 4 Months
	- Research	: Nil
	- Industry	: 3 Months
5.	Area Specialization	: Information Technology
6.	Subject Taught at P.G. level	: Nil
	Subject Taught at U.G. level	: Multimedia Technique, E-commerce
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
No. papers published in		
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: Nil
	- International Conferences	: Nil
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil
12.	No. books published with details	: Nil

Signature

FACULTY PROFLE

1.	Name	: Ms. Madhubala Pandit Chaudhari.
2.	Date of Birth	: 24/04/1985
3.	Educational Qualification	:**B.E. (Computer)**
4.	Work Experience	:
	- Teaching	: 1 year 3 months
	- Research	: Nil
	- Industry	: Nil
5.	Area Specialization	: Computer
6.	Subject Taught at P.G. level	:
	Subject Taught at U.G. level	: System Programming Discrete Structure & Graph Theory Data Structure &Files Data Communication
7.	Research guidance at	
	- Masters's level	: Nil
	- Ph.D. level	: Nil
	No. papers published in	
	- National Journals	: Nil
	- International Journals	: Nil
	- National Conferences	: Nil
	- International Conferences	: Nil
8.	Projects carried out	: Nil
9.	Patents	: Nil
10.	Technology Transfer	: Nil
11.	Research publications	: Nil

12. No. books published with details : Nil

Signature

FACULTY PROFLE

1. Name : Ms. Anita S.Agrawal

2. Date of Birth : 04/10/1987

3. Educational Qualification :**B.E. (I. T.)**
4. Work Experience :
   - Teaching : 3 month
   - Research : Nil
   - Industry : Nil
5. Area Specialization : I.T.

6. Subject Taught at P.G. level :
   Subject Taught at U.G. level : Advance Unix Programing
   Programing labotory -I

7. Research guidance at
   - Masters's level : Nil
   - Ph.D. level : Nil

   No. papers published in
   - National Journals : Nil
   - International Journals : Nil
   - National Conferences : Nil
   - International Conferences : Nil

8. Projects carried out : Nil
9. Patents : Nil

10. Technology Transfer : Nil

11. Research publications : Nil

12. No. books published with details : Nil

Signature

FACULTY PROFILE

Electronics & Telecommunication

1. NAME : **Suralkar S. R.**

2. Date Of Birth : 28/10/1966

3. Educational Qualification : BE (Electronics)
   ME (Control & Instru.)

4. Work Experience :
   - Teaching : 19 Yrs
   - Research : -
   - Industry : -
   - Others : -

5. Area Of Specializations : Control & Instrumentation.

6. Subject Teaching At
   - Under graduation Level : Electronics Measurement, Electronics Instrumentation.
   - Post Graduate Level : Advanced Instrumentation System

7. Research Guidance :
   - ❖ Master's : -
   - ❖ Ph.D. : -
   - No. of paper published in :-
     - ❖ National Journals : -
     - ❖ International Journals : 01
     - ❖ Conference : 11

8. Projects Carried Out : -

9. Patents : -

10. Technology Transfer : -

11. Research Publications : 02

12. No. Of Books Published - With Details : -

Signature

FACULTY PROFILE

1. NAME : **Deshmukh M.P.**

2. Date Of Birth : 20/06/1966.

3.Educational Qualification : BE (Etx),
ME (Control & Instru.)

4. Work Experience :
   - Teaching : 19 Yr.s
   - Research : -
   - Industry : -
   - Others : -

5. Area Of Specializations : Control & Instru.

6. Subject Teaching At
   - Under graduation Level : AE, ECD, EEE,ECM
   - Post Graduate Level : -

7. Research Guidance :
   - ❖ Master's : -
   - ❖ Ph.D. : -
   - No. of paper published in :-
     - ❖ National Journals : -
     - ❖ International Journals : -
     - ❖ Conference : -

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published - With Details :

Signature

FACULTY PROFILE

1. NAME : **SHAH P. J.**

2. Date Of Birth : 11/08/1967

3. Educational Qualification :B.E.(Industrial Electronics), M.E.(Power Electronics)

4. Work Experience :
   - Teaching : -19.5 Yrs
   - Research : -
   - Industry : -01 year
   - Others : -7 Yrs (Visiting lecturer)

5. Area Of Specializations : Power Electronics, VLSI Design
6. Subject Teaching At
   - Under graduation Level : V.L.S.I. Design, Power Electronics, EEE Power Electronics – I & II
   - Post Graduate Level : -

7. Research Guidance :
   - ❖ Master's : -
   - ❖ Ph.D. : -
   - No. of paper published in :-
     - ❖ National Journals :-
     - ❖ International Journals :- 04
     - ❖ Conference :- 15

8. Projects Carried Out : -

9. Patents : -

10. Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published - With Details :

Signature

FACULTY PROFILE

1. NAME : **DESHMUKH V. M.**

2. Date Of Birth : 17/06/1965

3. Educational Qualification : B.E.(Electronics),
   M.E.(Control Systems)

4. Work Experience :
   - Teaching : - 18 Yrs
   - Research : -
   - Industry : -
   - Others : - 7 Yrs (Visiting lecturer)

5. Area Of Specializations : Electromagnetic & signal system

6. Subject Teaching At
   a. Under graduation Level : Optical Fiber Communication, EME,FCS,NL,SAS Circuit & Machine
   b. Post Graduate Level : -

7. Research Guidance :
   - ❖ Master's : -
   - ❖ Ph.D. : -
   - No. of paper published in :-
     - ❖ National Journals : -
     - ❖ International Journals : -
     - ❖ Conference : - 14

8. Projects Carried Out : -

9. Patents : -

10. Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published - With Details :

Signature

FACULTY PROFILE

1. NAME : Prashant.V.Thakre

2. Date Of Birth : 19th July 1970

3. Educational Qualification : M Tech,

4. Work Experience :
   - Teaching : - 14 years
   - Research : -
   - Industry : -
   - Others : -
   -

5. Area Of Specializations :- - Energy engineering , communications

6.Subject Teaching At
   - Under graduation Level : DSP,satellite comm, optical comm., digital comm. Basic electronics
   - Post Graduate Level :

7. Research Guidance :
   - ❖ Master's :
   - ❖ Ph.D. :

No. of paper published in :-
- ❖ National Journals : -
- ❖ International Journals : -
- ❖ Conference : - National – 03. International – 02

8. Projects Carried Out : - 01

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published With Details : -

Signature

FACULTY PROFILE

1. NAME : **Nyati SUNIL U.**

2. Date Of Birth : 10/01/1972

3. Educational Qualification : BE (E & TC)
   ME (Electronics & Communication)

4. Work Experience :
   - Teaching : - 9 Yrs.
   - Research : -
   - Industry : - 2 Yrs.
   - Others : -

5. Area Of Specializations : - Advanced Communication & Network Analysis & Synthesis

6. Subject Teaching At
   - Under graduation Level : C.S. I, C.S. II, N.A.S., N.A., D.C.,ITCT,Satellite Comm.
   - Post Graduate Level : -

7. Research Guidance :
   - ❖ Master's : -
   - ❖ Ph.D. : -
   - No. of paper published in :-
     - ❖ National Journals : -
     - ❖ International Journals : -
     - ❖ Conference : 09

8. Projects Carried Out : -

9. Patents : -

10. Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published - With Details : -

FACULTY PROFILE

1. NAME : **Kazi Nafees Ahmad M**.

2. Date Of Birth : 22/06/1972

3. Educational Qualification : B.E(Electronics),
ME (Electronics)

4. Work Experience :
- Teaching : -11 Yr.s
- Research : -
- Industry : - 2 Yrs
- Others : -

5. Area Of Specializations : T.V. Engg.

6. Subject Teaching At
- Under graduation Level : T.V. Engg. ,Consumer Elecronics, ECII,Optoelectronics,AICA
- Post Graduate Level : -

7. Research Guidance :
- ❖ Master's : -
- ❖ Ph.D. : -

No. of paper published in :-
- ❖ National Journals : -
- ❖ International Journals : -
- ❖ Conference : - 11

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published - -
With Details :

Signature

FACULTY PROFILE

1. NAME : **Wani Amol C.**

2. Date Of Birth : 30/07/1976

3. Educational Qualification : B.E.(Electronics),
M.E. (Electronics)

4. Work Experience :
- Teaching : - 8.5 Yr.s
- Research : -
- Industry : -
- Others : - 1 Yr Visiting Lecturership

5. Area Of Specializations : Basic Electronics, Design and Communication.

6. Subject Teaching At
- Under graduation Level : EDC -I, SDC, ECA, ECD, AE, EEE etc.
- Post Graduate Level : -

7. Research Guidance :
- ❖ Master's : -
- ❖ Ph.D. : -

No. of paper published in :-
- ❖ National Journals : -
- ❖ International Journals : -
- ❖ Conference : -01

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published With Details : - 01 Elements of Electronics Engineering. Vrinda Publication

Signature

FACULTY PROFILE

1. NAME : **Karode Atul H.**

2. Date Of Birth : 01/06/1976

3 Educational Qualification : B.E (Electronics),

4. Work Experience :
   - Teaching : 7.5 Yrs.
   - Research : -
   - Industry : - 2Yrs
   - Others : -

5. Area Of Specializations : - Digital Electronics

6 Subject Teaching At
   - Under graduation Level : Digital Electronics, Electronics Instrumentation, EM.
   - Post Graduate Level : -

7. Research Guidance :
   - ❖ Master's : -
   - ❖ Ph.D. : -
   - No. of paper published in :-
     - ❖ National Journals : -
     - ❖ International Journals : -
     - ❖ Conference : 03

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published - With Details :

Signature

FACULTY PROFILE

1. NAME : **Zope Pankaj H.**

2. Date Of Birth : 24/06/1975

3. Educational Qualification : ME (Digital Electronics),
B.E(Indust. Electronics),
C-DAC

4. Work Experience :
- Teaching : 7.5 Yr.s
- Research : -
- Industry : 01
- Others : -

5. Area Of Specializations : Digital Electronics

6 Subject Teaching At
- Under graduation Level : MMS,Microprocessor Tech, Microprocessor, MIP, MPMC , EEE
- Post Graduate Level : Parallel Computing

7. Research Guidance :
- ❖ Master's : -
- ❖ Ph.D. : -

No. of paper published in :-
- ❖ National Journals : -
- ❖ International Journals : 04
- ❖ Conference : 14

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published With Details : -

Signature

FACULTY PROFILE

1. NAME : Surendra P.Ramteke.

2. Date Of Birth : 31.03.1979
3. Educational Qualification : B.E (E&TC.)

4. Work Experience :
- Teaching : - 6 Yr.s
- Research : -
- Industry : -
- Others : -

5. Area Of Specializations : Digital Electronics.

6 Subject Teaching At
- Under graduation Level : Radiation&Microwave Techniques ,Signal Conditioners & Data converters,Analog Communication,Digital Electronics
- Post Graduate Level : -

7. Research Guidance :
- ❖ Master's : -
- ❖ Ph.D. : -

No. of paper published in :-
- ❖ National Journals : -
- ❖ International Journals : -
- ❖ Conference : - 04

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published - With Details :

Signature

FACULTY PROFILE

1. NAME : Sunil K. Khode

2. Date Of Birth : 01.01.1979

3. Educational Qualification :

B.E(Electronics&Telecomm.)

4. Work Experience :

- Teaching : - 04 yrs
- Research : -
- Industry : -
- Others : -

5. Area Of Specializations : Digital Electronics

6 Subject Teaching At

Under graduation Level : Analog & Digital Electronics,IED,Digital Communication,Information Theory & Coding Tech.,NL

- Post Graduate Level : -

7. Research Guidance :

- ❖ Master's : -
- ❖ Ph.D. : -

No. of paper published in :-

- ❖ National Journals : -
- ❖ International Journals : -
- ❖ Conference : 01

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published With Details :

Signature

FACULTY PROFILE

1. NAME : Patil Mayuri J.

2. Date Of Birth : 23-09-84

3. Educational Qualification : B.E(electronics and telecommunication)

4. Work Experience :

- Teaching : -2.7 Yrs
- Research : -
- Industry : -
- Others : -
-

5. Area Of Specializations :- -

6.Subject Teaching At

- Under graduation Level : Telimatics,EMC,EEE
- Post Graduate Level :

7. Research Guidance :

- ❖ Master's :
- ❖ Ph.D. :

No. of paper published in :-

- ❖ National Journals : - Nil
- ❖ International Journals : - Nil
- ❖ Conference : - Nil

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published With Details : -

Signature

FACULTY PROFILE

1. NAME : Pooja R Oza

2. Date Of Birth : 18/01/1985

3. Educational Qualification : B.E(E & TC)

4. Work Experience :

- Teaching : - 2 year 2 months
- Research : -
- Industry : -
- Others : -

5. Area Of Specializations :- -

6.Subject Teaching At

- Under graduation Level : FCS,EEE
- Post Graduate Level : -

7. Research Guidance :

- ❖ Master's : -
- ❖ Ph.D. : -

No. of paper published in :-

- ❖ National Journals : -
- ❖ International Journals : -
- ❖ Conference : -

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published - With Details :

Signature

FACULTY PROFILE

1. NAME : Kiran S Mantri
2. Date Of Birth : 26-01-83

3. Educational Qualification : B.E(electronics and telecommunication)
M.E appearing

4. Work Experience :

- Teaching : - 3 Year
- Research : -
- Industry : -
- Others : -

5. Area Of Specializations :- -

6.Subject Teaching At

- Under graduation Level : D.C.L.D,M.T,MIP,EEE,EMC,AE,R.M.T
- Post Graduate Level :

7. Research Guidance :

- ❖ Master's :
- ❖ Ph.D. :

No. of paper published in :-

- ❖ National Journals : - Nil
- ❖ International Journals : - Nil
- ❖ Conference : - Nil

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published - With Details :

Signature

FACULTY PROFILE

1. NAME : Mr.Ashish R Bari

2. Date Of Birth : 26-04-81

3. Educational Qualification : B.E(Electronics)

4 Work Experience :

- Teaching : - 2.2 Yrs
- Research : -
- Industry : -
- Others : -
-

5. Area Of Specializations :- -

6.Subject Teaching At

- Under graduation Level : EEE , ECM
- Post Graduate Level :

7. Research Guidance :

- ❖ Master's :
- ❖ Ph.D. :

No. of paper published in :-

- ❖ National Journals : - Nil
- ❖ International Journals : - Nil
- ❖ Conference : - Nil

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published - With Details :

Signature

FACULTY PROFILE

1. NAME : **Amrita Ashok Pande.**

2. Date Of Birth : 04/06/1986

3.Educational Qualification : B.E.(E&TC)

4. Work Experience :

- Teaching : - 2.2 Yrs.
- Research : -
- Industry : -
- Others : -

5. Area Of Specializations : -

6.Subject Teaching At
Under graduation Level : Analog & Digital Electronics., EEE, Software Application- I, Software Application-II

- Post Graduate Level : -

7. Research Guidance :

- ❖ Master's : -
- ❖ Ph.D. : -

- No. of paper published in :-
  - ❖ National Journals : -Nil
  - ❖ International Journals : - Nil
  - ❖ Conference : - Nil

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published - With Details :

Signature

FACULTY PROFILE

1. NAME : Miss Dahake Kiran Ramdas
2. Date Of Birth : 17 / 07 / 1986

3. Educational Qualification : B.E(E&TC)

4 Work Experience :

- Teaching : - 1 year 4 months
- Research : -
- Industry : -
- Others : -
-

5. Area Of Specializations :- -

6.Subject Teaching At

- Under graduation Level : Microprocessor and Microcontroller,EEE
- Post Graduate Level :

7. Research Guidance :

- ❖ Master's :
- ❖ Ph.D. :

No. of paper published in :-

- ❖ National Journals : - Nil
- ❖ International Journals : - Nil
- ❖ Conference : - Nil

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published -
With Details :

Signature

FACULTY PROFILE

1. NAME :PRAJAKTA PRADIP KHARUL

2. Date Of Birth : 28/04/1987

3. Educational Qualification : B.E.(E&TC)

4. Work Experience :

- Teaching : - 4 months

- Research : - -
- Industry : - 1 year
- Others : - -

5. Area Of Specializations : -

6.Subject Teaching At
Under graduation Level :,EEE, Network analysis & synthesis
Post Graduate Level : -

7. Research Guidance :
- ❖ Master's : -
- ❖ Ph.D. : -
- No. of paper published in :-
  - ❖ National Journals : -Nil
  - ❖ International Journals : - Nil
  - ❖ Conference : - Nil

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published -
With Details :

Signature

FACULTY PROFILE

1. NAME : Dipeeka R. Patil

2. Date Of Birth : 25-06-1981

3. Educational Qualification : B.E(Elex),

4. Work Experience :
- Teaching : - 3.5 years
- Research : -
- Industry : - 1.5 years

- Others : -

5. Area Of Specializations : -

6.Subject Teaching At
Under graduation Level :, FCS, CCN, EEE
- Post Graduate Level : -

7. Research Guidance :
  - ❖ Master's : -
  - ❖ Ph.D. : -
- No. of paper published in :-
  - ❖ National Journals : -Nil
  - ❖ International Journals : - Nil
  - ❖ Conference : - Nil

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published - With Details :

Signature

FACULTY PROFILE

1. NAME : Mrs. Mangala R. Dhotre.

2. Date Of Birth : 17/11/1981

3. Educational Qualification : B.E (E & TC)

4. Work Experience :
- Teaching : - 4.5 years
- Research : -
- Industry : -
- Others : -

5. Area Of Specializations : -

6. Subject Teaching At
Under graduation Level :, NAS, NL, FOC, Telematics, RMT,,EEE, MMS
Post Graduate Level : -

7. Research Guidance :
- ❖ Master's : -
- ❖ Ph.D. : -

- No. of paper published in :-
  - ❖ National Journals : -Nil
  - ❖ International Journals : - Nil
  - ❖ Conference : - 01

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published -
With Details :

Signature

FACULTY PROFILE

1. NAME :Priyanka M. Shanbhag

2. Date Of Birth :30/ 04/ 1988
3. Educational Qualification :BE (E&TC)
4. Work Experience :
   - Teaching : - 4 months
   - Research : -

- Industry : -
- Others : -

5. Area Of Specializations : -

6. Subject Teaching At
   Under graduation Level :, EEE
   Post Graduate Level : -

7. Research Guidance :
   - ❖ Master's : -
   - ❖ Ph.D. : -
   - No. of paper published in :-
     - ❖ National Journals : -Nil
     - ❖ International Journals : - Nil
     - ❖ Conference : - Nil

8. Projects Carried Out : -

9. Patents : -

10. Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published - With Details :

Signature

FACULTY PROFILE

1. NAME :PRITI JAGATSING RAJPUT

2. Date Of Birth : 21/11/1987

3. Educational Qualification : B.E.(E&TC)

4. Work Experience :
   - Teaching : - 2 month
   - Research : -
   - Industry : -

- Others : -

5. Area Of Specializations : -

6.Subject Teaching At
Under graduation Level :,EEE
- Post Graduate Level : -

7. Research Guidance :
  - ❖ Master's : -
  - ❖ Ph.D. : -
- No. of paper published in :-
  - ❖ National Journals : Nil
  - ❖ International Journals : Nil
  - ❖ Conference : 2

8. Projects Carried Out : -

9. Patents : -

10.Technology Transfer : -

11. Research Publications : -

12. No. Of Books Published -
With Details :

Signature

ELECTRICAL ENGINEERING DEPARTMENT

PROFILE OF FACULTY

1. Name : Vijay S Pawar

2. Date of Birth :08/04/1971

3. Educational Qualification : BE Electrical , ME (Power System)

4. Work Experienced:

   a. Teaching : 15Years

   b. Research : Nil

   c. Industry : Nil

   d. Other : Nil

5. Area of Specialization: Electrical Power System

6 Subjects teaching at UG level : CS , PSDP, CMPSA

Subjects teaching at PG level : Nil

7 Research's Guidance Master's : Nil

Ph.D : Nil

No . of paper published in a. National journal : Nil

b. Internal national journal : Nil

c. Conference : 04

8. Project carried out : Nil

9. Patents : Nil

10. Technology Transfer : Nil

11. Research publication : Nil

12. No. of book published with detail : Nil

Signature

PROFILE OF FACULTY

1. Name : M Mujtahid Ansari
2. Date of Birth :11/10/1973
3. Educational Qualification : BE Electrical, ME (EPS)
4. Work Experienced:
   a. Teaching : 09 Years
   b. Research : Nil
   c. Industry : 02 Year, 6 Month
   d. Other
5. Area of Specialization : Electrical
6. Subjects teaching at UG level : EM/C-I, EM/C-II & PSOC

   Subjects teaching at PG level : Nil
7. Research's Guidance Master's : Nil

   Ph.D : Nil

   No . of paper published in a. National journal : Nil

   b. Internal national journal : Nil

   c. Conference : Nil
8. Project carried out : Nil
9. Patents : Nil
10. Technology Transfer : Nil
11. Research publication : Nil
12. No. of book published with detail : 01, Element of Electrical Engineering Vrinda Publication, Jalgaon.

Signature

PROFILE OF FACULTY

1. Name : Suhas Manohar Shembekar

2. Date of Birth : 31/08 /1976

3. Educational Qualification: BE Electrical

4. Work Experienced:

   a. Teaching : 09 Years

   b. Research : Nil

   c. Industry : Nil

   d. Other : Nil

5. Area of Specialization : Electrical

6 .Subjects teaching at UG : PS-II,ACCT,EMIE,PSDP

Subjects teaching at PG level : Nil

7. Research's Guidance Master's : Nil

   Ph.D : Nil

No . of paper published in a. National journal : Nil

b. Internal national journal : Nil

c. Conference : Nil

8. Project carried out : Nil

9. Patents : Nil

10. Technology Transfer : Nil

11. Research publication : Nil

12. No. of book published with detail : Nil

Signature

PROFILE OF FACULTY

1. Name : Dhanesh S. Patil

2. Date of Birth : 23 /07 /1983

3. Educational Qualification: BE Electrical

4. Work Experienced:

   a. Teaching : 1.75 Year

   b. Research : Nil

   c. Industry : Nil

   d. Other : Nil

5. Area of Specialization : Electrical

6. Subjects teaching at UG level :EEM, PS-I, PS-II, IOM,EAC

   Subjects teaching at PG level : Nil

7. Research's Guidance Master's : Nil

   Ph.D : Nil

   No . of paper published in a. National journal : Nil

   b. Internal national journal : Nil

   c. Conference : Nil

8. Project carried out : Nil

9 . Patents : Nil

10. Technology Transfer : Nil

11. Research publication : Nil

12. No. of book published with detail : Nil

Signature

PROFILE OF FACULTY

1. Name : Sattyendrasing Akashsing Seragi

2. Date of Birth : 01 /06 /1983

3. Educational Qualification: BE (E&TC)

4. Work Experienced:

   a. Teaching : 10 months

   b. Research : Nil

   c. Industry : 1.5 years

   d. Other : Nil

5. Area of Specialization : Electronics & Telecommunication

6. Subjects teaching at UG level :IDC,EME,EIED,PE

   Subjects teaching at PG level : Nil

7. Research's Guidance Master's : Nil

   Ph.D : Nil

   No . of paper published in a. National journal : Nil

   b. Internal national journal : Nil

   c. Conference : Nil

8. Project carried out :Nil

9. Patents : Nil

10. Technology Transfer : Nil

11. Research publication : Nil

12. No. of book published with detail : Nil

Signature

PROFILE OF FACULTY

1. Name : Dineshkumar Uttamrao Adokar

2. Date of Birth : 31/03/1965

3. Educational Qualification: M.E. (Electronics)

4. Work Experienced:

   a. Teaching : 22 Years

   b. Research : Nil

   c. Industry : Nil

   d. Other : Nil

5. Area of Specialization : Electronics

6. Subjects teaching at UG level : MPMC

   Subjects teaching at PG level : DSD

7. Research's Guidance Master's : 01

   Ph.D : Nil

   No. of paper published in a. National journal : Nil

   b. Internal national journal: Nil

   c. Conference: International-01,

   National-05

8. Project carried out : Nil

9. Patents : Nil

10. Technology Transfer: Nil

11. Research publication: Nil

12. No. of book published with detail: Nil

Signature

FACULTY PROFILE

Mechanical Department

Name **: Dr. N. V. Halegowda**

Date of Birth **:** 18 / 12 / 1950

Highest Qualification **:** Ph.D. (Mech).

Academic Performance:

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.L.C	Science	1966	G.H.S. Shimoga, Karnataka.	HSC Board	40.8	IInd
P.U.C.	Science	1968	Sahyadri College Shimoga, Karnataka.	Univ. of Mysore	50.8	IInd
B.E.	Mechanical	1982	P.E.S. C.O.E. Mandya, Karnataka.	Univ. of Mysore	50 Average	IInd
M.E.	Mechanical	2000	S.A.T.I. Vidisha.(M.P.)	Barkatullah University , Bhopal	77	1st Division with Distinction
Ph.D	Mechanical	2006	S.A.T.I. Vidisha.(M.P.)	Barkatullah University , Bhopal	--	Awarded

Date of Joining **:** 16 / 08 / 1988

Status as on date of Joining **:** In charge W/S Superintendent

Salary as on date of joining **:** Rs. 1000 + Allowances.

Present status **:** Professor & Head of Mechanical Engg. Dept.

Salary as on date **:** Rs.44, 694/- (Gross)

Number of promotions **:** 03

Achievements since date of joining: -

Faculty Development	1. Participated in Faculty Development Programme Conducted at Samrat Ashok Technological Institute Vidisha (MP). During 27 / 08 / 1997 to 08 / 09 / 1997. 2. Participated in training of IDEAS CAD/CAM Software organized at SSBT'S COET, Jalgaon by TATA ELXI Pune. 3. Participated in two day workshop on MAT LAB conducted in SSBT'S COET, Jalgaon on 22nd and 23rd July 2003 by India Soft Technology etc.
R & D	Ph.D Work / M. E. Projects.
Conferences / Publications	1. Presented and published paper on "Knowledge Management Frame Work And Its Application For Competitive Evaluation" in National conference held at Bhopal, during 6 to 09 / 12 / 02. 2. Presented and published paper on "Knowledge Management in various Industrial Economies – An Analytical Approach" in National conference held at Bhopal, during 27 to 28/09/02. 3. Paper presented on "Valuation of plant and machinery" in National conference held at JNNCE Shimoga Karnataka state during 12-14, Feb 2004. 4. Participated in the seminar on "Topics on Engg Education" Organized by COET Bambhori. Jalgaon from 11 to 17 of Aug 1998. 5. Participated in ISTE seminar on "Topics related to Engg Education" organized jointly by SSBT'S COET, North Maharashtra University, Jalgaon and Engineering Education, Pune, on Dec 26th 1998.
Seminars / STTP	1. Organized one day Seminar on "Low Cost Automation" on 21st April 2007 at C.O.E.T. Bambhori, Jalgaon. 2. Attended the five days QIP short Term course on "Advanced Vibration" conducted by IIT Bombay, during July 3-7, 2007. 3. Attended the five days QIP short Term course on "Innovative Mechanical Design" conducted by IIT Bombay, during May 15-19, 2007. 4. Attended the five days QIP Short Term Course on " Micro Machining" Conducted by IIT Kanpur, During June 18-23, 2007.
Extra - Curricular Activities	1. Member of Campus Development & Maintenance committee of the college. 2. Member of Students welfare Committee. 3. Member of College Level NBA Process Committee. 4. Chairman of Practorial Committee. 5. Visiting faculty to Govt. C.O.E., Jalgaon. 6. Visiting faculty to U.D.C.T. N.M.U. Jalgaon.
Administration	1. Head of Mechanical Engg. Dept. 2. Co-ordinator for P.G. Course in Mechanical Engg. (M/c Design)

Performance appraisal during last three years: Submitted

Self-Appraisal

Strengths

1. Qualification.
2. Experience.
3. Student's faith and confidence.
4. Self-confidence in teaching and administration work.

Weakness

Believing everyone **Sign**

FACULTY PROFILE

Name : **Jitendra Rupsing Chaudhari**

Date of Birth : 01/11/1966

Highest Qualification : M.Tech. (Metallurgical Engg)

Academic Performance:

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C		1982 March	NEMS Jalgaon	Pune Board	69	First
H.S.C.	Science	1984 March	M.J College Jalgaon	Pune Board	60	First
B.E.	Production Engg	1990 Aug.	COET. Jalgaon	Pune University	64.68	First
M.Tech.	Metallurgical Engg	1996 Dec.	VRCE. Nagpur	Nagpur University	76	First with Distinction
MBA	Marketing Management	1994 Dec.	IMR Jalgaon	NMU	61	First

Date of Joining : 30 / 08 / 1990

Status as on date of Joining : Lecturer

Salary as on date of joining : Rs. 2,200/- (Gross)

Present status : Assistant Professor

Salary as on date : Rs.40138/- (Gross)

Number of promotions : 01

Achievements since date of joining: -

Faculty Development	1. Completed M.B.A (Marketing Mgmt) in 1994. 2. Completed M.Tech (Metallurgical Engg) in 1996. 3. Participated in "Induction training Programme sponsored by AICTE New Delhi, and Organized by Academic Staff College in collaboration with Z.H. College of Engg & Tech, Aligarh & Muslim University Aligarh. From 11-05-1998 to 30-05-1998. 4. Attended ISTE "Training of Trainers Programme" on PADS conducted by KITS, Warangal at JNTU, and Hyderabad from 9th Jan 1995 to 11th Jan 1995. 5. Participated in training of IDEAS CAD/CAM Software organized at SSBT'S COET, Jalgaon by TATA ELXI Pune. 6. Participated in Two Day Workshop on MAT LAB conducted in SSBT'S COET, Jalgaon on 22nd and 23rd July 2003 by India Soft Technology etc. 7. Pursing Ph.D. in Mechanical Engg.
No. of Publications	1. Presented Paper on "Sustainable Environmental Development Through Technical Education" at ISTE annual convention 1997, held on 11 to 13 Nov 1997 at Punjab Agricultural University, Ludhiana. Punjab. 2. Published Paper on "A review on EGR" at JTM COE Faizpur, National Level paper in National Conference on "Innovations in Mechanical Engineering." on 29-03-07.
Conferences/ Seminars	1. Participated in One day Work Shop on Syllabus framing from S.E. to B.E of NMU Jalgaon. Conducted by by S.S.B.T's COET, Jalgaon on 06-09-1998. 2. Attended the ISTE annual convention 1997, held on 11 to 13 Nov 1997 at Punjab Agricultural University, Ludhiana. Punjab 3. Participated in the seminar on "Topics on Engg Education" Organized by COET Bambhori. Jalgaon from 11 to 17 of Aug 1998. 4. Participated in ISTE seminar on "Topics related to Engg Education" organized jointly by SSBT'S COET, Jalgaon NMU, Jalgaon and Engineering Education, Pune, on Dec 26th 1998. 5. Participated in the Work Shop organized in S.S.B.T's COET, Jalgaon by MITCON in 2004 on" Entrepreneur Development" 6. Participated in the Industrial training program organized at MARICO industries LTD. By Maharashtra Economic Development Council, Mumbai in 2005 7. Participated in the short term program on the "Advances in finite Element method & applications" organized by KDK college of Engg. Nagpur. 8. Participated in the short term program on the "Mechatronics" organized by VNIT Nagpur for the duration 2Jan. to 14Jan. 2006. 9. Participated in seminar on "LOW COST AUTOMATION" held at COET Jalgaon on 21 April 2007. 3 day Teachers Training Program Organised by COET Jalgaon
Extra -Curricular Activities	1. ISTE Secretary for staff Chapter COET, Jalgaon, since 1992-2002. 2. Faculty Advisor for ISTE Students Chapter COET Jalgaon. Since 1996-2002. 3. Technical & Cultural event organizing since 1995. 4. Welcoming Session & Orientation of F.E Students each year. 5. Wall-Magazine In-Charge with Cultural committee Chairman since 2000 to 2004. 6. Coordinator for F.E for the year 2000-2001 & 2001-2002

Administration	1. Material science & Metallurgy Lab In-charge, since 1997. to 2006. 2. ISTE Secretary for staff Chapter COET, Jalgaon, since 1992- 3. Faculty Advisor for ISTE Students Chapter COET Jalgaon. Since 96-02 4. Technical & Cultural event organizing since 1995. 5. Welcoming Session & Orientation of F.E Students each year since 1992. 6. Wall-Magazine In-Charge with Cultural committee Chairman since 2000. 7. Admission committee Chairman from year 2003 till date 8. Organized Exam of MH-CET 2003 & work as CTA at COET center 9. Organized Exam of MH-CET (MBA) 2003 to 2006 & work as CTA at COET center 10. Organized Exam of MH-CET (MCA) 2003 to 2006 & work as CTA at COET center 11. Organized Exam of MH-CET (ARCH) 2003 to 2005 & work as CTA at COET center 12. LMC Member of College local Management committee since Dec.2006 13. Assistant Professor & work – 14. Co-ordinator for proposed course MBA to be started 15.Work shop Superintendent since Aug. 2006 to 2008.
Others	1. Visiting faculty for S.E (Mechanical Engg & Instrument), T.E (Mechanical Engg) Government College of Engg Jalgaon, since 1997 to 2002. 2. Visiting faculty for S.E (Chemical Technology & Engg) in University Department of Chemical Technology of North Maharashtra University, Jalgaon for the years 2000-2001 & 2001-2002. 3. Conducting Practicals for Material Science & Metallurgical Engg for S.E & T.E Mechanical Engg Students of Government College of Engg. Since 1997. 4. Examiner in DIPEX IN 2003 & 2004.

Performance appraisal during last three years: Submitted

Self-Appraisal

Strengths

1. Good Presentation Skills & good command on languages.
2. Regularity and Punctuality.
3. 13 years of experience.
4. Believe in completion of work in excellent way.

Weakness

1. Bit liberal in checking matters.
2. Not up-to-date in record keeping.

Sign

FACULTY PROFILE

Name : **Er. N. K. Patil**

Date of Birth : 23 / 09 / 1969

Highest Qualification : M. Tech.

Academic Performance:

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C		1984	NEMS Jalgaon	Pune Board	78	Dist
H.S.C.	Science	1986	M.J College Jalgaon	Pune Board	66	First
B.E.	Production Engg.	1991	C.O.E.T., Bambhori	Pune Univ.	60	First
M.B.A.	Materials Mgt.	1993	I.M.R., Jalgaon	N.M.U., Jalgaon	65	First
M.Tech.	Energy Mgt.	1995	S.E.S., Indore	D.A.V.V. Indore	81	Dist.
D.C.M.	Computers Management	1996	I.M.R., Jalgaon	N.M.U. Jalgaon	63	First
M.E.	M/c Design	2008	SSBT's COET Bambhori, Jalgaon.	NMU Jalgaon	70.00%	Distin.

Date of Joining : 02 / 09 / 91

Status as on date of Joining : Lecturer

Salary as on date of joining : Rs 2200/- (Basic)

Present status : Assistant Professor

Salary as on date : Rs. 35,066/- (Gross)

Number of promotions : 02

Achievements since date of joining: -

Faculty Development	1. Completed M.B.A (Materials Mgt) in 1993, 2. Completed M.Tech (Energy Mgt.) in 1995. 3. Completed "EMCAT Basic Industrial Auditing" course from 6th Mar to 10th Mar, 1995, organized by United states agency for international development, IDBI, Resources management associates of Madison, Inc. 4. Completed "Software Technology & System Management" course from NIIT, Pune in May 1995. 5. Participated in "Induction Training Programme" sponsored by AICTE New Delhi, and Organized by Academic Staff College in collaboration with Z.H. College of Engg & Tech, Aligarh & Muslim University Aligarh, from 11-05-1998 to 30-05-1998. (3 weeks) 6. Completed "Industrial Training on CNC" conducted by Technofour Electronics Pvt. Ltd., Pune from 09-08-98 to 12-08-98. 7. Completed "Course on Metrology & Gauging" conducted by IIPE, Bangalore, from 10-04-00 to 15-04-00. 8. Attended ISTE "Induction Training Programme" conducted by J.T.M. C.O.E.T., Faizpur, from 26-12-00 to 04-01-01. 9. Participated in "NBA training workshop" conducted by I.E. (I), Pune local centre. 10. Completed "Master's program in CAD – AutoCAD & I-DEAS" from Techno Park- CAD/CAM/CAE/CNC Research Centre, Jalgaon in May 02. 11. Participated in "Foundation course in 3D modeling using CATIA" organized by CADCAM guru and University of Pune in Aug 02. 12. Completed "Proficiency in CATIA" from University of Pune, in Aug 02. 13. Participated in Two Day Workshop on MAT LAB conducted in SSBT'S COET, Jalgaon on 22nd and 23rd July 2003 by India Soft Technology from 22-07-03 to 23-07-03. 14. Participated in "Orientation Program for Engg. College teachers", conducted by Engg. Education Foundation, from 11-07-03 to 13-07-03 at C.O.E.T. Bambhori. 15. Undergone "Training, Testing and Maintenance of Metrology Instruments" from G.G. Instruments, Pune, from 18-11-03 to 21-11-03. 16. Attended "Entrepreneurship Awareness Camp" conducted by MITCON from 29-03-04 to 31-03-04. 17. Attended "Short Term Training Programme on Finite Element Analysis and its application", conducted by KDK College of Engg., Nagpur, from 29-11-04 to 10-12-04. 18. Participated in "Workshop on Emerging Trends in HR Management for the campus selections", conducted by Channabasaveshwara Institute of Technology, Tumkur from 28-10-05 to 29-10-05. 19. Attended "Refresher course in Production Engg – Automation in Manufacturing Engineering", conducted by BIT, Mesra, Ranchi, from 28-11-05 to 17-12-05. (3 weeks) 20. Pursing M.E. (Machine Design) 21. Participated in "Certificate of Training in MATLAB & SIMULINK", conducted by India Soft Technologies (P) Ltd. On 25-08-06.
Teaching Award	1. Certificate of excellence for the best result in Tool Design was awarded in the year 2002 by the college. 2. Certificate of recognition for the best result in Machine Design & Computer Graphics was awarded in the year 2003 by the college.
Books / Monographs	1. Written a book titled "Elements of Mechanical Engg. (Coauthored by P.I.Ugran & M.V.Rawlani) for students of first year Engg. Published by Everest publication Pune.

	2. Written a book titled "Material Science" (Coauthored by M.V.Rawlani) for students of second year diploma published by Vrinda publication Jalgaon. 3. Written a book titled "Engg. Thermodynamics (Coauthored by Joshi & Tumne) for students of first year Engg. Published by Nirali publication Pune.
Conferences/ Seminars	1. Participated in Workshop on Syllabus framing for SE to BE of NMU, Jalgaon, conducted by SSBT's C.O.E.T., Bambhori, Jalgaon, on 06-09-98. 2. Participated in Workshop to frame detailed syllabus of Engg. Graphics, Thermodynamics & Machine Drawing conducted by JTM's COE, Faizpur, on 14-04-04. 3. Presented National Level Paper on "Micro-Electronic System" in National Seminar on Automation in Mech. Engg.", conducted by JTM COE, Faizpur, on 02-07-04. 4. Participated in Workshop to frame detailed syllabus of Workshop Practice I & II conducted by JTM COE, Faizpur, on 14-08-04. 5. Presented a National Level paper in National Conference on "Innovations in Mechanical Engineering." on 29-03-07. 6. Presented a National Level paper in Symposium conducted by Sir Vishveshwaraya Memorial Engineering College, Nasik on 30-03-07 7. Participated in National Seminar on "Low Cost Automation" conducted by SSBT's COET, Bambhori, Jalgaon on 21 – 04 - 07.
Extra -Curricular Activities	1) Class Teacher & Coordinator for B.E (Mech) for the year 2003-2004, 2004-2005, 2005-06. 2) Member of NBA Process Committee. 3) Work done for Admission Committee for 2003-2004, 2004-05 4) Incharge Training & Placement Cell. 5) MBA Coordinator.
Administration	1. Chairman, Adhoc Board of Studies for Production and Automobile Engg. of North Maharashtra University, Jalgaon in the year 2001-03. 2. Member, Faculty of Engg. & Tech., North Maharashtra University, Jalgaon in the year 2001-03. 3. Member, Academic Council, North Maharashtra University, Jalgaon in the year 2001-03. 4. Founder Chairman, Shrama Sadhana Engineering Alumni, Jalgaon. 5. Training & Placement Officer 6. Class Teacher, T.E.(Mech), B.E. (Mech) 7. Industrial Tour In-charge for Mech. & Prod Engg. (Total 10 times) 8. Visiting faculty in Govt. C.O.E., Jalgaon. 9. Visiting faculty in U.D.C.T., Jalgaon. 10. Visiting Faculty in Dhanaji Nana Management College, Jalgaon. 11. Visiting expert in Bhagirathi ITI for CAD/CAM/CAE/CNC. 12. Examiner in DIPEX IN 2003 & 2004. 13. Examiner in Open House Programmes conducted by UDCT, Jalgaon, in 2002 & 2003

Performance appraisal during last three years: Submitted

Self-Appraisal

Strengths

1. Best counseling & convincing power.
2. Best strategies, policies and decision-making capability.

Weakness

1. Traveling.
2. Straightforwardness.

Sign. .

FACULTY PROFILE

Name : **M. S. Murthy**

Date of Birth : 01/07/1972

Highest Qualification : M. Tech. (Thermal Engg)
N.I.T.SILCHAR

Academic Performance:

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage
CLASSX		1987	Kendriya vidyalaya	C.B.S.E	83.4
CLASSXII	M,Bi,P,C	1989	Kendriya vidyalaya	C.B.S.E	69.3
B.TECH	MECHANICAL	1993	N.B.K.R I.S.T	S.V. UNIVERSITY	69.7
M.O.T. CLASSIV	MARINE ENGG	1999		MMD GOVT.OF INDIA	-
M.Tech	THERMAL ENGG	2007	N.I.T. SILCHAR	N.I.T. SILCHAR	9.24/10 C.G.P.A
Ph.D	MECH ENGG	PURSUING	N.I.T. SILCHAR	N.I.T. SILCHAR	

Date of Joining : 24 / 07 / 2008

Status as on date of Joining : Asst. Prof

Salary as on date of joining : Rs. 25,750/-

Present status : Assistant Professor

Salary as on date : Rs.30800/- (Gross)

Faculty Development	3. Cleared GATE EXAM with an A.I.R of 3721 4. Completed M.Tech (Thermal Engg) in 2007. 8. One year specialized MOT training in **"MARINE ENGINEERING"** from Garden reach Ship Builders and Engineers Limited., Calcutta., A Govt., of India undertaking. 9. Undergone **BASIC FIRE FIGHTING COURSE** from IIPM Calcutta during Jan 1996-Jan1997 10. Undergone **ADVANCED FIRE FIGHTING AND FIRE PREVENTION COURSE** conducted by **MARITIME TRAINING INSTITUTE"** A Govt. of India Undertaking. 11. Undergone **OIL TANKER FAMILIARISATON** Course from AIMT Mumbai (Recognised by Govt. of India). This course dealt with specifically prevention and fighting fires in Petroleum Products and Chemical Environment. 12. Undergone **'PROFICIENCY COURSE IN MEDICAL FIRST AID"** as required in various industries from AMET, Chennai (Recognized by Govt. of India) 13. Undergone **"PERSONNEL SAFETY AND SOCIAL RESPONSIBILITIES COURSE"** from AMET (Recognized by Govt. of India). This course deals specifically in safety of personnel and property in industrial work environment 14. undergone **SAP training** (plant maintenance module)
No. of Publications	1) Presented a paper on **organic fuel additives for use in I.C.Engines** at the international conference on fuel additive held at I.I.T.Mumbai 1994. 2) Presented a paper at the 2nd national conference on non-renewable energy resources at National Engg. College. Tamilnadu on **solar ponds for desalination of seawater through low-pressure evaporators in dec.2005.** 3) Paper titled exergy **analysis of 500 mw thermal** selected for presentation at the international conference on THERMAL POWER II.held at New Delhi 7-8 Nov 2008 4)Presented a paper titled **Solar Energy Storage –The Hydrogen Option** at the **National Conference On Recent Trends In Mechanical Engineering during Dec 20-21 2008** 5) presented a paper titled **Exergy Analysis Of A Thermal Power Plant - A Case Study Of KTPS -V** at the **National Conference On Recent Trends In Mechanical Engineering during Dec 20-21, 2008** 6)Paper titled **Policies For Sustainable Development Of Vegetable oils as Bio Fuels** selected for presentation at the **International Conference On Advances In Mechanical And Building Sciences' In The 3rd Millennium** at V.I.T Vellore during 14-16, Dec 2009 7) Paper titled **Corn Based Ethanol Vs. Cellulosic Ethanol** selected for presentation at the **International Conference On Advances In Mechanical And Building Sciences' In The 3rd Millennium** at V.I.T Vellore during 14-16, Dec 2009.
Workshops	1.Attented workshop on development of non conventional enegy in the AICTE approved institutions organized by Administrative staff college of India at Hyderabad during 25-27th Nov 2007

	2. attended two day work on engineering colleges teachers training organized by Shram shadhana Bombay trust college of engineering and technology during 11 and 12 July 2009.
Projects	***1. Optimization of condenser and cooling tower design of 30-MW thermal power plant. Duration:*** 1 year (during final year in B.Tech). **2.Exergeo economic analysis of an operational 500-MW thermal power plant. *Duration* 1 year (2006-2007). M.Tech dissertation.**
Professional experience	Presently working as **Asst.Professor (Mechanical engineering department)** in SSBT COLLEGE OF ENGG.&TECHNOLOGY since 24-07-08 Worked as Asst.prof in **(Mechanical engineering department)** Dr.Paul Raj engineering college, Bhadrachalam, Andhra Pradesh, India 19-06-07to 12-07-08 Worked as **Maintenance engineer** from 03-08-99 to22-10-2004 with M/S. Shipping corporation of India Mumbai. have hands on experience in **maintenance and installation of I.C.Engines upto capacity of 20000Kw, boilers, exhaust gas economizers, refrigeration and air conditioning equipment and various other thermal equipment.** Worked as Junior **Maintenance engineer** from 09-04-98 to 24-02-99 with M/S. Balaji shipping Chennai with same job profile as above. Worked as trainee engineer from 31-1-1997 to 10-04-1998with M/S GRSE kolkotta Worked as senior engineer in kinetic engineering ltd. Pune - Manufacturers of two wheelers from 10-04-1995 to 30-01-1997. Worked with M/S. Osten enzyme India ltd.manufacturers of automotive fuel additives as project engineer from 16-06-1993 to 31-3-1995.
Strengths	Sincerity and honesty; Total conviction and commitment to the task at hand; Logical and analytical bent of mind; Friendly nature and compatibility with all kinds of people. Perseverance and Hard work. Ever-growing thirst for knowledge and a learning attitude.

Sign

FACULTY PROFILE

Name **: Krishna Shrivastava**

Date of Birth **:** 07 / 11 / 1973

Highest Qualification **:** M.E. Mech. Engg. (Thermal Power)

Academic Performance:

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C		1989	Christian English Medium School	ICSE	Grade	Pass
H.S.C.	Science	1991	Govt. School	M. P. Board	66.87	First
B.E.	Mechanical	1997	JTMCOE Faizpur	NMU	63.79	First
M.E.	Mechanical	2008	Govt. Engg. Amravati	Amravati University	65.00	First

Date of Joining **:** 08/01/1998

Status as on date of Joining **:** Lecturer

Salary as on date of joining **:** Rs.4343/-

Present status **:** A.P.

Salary as on date **:** Rs.28877/- (Gross)

Number of promotions **:** 02

Achievements since date of joining: -

Faculty Development	1. Attended Summer Faculty Research Fellow Programme at IIT Delhi, from 21/05/09 to 30/06/09 for six weeks. 2. Attended AICTE sponsored short Term Training programme at Father Rodrigues Institute of Technology, Vashi, Navi Mumbai. 3. Participated in Orientation Program for Engg. College teachers, from 11-7-03 to 13-7-03 at C.O.E.T. Bambhori. 4. Participated in Two Day Workshop on MAT LAB conducted in SSBT'S COET, Jalgaon, on 23rd July 2003 by India Soft Technology. 5. Completed three days in plant Training on Gas Turbine Power Plant at Uran, Dist Raigad.
No. of Publications at national and international conference	1. Published paper " A Systematic Research on Performance Analysis and Characteristics of Solar Cooker with Honey Comb Structure, in the third International Conference on Thermal Engineering : Theory and applications during 21-23 may,2007, Amman , Jordan 2. Published paper "Study and Analysis of Solar Tower as alternative source of power generation "in 15th ISME, International conference held at RGTU,18-20, March 2008 at Bhopal. 3. Published paper "Thermal Analysis and performance of sintered bronze foam "in 15th ISME, International conference held at RGTU, 18-20, March 2008 at Bhopal 4. Published paper" Teaching Aids undergraduate level" at National level conference, M.J. College, Jalgaon in 2004-05. 5. Presented and published paper in National Conference "Innovations In Mechanical Engineering "(IME-07) at JTM, COET, Faizpur. 6. Presented and published paper in National level paper presentation "Miestone-2k8"organized by ISTE student Chapter , COET, Bambhori,Jalgaon. 7. Presented and published paper One Day National Seminar on " Nano Technology : Perspective and Future" held on March 8,2008 at SSBT's COET,Bambhori,Jalgaon
Teaching Award	1. Given certificate of excellence for the best result in Mechanical Vibration in the year 2002 by the college.
Conferences/ Seminars	1. Participated in the seminar on "Topics on Engg Education" Organized by COET Bambhori. Jalgaon from 11 to 17 of Aug 1998. 2. Participated in ISTE Seminar on "Topics related to Engg Education" organize jointly by SSBT'S COET, Jalgaon, and Engineering Education, Pune, on Dec 26th 1998. 3. Attended One Day Workshop to frame detailed syllabus of first year Engineering, held on 14th August,2004 at JTM faizpur. 4. Attended One Day National Seminar on "Low Cost Automation " held on 21st April,2007 at SSBT's COET,Bambhori,Jalgaon. 5. Attended One Day National Seminar on " Nano Technology : Perspective and Future" held on March 8,2008 at SSBT's COET,Bambhori,Jalgaon.
Extra -Curricular Activities	1. Coordinator for B.E for the year 1999-2000 length 0,2000-2001, 2001-2002. 2. Member of NBA Process Committee. 3. Active member of Admission Committee. 4. Member of cultural committee. 5. Timetable in charge for Mechanical Engg dept. 1999.
Administration	1. Publicity officer. 2. Chairman Advertising committee 3. Co-ordinator for parents meets. 4. Active Member of Event Management Committee.

	5. Class Teacher, B.E.(Mech) from 1999 to 2002. 6. Industrial Tour In-charge (Total 6 times). 7. Heat Transfer lab in charge. 8. student welfare officer.
Project Under taken at M.E.	1. Study and Performance Analysis of Solar Cooker with and without Honey Comb Structure.

Performance appraisal during last three years: Submitted.

Self-Appraisal

Strengths

1. Highly dedicated.
2. Believe in completion of work in less time in excellent way.
3. Strong in communication.

Weakness

1. Weak in showing feeling and emotions for other.

Sign

FACULTY PROFILE

Name **: Sanjay Pratapsingh Shekhawat**

Date of Birth **:** 03/ 05/74

Highest Qualification **:** M. E. (M/c Design)

Academic Performance:

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C		1990	Shree Ganeshdas Rathi Vidyalaya Amravati	Nagpur	72	First
H.S.C.	Science	1992	Vidya Bharti Jr. College Amravati	Amravati	62	First
B.E.	Mechanical	1997	Vidharbh Youth welfare Societies College of Engg. Badnera	Amravati	62	First
M.E.	M/c Design	2008	SSBT's COET Bambhori, Jalgaon.	NMU Jalgaon	71.00%	Distin.

Date of Joining **:** 15/07/99

Status as on date of Joining **:** Lecturer

Salary as on date of joining **:** Rs. 5213/-

Present status **:** Asst. Prof.

Salary as on date **:** Rs. 28,876/- (Gross)

Number of promotions **:** 02

Achievements since date of joining: -

Faculty Development	1. Participated in Orientation Program for Engineering College teachers, from 11-7-03 to 13-7-03 at C.O.E.T. Bambhori. 2. Attended one day University Level workshop on paper setting and evaluation at JTM COE, Faizpur. On 22nd Sept.2002. Organized by NMU Jalgaon. 3. Admitted for Masters degree course in Machine Design at S.S.B.T. C.O.E.T. Bambhori Jalgaon.2005 – 06 4. Attended one day Workshop on syllabus review of mechanical engg. at SSVPS, COE Dhule. On 26th Feb.2002. Organized by NMU Jalgaon.
Teaching Award	Given certificate of excellence for the best result in D.O.M.-I in the year 2002-2003 by the college.
Conferences/ Seminars	1. One-day workshop on "Accreditation" at Sinhgad. College, Pune. 2. Three day work- shop on "Accreditation" At International Center, Goa. 3. One day Work Shop on "Intellectuals property Rights with special reference to Patent" on 09 / 01/ 2004 at NMU Jalgaon. 4. Training on MATLAB & Simulink at COET Bambhori, on 23rd to25th August 2006. 5. Attended Enter Preneurship Awareness Camp from 29th to 31st March 2004 at COET Bambhori, Jalgaon. 6. Participated in UGC – refresher course in the Subject " Automation in Manufacturing Engg." from 28th Nov. 2005 to 17th Dec. 2005 at BIT, Mesra, Ranchi. 7. Paper Presented in Second International Congress of Chemistry & Environment on 24th to 26th Dec. 2006 at Indore. 8. Paper Presented on "Industry institution & Ineraction – The Path Ahead" in tow days workshop on 24th to 25th Jan. 2002. Organized by NTMIS Nodal Center Nagpur,. 9. Attended one Day Workshop on "Post Accreditation Policy Planning" on 23rd Oct. 2004 at Vidya Bharti College Amravati. 10. Paper Published in National Conference (Mechanger –07) of Titled " Software Simulation of Drive less Vehicle Using Expert System" at VBP COE, Rajkot on 01/ 03 / 07
Extra -Curricular Activities	1. Active member of Library Committee of the college. 2. Active member of Admission Committee for 2003-2004, 2004-2005, 2005-2006.2006-2007, 2007-08.
Administration	Class teacher for B.E. Mechanical. During the year 2005-2006, 2006-2007, 2007-08 Sem I.

Performance appraisal during last three years: Submitted

Self-Appraisal

Strengths

1. Good Presentation Skills & Fairly good command on language.
2. Regularity and Punctuality.

Weakness

1. Slight angry in nature.
2. Loosing temperament sometimes

Sign

FACULTY PROFILE

Name **: P.G. Damle**

Date of Birth **:** 08 / 10 / 1973

Highest Qualification **:** M.E. (Machine Design)

Academic Performance:

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C		1989	S.G.Boys Highschool Paratwada	Nagpur Board	58	Second
H.S.C.		1991	Smt. Ushabai Deshmukh Jr.college Achalpur	Nagpur Board	48	Second
B.E.	Mechanical	1996	VYWS College of Engg.Badnera	Amravati Uni.	60	First
M.E.	M/c Design	2008	SSBT's COET Bambhori, Jalgaon.	NMU Jalgaon	66%	Frist

Date of Joining **:** 12/07/2000

Status as on date of Joining **:** Lecturer

Salary as on date of joining **:** Rs**.** 8000/-

Present status **:** Assistant Professor

Salary as on date **:** Rs. 27,420/- (Gross)

Number of promotions **:** 02

Achievements since date of joining: -

Faculty Development	1. Participated in Orientation Program for Engineering College teachers, from 11-7-03 to 13-7-03 at C.O.E.T. Bambhori. 2. Pursing M.E. (Machine Design). 3. Completed Training in ANSYS & MAT LAB. 4. STTP on "Design for Manufacturing Ability & Assembly" Organized by SSGMCOE, Shegaon on 25th to 30th Oct. 2004. 5. Attended Entrepreneurship Awareness Camp from 29th to 31st March 2004 at COET Bambhori, Jalgaon.
Teaching Award	Nil
Conferences/ Seminars	1. Participated in the Work Shop organized in S.S.B.T's COET, Jalgaon by MITCON in 2004 on" entrepreneur development" 2. Participated in seminar on "LOW COST AUTOMATION" held at COET Jalgaon on 21 April 2007. 3. Participated in one Day Workshop on Syllabus framing of T.E. Mech, Conducted by JTM COE Faizpur on 31st July 2006. 4. Paper Published in National Conference (Mechanger –07) of Titled " Software Simulation of Drive less Vehicle Using Expert System" at VBP COE, Rajkot on 01/ 03 / 07. 5. Participated in one Day National Seminar on "Quality Assurance in Technical Education" Organized by SSGMCOE, Shegaon on 25th to 30th Oct. 2004.
Extra -Curricular Activities	1. Active member of sports committee of college. 2. Active member of Cultural committee of the college.
Administration	1. Class teacher for T.E. Mechanical. During the year 2006-2007 2. Lab in charge of Model Lab. From 2003 till date. 3. Timetable in charge for Department from 2003 to 2006.

Performance appraisal during last three years: Submitted

Self-Appraisal

Strengths

1. Enthusiastic Personality.
2. Co-cordial relation with all my colleagues.
3. Hard work and devotion to work.

Weakness

1. Lagging in communication skill. However i strive on improving it.
2. Not up-to-date in record keeping.
3. Loosing temperament sometimes. However practice & experience helps me in controlling it.

Sign

FACULTY PROFILE

Name : **P. C. Lad**

Date of Birth : 11 / 11 / 1976

Highest Qualification : M.E. (Machine Design)

Academic Performance:

Degree	Specialization	Year of Passing	Institute	Board/ Univ.	Percentage	Div.
S.S.C.		1993	M.V. Chincholi	PUNE	84.42	1st with Distinction
Diploma	Mechanical Engg.	1996	Govt. Poly. Jalgaon	MSBTE	71.36	1st with Distinction
B.E.	Mech. Engg.	2000	SSBT'S COET Bambhori, Jalgaon	NMU	70.36	1st class with distinction
M.E.	Mechanical - M/c Design	2008	SSBT'S COET Bambhori, Jalgaon	NMU	66.35	1st Class

Date of Joining : 01 / 10 / 2009

Status as on date of Joining : A.P.

Salary as on date of joining : 12000-420-18300/-

Present status : A.P

Salary as on date : 12000-420-18300/-

Number of promotions : Nil

Performance appraisal during last three years

Self-Appraisal : N.A.

Strengths: 1) Hard Working,
2) Punctual.
3) Maintaining the record in well establish manner.

Weakness: State forward

Sign

FACULTY PROFILE

Name **: Devendra B. Sadaphale**

Date of Birth **:** 01 / 07 / 76

Highest Qualification **:** M.E. (Machine Design)

Academic Performance:

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C		1991	NP Vidyalaya Chandur bazar	Nagpur	80.14%	Distin.
H.S.C.	Science	1993	NP Jr. Science College, Chandur bazar	Amravati	79.83%	Distin.
B.E.	Mechanical	1998	VYWS College of Engg.Badnera	Amravati	60.94%	First
M.E.	M/c Design	2008	SSBT's COET Bambhori, Jalgaon.	NMU Jalgaon	71.00%	Distin.

Date of Joining **:** 20/02/2002

Status as on date of Joining **:** Lecturer

Salary as on date of joining **:** Rs. 8400/-

Present status **:** Sr. Lecturer

Salary as on date **:** Rs. 24, 761/- (Gross)

Number of promotions **:** 01

Achievements since date of joining: -

Faculty Development	1. Passed MSCIT Exam Conducted by Maharashtra Knowledge Corporation Ltd. Held in December 2003 2. Training on MATLAB & Simulink at COET Bambhori, on 23rd to25th August 2006. 3. Completed training in ANSYS & MAT LAB
Teaching Award	Given certificate of excellence for the best result in Engg Metallurgy & Industrial Organization and Management in the year 2002-2003 by the college.
Conferences/ Seminars	1. Participated in the Work Shop organized in S.S.B.T's COET, Jalgaon by MITCON in 2004 on" entrepreneur development" 2. Participated in seminar on "LOW COST AUTOMATION" held at COET Jalgaon on 21 April 2007. 3. Participated in one Day Workshop on Syllabus framing of T.E. Mech, Conducted by JTM COE Faizpur on 31st July 2006. 4. Paper Presented in National Conference at JTM Faizpur.
Extra -Curricular Activities	Arrange Quiz Competition under MPESA
Administration	1. Lab in charge for Engg. Metallurgy & Material Science lab. From 2002- 2003. 2. Conducted practical of Govt. College students for subject Material science & Engg. Metallurgy in our college lab. 3. Arranged Industrial tour to Bangalore. 4. class teacher S.E.(Mechanical) 5. Departmental coordinator N.B.A.

Performance appraisal during last three years: Submitted.

Self-Appraisal

Strengths

1. Punctual.
2. Maintaining the record in well establish manner.

Weakness

1. Usually require more time for completing syllabus.

Sign

FACULTY PROFILE

Name : **Prashant N. Ulhe**

Date of Birth : 09/ 03/1974

Highest Qualification : M.E. (Machine Design)

Academic Performance :

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C		1989	S.N.V. B. Thadi	Nagpur	65.00	First
H.S.C.	Science	1991	Vidyabharati College, Amt	Nagpur	58.67	Second
B.E.	Production	1996	VYWS College of Engg.Badnera	Amravati	62.80	First
M.E.	M/c Design	2008	SSBT's COET Bambhori, Jalgaon.	NMU Jalgaon	65.68%	First

Date of Joining : 14/12/2002

Status as on date of Joining : CAD/CAM Engineer

Salary as on date of joining : Rs5000/-

Present status : Sr. Lecturer

Salary as on date : Rs. 24, 761/- (Gross)

Number of promotions : 01

Achievements since date of joining: -

Faculty Development	1. Participated in Two Day Workshop on MAT LAB conducted in SSBT'S COET, Jalgaon on 22nd and 23rd July 2003 by India Soft Technology etc. 2. Attended short-term training Programme sponsored by AICTE ISTE organized by YCCE Nagpur. Since 17/11/2003 To 29/11/2003. 3. Participated in seminar on "LOW COST AUTOMATION" held at COET Jalgaon on 21 April 2007. 4. Pursing M.E. (Machine Design)
Teaching Award	Given certificate of excellence for the best result in P.O.M. in the year 2002-2003 by the college.
No. of Publications	Intelligent Inspection System For Gear Inspection By Vision System And Cad Simulation.E-Time-2004, National Conference on Emerging Trends In Mechanical Engineering, K.D.K.College of Engineering, Nagpur.
Extra -Curricular Activities	Conducting CAD/CAM courses of 45 to 60 Days tenure.
Administration	1. In charge of CAD/CAM lab. 2. Class Teacher of T.E. (Production) 3. MESA Faculty Advisor

Performance appraisal during last three years: Submitted
Self-Appraisal
Strengths

1. 10 years of experience.
2. Confidence.
3. Determination.
4. Patience

Weakness 1. Emotional.
2. Immediate reaction to situation

Sign

FACULTY PROFILE

Name **: Sarange Shreepad M.**

Date of Birth **:** 01/ 01/1976

Highest Qualification **:** B.E. (Mechanical)

Academic Performance:

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	%	Division
S.S.C		1991	MJP, Kalamnuri	Aurangabad	54.08	Second
H.S.C		1994	MJP, Kalamnuri	Aurangabad	53.17	Second
B.E.	Mechanical	1999	MIT Aurangabad	Dr.BAMU Aurangabad	62.46	First
M.E.	M/c Design	2009	COET Bambhori,	NMU Jalgaon	--	Appearing

Date of Joining **:** 05/02/2007

Status as on date of Joining **:** Lecturer

Salary as on date of joining **:** Rs. 11, 000/- (Gross)

Present status **:** Lecturer

Salary as on date **:** Rs.18, 620/- (Gross)

Number of promotions **:** NIL

Achievements since date of joining: -

Faculty Development	1. Participated in Two Day Workshop on Energy conducted in BIET Jhansi, on 10^{th} and 12^{th} Nov.2005.
No. of Publications	1. National Conference on Machine and Mechanism "Design and Development Of Carpet Loom" Dec.2003 IIT Delhi.
Extra -Curricular Activities	Nil
Administration	1. In charge of Mechatronics Lab.

Strengths: Believe in Handwork, Ambitious, adjustment according to environment.

Weakness: Slight angry in nature.

Sign

FACULTY PROFILE

Name **: Mahesh Vedprakash Rawlani**

Date of Birth **:** 7th June1970

Highest Qualification **:** M.E. (Mech) (APS)

Academic Performance:

Degree/ Certificate	Specialization	Year of Passing	Institute	Board / University	Percentage	Division
S.S.C.		1987	S.K.R school	Nagpur Board	61	First
H.S.C		1989	M.G. Junior college	Nagpur Board	67	First
B.E.	Production	1994	VYWS College of Engg. Badnera	Amaravati	64	First
M.E.	Mechanical	2005	S.A.T.I Vidisha	Rajiv Gandhi Prodyogiki Vishwavidyalaya , Bhopal	70	First

Date of Joining **:** 23/12/94

Status as on date of Joining **:** Lecturer

Salary as on date of joining **:** Rs. 3315/-

Present status **:** Asst. Prof. & W.S.

Salary as on date **:** Rs.28, 877 /- (Gross)

Number of promotions **:** 02

Achievements since date of joining: -

Faculty Development	1. Completed Post Graduation (M.E. Mechanical) Dec 2005 2. Completed Post Graduation (M.B.A. Marketing) in Dec 98 3. Participated in one day Workshop on CAD Lab conducted in SSBT's COET, Jalgaon 1995-96
R&D	Nil
No. of Publications	1. Presented a paper Titled "The Reforms in the Exam system" in III ISTE state convention and national conference of Maharashtra, Goa section at Wadiya Engg college Pune.
BOOKS	1. Written a Book Titled Element of Mechanical Engg. (Co-authored by Mr. P.I.Ugran and Mr.N.K.Patil) for first year Engineering Student Published by Everest Publication Pune. 2. Written a Book Titled Industrial organization and supervisor Management. For Final Year Student of Polytechnic, Published by Vrinda Publication Jalgaon. 3. Written a Book Titled Advanced Manufacturing Process For Final Year Student of Polytechnic, Published by Dhanpatrai Publication Delhi. 4. Written a Book Titled Production Technology (Management) For Final Year Student of Polytechnic, Published by C.T.Publication Nagpur. 5. Written a Book Titled Manufacturing Process. for Second Year Student of Polytechnic, Published by Vrinda Publication Jalgaon. 6. Written a Book Titled Engineering Drawing For First Year Student of Polytechnic, Published by Nirali Publication Pune.
Conferences / Seminars	1. Attended 3rd ISTE state convention and national conference of Maharashtra , Goa section At Wadiya Engg college Pune and Presented a paper Titled "The Reforms in the Exam system" 2. Participated in three week training program on topic Entrepreneurship Development Conducted by Entrepreneurship Development cell. Videsha Sponsored by deptt of science &technology (NSTEDBI) Govt of India. 3. Paper selected for national conference at KOTA ENGG. COLLEGE RAJSTAN.
Extra - Curricular Activities	1. Member of academic monitoring committee. 2. Best Jaycee award in 1996. 3. To arrange the various seminar under Jaycee club.

	4. Participated in no. of seminar conducted by Jaycee club.
Administration	1. Class teacher of Second year mechanical branch. 2. Arranged industrial tour for Second year. 3. MESA Faculty Advisor

Self-Appraisal

Strengths

1. Good Presentation Skills & Fairly good command on language.
2. Regularity, Punctuality, work hard.

Weakness: NIL

Sign.

FACULTY PROFILE

Name : **Pradeep M. Solanki**

Date of Birth : 06/10/81

Highest Qualification : M.E. Mechanical (CAD/CAM)

Academic Performance:

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C.		1996	K. G. Patil High school, Nadgaon	Nasik	64.40	1st
Diploma	Production Technology	2001	SSBT'S COET Bambhori, Jalgaon	MSBTE	73.64	1st
B.E.	Production Engineering	2004	SSBT'S COET Bambhori, Jalgaon	NMU	75.21	1st class with distinction
M.E.	Mechanical-CAD/CAM	2006	VYWS'COE Badnera	Santa Gadge Baba Amravati University	70.87	1st

Date of Joining : 08/08/2006

Status as on date of Joining : Lecturer

Salary as on date of joining : Rs.8500/-

Present status : Lecturer

Salary as on date : Rs. 19, 878/- (Gross)

Number of promotions : Nil

Achievements since date of joining: -

Faculty Development	1. Paper published on National level seminar on "Mechanical Vibrations analysis & Diagnosis" sponsored by AICTE at Pravara Engg. College at Pravaranagar on 22nd- 24th Mar. 07. 2. Paper published on National level seminar on "Innovations in Mechanical Engg. IME 07" at J. T. Mahajan College of Engg. Faizpur on March 29- 30, 2007. 3. Attended National level seminar on "Low Cost Automation" at SSBT's COET, Jalgaon on Apr. 21, 2007.
No. of Publications	Nil
Extra -Curricular Activities	1. University 2nd ranker in final year B.E. Production Engg. In 2004. 2. Awarded as Class Topper in Third Year of Engg in2003. 3. Participated in Blood Donation Camp at College of Engg. Bambhori.
Administration	1. In charge of Tribology Lab. 2. In charge of ME computer Lab.

Performance appraisal during last three years: Submitted

Self-Appraisal :

Strengths : 1. Hard worker.
2. Regularity, Punctuality.

Weakness : 1) Straight forward.

Sign.

FACULTY PROFILE

Name **: Bornare Prashant Pandit**

Date of Birth **:** 01/06/1979.

Educational Qualification **:** B.E. Mech. MBA (Marketing & HRD)

Academic performance **:**

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C		1994	P. S. M. S. School Bamnod	Nashik	74.00	First.
H.S.C		1996	P. S. M. S. School Bamnod	Nashik	67.00	First.
B.E.	Mechanical	2000	J T M C O E, Faizpur	N M U Jalgaon	66.00	First with Distinction
MBA	Marketing HRD	2005 2006	G. I. M. R. Jalgaon	N M U Jalgaon	60.00	First

Date of Joining **:** 15/01/2007

Status as on date of Joining **:** Lecturer

Salary as on date of joining **:** Rs. 8000/-

Present status **:** Lecturer

Salary as on date **:** Rs. 16, 137/- (Gross)

Number of promotions **:** Nil

Achievements since date of joining :

Faculty Development	Nil
No. of Publications	Nil
Extra -Curricular Activities	Nil
Administration	Nil

Performance appraisal during last three years: Submitted

Self-Appraisal :

Strengths: 1. Hard worker.
2. Regularity, Punctuality.

Weakness: 1) Straight forward.

Sign.

FACULTY PROFILE

Name : **Ajay Bhardwaj**

Date of Birth : 05 / 07 / 1968.

Educational Qualification : B.E. Production

Academic performance :

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C		1984	Colvin Talukedar College Lukhnow	U.P. Board Allahabad	55.00%	Second
H.S.C	Science	1986	Colvin Talukedar College Lukhnow	U.P. Board Allahabad	52.00%	Second
B.E.	Production	1999	C.O.E.T. Bambhori, Jalgaon	N.M.U. Jalgaon	62.8%	First
M.E.	M/c Design	Pursuing	C.O.E.T. Bambhori, Jalgaon	N.M.U. Jalgaon	--	--

Date of Joining **:** 10/08/99

Status as on date of Joining **:** Asst. W/S

Salary as on date of joining **:** Rs.3000/-

Present status **:** Lecturer

Salary as on date **:** Rs.18, 000/- (Gross)

Number of promotions **:** 01

Achievements since date of joining :

Faculty Development	National Level Seminar in COET, Bambhori, Jalgaon in March 2008.
No. of Publications	Nil
Extra -Curricular Activities	Anti Ragging squad Member COET, Bambhori, Jalgaon.
Administration	Nil

Performance appraisal during last three years: Submitted

Self-Appraisal :

Strengths : 1. Hard worker.
2. Regularity, Punctuality.

Weakness: 1) Straight forward.

Sign.

FACULTY PROFILE

Name : **Shaikh Ajit Ismail**

Date of Birth : 07 / 01 / 1975.

Educational Qualification : B. E. Mechanical

Academic performance :

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C		1991	G. S. High school Amalner	Pune	82.14%	First Dist.
H.S.C		1993	Pratap College Amalner	Pune	73.67%	First
B.E.	Mechanical	1997	P.R.E.C. Loni	Pune	60.00%	First

Date of Joining **:** 01/02/08

Status as on date of Joining **:** Lecturer

Salary as on date of joining **:** Rs.12, 000/- P.M.

Present status **:** Lecturer

Salary as on date **:** Rs.14, 891/- P.M.

Number of promotions **:** Nil

Achievements since date of joining **:** Nil

Faculty Development	Nil
No. of Publications	Nil
Extra -Curricular Activities	Nil
Administration	Nil

Performance appraisal during last three years: Nil

Self-Appraisal **:**

Strengths **:** 1. Hard worker.
2. Regularity, Punctuality.

Weakness: 1) Straight forward.

Sign.

FACULTY PROFILE

Name **: R. A. Chopde**

Date of Birth **:** 02 / 10 / 1983

Highest Qualification **:** B.E. Mechanical

Academic Performance:

Degree	Specialization	Year of Passing	Institute	Board/ Univ.	Percentage	Div.
S.S.C		1999	Shree Samarth Highschool Amravati	Amravati	63	First
Diploma	Mech. Engg.	2005	Govt. Poly. Amravati	Amravati	63	First
B.E.	Mechanical	2008	Vidharbh Youth welfare Societies College of Engg. Badnera	Amravati	73	First

Date of Joining **:** 01/01/2009

Status as on date of Joining **:** Lecturer

Salary as on date of joining **:** 10,000/-

Present status **:** Lecturer

Salary as on date **:** 11,000/- P.M.

Number of promotions **:** Nil

Performance appraisal during last three years

Self-Appraisal **:**

Strengths:

Weakness:

Sign

FACULTY PROFILE

Name : **Deepak Bagale**

Date of Birth : 06 / 01 / 1987.

Educational Qualification : B. E. Mechanical

Academic performance :

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C	--	2002	Vidyaniketan Jalgaon	Nashik	75.76%	First Dist.
H.S.C	Science	2004	M. J. College Jalgaon.	Nashik	76.67%	First Dist.
B.E.	Mechanical	2008	P.V.G. S. COET Pune.	Pune	61.28%	First

Date of Joining : 04/07/2009

Status as on date of Joining : Lecturer

Salary as on date of joining : Rs. 13,800/- P.M.

Present status : Lecturer

Salary as on date : Rs.13, 800/- P.M.

Number of promotions : Nil

Achievements since date of joining : Nil

Performance appraisal during last three years: Nil

Self-Appraisal :

Strengths :

Weakness:

Sign.

FACULTY PROFILE

Name : **P. D. Patil**

Date of Birth : 30 / 04 / 1980.

Educational Qualification : M. E. Mechanical (CAD/CAM)

Academic performance :

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C	--	1995	K. Narkhede Vidyalaya, Bhusawal	Nashik	82.00%	First With Dist.
H.S.C	Science	1997	K. Narkhede Vidyalaya, Bhusawal	Nashik	60.00%	First.
B.E.	Production	2004	COET, Bambhori, Jalgaon	NMU Jalgaon	60.00%	First
M.E.	Mechanical-CAD/CAM	2007	VYWS'COE Badnera	Santa Gadge Baba Amravati University	71.83%	First

Date of Joining : 29/08/2008

Status as on date of Joining : Lecturer

Salary as on date of joining : Rs.17, 000/- P.M.

Present status : Lecturer

Salary as on date : Rs. 18, 500/- P.M.

Number of promotions : Nil

Achievements since date of joining : Nil

Performance appraisal during last three years: Nil

Self-Appraisal :

Strengths :

Weakness :

Sign.

FACULTY PROFILE

Name : **D. R. Lohar**

Date of Birth : 26 / 05 / 1984

Educational Qualification : B. E. Mechanical

Academic performance **:**

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C	--	1999	S.H.M.	Nashik	67.84%	First
H.S.C	Science	2001	P.C.A.	Nashik	45.00%	Second.
Diploma	Mechanical	2004	G.P.Washim	M.S.B.T.E.	66.85%	First
B.E.	Mechanical	2008	SSBT's COET, Bambhori, Jalgaon.	NMU	70.83%	First with Distan.

Date of Joining **:** 01/01/2009

Status as on date of Joining **:** Lecturer

Salary as on date of joining **:** Rs.10, 000/- P.M.

Present status **:** Lecturer

Salary as on date **:** Rs. 11,000/- P.M.

Number of promotions **:** Nil

Achievements since date of joining **:** Nil

Performance appraisal during last three years: Nil

Self-Appraisal **:**

Strengths **:**

Weakness **:**

Sign.

FACULTY PROFILE

Name : **Chaudhari Atul Shivaji**

Date of Birth : 12 / 05 / 1984

Educational Qualification : M. Tech.(Mechanical Engineering)

Academic performance :

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C	--	1999	P. V. M. Chopda	Nashik	80.00%	First with Distan
H.S.C	Science	2001	A. S. C. Chopda	Nashik	69.00%	First
B.E.	Mechanical	2005	D. Y. Patil COE Pune	Pune	60.00%	First
M. Tech	Mechanical	2009	SV NIT Surat	SVNIT	9.3 CGPA	First with Distan

Date of Joining **:** 15/09/2009

Status as on date of Joining **:** Lecturer

Salary as on date of joining **:** Rs.14, 000/- P.M.

Present status **:** Lecturer

Salary as on date **:** Rs. 14, 000/- P.M.

Number of promotions **:** Nil

Achievements since date of joining **:** Nil

Performance appraisal during last three years: Nil

Self-Appraisal **:**

Strengths **:**

Weakness **:**

Sign.

FACULTY PROFILE

Name : **Chandan Krishna Mukherjee**

Date of Birth : 09th. March , 1963

Educational Qualification : B.Sc. Engg. (Mechanical Engineering)

Academic performance :

Degree/ Certificate	Specialization	Year of Passing	Institute	Board/ University	Percentage	Division
S.S.C	--	1977	St. Patrick's Hr.Sec.School Asansol, W.B.	I.C.S.E. Board Delhi	61.00%	First
H.S.C	Science	1980	St. Patrick's Hr.Sec.School Asansol, W.B.	I.S.C. Board Delhi	61.00%	First
B.E.	Mechanical	1985	B.I.T. Mesra Ranchi Jharkhand	Ranchi University	67.00%	First
MBA	Financial & Industrial Management	1987	B.I.T. Mesra Ranchi Jharkhand	B.I.T. Deemed University	3.19CGPA (62.00%)	Second

Date of Joining **:** 01/09/2008

Status as on date of Joining **:** Sr. Lecturer

Salary as on date of joining **:** Rs. 23,164/- P.M.

Present status **:** Sr. Lecturer

Salary as on date **:** Rs. 24,762/- P.M.

Number of promotions **:** Nil

Achievements since date of joining **:** Nil

Performance appraisal during last three years: Nil

Self-Appraisal **:**

Strengths **:**

Weakness **:**

Sign.

FACULTY PROFILE

APPLIED SCIENCE

1. Name: **Dr K. S. Parihar**
2. Date of Birth: 3rd January 1942
3. Educational Qualification: **M.A. PhD. (Maths)**

4. Work Experience:
   - Teaching -- **37 years**
   - Research -- **37 years**
   - Industry --
   - Others --
5. Area of Specializations: --- **Solid Mechanics**(Mathematics)
6. Subjects teaching at Under Graduate Level:
   1) Engg. Maths-I-
   2) Engg. Maths-II
   3) Engg. Maths-III
7. Research guidance: **8- Students (Ph.D.)**
   2- Post Doctorates (PDF)

   Masters's
   Ph.D.

   No. of papers published in
   -National Journals **-1**
   -International Journals **-34**
   -Conferences **-5**
8. Projects Carried out: - -
9. Patents: - -
10. Technology Transfer: - - **Academic visit ----- 1976 to 1977 (Northwestern university USA)**

Signature

APPLIED SCIENCE

For each Faculty give a page covering
Name: KIRAN SAHEBRAO PATIL

1. Date of Birth: 14th MAY 1974
2. Educational Qualification: M. Sc.(PHYSICS.)

3. Work Experience :
   - Teaching --10 yrs
   - Research -----
   - Industry -- --
   - Others -----
4. Area of Specializations: - Physics with Electronics
5. Subjects teaching at Under Graduate Level:
   i) Engineering Physics-I ii) Engineering Physics-II
   iii)Environmental Studies.
   Post Graduate Level: --
6. Research guidance: Not Applicable

	No. of papers published in
Master's	- National Journals
Ph.D.	- International Journals
	- Conferences

Projects Carried out :
Patents :

7. Technology Transfer : - -

8. Research Publications : --
   i) International Journals :

9.No. of Books published with details : --
11.Research Publications : --
   i) International Journals

12.No. of Books published with details : - -

Signature

APPLIED SCIENCE

1.Name:SUNITA SAHEBRAO PATIL
2.Date of Birth : 12TH MAY 1975
3.Educational Qualification : M.Sc.(Maths.) B.Ed.

4.Work Experience :
- Teaching -- 10 years
- Research --
- Industry
- Others --

5.Area of Specializations :
6.Subjects teaching at Under Graduate Level :
i) Engineering Maths-I ii) Engineering Maths-II
iii) Engineering Maths-III iv) NACM

Post Graduate Level : --
7.Research guidance : Not Applicable

Masters's
Ph.D.

No. of papers published in
- National Journals
- International Journals
- Conferences

8.Projects Carried out : - -
9.Patents : - -
10.Technology Transfer : - -
11.Research Publications : --
i) International Journals

12.No. of Books published with details : - -

Signature

APPLIED SCIENCE

For each Faculty give a page covering

Name: CHANDRASHEKHAR. UTTAMRAO. NIKAM.

1. Date of Birth: 05/06/1973
2. Educational Qualification: M.Sc.

3. Work Experience : 5 Years
   - Teaching 5 Years
   - Research -----
   - Industry -- --
   - Others -----
4. Area of Specializations: - Nuclear Physics
5. Subjects teaching at Under Graduate Level:- Optics, Quantum mech., Mathematical Phy., Nuclear Physics.
   Post Graduate Level: - Nuclear Physics
6. Research guidance: Not Applicable

	No. of papers published in
Master's	- National Journals
Ph.D.	- International Journals
	- Conferences

Projects Carried out :

Patents :

7. Technology Transfer : - -

8. Research Publications : --
   i) International Journals :

9.No. of Books published with details : --

11.Research Publications : --
   i) International Journals

12.No. of Books published with details : - -

Signature

APPLIED SCIENCE

For each Faculty give a page covering
Name: PATIL JITENDRASING JAYSING

9. Date of Birth: 03\10\1984
10. Educational Qualification: M. Sc.

11. Work Experience :
    - Teaching 0 6-months-
    - Research -----
    - Industry -- --
    - Others -----
12. Area of Specializations: - Computational Mathematics
13. Subjects teaching at Under Graduate Level:
    Post Graduate Level: --
14. Research guidance: Not Applicable

	No. of papers published in
Master's	- National Journals
Ph.D.	- International Journals
	- Conferences

Projects Carried out :
Patents :

15. Technology Transfer : - -

16. Research Publications : --
    i) International Journals :

9.No. of Books published with details : --
11.Research Publications : --
    i) International Journals

12.No. of Books published with details : - -

Signature

APPLIED SCIENCE

For each Faculty give a page covering

Name: Ms. JAYSHRI RAMASHANKAR MOURYA

17. Date of Birth:5th Oct 1985
18. Educational Qualification: M.Sc.

19. Work Experience :
    - Teaching -- 1 and ½ years
    - Research -----
    - Industry -- --
    - Others -----
20. Area of Specializations: - Physical Chemistry
21. Subjects teaching at Under Graduate Level: Engg. Chemistry, Physical Chemistry, Analytical chemistry, Industrial Chemistry.
    Post Graduate Level: --
22. Research guidance: Not Applicable

	No. of papers published in
Master's	- National Journals
Ph.D.	- International Journals
	- Conferences

Projects Carried out :

Patents :

23. Technology Transfer : - -

24. Research Publications : --
    i) International Journals :

9.No. of Books published with details : --

11.Research Publications : --
    i) International Journals

12.No. of Books published with details : - -

Signature

APPLIED SCIENCE

For each Faculty give a page covering

Name: PARESH GOPAL PATIL

25. Date of Birth: 03/05/1985
26. Educational Qualification: MSc

27. Work Experience :
    - Teaching --One Year
    - Research -----
    - Industry -- --
    - Others -----
28. Area of Specializations: - Organic Chemistry
29. Subjects teaching at Under Graduate Level: Organic Chemistry
    Post Graduate Level: -- Heterocyclic Chemistry
30. Research guidance: Not Applicable

	No. of papers published in
Master's	- National Journals
Ph.D.	- International Journals
	- Conferences

Projects Carried out :

Patents :

31. Technology Transfer : - -

32. Research Publications : --
    i) International Journals :

9.No. of Books published with details : --

11.Research Publications : --
    i) International Journals

12.No. of Books published with details : - -

Signature

APPLIED SCIENCE

For each Faculty give a page covering
Name: Ms DEEPMALA ISHVARLAL DESAI

33. Date of Birth: 06/10/1979
34. Educational Qualification: M.Sc, B.Ed, M Phil
35. Work Experience :
    - Teaching -- One year
    - Research -----
    - Industry -- --
    - Others -----
36. Area of Specializations: - Iorganic Chemistry
37. Subjects teaching at Under Graduate Level: Organic Chemistry, Physical Chemistry, Analytical chemistry, Industrial Chemistry
    Post Graduate Level: --Inorganic Chemistry
38. Research guidance: Not Applicable

	No. of papers published in
Master's	- National Journals
Ph.D.	- International Journals
	Conferences :-international-01

Projects Carried out :
Patents :

39. Technology Transfer : - -

40. Research Publications : --
    i) International Journals :

9.No. of Books published with details : --
11.Research Publications : --
    i) International Journals

12.No. of Books published with details : - -

Signature

APPLIED SCIENCE

For each Faculty give a page covering
Name: SHWETA ISHWARSING PAWAR

41. Date of Birth:29/6/1987
42. Educational Qualification: M.A.

43. Work Experience :
    - Teaching -- 06 month
    - Research -----
    - Industry -- --
    - Others -----
44. Area of Specializations: -English
45. Subjects teaching at Under Graduate Level:
    Post Graduate Level: --
46. Research guidance: Not Applicable

	No. of papers published in
Master's	- National Journals
Ph.D.	- International Journals
	- Conferences

Projects Carried out :
Patents :

47. Technology Transfer : - -

48. Research Publications : --
    i) International Journals :

9.No. of Books published with details : --
11.Research Publications : --
    i) International Journals

12.No. of Books published with details : - -

Signature

APPLIED SCIENCE

1.Name:-Deshpande Meera Vilas
2.Date of Birth.:-10/06/1975
3.Educational Qualification :-M.Sc(Mathematics),B.Ed,M.Phil.

4.Work Experience :
- Teaching :- 09.5years
- Research :---
- Industry : --
- Others : --

5.Area of Specializations : ---
6.Subjects teaching at Under Graduate Level :
1) Engineering Math I 2)Engineering Math II 3)Engineering Math III
4)F.Y.Bsc I,II,III 5)S.Y.Bsc I,II,III
Post Graduate Level : --
7.Research guidance : Not Applicable

Masters's
Ph.D.

No. of papers published in
- National Journals
- International Journals
- Conferences

8.Projects Carried out : - -
9.Patents : - -
10.Technology Transfer : - -
11.Research Publications :
i) International Journals:--

12.No. of Books published with details : - -

Signature

APPLIED SCIENCE

For each Faculty give a page covering
Name: Yeshwant Kondusing Chitte

1. Date of Birth: 2nd June 1969
2. Educational Qualification: M.A. English

3. Work Experience :
   - Teaching --11 yrs
   - Research -----
   - Industry -- --
   - Others -----
4. Area of Specializations: - English Literature
5. Subjects teaching at Under Graduate Level:
   i) Professional Communication
   Post Graduate Level: --
6. Research guidance: Not Applicable

	No. of papers published in
Master's	- National Journals
Ph.D.	- International Journals
	- Conferences

Projects Carried out :
Patents :

7. Technology Transfer : - -

8 Research Publications : --
   i) International Journals :

9. No. of Books published with details : --
10. Research Publications : --
    i) International Journals

11.No. of Books published with details : - -

Signature

DEPARTMENT OF BUSINESS ADMINISTRATION (M.B.A)

PROFILE OF FACULTY

1. Name : Vishal S.Rana

2. Date of Birth: 15/12/1980

3. Educational Qualification: M.Com, M.B.A (Marketing)

4. Work Experienced:

    1. Teaching : 3.4Years
    2. Research : Nil
    3. Industry : 0.7 Months
    4. Other : Nil

5. Area of Specialization: Marketing

6. Subjects teaching at UG level: Advertising & Sales Promotion, Principles of Management, Marketing Management

    Subjects teaching at PG level: Organizational Behavior, Entrepreneurship Development, Essentials of Management, Consumer Behavior, Industrial Relations & Trade Unions, Advanced Marketing Research & Consumer Behavior

7 Research's Guidance Master's : Nil

Ph.D : Nil

No. Of paper published in a. National journal : Nil

b. International journal : Nil

c. Conference : 06

8. Project carried out : Nil

9. Patents : Nil

10. Technology Transfer : Nil

11. Research publication : Nil

12. No. of book published with detail: Nil

Signature

DEPARTMENT OF BUSINESS ADMINISTRATION (M.B.A)

PROFILE OF FACULTY

1. Name : Pankajkumar Ambadas Anawade

2. Date of Birth: 05/07/1982

3. Educational Qualification: B.E (Mech), M.B.A (Mktg)

4. Work Experienced:

    1. Teaching : 10 Months
    2. Research : Nil
    3. Industry : 2.5 Years
    4. Other : Nil

5. Area of Specialization: Marketing

6. Subjects teaching at UG level: NIL

    Subjects teaching at PG level: Advanced Marketing Research & Consumer Behavior, Strategic Marketing, Business Regulatory System-I, Corporate Communication Skills.

7 Research's Guidance Master's : Nil

Ph.D : Nil

No. Of paper published in a. National journal : Nil

b. Internal national journal : Nil

c. Conference : Nil

08. Project carried out : Nil

09. Patents : Nil

10. Technology Transfer : Nil

11. Research publication : Nil

12. No. of book published with detail: Nil

Signature

DEPARTMENT OF BUSINESS ADMINISTRATION (M.B.A)

PROFILE OF FACULTY

1. Name : Shantanu R.Vasishtha

2. Date of Birth: 05/01/1975

3. Educational Qualification: B.Sc (Geo), M.B.A (Mktg)

4. Work Experienced:

    1. Teaching : 04 Months
    2. Research : Nil
    3. Industry : 10 Years
    4. Other : Nil

5. Area of Specialization: Marketing

6. Subjects teaching at UG level: NIL

   Subjects teaching at PG level: Promotion Management, Labour Economics & Costing, Management Science, Operations Management.

7 Research's Guidance Master's : Nil

Ph.D : Nil

No. Of paper published in a. National journal : Nil

b. Internal national journal : Nil

c. Conference : Nil

08. Project carried out : Nil

09. Patents : Nil

10. Technology Transfer : Nil

11. Research publication : Nil

12. No. of book published with detail : Nil

Signature

DEPARTMENT OF BUSINESS ADMINISTRATION (M.B.A)

PROFILE OF FACULTY

1. Name : Ms.Richa A.Modiyani

2. Date of Birth: 30/04/1987

3. Educational Qualification: B.B.S, M.B.A (Fin)

4. Work Experienced:

    1. Teaching : 04 Months
    2. Research : Nil
    3. Industry : Nil
    4. Other : Nil

5. Area of Specialization: Finance

6. Subjects teaching at UG level: NIL

    Subjects teaching at PG level: Financial Management, Accounting for Managers, Managerial Economics

7 Research's Guidance Master's : Nil

Ph.D : Nil

No. Of paper published in a. National journal : Nil

b. Internal national journal: Nil

c. Conference : Nil

08. Project carried out : Nil

09. Patents : Nil

10. Technology Transfer : Nil

11. Research publication : Nil

12.No. of book published with detail: Nil

Signature

DEPARTMENT OF BUSINESS ADMINISTRATION (M.B.A)

PROFILE OF FACULTY

1. Name : Harshal A.Salunkhe

2. Date of Birth: 28/07/1985

3. Educational Qualification: B.Sc (Chem), M.B.A (Fin)

4. Work Experienced:

    1. Teaching : 01 Year 04 Months
    2. Research : Nil
    3. Industry : Nil
    4. Other : Nil

5. Area of Specialization: Finance

6. Subjects teaching at UG level: Financial Management, Financial Accounting, Management Science.

    Subjects teaching at PG level: Financial Management, Corporate Social Responsibility

7 Research's Guidance Master's : Nil

Ph.D : Nil

No. Of paper published in a. National journal : Nil

b. Internal national journal: Nil

c. Conference : 01

08. Project carried out : Nil

09. Patents : Nil

10. Technology Transfer : Nil

11. Research publication : Nil

12.No. of book published with detail: Nil

Signature

VIII. FEE

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

2009-2010

Sr.	Branch	Tuition Fee
	UG Courses	
1	Chemical Engineering	Rs.48246
2	Civil Engineering	Rs.48246
3	Computer Engineering	Rs.48246
4	Mechanical Engineering	Rs.48246
5	Electrical Engg.	Rs.48246
6	Electronics and Tele-comm. Engg.	Rs.48246
7	Information Technology	Rs.48246
8	Bio-Technology	Rs.48246
	PG Courses	
01	ME Civil Engg. (Environmental)	Rs.45090
02	ME Mechanical Engg. (Machine Design)	Rs.45090
03	ME E&TC (Digital)	Rs.45090
04	ME Computer Sci. Engg.	Rs.45090
05	M.B.A.	Rs.45600

B) Time schedule for payment of fee for the entire programme.

As per Admission rule Government of Maharashtra all fees for the entire programme should be remitted at the time of admission.

C) No. of Fee waivers granted with amount and name of students.

NA

D) Number of scholarship offered by the institute, duration and amount

NA

E) Criteria for fee waivers/scholarship.

NA

E) Estimated cost of Boarding and Lodging in Hostels.

Rs. 19000/- for lodging and boarding both yearly.

IX. ADMISSION

A) Number of seats sanctioned with the year of approval.

Sr.	Branch	Year		
		2007-08	2008-09	2009-10
1	Chemical Engineering	30	30	30
2	Civil Engineering	30	30	60
3	Computer Engineering	90	120	120
4	Mechanical Engineering	90	120	120
5	Electrical Engg.	30	60	60
6	Electronics and Tele-comm. Engg.	120	120	120
7	Information Technology	40	60	60
8	Bio-Technology	30	30	30
	Total	**460**	**570**	**600**
	PG Courses			
01	ME Civil Engg. (Environmental)	18	18	18
02	ME Mechanical Engg. (Machine Design)	18	18	18
03	ME E&TC (Digital Electronics)	---	--	18
04	ME Computer Sci. & Engg.	--	--	18
05	M.B.A.	--	60	60
	Total	**36**	**96**	**132**

B) Number of students admitted under various categories each year in the last three years.

	PG	UG									
Year	PG	Open	SC	ST	NT1	NT2	NT3	VJ	OBC	SBC	Total
2006-2007	26	263	28	01	05	04	06	04	117	--	428
2007-2008	--	143	44	04	03	12	06	07	140	08	367
2008-09	23	236	62	10	11	14	07	15	116	105	576

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

Sr.	Year	Application received	Admitted Number
1	2007-2008	190	92
2	2008-2009	400	114
3	2009-10	579	124

X. Admission Procedure (UG COURSES)

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

Sr.	Admission Test	Name and Address of Test Agency	URL (Website)
1	MHT-CET	Director of Technical Education, Maharashtra State 3, Mahapalika Marg, Mumbai -1	www.dte.org.in
2	AIEEE	CBSE, New Delhi	

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

2009-2010

Sr.	MHT-CET State Conducted test	AIEEE	Management Quota
1	65% (390 Seats)	15% (90 Seats)	20%

C) Calendar for admission against management/vacant seats 2009-10

Particular	Institute level Seats
Last date for request for applications.	07/07/2009
Last date for submission of application.	07/07/2009
Dates for announcing final results.(Merit List)	10/07/2009
Release of admission list (main list and waiting list should be announced on the same day)	10/07/2009
Date for acceptance by the candidate (time given should in no case be less than 15 days)	21/07/2009
Last date for closing of admission.	18/07/2009
Starting of the Academic session.	16/08/2009
The waiting list should be activated only on the expiry of date of main list.	25/08/2009

X. Admission Procedure (PG COURSES)

RULES & REGULATIONS FOR M.E. COURSE

1. The postgraduate degree in Engineering consisting of 2 years (4 semesters) shall be designated as Master of Engineering in prescribed branches
2. A candidate may be permitted to register him/er self for the M.E. degree under the faculty of Engineering & Technology of North Maharashtra University, Jalgaon only if the candidate holds a Bachelor's Degree in Engineering/Technology of North Maharashtra University, Jalgaon or its equivalent by AICTE, and North Maharashtra University, Jalgaon.
3. Preference will be given to graduates of North Maharashtra University, Jalgaon.
4. The students shall be admitted to second term of first year if his/her first term is granted.
5. The students shall be admitted to second year if his/her second term of first year is granted. However he/she will not be allowed to submit his/her thesis/ dissertation unless he/she has cleared all the Theory papers and has completed all the presentations of first term of second year.
6. Every students will be required to produce a record of laboratory work in the form of journal, duly certified for satisfactory completion of the Term Work by the concerned teacher and head of the department.
7. A student whose term is not granted on account of unsatisfactory attendance/ term work is required to repeat the semester.

The policy of refund of the fee, in case of withdrawal, should be clearly notified.

The candidate who has been provisionally admitted may cancel admission by submitting as application in duplicate, in the prescribed pro forma – O and may request for refund of fees. The refund of fees as applicable shall be made in due course. It is made clear that such application for cancellation will be considered if and only if the admission is confirmed by paying the prescribed tuition fee and other fees in full and by submitting the original documents. Refund shall be made after deduction of the cancellation charges as shown below:

1. In the event of student/candidate withdrawing before the starting of the course, the waitlisted candidates should be given admissions against the vacant seat. The entire fee collected from the student, after a deduction of the processing fee of not more than Rs. 1000/- (Rupees one thousand only) shall be refunded and returned by the Institution/University to the student/candidate withdrawing from the programme.
2. Should a student leave after joining the course and if the seat consequently falling vacant has been filled by another candidate by the last date of admission, the Institution must return the fee collected with proportionate deductions of monthly fee and proportionate hostel rent, where applicable.

XI. CRITERIA AND WEIGHTAGES FOR ADMISSION

A) Each criteria with its respective weightages i.e. Admission Test, marks in qualifying examination etc.

2.0 Eligibility Criteria:

2.1 Eligibility of Maharashtra State Candidate and OMS candidate for appearing for MHT-CET-2007:

Candidate should be an Indian National and should have passed/appeared* the HSC (Std.XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Mathematics.

Note:

- *Candidates who have appeared for qualifying examination i.e. HSC (Std. XII) or its equivalent examination during the academic year 2006-07 and whose results are not declared till the last date of submission of application form are eligible to appear for MHT-CET-2007, however for admission to first year of degree courses in Engineering/Technology, such candidates must fulfill the eligibility criteria as mentioned in rules 2.2 to 2.10 as applicable.
- Maharashtra State candidates (defined as per rule no. 3.1) and OMS candidates (defined as per rule no. 3.2) are eligible to appear for the MHT-CET- 2007 conducted by the Competent Authority of Government of Maharashtra for the academic year 2007–2008.
- Even though Outside Maharashtra State candidates are eligible to appear for the MHT-CET- 2007, it is specifically made clear that such OMS candidates **will not able to participate in the Centralized Admission Process**. These OMS candidates will be able to apply for the admissions against the Institute Level seats as well as the vacancy round of admission after completion of Centralized Admission Process, **ONLY in the Unaided Private Engineering Colleges/Institutes**.
- The faciltiy of Constitutional Reservation (Annexure-II) is not available for the OMS candidates. Therefore **OMS candidates** will be treated as **OPEN/GENERAL** category candidate in the entire admission process.

2.2 Eligibility criteria for Maharashtra State Candidate and Outside Maharashtra State Candidate for admission to first year of degree courses in Engineering/Technology:

Candidate should be an Indian National and should have passed the HSC (Std.XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Mathematics **AND** Secured minimum **50% marks** i.e. not less than 150 marks out of 300 marks (minimum **45% marks** i.e. not less than 135 marks out of 300 marks in case of candidates of Backward class categories belonging only to Maharashtra State) in **the subjects Physics, Chemistry and Mathematics** added together **AND** Obtained a **non zero score** in subjects Physics, Chemistry and Mathematics added together **at MHT-CET 2007**.

2.3 Eligibility Criteria for All India (AIEEE qualified) candidates: [for both the Maharashtra Candidates i.e. Type A, B, C, D, E and F (refer rule no. 3.1) **and for the OMS candidates** (refer rule no. 3.2)]

Candidate should be an Indian National and should have passed the HSC (Std.XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Mathematics **AND** secured minimum **50% marks** i.e. not less than 150 marks out of 300 marks (minimum **45% marks** i.e. not less than 135 marks out of 300 marks in case of candidates of Backward class categories belonging only to Maharashtra State) in the subjects Physics, Chemistry and Mathematics added together **AND** Candidate should have a valid AIEEE Score (i.e. total score should be positive) for the year 2007–2008.

2.4 Eligibility Criteria for Foreign National/Foreign student/ PIO/Children of Indian workers in the Gulf countries/Children of NRI

Candidate should have passed the HSC (Std.XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Mathematics and secured minimum 50% marks i.e. not less than 150 marks out of 300 marks in the subjects Physics, Chemistry and Mathematics added together.

- **The NRI candidates are eligible to apply for admission against the Institute level seats, only in Unaided Private Engineering Colleges/Institutes.** The extent to which such NRI candidates shall be admitted is limited to 15% of the sanctioned intake.
- **The eligibility of the candidates passing the HSC (Std. XII) equivalent examination from a school/college/Examination Board situate outside India shall be further decided by the University Authorities to which the candidate is admitted. Hence such candidates are advised to get their eligibility verified by the respective University Authorities before seeking admission to the Engineering courses in the State of Maharashtra.**
- **The candidate belonging to this type stated in rule 2.4, is not required to appear for the MHT-CET 2007/AIEEE 2007.**

2.5 Eligibility criteria for GOI nominees:

Candidate should be an Indian National and should have passed the HSC (Std.XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Mathematics and secured minimum 50% marks i.e. not less than 150 marks out of 300 marks (minimum 45% marks i.e. not less than 135 marks out of 300 marks in case of candidates of Backward class categories) in the subjects Physics, Chemistry and Mathematics added together.

- **The candidate belonging to this type stated in rule 2.5, is not required to appear for the MHT-CET 2007/AIEEE 2007.**

2.6 Eligibility criteria for J & K Migrant candidates:

Candidate should be an Indian National and should have passed the HSC (Std.XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Mathematics and secured minimum 50% marks i.e. not less than 150 marks out of 300 marks in the subjects Physics, Chemistry and Mathematics added together.

- **The candidate belonging to this type stated in rule 2.6 is not required to appear for the MHT-CET 2007/AIEEE 2007.**

2.7 Eligibility criteria for MKB candidates:

In addition to the basic eligibility criterion mentioned in rule no. 2.2, candidates who have appeared & obtained a non zero score in the MHT-CET 2007 and belonging to the Maharashtra Karnataka Disputed Border Area are required to fulfil following additional eligibility criterions.

- Candidates have to be from such villages/towns, from the Maharashtra Karnataka disputed border areas, on which Maharashtra puts its claim (Refer Annexure I).
- The candidate should produce the certificate that his/her father/mother/candidate himself/herself is a domicile of Karnataka in the disputed border area as specified in the Proforma G **OR** The candidate should produce the domicile certificate of his/her father/mother/candidate himself/herself stating that he/she is a resident of a village mentioned in Annexure –I.
- The candidate should have passed SSC (or equivalent) and/or HSC (or equivalent) from an Institution *situate* in the disputed border area. The candidate must produce a certificate from the Principal/Head Master of the College/School stating that the candidate has passed SSC/HSC (or equivalent) Examination from that Institution.
- Mother tongue of the candidate must be Marathi. The candidate must produce a certificate from the Principal/Head Master of the School from which he/she has passed the SSC (or equivalent) Examination, stating that the candidate's Mother tongue is Marathi as per the original School record.
- Candidate should have passed SSC or HSC (or equivalent) Examination with Marathi as one of the subject.

2.8 Eligibility criteria for Candidates who are sons/daughters of Defence service personnel:

In addition to the basic eligibility criterion mentioned in rule no.2.2, candidates who have appeared & obtained a non zero score in the MHT-CET 2007 and satisfying any one of the following criterions are eligible to seek admission against seats for sons/daughters of defence service personnel.

- Candidate is a son/daughter of ex-service personnel who is domiciled in Maharashtra State (Def-1).
- Candidate is a son/daughter of active service personnel who is domiciled in Maharashtra State (Def-2).
- Candidate is a son/daughter of active service personnel (Def -3)
  - Who is transferred to Maharashtra State but is not domiciled in Maharashtra State

- Who is not domiciled in Maharashtra State but his/her family is stationed in Maharashtra State under the provision of retention of family accommodation at the last duty station on the grounds of childrens' education, provided further that, such candidate should have appeared and passed the HSC (Std.XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination from a school/college situate in the State of Maharashtra.

Note:

This provision is NOT available to the children of CIVILIAN STAFF who is working/ who has worked with the Indian Defence Services.

2.9 Eligibility criteria for Candidates who are Physically Handicapped:

In addition to the basic qualification mentioned in rule no. 2.2, candidate who has appeared & obtained a non zero score in the MHT-CET 2007 and suffering from any one of the following disability is eligible to seek admission against seats for Physically Handicapped candidates [**only Maharashtra State candidates (Type A,B,C,D,E and F) are eligible to apply for admission against these seats**]

- Candidate who is visually impaired (blind) candidate (type P1)
- Candidate who is speech & hearing impaired (deaf & dumb) candidate (type P2)
- Candidate who is with orthopedic disorders, learning disabilities, Dyslexia, Dyscalculia, Dysgraphica, Spastic (type P3)

2.10 Other eligibility criteria for specialized branches of Engineering:

Candidates seeking admission to some special courses or under some special provisions have to fulfill the following additional eligibility criteria.

- **Admission to Bio- Medical/Bio-tech Engineering course :**
  Candidates seeking admission to Biomedical/Bio-Tech Engineering course should have passed in the subject of Biology in the qualifying examination in addition to fulfilling the Eligibility criteria as mentioned in rule no. 2.1.
- **Admission to Mining Engineering course:**
  Female candidates are not eligible for admission to Mining Engineering course.
- **Admission to Marine Engineering Course** in Padm. Vasantdada Patil Pratishtan's College of Engineering, Sion, Mumbai :
  Candidates aspiring to take admission to Marine Engineering Course in the following institute should directly contact the Principal of the college for eligibility criteria (Educational Qualification & Entrance Test) and admission process.

  Padm. Vasantdada Patil Pratisthan's College of Engineering,
  Padmabhushan Vasantdada Patil Education Complex,
  Eastern Express High way, Near Everard Nagar,
  Sion - Chunabhatti, , Mumbai – 400 022
  Phone no. (O) 022-2407 0547, 2402 1526 Fax no. 022-2403 8717
  Website-www.pvppcoe.ac.in

2.11 Eligibility criteria of Candidates who have passed/passing Diploma in Engineering/Technology and seeking admission to First Year of Engineering/Technology:
(Against Institute Level Seats/Vacant seats after completion of CAP)

Diploma holders who have passed the Diploma course in Engineering/Technology with minimum of 50% marks and medium of instruction as English from the Polytechnics affiliated to MSBTE or AICTE approved autonomous Polytechnics in Maharashtra State (for Maharashtra State Candidates) or such polytechnics situate inside/outside the State of Maharashtra (for Outside Maharashtra State Candidates).

Note:

1. To resolve a tie i.e. more than one candidate securing equal aggregate marks in Final year of the Diploma exam, following order of preference shall be adopted: Maths at SSC, Grand Total at SSC.
2. Eligible Diploma candidates (rule 2.11) shall be considered for Admission **against the Institute level seats/vacant seats** existing after completion of the Centralized Admission Process in **Unaided Private Institutes only**. The details of the admission process for filling application for admission agianst vacant seats shall be made available in the separate information brochure.
3. Such Diploma candidates (rule 2.11) are **not eligible** to appear for the MHT-CET 2007.

General Notes:

1. In case the maximum marks in individual subjects is other than 100 or total marks other than 300 then while converting marks out of 100 or total out of 300, no *rounding off* of the marks will be done. If the converted marks work out to be a figure with fraction, fraction up to two decimal places will only be considered e.g. if marks obtained (after conversion) added together work out to be 149.99 out of 300 (134.99 out of 300 for Reserved category MS candidate) then such a candidate will not be eligible for seeking admission to Degree courses in Engineering.
2. If **letter grades** are assigned instead of marks at SSC, HSC or its equivalent examination the candidate must obtain the certificate of conversion of letter of grades into marks from the competent authority where from the candidate has passed the examination. The candidate should produce such certificate at the time of submission of application form. The Eligibility shall be decided based on the equivalent marks submitted by such candidates.
3. If the candidate reappears for the qualifying examination (std XII or its equivalent) **with all subjects** then the marks obtained in the latest examination will only be considered for determining the eligibility criterion.
4. The Rules and Regulation/procedure stated herein is applicable for MHT-CET-2007 examination and selection to Engineering Courses for the academic year 2007-08. No promise is implied herein for the subsequent years and no expectation should be based on this for future.

Institute Level Seat and Vacant Seat.

1) Candidate passing the HSC (Std. XII) or its equivalent examination with subjects English, Physics, Chemistry and Mathematics and should have secured minimum 50% marks in Physics, Chemistry and Mathematics added together.

2) Candidates passing Diploma in Engg. / Technology course from Maharashtra State:

Diploma holders who have passed the diploma course in Engineering/Technology with minimum of 50% marks from the Polytechnics affiliated to MSBTE or AICTE approved autonomous Polytechnics in Maharashtra State.

B) Minimum level of acceptance, if any.

The candidate should have Passed the HSC (Std. XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Mathematics and secured minimum 50% marks i.e. 150 marks out of 300 marks (45% marks i.e. 135 marks out of 300 marks for backward class category candidates from Maharashtra) in the Subjects Physics, Chemistry and Mathematics added together in HSC (Std. XII) or its equivalent examination.

C) **The cut-off levels of percentage & percentile scores of the candidates in the admission test for the last three years.**

Sr.	Branch	2007-2008		2008-2009		2009-10	
		CET	AIEEE	CET	AIEEE	CET	AIEEE
1	Civil	42	12	32	28	60	63
2	Chemical	40	05	40	26	44	64
3	Computer	52	38	50	45	63	70
4	Electrical	54	12	50	29	30	69
5	Electronics & Tele.	50	30	47	43	59	78
6	Information Technology	50	26	51	41	51	62
7	Mechanical	49	21	42	38	49	82
8	Bio-Tech.	50	29	43	36	48	62

XV. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE LIBRARY.

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

S.No.	Department	No. of Titles of the Books	No. of Volumes	No.of Journals	
				National	International
1	Civil	1402	6027	8	6
2	Chemical	761	3436	6	6
3	Computer	1558	6939	5	6
4	I.T	435	2058	--	--
5	Electrical	495	2266	6	5
6	Electonics& Tele.	1329	7185	6	6
7	Mechanical	1405	7474	6	6
8	App.Sci.	1150	5138	7	5
9	Bio-Tech.	202	496	6	1
10	M.B.A	494	1422	10	3
11	General	471	624	--	--
	Total	9702	43065	60	44

B) E-Library facilities

Our college Library is an institutional member of INDEST (Indian National Digital Library in Engineering Science and Technology consortium) by Indian Institute of Technology New Delhi and we have subscribed ASME Journals.

Details of Laboratories and Workshop

NAME OF THE DEPARTMENT :- CIVIL ENGINEERING

Sr No	**Name of the laboratory/Workshop Detail**	**Total Area of lab/work shop in m^2**	**Major Equipment** above 50,000/-
1	Testing of Materials lab	171	1. Computerized Universal Testing Machine 2. Computerized Compression Testing Machine 3. Digitalized Tensile Testing Machine
2	Surveying lab	72 + 108 = 180	1. Total station 2. 1" Theodolite 3. Electronic distance measuring device 4. Digital Plannimeter
3	Fluid Mechanics Lab	306	1. Pelton wheel turbine 2. Francis turbine 3. Wind tunnel digitalized
4	Geo-technical Engineering Lab	189	1.Digitalized Triaxial shear testing machine 2. Standard penetration test apparatus 3. Plate load test apparatus
5	Transportation Engineering lab	90	-
6	Engineering Geology Lab	108	1. Aqua meter
7	Environmental Engg. Lab	108	Spectro phometer
8	Engineering Mechanics Lab	108 + 54 = 162	-
9	Computer Lab	36	-
10	Structural Model lab	142	-
11	Departmental library	30	-

Details of Laboratories and Workshop

NAME OF THE DEPARTMENT :- CHEMICAL ENGINEERING

S.No.	Name of the Laboratory /Workshop Details	Total area of lab./w.s. in m^2	Major equipment* Above 50000/-
1	Instrumentation & Process Control	108	Dynamic Response of Control Valve Rotameter
	Mechanical Operations	108	Rotary Vacuum Filter
	Mass Transfer	135	Absorption in Packed Column, Bubble Cap Distillation, Cooling Tower, Ion Exchange, Single Effect Evaporator
	Chemical Reaction Engineering	108	Rotating Basket Reactor Continuous Stirred Tank Reactor Plug Flow Reactor (Coil Type) Cascade Continuous Stirred Tank Reactor
	Chemical Technology	108	---------
	Computer lab.	81	Software Packages : Aspen Hysis SIM2K Computer Controlled Heat Exchanger System

*(Costing ≥ Rs. 50,000/-)

APP-06A-CH-MD-09

Details of Laboratories and Workshops

Name of the Department: - BIOTECHNOLOGY

S.No	Name of the Laboratory/Workshop Details	Total area of Lab/W.S in m^2	Major Equipment* Above 50000/-
01	Microbiology/ Biochemistry	162	Lyophilizer, Rotary flask shaker, Double distilled water plant, Vacuum Oven, Orbital Shaking Incubator,
02	Immunology/ Molecular Biology and Genetic Engg.	54	Microcentrifuge
03	Computer Lab/ Bioinformatics	54	5KVA UPS
04	Bioprocess Engineering and Fermentation Biotechnology	108	Fermenter, Autoclave, Rotary flask shaker.
05	Plant Tissue Culture	18	Laminar Air flow

***(Costing ≥ Rs. 50,000/-)**

Details of Laboratories

NAME OF THE DEPARTMENT :- COMPUTER ENGINEERING

A)

Sr.No	Name of the laboratory/Workshop Detail	Total Area of lab/work shop in m^2	Major Equipment above 50,000/-
01	Lab1-Data Structure Lab	90	PIII server, UPS online Software- NOVEL netware.
02	Lab2-Computer Networks Lab	45	UPS online
03	Lab3-Digital & Microprocessor Lab	45	TICK RTOS software and kits
04	Lab4-Programming Lab I	54	Software- Visual studio.net.
05	Lab5-Software Engineering Lab	67.5	IBM P-IV computer, software - Rational suite Enterprise
06	Lab6-Programming Lab- II	54	P-II server
07	Lab7- Database Lab	45	-
08	Lab8-System Programming Lab	54	-
09	Lab 9- Operating System Lab	54	UPS online
10	Server Room	09	Compaq Xeon server, PIII server, UPS online, Cisco Router, Network UTM device cyberoam.
11	Computer Engineering Department	1720	Two LCD projectors.

B) Details of Computer Center

Sr.No	Name of the laboratory/Workshop Detail	Total Area of lab/work shop in m^2	Major Equipment above 50,000/-
01	Computer Center	162	PC IBM Server P-IV 256MB DDR RAM 848022X, 2GHz E Server X 205 & Monitor 15", Dual Processor 256MB ECC RAM 18.2 SC/SI HDD
			UPS OSCAR 10KVA On line with Batteries
			UPS OSCAR 10KVA On line with Batteries
			LCD Projector EPSON – Make Sr.No. FCMG410025F
			LCD Projector EPSON – Make Sr.No.FCMG40009F
			Oracle Developer Suite 10g with WDP Program
			Online UPS , Server.

Details of Laboratories and Workshop

NAME OF THE DEPARTMENT: - INFORMATION TECHOLOGY

Sr. No	Name of the laboratory/Workshop Detail	Total Area of lab/work shop in m^2	Major Equipment above 50,000/-
01	Lab1-Hardware Lab	73	Computers,8085 microprocessor kit, power supply ,Stabilizer.
02	Lab2- Data Structure & files Lab	87	Computers, printer , Stabilizer.
03	Lab3- Programming Lab	73	Computers ,printer, Adaptor .
04	Lab4-Multimedia Lab	69	Computers, printer , Stabilizer.
05	Lab5-Embedded System Lab	58	Computers
06	Lab6-Network Lab	83	Computers
07	Lab7-Wbe Design/ S/w Engg Lab.	116	Computers
08	Lab8	97	Under development
09	Lab9	87	Under development
10	Lab10	87	Under development

Details of Laboratories and Workshop

NAME OF THE DEPARTMENT :- ELECTRONICS & TELECOMMUNICATION ENGG.

Sr No	**Name of the laboratory/Workshop Detail**	**Total Area of lab/work shop in m^2**	**Major Equipment** above 50,000/-
1	Electronics Devices & Circuit Lab	108	---
2	MMS/ DSP Lab	81	---
3	Departmental Computer VLSI Lab	54	1. IBM Server 2. UPS
4	Communication Lab	81	1. GHZ Spectrum Analyzer
5	RMT Lab	81	1. Microwave kit(MT9000) 2. Microwave kit(MT9001) 3. Microwave kit(MT9002)
6	Television Engg / Consumer Elex Lab	81	----
7	Design /Telematics Lab	81	---
8	Basic Electronics Lab / FOC Lab	81	---
9	Basic Elex Lab/ Power Elex Lab	108	---
10	EM/ E.I Lab	81	---
11	Network Analysis Lab	54	---
12	Project Lab	54	---
13	Seminar	45	1. LCD Projector 2. LAPTOP
14	Departmental Library	27	---

***** Major Equipment mean cost above 50,000/-

Details of Laboratories and Workshop

NAME OF THE DEPARTMENT: - ELECTRICAL ENGINEERING

Sr. No.	Name of the Lab	Area in Sq.m.	Total Major Equipment Above 50000/-
01	Measurement Lab	15x7.5= 12.50	
02	Control System Lab	11.25x7.5=84	
03	Seminar Hall	7.5x7.5=56	
04	Library cum Computer Lab	(7.5x3.80) + (3.6x2.10)=32	
05	HOD cum department office cum staff	7.5x9.65=72	
06	Electrical Machine Lab	233	
07	Switchgear Lab	111	
08	High Voltage Lab	44	50 KV AC/70 KVDC Set
09	Industrial Drives & Control Lab	150.29	

Details of Laboratories and Workshop

NAME OF THE DEPARTMENT: - MECHANICAL ENGINEERING .

Sr. No.	Name of the Laboratory /Workshop Details	Total area of Lab./w.s. in m^2	Major Equipment above 50,000/-
01	Heat Power Lab	108	1. Four Cylinder Four Stroke Diesel Engine Test Rig. & Accessories 2. Hydraulic Trainer & Accessories 3. Computerized 4 – Stroke Diesel Engine Test Rig.
02	Refrigeration & Air Conditioning	54	1. Vapour Absorption System 2. ICE Plant Tutor 3. Computerized A/c Test Rig.
03	Heat Transfer lab.	135	1. Kaplan Turbine Test Rig.
04	Tribology Lab.	54	1. Friction In Journal Bearing 2. Michell Tilting Pad Thrust Bearing Apparaus. 3. Friction & Wear Test Rig
05	Cad /Cam lab	54	1. SDRC Master Series ➢ SDRC Artisan 07 seats (Upgraded) ➢ Compaq Desktop 2. Auto Desk Mechanical Desktop Ver. 1.2 3. KEC Make kuanana UPS system with 28 ad 12 v. 12 nos Panasonic suf Battery Along With Rack Interconnecting Cables Basict Pageant 4. Computers 5. Neilsoft,406,Embassy center,11,crescent road, Kumara park Esat, Banglore 560001 India (Auto CAD 2005) 6. A001 -Core master modeler A002-Core drafting A003- Surfacing A004-Assembly A007-Manufacturing A009-Sim.Modelling A010-Simulation A145-Response } 7 Seats
06	Dynamics of Machinery	108	1. Slip and Creep Measurement Apparatus
07	Metrology	108	1. Gear Test Bench 2. Auto Collimator Model A-1 3. Angle Dekkor 4. Tool Maker Microscope Model No. TM 25 5. Gear Test Banch 6. Profile Projector

			7. Surface Test
08	Material Science & Engineering Metallurgy	135	1. Metallurgical microscope with C.C.T.V. attachment 2. Metallurgical Microscope 3. Ultrasonic Flow Detector 4. MetzerMonocumate MetallurgicaResearch Microscope Metz-783(08 Nos) Metallurgical
09	M.E. Computer Lab		1. Ansys introdactory multiphysics software ver.10.0 (5 licence) 2. MATLAB 2007 (2 licence) 3. ACER – LCD Projector 4. HP Design jet Printer. 5.UPS 7.5 Kva, Exide Make 6EL 144 V 6. AutoCAD Invertor Professional Suite 2010 (15 User)

Details of Laboratories and Workshop

NAME OF THE DEPARTMENT :- WORKSHOP

Sr. no	Name of the Workshop Section Details	Total area of Lab./w.s. in m^2	Major Equipment above 50,000/-
01	Machine shop with CNC lab	621.66	Lathe machine (28 NO) Milling machine (02NO) Planner machine (01 NO) Shaper machine (01 NO) Surface grinding machine(01 NO) Slotting machine (01 NO) CNC Lathe machine (01NO) CNC Milling machine (01NO)
02	Welding shop	60.84	----
03	Foundry shop	100.50	----
04	Black smithy shop	41.85	-----
05	Fitting shop	95.00	-----
06	Plumbing shop	76.00	-----
07	Tin smithy shop	68.00	-----
08	Carpentry Shop	95.00	-----

Details of Laboratories and Workshop

NAME OF THE DEPARTMENT :- APPLIED SCIENCE .

S.No.	**Name of the Laboratory /Workshop Details**	**Total area of Lab./w.s. in m^2**	**Major Equipment above 50,000/-**
01	Physics Laboratory	153	1. Magnetic Susceptibility set up. 2. Laser set up. 3. Hysterists loop set. 4. Ultrasonic Detector
02	Chemistry Laboratory	135	1. Muffle furnace 2. Oven
03	Language Laboratory	45	1. Computers (NO.=11) 2. Software (1.95 Lacks)*

*

Item no. 26

A) Facilities for conducting practical in the laboratories

Subject wise and laboratory wise list of material, machinery, equipment and instrument required to perform prescribed practical:

Name of course: **Civil Engineering** Class: FE subject: Elements of civil Engg.

SN	Experiment title	Name of equipment, machinery, instrument, Etc required to conduct experiment	Quantity		Whether experiment can be performed
			Required	Available	
01	Ranging of a line with ranging rod < 100 m, taking perpendicular and oblique offsets, recording location sketchesa	Line ranger, optical square, chain, tape	06 each	10 each	Yes
02	Observation of bearing and measuring length of polygon, calculation and adjustment of included angle	Prismatic compass, ranging rods, tap and nails	06 each	30 each	Yes
03	Study of level, Observation and recording of readings by collimation method	Dumpy level, leveling staff	06 each	10 each	Yes
04	Study of level, Observation and recording of readings by rise and fall method	Dumpy level, leveling staff	06 each	10 each	Yes

Name of course: Civil Engineering Class: FE subject: Engineering Mechanics

SN	Experiment title	Name of equipment, machinery, instrument, Etc required to conduct experiment	Quantity		Whether experiment can be performed
			Required	Available	
01	To find law of machine, efficiency of machine	a) Differential axle and Wheel b) Worm & Worm Wheel c) Single &Double Purchase Crab d) Sets of Weights e) Scales	02 02 02 each 04 02	02 02 02 each 04 02	Yes Yes Yes Yes Yes
02	Reaction of Beam	a) Sets of Weights b) Scales	04 02	04 02	Yes Yes
03	To find the forces in the members of Jib Crane	a) Jib crane b) Sets of Weights c) Scale	02 02 02	02 02 02	Yes Yes Yes
04	To find Coeff of friction for Flat Belt	a) Flat Belt b) Sets of Weights	04 02	04 02	Yes Yes
05	To find Moment of Inertia of a fly wheel	a) Fly Wheel b) Sets of Weights c) Scale d) Stop Watch	02 04 02 02	02 04 02 02	Yes Yes Yes Yes
06	To find value of g , using Compound Pendulum.	a) Pendulum b) Scale c) Stop Watch	02 02 02	02 02 02	Yes Yes Yes
07	To find M. I. of irregular body using torsional Pendulum.	a) Pendulum b) Regular body c) Stop Watch d) Irregular body	02 02 02 02	02 02 02 02	Yes Yes Yes Yes
08	Study of Impact of Elastic Bodies	a) Elastic Bodies	02 sets	02 sets	Yes
09	Study of gear Trains	a) Gear trains - Simple, Epicyclic, Compound,	01 each	01 each	Yes

Name of department: Civil Engineering

Name of subject: Surveying I Class: SE (Civil)

Facilities for conducting practicals in laboratory:

SN	Experiment title	Name of equipment, machine, instrument etc	Quantity		Whether experiment can be performed
			Required	available	
1	Measurements of horizontal and vertical angles by transit Theodolite,	Theodolite	6	9	YES
2	Measurements of horizontal angles of a triangle by repetition method.	Theodolite	6	9	YES
3	Theodolite Traverse survey project of a closed traverse with at least four sides.	Theodolite	6	9	YES
4	Computation of horizontal distances and elevations by Tacheometry for horizontal and inclined sights.	Theodolite	6	9	YES
5	Tacheometric contouring project with at least two instrument stations at 60 m apart.	Theodolite	6	9	YES
6	Radiation and intersection method in plane Table survey.	Plane Table Tripod Allidade U-Fork Plumb-bob Bubble Tube Ranging Rods Pegs	6	12	YES

7	Plane table survey project of a closed traverse of minimum four sides.	Plane Table Tripod Allidade U-Fork Plumb-bob Bubble Tube Ranging Rods Pegs	6	12	YES
8	Solution of three - Point problem in plane tabling.	Plane Table Tripod Allidade U-Fork Plumb-bob Bubble Tube Ranging Rods Pegs	6	12	YES
9	Use of box sextant and Abney level.	Box Sextant Abney level	2	2	YES
10	Study and use of Indian pattern clinometer and pantagraph.	Clinometer Pantagraph	3	3	YES
11	Road project for minimum length of 500m, including fixing of alignment, profile leveling, and cross sectioning.	Auto level	2	2	YES

Name of subject: Concrete Technology Class: SE (Civil)

Facilities for conducting practicals in laboratory:

SN	Experiment title	Name of equipment, machine, instrument etc	Quantity		Whether experiment can be performed
			Required	Available	
1	To determine Fineness of cement	I.S. sieves Cement Balance	1	2	Yes
2	To determine Setting time of Cement	V-Cat's Apparatus Mould Balance	1	2	YES
3	To determine Compressive strength of Cement	Crushing Testing Machine Mould Balance	1	1	
4	To determine Soundness of Cement	Le-Chatelier Balance	6	12	Yes
5	To determine Fineness modulus and sieve analysis of aggregate.	I.S.Sieves Balance	1 set	1 set	Yes
6	To determine Crushing value of aggregate	Crushing Testing Machine Balance	1	1	Yes
7	To determine Impact value of aggregate	Impact Testing Machine Balance	1	1	YES
8	To determine moisture content of aggregate	Oven Containers Balance	1	1	YES
9	To determine Abrasion value of aggregate	Loss-Angles Balance	1	2	YES
10	To determine shape factor of aggregate	Elongation index Flakiness index Balance	1	1	YES

11	To determine specific gravity of aggregate	Jar Balance	1	1	YES
12	To determine Workability of concrete (Slump cone and compaction factor)	Slump cone Balance	3	3	YES
13	To determine Compressive strength of concrete (Cubes and cylinders)	Crushing Testing Machine Mould Balance	1	1	YES
14	To determine Split test or tensile test of concrete (cylinders)	Crushing Testing Machine Mould Balance	1	1	YES
15	To determine Modulus of rupture (flexural strength) of concrete	Universal Testing Machine Mould Balance	1	1	YES
16	Concrete mix design by I.S. method	-	-	-	YES

Name of subject: Surveying II Class: SE (Civil)

Facilities for conducting practicals in laboratory:

SN	Experiment title	Name of equipment, machine, instrument etc	Quantity		Whether experiment can be performed
			Required	Available	
1	Measurement of horizontal and vertical angles by 1" theodolite..	1" Theodolite	2	2	Yes
2	Measurement of horizontal angles by reiteration method by 1" theodolite.	1" Theodolite	2	2	Yes
3	Study and use of nautical sextant for measurement of angles for hydrographic survey.	Nautical sextant	2	3	Yes
4	Plotting the cross-section of the river by sounding method.	Boat, sounding equipment	1	Nil	No
5	Solution of three point problem for hydrographic survey.	Three arm protactor	1	1	Yes
6	To find out the scale of the photograph	Areil photographs	4 pairs	4 pairs	Yes
7	Study and use of mirror stereoscope and finding out the air base distance.	Mirror stereoscope	3	4	Yes
8	Radial line method of plotting (photo triangulation).	Photo theodolite	1	Nil	No
9	Use of parallax bar for measuring parallax of two points and finding out the difference of elevation between them.	Parallex bar	2	2	Yes

10	Adjustment of Geodetic quadrilateral by any one method .	1” theodolite	2	2	Yes
11	Study and use of E.D.M. and its principle	EDM	1	1	yes

Name of subject: Fluid Mechanics I Class: SE (Civil)

Facilities for conducting practicals in laboratory:

SN	Experiment title	Name of equipment, machine, instrument etc	Quantity		Whether experiment can be performed
			Required	Available	
1	Measurement of viscosity.	Viscosity meter	01	01	YES
	Study of simple and differential manometers.	Manometer set up	01	01	YES
	Buoyancy: metacentric height of ship model.	Metacentric height apparatus with water tank Weights	01	01	YES
	Study of Bernoulli's theorem	Bernoulli's theorem apparatus with collecting water tank	01	01	YES
	Calibration of Venturimeter / Orificementre	Venturimeter Orifice meter	01	01	YES
	Electrical analogy method.	Elecrical analogy apparatus set up	01	01	YES
	Study of laminar flow/ Heleshaw's apparatus.	Haleshaw apparatus set up	01	01	YES
	Coefficients of Orifice / Mouthpiece / notches.	Orifice meter & mouthpiece apparatus setup	01	01	YES
	Study of Impact of jet.	Impactof jet apparatus.	01	01	YES

	Study of uniform flow formulae in open channel (Chezy's & Manning's formulae) / velocity distribution in open channel.	Open channel Apparatus Venturi flume Spill way	01	01	YES
	Specific energy and specific force.		01	01	YES

Name of subject: Engineering Geology Class: SE (Civil)

Facilities for conducting practicals in laboratory:

SN	Experiment title	Name of equipment, machine, instrument etc	Quantity		Whether experiment can be performed
			Required	Available	
1	Study of the minerals in hand specimen:	Mineral Specimens	35	182	YES
2	Study of the rock types in hand specimens	Rock specimens	40	170	YES
3	Construction of geological sections from contoured geological maps	Geological maps	-	-	YES

Item no. 26

APPENDIX 15

A) Facilities for conducting practical in the laboratories

Name of course**: Civil Engineering** Class: **T.E.** Subject: **Fluid Mechanics II**

Sr. No.	Experiment Title	Name of Equipment, machinery Instrument etc. required to conduct experiment	Quantity		Whether Expt. can be conducted
			Required	Available	
01	Study of boundary layer on flat plate	Wind Tunnel	01	01	Yes
02	Flow through pipes Laminar and Turbulent Flow and determination of friction factor	Laminar and turbulent flow apparatus	01	01	Yes
03	Drag and lift on an airfoil	Wind Tunnel Aerofoil Model	01	01	Yes
04	Drag and lift on cylinder	Wind Tunnel Cylinder	01	01	Yes
05	Hydraulic Jump	Adjustable channel with gates	01	01	Yes
06	Standing wave flume (Venturi Flume)	Adjustable channel with Model	01	01	Yes
07	Velocity distribution in open channel	Adjustable channel apparatus	01	01	Yes
08	Characteristics of Pelton Wheel	Pelton Wheel Turbine	01	01	Yes
09	Characteristic of Turbines	Franci's Turbine Kaplon Turbine	01 01	01 01	Yes
10	Characteristic of centrifugal pump	Centrifugal Pump	01	01	Yes

Name of course: **Civil Engineering** Class: **T. E.** subject: **Environmental Engineering I**

SN	Experiment title	Name of equipment, machinery, instrument, Etc required to conduct experiment	Quantity		Whether experiment can be performed
			Required	Available	
1	Alum Jar Test	Jar equipments,Chemicals,Nephelometer,	1,2	1,2	Yes
2	M.P.N.Test	Autoclave ,Oven	1	1	Yes
3	Solid test	Oven,Imhoff cone	1,3	1,3	Yes
4	Available Chlorine	Chlorine Testing Kit	1	2	Yes
5	Chloride test	Chemicals	-	-	Yes
6	Alkalinity Determination	Chemicals	-	-	Yes
7	Fluoride Test	Spectrophotometer	1	1	Yes
8	Dissolve Oxygen Test	Chemicals	1	1	Yes

Name of course**: Civil Engineering** Class: **T. E.** Subject: **Geotechnical Engineering I**

SN	Experiment title	Name of equipment, machinery, instrument, Etc required to conduct experiment	Quantity	Whether experiment can be performed
1	Field Density by core cutter method ,sand replacement method	Core cutter, sand replacement equipment	1	Yes
2	Sieve Analysis & particle size determination	Sieve set	1	Yes
3	Specific gravity determination by Pycnometer	Pycnometer	1	Yes
4	Determination of liquid limit & plastic limit	Casagrade's Apparatus	1	Yes
5	Determination of shrinkage limit	shrinkage dish, measuring cylinder	1	Yes
6	Determination of coefficient of permeability by constant head or variable head permeamerter	constant head permeamerter variable head permeamerter	1	Yes
7	Direct shear test	Direct shear test Machine	1	Yes
8	Unconfined compression test	Unconfined compression test Machine	1	Yes
9	Vane shear test	Vane shear test Apparatus	1	Yes
10	Proctor's test	Proctor's test Apparatus	1	Yes
11	Triaxial test	Triaxial Test Machine	1	Yes
12	C.B.R. Test or consolidation test	C.B.R. Test Machine	1	Yes
13	Swelling Test	Glass ware	-	Yes

Name of course: **Civil Engineering** Class: **T.E.** Subject: **Testing of materials**

SN	Experiment title	Name of equipment, machinery, instrument, Etc required to conduct experiment	Quantity	Whether experiment can be performed
1	Tension test on metals	UTM	1	Yes`
2	Hardness test on metals	Los angles test apparatus	1	Yes
3	Impact test on metals	Impact machine	1	Yes
4	Water absorption on bricks	Oven	1	Yes
5	Compression Test	CTM	1	Yes
6	Abrasion transverse test on Tiles	Abrasion Testing Machine	1	Yes
7	Moisture content of timber	Oven	1	Yes
8	Bending on Timber	UTM	1	Yes
9	Aggregate Abrasion Test	Abrasion Machine	1	Yes
10	Impact Test of aggregate	Impact Machine	1	Yes
11	Penetration Test	Penetration Machine	1	Yes
12	Ductility Test	Ductility Testing Machine	1	Yes
13	Softening Point	Softening Point Apparatus	1	Yes
14	Specific Gravity	Weigts,Glassware	1	Yes
15	Flash And Fire Point	Flash / Fire Apparatus	1	Yes
16	Viscosity Test	Viscometer	1	Yes
17	Marshal Stability Test	Marshal Stability Machine	1	Yes

Name of course: **Civil Engineering** Class: **T.E.** subject: Geotechnical Engineering II

SN	Experiment title	Name of equipment, machinery, instrument, Etc required to conduct experiment	Quantity		Whether experiment can be performed
			Required	available	
1	Plate load test	Plate load test apparatus	1	1	Yes
2	Standard penetration test –	Standard penetration test apparatus	1	1	Yes
3	Pile Load Test	Hammer	1	1	Yes

Name of course: **Civil Engineering** Class: **T.E.**

Subject: Numerical methods, application in Civil Engg.

SN	Experiment title	Name of equipment, machinery, instrument, Etc required to conduct experiment	Quantity		Whether experiment can be performed
			Required	available	
1	Computer programming	Computers	15	13	Yes

Item no. 26

A) Facilities for conducting practicals in the laboratories

Name of course: **Civil Engineering** Class: **B.E.** subject: Environmental Engineering II

SN	Experiment title	Name of equipment, machinery, instrument, Etc required to conduct experiment	Quantity		Whether experiment can be performed
			Required	available	
1	Determination of Total solids	Oven, Muffle Furnace	1 1	1 1	Yes
2	Determination of Oil Grease	Glass ware	5	6	Yes
3	Determination of BOD	BOD Incubator	1	1	Yes
4	Determination of COD	COD Assembly with heating coil	1	1	Yes
5	Determination of Sulfate/Chloride	Burette with Stand	1	1	Yes
6	Determination of salt content by electrical conductivity meter	conductivity meter	1	1	Yes
7	Determination of Total Nitrogen / different form of Nitrogen	Kjeldahl distillation assembly	1	1	yes
8	Determination of sulfate / phosphate content	Spectrophotometer	1	1	yes
9	General technique of Microbiology	Microbiological colony counter	1	1	Yes

Item no. 26

A) Facilities for conducting practicals in the laboratories

Name of course: **Civil Engineering** Class: **B.E.** subject: Industrial Water Pollution Control

SN	Experiment title	Name of equipment, machinery, instrument, Etc required to conduct experiment	Quantity		Whether experiment can be performed
			Required	available	
1	Hardness by EDTA method	Burrete with stand	5	6	Yes
2	Ammonia/Nitrogen	Kjeldahl distillation assembly	5	6	Yes
3	Nitratrate/nitrogen	Kjeldahl distillation assembly	5	6	Yes
4	Estimation of Phosphate	Spectrophotometer	1	1	Yes
5	Sulphate by spectrophotometric & turbidity meter	Spectrophotometer & tubiditymeter	1	1	Yes
6	Biological oxygen demand	BOD incubator	1	1	Yes
7	Chemical oxygen demand	COD assembly with heating coil	1	1	yes
8	Fluorides by SPANDS reagent	Spectrophotometer	1	1	yes
9	Heavy metals by AAS	Spectrophotometer	1	1	Yes
10	Estimation of NO_x	High volume sampler	1	00	NO
11	Estimation of SO_x	High volume sampler	1	00	NO
12	Estimation of particulate matter	High volume sampler	1	00	NO

NAME OF COURSE: - CHEMICAL ENGINEERING.
NAME OF THE DEPT: - CHEMICAL ENGG.
NAME OF SUBJECT: - CHEMISTRY - I [S.E.]

Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr. no.	Expt. Title	Name of eqpt,M/c, inst, etc.Required to conduct the expt	Requ.	Avail.	Whether ExptCan be conducted.
1	Surface Tension by using Stalagmometer.	1] Stalagmometer 2] Beaker	8 8	8 8	**Yes**
2	Heat of Neutralisation	1] Cu-calorimeter 2] Measu.cylinder 3] Wooden box with insulation. 4] Cu stirrer.	8 2 8 8	8 2 8 8	Yes
3	Water Equivalent of Cu-calorimeter.	1] Cu-calorimeter 2] Measu.cylinder 3] Wooden box with insulation. 4] Cu stirrer.	8 2 8 8	8 2 8 8	Yes
4	Hydrolysis of Methyl acetate & show that the reaction is of first order.	1] Stopper bottle 2] Water bath 3] 5 ml pipette. 4] Laboratory Oven	8 2 8 1	8 2 8 1	Yes
5	Determination of Equivalent weight eudiometrically.	1] Eudiometer 2] Porcelain dish 3] Measu.cylinder	8 8 2	8 8 2	Yes
6	Conductometeric titration.	1] Conductometer 2] Burette.	1 2	1 2	Yes
7	Heat of Solution. of Potassium nitrate.	1] Hard glass tube 2] Beaker. 3] Thermometer	8 8 8	8 8 8	Yes
8	Depression in Freezing point.	1] Hard glass tube 2] Beaker. 3] Thermometer	8 8 8	8 8 8	Yes
9	Saponification of Ethyl acetate & show that the reaction is of second order.	1] Stopper bottle 2] Water bath 3] 25 ml pipette.	8 1 8	8 1 8	Yes
10	Preparation of Colloidal solution of Starch	1] Conical flask 2] Funnel 3] Tripod stand	8 8 8	8 8 8	Yes

NAME OF COURSE: - CHEMICAL ENGINEERING.
NAME OF THE DEPT: - CHEMICAL ENGG.
NAME OF SUBJECT: - CHEMISTRY - II [S.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr. no.	Expt. Title	Name of eqpt,M/c, inst, etc.Required to conduct the expt	Requ.	Avail.	Whether ExptCan be conducted.
1	Organic Spotting [4]	Thiele's tube {mp/bp. Gas heating & test tubes.	8	8	Yes
2	Estimation of Acetone	Burette, Pipette, Conical flask ,stopper bottles.	8	8	Yes
3	Preparation of p-nitro acetanilide from acetanilide.	Beakers, Suction pump.	8 1	8 1	Yes
4	Estimation of Glucose	Burette, pipette, Conical flask, stopper bottles.	8	8	Yes
5	Preparation of Quinone from hydroquinone.	Beakers, Suction pump.	8 1	8 1	Yes
6	Preparation of Urea Formaldehyde resin.	Beakers Glass rod	8 8	8 8	Yes
7	Preparation of Nylon	Beakers Test tubes.	8 8	8 8	Yes

NAME OF COURSE: - CHEMICAL ENGINEERING.
NAME OF THE DEPT: - CHEMICAL ENGG.
NAME OF SUBJECT: - UNIT OPERATION-I {Fluid Mechanics.} [S.E.]

Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr. no.	Expt. Title	Name of eqptM/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt,Can be conducted.
1	Study of manometer.	1] Different types of manometer.	1 set	1 set	Yes
2	To determine the coefficient of venturimeter.	1] Venturimeter	1	1	Yes
3	To determine the coefficient of orificemeter.	1] Orificemeter	1	1	Yes

4	To determine the coefficient of nozzle meter.	1] Nozzle meter	1	1	Yes
5	Calibration of Rotameter.	1] Rotameter	1	1	Yes
6	Study of fans, blower, compressor.	1] Fans, blowers, compressors.	1	1	Yes
7	Characteristics of centrifugal pump	1] Centrifugal pump.	1	1	Yes
8	Reynold's expt.	1] Reynold's app.	1	1	Yes
9	Minor losses in pipes.	1] Piping system.	1	1	Yes
10	To determine the coefficient of friction for given piping system.	1] Piping System. 2] Manometer.	1 1	1 1	Yes

NAME OF COURSE: - CHEMICAL ENGINEERING.
NAME OF THE DEPT: - CHEMICAL ENGG.
NAME OF SUBJECT: - STRENGTH OF MATERIALS. [S.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr. no.	Expt. Title	Name of eqptM/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt,Can be conducted.
1	Tension test on mild steel.	1]Universal testing m/c 2] Extensometer	1 1	1 1	Yes
2	Izod and charpy impact test for comparing the toughness of different material like mild steel, copper,brass, aluminiumj.	1] Standard izod and charpy.	1	1	Yes
3	Bending test on timber	1]Universal testing m/c with defletiemeter scale.	1	1	Yes
4	Single shear & double shear test on mild steel.	1]Universal testing m/c. 2] Shear box.	1 1	1 1	Yes
5	Torsion test on M.S.	1] Torsion testing m/c 2] Vernier caliper.	1 1	1 1	Yes

NAME OF COURSE: - CHEMICAL ENGINEERING.
NAME OF THE DEPT: - CHEMICAL ENGG.
NAME OF SUBJECT: - COMPUTER APPLICATION [S.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr. no.	Expt. Title	Name of eqptM/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt,Can be conducted.
1	Introduction to Computer and Introduction to C language	Pentium-iv, digital computer.	12	12	Yes

2	Program for Addition and Subtraction of variables	Pentium-iv, digital computer.	12	12	Yes
3	Program for Multiplication, Division and Modulo of variables	Pentium-iv, digital computer.	12	12	Yes
4	Program to find the greatest number amongst 2 nos	Pentium-iv, digital computer.	12	12	Yes
5	Program to find Odd and Even number	Pentium-iv, digital computer.	12	12	Yes
6	Program to print 1 to 10 numbers in table format using nested for loop	Pentium-iv, digital computer.	12	12	Yes
7	Program for Addition using function	Pentium-iv, digital computer.	12	12	Yes
8	Program for Addition of two numbers using array.	Pentium-iv, digital computer.	12	12	Yes

NAME OF COURSE: - CHEMICAL ENGINEERING.
NAME OF THE DEPT: - CHEMICAL ENGG.
NAME OF SUBJECT: - CHEMICAL PROCESSES - I [S.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr. no.	Expt. Title	Name of eqptM/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt,Can be conducted.
1	Purification of Nacl from impure Nacl by crystalization.	Beaker, funnels, glass rod, evaporating dish, tripod stand, wire gauze, burette.	8	8	Yes
2	Estimation of available chlorine in bleaching powder.	Burette, pipette, stand, conical flask.	8	8	Yes
3	Analysis of cement. Fe content in cement.	Crucible, pair of tongs, conical flask, burette, pipette,	8 8	8 8	Yes
4	Preparation of sodium thiosulphate.	Evaporating dish, Buckner funnel, ice bath.	8	8	Yes
5	Preparation of ferrous ammonium sulphate	Beaker, buchner funnels.	8	8	Yes
6	Analysis of fertilizers.	Burette, pipette, conical flask.	8	8	Yes
7	Flue gas analysis	Orsat apparatus	1	1	Yes.
8	Determination of % of copper in brass.	Brass sample, conical flask, burette, pipette, valumetric.flask,	8	8	Yes

NAME OF COURSE: - CHEMICAL ENGINEERING.
NAME OF THE DEPT: - CHEMICAL ENGG.
NAME OF SUBJECT: - CHEMISTRY - III [S.E.]

Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr. no.	Expt. Title	Name of eqptM/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt,Can be conducted.
1	Determination of Sodium bicarbonate & Sodium carbonate in given alkali mixture.	Burette Pipette Conical flask.	8 8 8	8 8 8	Yes
2	Gravimetric determination of Fe as Fe_2O_3	Volum. Flask Funnel Crucible. Muffle furnace	8 8 8 1	8 8 8 1	Yes
3	Determination of Chloride content of given sample by Mohr's method.	Burette Pipette Conical flask.	8 8 8	8 8 8	Yes
4	Gravimetric estimation of Nickel as Ni- DMG.	Volum. Flask. Beakers Gooch- crucible Suction pump. Laboratory Oven.	8 8 8 1 1	8 8 8 1 1	Yes
5	Manganese by Volhard's method.	Volum. Flask. Burette. Pipette. Conical flask.	8 8 8 8	8 8 8 8	Yes
6	Determination of amount of Magnesium volumetrically by using disodium EDTA.	Burette. Pipette. Conical flask.	8 8 8	8 8 8	Yes
7	Estimation of copper volumetrically from given solution of Cu SO_4.	Burette. Pipette. Conical flask. Funnel.	8 8 8 8	8 8 8 8	Yes
8	Determination of strength in normal terms & in gram. /lit of FeSO4 solution.	Burette. Pipette. Conical flask	8 8 8	8 8 8	Yes

NAME OF COURSE: - CHEMICAL ENGINEERING.
NAME OF THE DEPT: - CHEMICAL ENGG.
NAME OF SUBJECT: - UNIT OPERATION – II
(MECHANICAL OPERATIONS). [S.E.]

Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory

Sr. no.	Expt. Title	Name of eqptM/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt,Can be conducted.
1	To determine rate of filtration using plate & frame filter press.	Plate & frame filter press.	1	1	Yes
2	To determine filtration rate of rotary vacuum filter.	Rotary vacuum filter	1	1	Yes
3	To determine mixing index of ribbon blender	Ribbon blender	1	1	Yes
4	To verify laws of crushing & grinding.	Ball mill.	1	1	Yes
5	To determine the overall effectiveness of vibrating screen.	Vibrating screen.	1	1	Yes
6	To study separation of solids by sedimentation	Batch sedimentation assembly.	1	1	Yes
7	To ascertain fineness number & differential & cumulative analysis of sand.	Sieve shaker	1	1	Yes
8	To study the operation behavior of the cyclone by using different materials.	Cyclone separators	1	1	Yes
9	To find out the minimum fluid sing velocity.	Fluidisation equipment.	1	1	Yes

A) Facilities for conducting Practicals in the Laboratories

1.Name of Course: Chemical Engg, Class:- T.E. Subject:- Chemical Processes-II

Sr. no.	Expt. Title	Name of eqpt, M/c, inst, etc. Required to conduct the expt.	Quantity		Whether Expt, Can be conducted.
			Requ.	Avail.	
1	Estimation of sugar / glucose	Volumetric flask, Burette, pipette, conical flask.	8 each	8 each	Yes
2	Determination of saponification value of an oil	Burette, pipette, conical flask.	8 each	8 each	Yes
3	Determination of acid value of an oil	Burette, pipette, conical flask.	8 each	8 each	Yes
4	Determination of iodine value of an oil	Burette, pipette, conical flask.	8 each	8 each	Yes
5	Preparation of azo dye	Beaker, glass rod, Buchner funnel, Suction Pump	1 set	1 set	Yes
6	Preparation of soap	Beaker, glass rod, petry dish.	8 each	8 each	Yes
7	Preparation of green pigment	Beaker, glass rod, funnel, oven	1 set	1 set	Yes
8	Preparation of yellow pigment	Beaker, glass rod, funnel, oven, air compressor	1 set	1 set	Yes
9	Preparation of blue pigment	Beaker, glass rod, funnel, oven	1 set	1 set	Yes
10	Preparation of drug aspirin	Conical flask, Burette, glass rod, Water Bath, Buchner funnel, Suction Pump	1 set	1 set	Yes

Name of Course: Chemical Engg, Class:- T.E. Subject:-Process Heat Transfer

Sr. no.	Expt. Title	Name of eqpt, M/c, inst, etc. Required to conduct the expt.	Quantity		Whether Expt, Can be conducted .
			Requ.	Avail.	
1	Conductivity of metal rod and / or insulator.	Metal rod ,heater coil, Digital temp indicator, Dimmerstat Voltmeter, Ammeter, Measuring flask, stop watch, supporting structure,	1 set	1 set	Yes
2	Heat Transfer From Pin-Fin	Duct, fins, Temp indicator, Dimmerstat, Heater, Voltmeter, Ammeter	1 set	1 set	Yes
3	Experiments on forced convection	Pipe, temperature indicator, Ammeter, Voltmeter, dimmerstat, blower.	1 set	1 set	Yes

4	Experiment on natural convection apparatus.	Brass tube, Pipe, temperature indicator, Ammeter, Voltmeter, dimmerstat	1 set	1 set	Yes
5	Determination of emmisivity of test plates	Emmisivity of test plates, temperature indicator, Ammeter, Voltmeter, dimmerstat.	1set	1set	Yes
6	Determination of Stefan Boltzman constant	Stefan Boltzman apparatus	1 set	1 set	Yes
7	Determination of heat transfer coefficient in Parallel/Counter flow heat exchanger	Parallel/Counter flow heat exchanger , Temperature indicator, rotameter.	1 set	1 set	Yes
8	Study of heat transfer in evaporator	Single effect evaporator	1 set	1 set	Yes
9	Temperature profile in a rod	Metal rod	1 set	1 set	Yes
10	Study of evaporators	Study experiment	1 set	1 set	Yes
11	Dropwise and filmwise condensation	Dropwise and filmwise condensation apparatus	1 set	1 set	Yes

Name of Course: Chemical Engg, Class:- T.E. Subject:-Mass Transfer-I

Sr. no.	Expt. Title	Name of eqpt, M/c, inst, etc. Required to conduct the expt.	Quantity		Whether Expt, Can be conducted.
			Requ.	Avail.	
1	Diffusion in still air.	Compressor, linear scale, glass tube with fluid, stand.	3 sets	3 sets	Yes
2	Liquid - Liquid diffusion.	Standard porous pot with covering glass vessels, weighing balance, vernier caliper, mesu. scale, chemicals.	3 unit	9 unit	Yes
3	Solid liquid diffusion.	Glasswares, stirrer with speed control, stand, vernier caliper, comp. mesu.system.	1 unit	1 unit	Yes
4	Wetted wall column: To calculate mass transfer coefficient for air water system.	Wetted wall column with rotameter, temp.mesu. System, Compressor.	1 unit	1 unit	Yes
5	Cooling tower: Air water system.	Cooling tower with air blower, centrifugal pump, water storage tank, Rota meter, heater, temp. sensors, tower with packing material, 3 starter, physical chart.	1 unit	1 unit	Yes
6	Absorption in packed column.	Absorber with packed column with CO_2 & air supply with flow rate mesu. system, supply tank & 3-phase compressor & composition mesu. System, weighting system.	1 unit	1 unit	Yes

7	Natural {pan} dryer.	Pan dryer, wt. Box, etc.	1 unit	1 unit	Yes
8	Fluidized bed dryer.	Fluidized bed dryer with heat controller.	1 unit	1 unit	Yes

Name of Course: Chemical Engg, Class:- T.E. Subject:-Instrumentation & Instrumental Analysis

Sr. no.	Expt. Title	Name of eqpt, M/c, inst, etc. Required to conduct the expt.	Quantity		Whether Expt, Can be conducted.
			Requ.	Avail.	
1	To study the response of bimetallic thermometer.	Bimetallic thermometer, mercury thermometer, beaker.	1	1	Yes
2	Calibration of thermocouple.	Thermocouple, mercury thermometer, beaker.	1	1	Yes
3	To measure the pH of given solution.	pH meter	1	2	Yes
4	To measure the conductance of given solution.	Conductivity meter	1	2	Yes
5	To determine concentration of given solution by colorimeter	Colorimeter	1	1	Yes
6	Flame photometry (Study expt.)	Flame photometer	1	1	Yes
7	Thin layer chromatography	TLC apparatus.	6	6	Yes
8	Paper chromatography	Paper chromatography apparatus.	6	6	Yes
9	Abbey's Refractometer. To find out refractive index.	Abbey's Refractometer.	1	1	Yes

Name of Course: Chemical Engg, Class:- T.E. Subject:-Chemical Reaction Engg.-I

Sr. no.	Expt. Title	Name of eqpt, M/c, inst, etc. Required to conduct the expt.	Quantity		Whether Expt, Can be conducted.
			Requ.	Avail.	
1	To determine the reaction rate constant {k} for given reaction.	Batch Reactor/CSTR.	1	1	Yes
2	To determine the effect of temperature on reaction rate constant.	Batch Reactor/CSTR.	1	1	Yes
3	To determine the activation energy {e} for the given reaction.	Batch Reactor/CSTR.	1	1	Yes
4	To draw C [t], E [t] & f [t] curve & to calculate the mean residence time {tm} variance {r^2} & skew ness {s^3} for plug flow reactor.	Plug flow Reactor [Straight tube.]	1	1	Yes

5	To draw C [t], E [t] & f [t] curve & to calculate the mean residence time {tm} variance {r^2} & skew ness {s^3} for packed Bed reactor.	Packed Bed Reactor.	1	1	Yes
6	To study the cascaded CSTR	Cascaded CSTR	1	1	Yes
7	To draw C [t], E [t] & f [t] curve & to calculate the mean residence time {tm} variance {r^2} & skew ness {s^3} for Annular reactor.	Annular reactor	1	1	Yes
8	To study the kinetic in tubular flow reactor [coiled tube] for the given reaction.	Coiled tube Tubular flow Reactor.	1	1	Yes

Name of Course: Chemical Engg, Class:- T.E. Subject:-Mass Transfer-II

Sr. no.	Expt. Title	Name of eqpt, M/c, inst, etc. Required to conduct the expt.	Quantity		Whether Expt, Can be conducted.
			Requ.	Avail.	
1	To prepare ternary diagram for acetic acid benzene, water system.	Extraction app., burette, pipette, conical flask	3	3	Yes
2	To plot the tie line for the system used in expt.	Extraction assembly, separating funnel, burette, pipette, conical flask.	3	3	Yes
3	To determine the % efficiency of two stage cross current extraction process.	Extraction assembly, separating funnel, burette, pipette, conical flask.	3	3	Yes
4	To determine % recovery of NaOH in leaching apparatus	Leaching process app., beaker, burette, and pipette.	3	3	Yes
5	To determine the % yield of crystals with & without seeding operation.	Crystallization app.	1	1	Yes
6	To verify the Rayleigh's equation for simple batch distillation.	Batch distillation.	2	2	Yes
7	To study adsorption of acetic acid in charcoal.	Conical flask, burette, pipette Adsorption column.	6	6	Yes
8	To study mass transfer equipment.		1	1	Yes

A) Facilities for conducting Practicals in the Laboratories

Name of Course: Chemical Engg, Class:- B.E. Subject:-Process Dynamics & Control

Sr. no.	Expt. Title	Name of eqpt, M/c, inst, etc. Required to conduct the expt.	Quantity		Whether Expt, Can be conducted.
			Requ.	Avail.	
1	To study dynamic response of first order system {mercury thermometer.}	Thermometer, heater, stopwatch.	1	1	Yes
2	To study dynamic behaviour of single tank system.	Single tank, pump, level indicator.	1	1	Yes
3	Dynamic behaviour of two tank non-interacting system.	Non-interacting system, stopwatch, pump.	1	1	Yes
4	Dynamic behaviour of two tank interacting system.	Interacting system, stopwatch, pump.	1	1	Yes
5	Study of pneumatic controllers.	PI controller, compressor.	1	1	Yes
6	Dynamic behaviour of second order system	Compressor, Air receiver, pressure gauge, manometer, stopwatch.	1	1	Yes
7	Study of characteristics of control valve.	Pneumatically operated valve, compressor, Rota meter, and stopwatch.	1	1	Yes
8	Study of closed loop control system.	Closed loop control system, consisting of valve, tank, recorder, and controller.	1	1	Yes

Name of Course: Chemical Engg, Class:- B.E. Subject:-Chemical Reaction Engg.-II

Sr. no.	Expt. Title	Name of eqpt, M/c, inst, etc. Required to conduct the expt.	Quantity		Whether Expt, Can be conducted.
			Requ.	Avail.	
1	To study the reaction of solid liquid system for an instantaneous reaction for benzoic acid NaOH & calculate the enhancement factor.	Solid liquid reactor.	1	1	Yes
2	To study the isothermal decomposition of ethyl alcohol in tubular reactor packed with activated alumina catalyst.	Catalytic packed bed reactor.	1	1	Yes
3	To improve the % purity of commercially used ethanol using reactive distillation.	Distillation assembly.	1	1	Yes

4	To improve the % purity of commercially used ethanol using extractive distillation.	Distillation assembly.	1	1	Yes
5	To carry out the catalytic reaction to convert the nitrobenzene to aniline in presence of iron filling/HCl catalyst in the reactor.	Rotating basket reactor.	1	1	Yes
6	To study the reaction of liquid liquid system for butyl acetate NaOH & to calculate the enhancement factor.	Conical flask, beaker, pipette, burette.	1 Each	1 Each	Yes
7	Absorption – to study the reaction of liquid gas system for NaOH – CO_2 % to determine rate of absorption.	Absorption column.	1	1	Yes
8	Adsorption- to study the adsorption of Acetic acid on charcoal	Adsorption column.	1	1	Yes

Name of Course: Chemical Engg, Class:- B.E. Subject:-Computer Aided Process Equipment Design Modeling & Simulation.

Sr. no.	Expt. Title	Name of eqpt, M/c, inst, etc. Required to conduct the expt.	Quantity		Whether Expt, Can be conducted.
			Requ.	Avail.	
1	Computer aided design of shell & tube heat exchanger.	Pentium-iv, digital computer.	12	12	Yes
2	Computer aided design of single effect evaporator.	Pentium-iv, digital computer.	12	12	Yes
3	Computer aided design of rotary dryer.	Pentium-iv, digital computer.	12	12	Yes
4	Simulation of ammonia production system.	Pentium-iv, digital computer.	12	12	Yes
5	Simulation of catalyst temperature by Newton Raphson method.	Pentium-iv, digital computer.	12	12	Yes
6	Simulation of Reactor Design	Pentium-iv, digital computer.	12	12	Yes
7	Computer control heat exchanger.	Computer control heat exchanger.	1	1	Yes
8	Computer Aided Design of absorber	Pentium-iv, digital computer.	12	12	Yes

B) List of Practicals which cannot be performed or conducted in the existing facilities actually available in the college.

Sr.No.	Name of the Department	Class	Title of Experiment	Name of Institute where the experiments are processed to conducted	When the deficiency in equipment will be fulfilled
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NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - MICROBIOLOGY [S.E]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr.No.		Title of the Experiment	Name of eqpt M/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt, Can be conducted.
1		Use and care of Microscope	Compound microscope	10	10	Yes
2		Examination of Microorganisms	Compound microscope	10	10	Yes
3		Micrometry	Compound microscope, Stage Micrometer & Occular Micrometer	10 10 10	10 10 10	Yes
4	A	Simple staining of Bacteria	Compound microscope, Staining stands Vortex Shaker	10 02 01	10 03 01	Yes
	B	Gram staining of Bacteria				
	C	Bacterial spore staining				
	D	Capsule staining of bacteria				
5		Microscopic count by Haemocytometer	Compound microscope, Haemocytometer	10 10	10 10	Yes
6		Viable cell count	Colony counter Petri plates Incubator	01 36 01	01 40 02	Yes
7		Turbidity measurement	Spectrophotometer Micropipettes Conical Flask Beaker Orbital incubator shaker	01 02 04 02 01	01 06 10 10 01	Yes
8		Culture media preparation	Oven Double distilled plant Autoclave pH Meter Electronic Balance Conical Flask Beaker Measuring Cylinder Petri plates	01 01 01 01 01 08 04 01 36	01 01 01 01 01 10 10 02 40	Yes
9		Cultivation of microorganism	Refrigerator Petri plates Rotary flask shaker	01 36 01	01 40 01	Yes
10		Streak plate method	Petri plate Incubator	18 01	20 01	Yes
11		Serial dilution agar plate method	Petri plate Test tubes Incubator	36 30 01	40 50 01	Yes

12	A	Effect of UV radiation	Laminar air flow Culture tube	01 18	01 20	Yes
	B	Effect of temperature (Heat)	Incubator Refrigerator Water bath Thermometer	01 01 01 02	01 01 01 02	Yes
	C	Effect of antimicrobial agent	Glass spreader Petri plates Conical flask	05 18 04	05 20 10	Yes
13		Water microbiology	Pipettes Test tubes	30 120	30 150	Yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - FLUID FLOW & SOLID HANDLING [S.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr. no.	**Expt. Title**	**Name of eqptM/c, inst, etc.Required to conduct the expt.**	**Requ.**	**Avail.**	**Whether Expt,Can be conducted.**
01	To study separation of solids by sedimentation	Batch sedimentation assembly.	1	1	Yes
02	To ascertain fineness number & differential & cumulative analysis of sand.	Sieve shaker	1	1	Yes
03	To verify laws of crushing & grinding.	Ball mill.	1	1	Yes
4	To verify laws of crushing & grinding.	Jaw crusher	1	1	Yes
05	To determine rate of filtration using plate & frame filter press.	Plate & frame filter press.	1	1	Yes
06	To determine filtration rate of rotary vacuum filter.	Rotary vacuum filter	1	1	Yes
07	To find out the minimum fluid sing velocity.	Fluidisation equipment	1	1	Yes
08	To determine the coefficient of venturimeter.	Venturimeter	1	1	Yes
09	To determine the coefficient of orificemeter.	Orificemeter	1	1	Yes
10	To determine the coefficient of nozzle meter.	Nozzle meter	1	1	Yes
11	Verification of Bernoulli's theorem.	Bernoulli's apparatus	1	1	Yes
12	Reynold's expt.	Reynold's app.	1	1	Yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - COMPUTER APPLICATION [S.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr. no.	Expt. Title	Name of eqptM/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt,Can be conducted.
1	Introduction to computer, O.S, M.S Office, Programming languages	Pentium-iv, digital computer.	10	10	Yes
2	History, C editor – C language	Pentium-iv, digital computer.	10	10	Yes
3	a +b, a-b, a*b, a/b, a % b using key board.	Pentium-iv, digital computer.	10	10	Yes
4	Using conditional operator find out largest number.	Pentium-iv, digital computer.	10	10	Yes
5	If – else – program using if – else.	Pentium-iv, digital computer.	10	10	Yes
6	For or while or Do while / nesting of for to print table of 1 to 10.	Pentium-iv, digital computer.	10	10	Yes
7	Addition using function.	Pentium-iv, digital computer.	10	10	Yes
8	Array - program using array.	Pentium-iv, digital computer.	10	10	Yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - BIOCHEMISTRY [S.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr.No.	Title of the Experiment	Name of eqpt M/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt, Can be conducted.
1	Estimation of carbohydrates.	Electronic balance Spectrophotometer Beaker Conical flask Pipettes Burettes Test tubes	01 01 06 05 05 02 25	01 01 15 15 25 02 50	Yes
2	Estimation of proteins.	Electronic balance Spectrophotometer Water bath Beaker Conical flask Pipettes	01 01 01 06 05 05	01 01 01 15 15 25	Yes

		Test tubes	25	50	
3	Estimation of nucleic acids.	Electronic balance Spectrophotometer Water bath Beaker Conical flask Pipettes Test tubes	01 01 01 06 05 05 25	01 01 01 15 15 25 50	Yes
4	Separation of amino acids by paper chromatography.	Whatmann filter paper Chromatographic Chamber Sprayer Incubator	01 01 02 01	10 01 02 02	Yes
5	Separation of sugars by paper chromatography.	Whatmann filter paper Chromatographic Chamber Sprayer Incubator	01 01 02 01	10 01 02 02	Yes
6	Extraction of Lipids.	Electronic Balance Beaker Conical flask Pipettes Test tubes Centrifuge	01 05 05 05 20 01	01 15 15 25 50 01	Yes
7	Thin layer Chromatography.	Electronic Balance Glass plates TLC Kit Incubator UV Chamber Sprayer	01 18 01 01 01 02	01 20 01 02 01 02	Yes
8	Gel Electrophoresis.	Electronic Balance Vertical electrophoresis Kit Horizontal electrophoresis Kit Power supply unit Beaker Conical flask Micro-pipette Microcentrifuge	01 01 01 01 05 05 02 01	01 01 01 01 20 15 02 01	Yes
9	Assay of enzyme activity	Spectrophotometer Electronic Balance Water bath Incubator Beaker Conical flask Pipettes Test tubes	01 01 01 01 05 05 08 25	01 01 01 02 15 15 25 50	Yes
10	Assay of enzyme kinetics.	Spectrophotometer Electronic Balance Water bath Incubator Beaker Conical flask Pipettes Test tubes	01 01 01 01 05 05 08 25	01 01 01 02 15 15 25 50	Yes

11	Cell fractionation.	Centrifuge Beaker Conical flask Electronic Balance	01 05 05 01	01 15 15 01	Yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - CHEMISTRY [S.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory

Sr. no.	Expt. Title	Name of eqpt,M/c, inst, etc.Required to conduct the expt	Requ.	Avail.	Whether ExptCan be conducted.
1	Preparation of p-nitro acetanilide from acetanilide.	Beakers, Suction pump.	8 1	8 1	Yes
2	Preparation of Quinone from hydroquinone.	Beakers, Suction pump.	8 1	8 1	Yes
3	Hydrolysis of Methyl acetate & show that the reaction is of first order.	Stopper bottle Water bath 5 ml pipette. Electric oven	8 2 8 1	8 2 8 1	Yes
4	Saponification of Ethyl acetate & show that the reaction is of second order.	Stopper bottle Water bath 25 ml pipette.	8 1 8	8 1 8	Yes
5	Surface Tension by using Stalagmometer.	Stalagmometer Beaker	8 8	8 8	**Yes**
6	Preparation of Colloidal solution of Starch	Conical flask Funnel Tripod stand	8 8 8	8 8 8	Yes
7	To Verify Freundlich adsorption isotherm	Stopper bottle Burette Pipette. Funnel	8 8 8 8	8 8 8 8	Yes
8	Estimation of Acetone	Burette, Pipette, Conical flask, stopper bottles.	8	8	Yes
9	Estimation of Aniline	Burette, Pipette, Conical flask, stopper bottles, volumetric flask.	8	8	Yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - IMMUNOLOGY [S.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr.No.	Title of the Experiment	Name of eqpt M/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt, Can be conducted.
1	Immunoelectrophoresis	Immunoelectrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator	01 01 01 02 01	01 01 01 06 01	Yes
2	Radial immunodiffusion	Immunoelectrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator	01 01 01 02 01	01 01 01 06 01	Yes
3	Antigen –Antibody interaction: The Ouchterlony procedure	Immunoelectrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator	01 01 01 02 01	01 01 01 06 01	Yes
4	Introduction to ELISA reactions	Microcentrifuge Micropipettes Refrigerator	01 02 01	01 06 01	Yes
5	AIDS KIT-1: Simulation of HIV-1 detection	Micropipettes Refrigerator	02 01	06 01	Yes
6	Western Blot Analysis – demo	Vertical Electrophoresis Power supply Microcentrifuge Micropipettes Refrigerator	01 01 01 02 01	01 01 01 06 01	Yes
7	Immunology of pregnancy test – demo	Micropipettes Refrigerator	02 01	06 01	Yes
8	Viral antigen detection by rapid immuno-chromatographic cassette assay	Micropipettes	02	06	Yes
9	Latex agglutination test	Immunoelectrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator	01 01 01 02 01	01 01 01 06 01	Yes
10	Precipitin reaction	Immunoelectrophoresis kit Power supply Micropipettes Refrigerator	01 01 02 01	01 01 06 01	Yes

11	Antibody titer test	Immunoelectrophoresis kit Power supply Micropipettes Refrigerator	01 01 02 01	01 01 06 01	Yes
12	Agglutination reaction	Immunoelectrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator	01 01 01 02 01	01 01 01 06 01	Yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - PROCESS HEAT TRANSFER [S.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory

Sr. no.	Expt. Title	Name of eqpt, M/c, inst, etc. Required to conduct the expt.	Quantity		Whether Expt, Can be conducted.
			Requ.	Avail.	
1	Conductivity of metal rod and / or insulator.	Metal rod ,heater coil, Digital temp indicator, Dimmerstat Voltmeter, Ammeter, Measuring flask, stop watch, supporting structure,	1 set	1 set	Yes
2	Heat Transfer From Pin-Fin	Duct, fins, Temp indicator, Dimmerstat, Heater, Voltmeter, Ammeter	1 set	1 set	Yes
3	Experiments on forced convection	Pipe, temperature indicator, Ammeter, Voltmeter, dimmerstat, blower.	1 set	1 set	Yes
4	Experiment on natural convection apparatus.	Brass tube, Pipe, temperature indicator, Ammeter, Voltmeter, dimmerstat	1 set	1 set	Yes
5	Determination of Emmisivity of test plates	Emmisivity of test plates, temperature indicator, Ammeter, Voltmeter, dimmerstat.	1set	1set	Yes
6	Determination of Stefan Boltzman constant	Stefan Boltzman apparatus	1 set	1 set	Yes
7	Determination of heat transfer coefficient in Parallel/Counter flow heat exchanger	Parallel/Counter flow heat exchanger , Temperature indicator, rotameter.	1 set	1 set	Yes
8	Study of heat transfer in evaporator	Single effect evaporator	1 set	1 set	Yes

9	Temperature profile in a rod	Metal rod	1 set	1 set	Yes
10	Study of evaporators	Study experiment			Yes
11	Drop wise and film wise condensation	Drop wise and film wise condensation apparatus	1 set	1 set	Yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - CHEMICAL REACTION ENGINEERING [T.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr.No.	Title of the Experiment	Name of eqpt M/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt, Can be conducted.
1	To determine the reaction rate constant {k} for given reaction.	Batch Reactor/CSTR.	1	1	Yes
2	To determine the effect of temperature on reaction rate constant.	Batch Reactor/CSTR.	1	1	Yes
3	To determine the activation energy {e} for the given reaction.	Batch Reactor/CSTR.	1	1	Yes
4	To draw C [t], E [t] & f [t] curve & to calculate the mean residence time {tm} variance {r^2} & skew ness {s^3} for plug flow reactor.	Plug flow Reactor [Straight tube.]	1	1	Yes
5	To draw C [t], E [t] & f [t] curve & to calculate the mean residence time {tm} variance {r^2} & skew ness {s^3} for packed Bed reactor.	Packed Bed Reactor.	1	1	Yes
6	To study the cascaded CSTR	Cascaded CSTR	1	1	Yes
7	To study the reaction of solid liquid system for an instantaneous reaction for benzoic acid NaOH & calculate the enhancement factor.	Solid liquid reactor.	1	1	Yes
8	To study the isothermal decomposition of ethyl alcohol in tubular reactor packed with activated alumina catalyst.	Catalytic packed bed reactor.	1	1	Yes
9	Adsorption- to study the adsorption of Acetic acid on charcoal	Adsorption column.	1	1	Yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - MASS TRANSFER - I [T.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr. no.	Expt. Title	Name of eqpt, M/c, inst, etc. Required to conduct the expt.	Quantity		Whether Expt, Can be conducted.
			Requ.	Avail.	
1	Diffusion in still air.	Compressor, linear scale, glass tube with fluid, stand.	3 sets	3 sets	Yes
2	Liquid - Liquid diffusion.	Standard porous pot with covering glass vessels, weighing balance, vernier caliper, measuring. scale, chemicals.	3 unit	9 unit	Yes
3	Solid liquid diffusion.	Glasswares, stirrer with speed control, stand, vernier caliper.	1 unit	1 unit	Yes
4	Wetted wall column: To calculate mass transfer coefficient for air water system.	Wetted wall column with rotometer, temperature measuring. System, Compressor.	1 unit	1 unit	Yes
5	Cooling tower: Air water system.	Cooling tower with air blower, centrifugal pump, water storage tank, Rota meter, heater, temp. sensors, tower with packing material, 3 starter, physical chart.	1 unit	1 unit	Yes
6	Absorption in packed column.	Absorber with packed column with CO_2 & air supply with flow rate measuring system, supply tank & 3-phase compressor & composition measuring System, weighting system.	1 unit	1 unit	Yes
7	Natural {pan} dryer.	Pan dryer, wt. Box, etc.	1 unit	1 unit	Yes
8	Fluidized bed dryer.	Fluidized bed dryer with heat controller.	1 unit	1 unit	Yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - MOLECULAR BIOLOGY & GENETIC ENGINERRING [T.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr.No.	Title of the Experiment	Name of eqpt M/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt, Can be conducted.
1	Isolation of genomic DNA from bacteria.	Submarine electrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator Deep Freezer	01 01 01 04 01 01	04 03 01 13 01 01	Yes
2	Isolation of RNA from yeast	Submarine electrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator Deep Freezer	01 01 01 04 01 01	04 03 01 13 01 01	Yes
3	Isolation of total plasmid DNA from bacteria	Submarine electrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator Deep Freezer	01 01 01 04 01 01	04 03 01 13 01 01	Yes
4	Restriction digestion of genomic DNA of bacteria	Submarine electrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator Deep Freezer	01 01 01 04 01 01	04 03 01 13 01 01	Yes
5	Ligation of bacterial DNA	Submarine electrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator Deep Freezer	01 01 01 04 01 01	04 03 01 13 01 01	Yes
6	Calculation of molecular weight by using DNA marker with agrose gel electrophoresis.	Submarine electrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator Deep Freezer	01 01 01 04 01 01	04 03 01 13 01 01	Yes
7	DNA extraction from Blood.	Submarine electrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator Deep Freezer	01 01 01 04 01 01	04 03 01 13 01 01	Yes

8	Plasmid preparation.	Submarine electrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator Deep Freezer	01 01 01 04 01 01	04 03 01 13 01 01	Yes
9	DNA fingerprinting (by RFLP)	Submarine electrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator Deep Freezer	01 01 01 04 01 01	04 03 01 13 01 01	Yes
10	To study Bacterial transduction	Submarine electrophoresis kit Power supply Microcentrifuge Micropipettes Refrigerator Deep Freezer	01 01 01 04 01 01	04 03 01 13 01 01	Yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - INSTRUMENTATION & PROCESS CONTROL [T.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr.No.	Title of the Experiment	Name of eqpt M/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt, Can be conducted.
1	To study the response of bimetallic thermometer.	Bimetallic thermometer, mercury thermometer, beaker.	1	1	Yes
2	Calibration of thermocouple.	Thermocouple, mercury thermometer, beaker.	1	1	Yes
3	To measure the pH of given solution.	pH meter	1	2	Yes
4	To measure the conductance of given solution.	Conductivity meter	1	2	Yes
5	To study dynamic response of first order system {mercury thermometer.}	Thermometer, heater, stopwatch.	1	1	Yes
6	To study dynamic behaviour of single tank system.	Single tank, pump, level indicator.	1	1	Yes
7	Dynamic behaviour of two tank non-interacting system.	Non-interacting system, stopwatch, pump.	1	1	Yes
8	Dynamic behaviour of two tank interacting system.	Interacting system, stopwatch, pump.	1	1	Yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - MASS TRANSFER-II [T.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr. no.	Expt. Title	Name of eqpt, M/c, inst, etc. Required to conduct the expt.	Quantity		Whether Expt, Can be conducted.
			Requ.	Avail.	
1	To prepare ternary diagram for acetic acid benzene, water system.	Extraction app., burette, pipette, conical flask	3	3	Yes
2	To plot the tie line for the system used in expt.	Extraction assembly, separating funnel, burette, pipette, conical flask.	3	3	Yes
3	To determine the % efficiency of two stage cross current extraction process.	Extraction assembly, separating funnel, burette, pipette, conical flask.	3	3	Yes
4	To determine % recovery of NaOH in leaching apparatus	Leaching process app., beaker, burette, and pipette.	3	3	Yes
5	To determine the % yield of crystals with & without seeding operation.	Crystallization app.	1	1	Yes
6	To verify the Rayleigh's equation for simple batch distillation.	Batch distillation.	2	2	Yes
7	To study adsorption of acetic acid in charcoal.	Conical flask, burette, pipette Adsorption column.	6	6	Yes
8	To study mass transfer equipment.		1	1	Yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - BIOTECHNOLOGY OF WASTE TREATMENT [T.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr.No.	Title of the Experiment	Name of eqpt M/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt, Can be conducted.
1	To determine alkalinity and pH of given sample.	pH meter	1	1	Yes
2	To determine total solids and suspended solids of given sample	Oven	1	1	Yes
3	To determine dissolved oxygen of given sample	Balance	1	1	Yes
4	To determine initial oxygen demand.	Balance	1	1	Yes
5	To determine B.O.D. of the given sample	BOD incubator	1	1	Yes
6	To determine C.O.D. of the given sample.	Reflux system	1	1	Yes
7	To determine sludge volume index of the sample.	Imhoff cone	1	1	Yes
8	To determine M.P.N test of the given water sample	Incubator and Autoclave	1	1	Yes
9	To study Microorganisms of the given water sample.	Microscope	1	1	Yes
10	Estimation of inorganic ion in water.	Spectrophotometer Balance	1 1	1 1	Yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - BIOPROCESS MODELING & SIMULATION [B.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr.No.	Title of the Experiment	Name of eqpt M/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt, Can be conducted.
1	CAD of shell and tube exchanger.	Pentium-iv,digital Computer, Aspen Hysys Software	10	10	yes
2	CAD of adsorption column	Pentium-iv,digital Computer, Aspen Hysys Software	10	10	yes
3	CAD of single effect evaporator.	Pentium-iv,digital Computer, Aspen Hysys Software	10	10	yes
4	Computer controlled heat exchanger.	Pentium-iv,digital Computer, Aspen Hysys Software	10	10	yes
5	CAD for rotary dryer.	Pentium-iv,digital Computer, Aspen Hysys Software	10	10	yes
6	Simulation of temperature on surface catalyst	Pentium-iv,digital Computer, Aspen Hysys Software	10	10	yes
7	Simulation of reactor design.	Pentium-iv,digital Computer, Aspen Hysys Software	10	10	yes
8	Simulation of ammonia production system	Pentium-iv,digital Computer, Aspen Hysys Software	10	10	yes
9	Modeling and simulation of protein.	Pentium-iv,digital Computer.	10	10	yes
10	Drug designing	Pentium-iv,digital Computer.	10	10	yes

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - FERMENTATION BIOTECHNOLOGY-II [B.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory.

Sr. No.	Title of the Experiment	Name of eqpt M/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt, Can be conducted.
1	Study of growth curve of microorganisms.	Fermenter, Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
2	Production of ethyl alcohol using yeast.	Fermenter, Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
3	Citric acid production using Aspergillus niger	Fermenter, Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
4	Penicillin production using Penicillium chrysogenum	Fermenter, Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
5	Production of enzyme by solid state fermentation	Fermenter, Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
6	Isolation of bacterial pigments.	Fermenter, Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
7	Production of enzyme by submerged fermenter	Fermenter, Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
8	Production of bakers yeast (biomass production).	Fermenter, Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES

9	Vinegar production by fermentation	Fermenter, Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
10	Analysis of molasses.	Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
11	Analysis of finished product (rectified spirit, beer, etc.).	Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - BIOPROCESS ENGINEERING -II [B.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory

Sr.No.	Title of the Experiment	Name of eqpt M/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt, Can be conducted.
1	Growth kinetics of microorganisms using shake flask method.	Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
2	Determination of specific thermal death rate constant (Ka).	Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
3	Determination of Volumetric oxygen transfer coefficient (K_La), effect of aeration and agitation speed.	Fermenter, Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
4	Preparation of Immobilized enzymes and cells and evaluation of kinetic parameters.	Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 40	01 each 09 each 40	YES
5	Kinetics study of Product formation.	Fermenter, Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES

6	Effect of substrate and product concentration on biomass yield for bakers yeast production	Fermenter, Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
7	Studies on settling characteristics of various microbial cultures	Fermenter, Rotary flask shaker, Incubator, Balance, pH meter, Autoclave Conical Flask, Beakers, Test tubes	01 each 09 each 20	01 each 09 each 20	YES
8	Explant preparation and their inoculation on suitable plant growth media	Laminar Air Flow, Autoclave, Conical Flask, Beakers, Test tubes	01 each 10 each 40	01 each 10 each 40	YES
9	Callus induction technique and regeneration of plant from callus culture	Laminar Air Flow, Autoclave, Conical Flask, Beakers, Test tubes	01 each 10 each 40	01 each 10 each 40	YES
10	Artificial seed production.	Laminar Air Flow, Autoclave, Conical Flask, Beakers, Test tubes	01 each 10 each 10	01 each 10 each 10	YES
11	Shake flask studies of plant cell culture	Laminar Air Flow, Autoclave, Conical Flask, Beakers, Test tubes	01 each 10 each 20	01 each 10 each 20	YES

NAME OF COURSE: - BIOTECHNOLOGY ENGINEERING.
NAME OF THE DEPT: - BIOTECHNOLOGY.
NAME OF SUBJECT: - BIOINFORMATICS [B.E.]
Subject wise and laboratory wise list of material, machinery, equipments and instruments required to perform prescribed practical and term work.
Facilities for conducting practical in the laboratory

Sr.No.	Title of the Experiment	Name of eqpt M/c, inst, etc.Required to conduct the expt.	Requ.	Avail.	Whether Expt, Can be conducted.
1	Databases search: protein and nucleic acid database.	Pentium-iv,digital Computer, Bioinformatics software, Internet	10	10	yes
2	Restriction mapping	Pentium-iv,digital Computer, Bioinformatics software, Internet	10	10	yes
3	Sequence (FASTA and BLAST) searches	Pentium-iv,digital Computer, Bioinformatics software, Internet	10	10	yes
4	Pair wise comparison of sequences	Pentium-iv,digital Computer, Bioinformatics software, Internet	10	10	yes

5	Multiple alignments of sequences	Pentium-iv,digital Computer, Bioinformatics software, Internet	10	10	yes
6	Phylogenetic analysis	Pentium-iv,digital Computer, Bioinformatics software, Internet	10	10	yes
7	Gene structure prediction	Pentium-iv,digital Computer, Bioinformatics software, Internet	10	10	yes
8	Protein database retrieval and visualization.	Pentium-iv,digital Computer, Bioinformatics software, Internet	10	10	yes
9	RNA structure prediction.	Pentium-iv,digital Computer, Bioinformatics software, Internet	10	10	yes
10	Protein structure prediction	Pentium-iv,digital Computer, Bioinformatics software, Internet	10	10	yes

B) List of Practicals which cannot be performed or conducted in the existing facilities actually available in the college.

Sr.No.	Name of the Department	Class	Title of Experiment	Name of Institute where the experiments are processed to conducted	When the deficiency in equipment will be fulfilled
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Lab wise Experimental Setup of Computer Engineering Department

Name of Lab: - Lab no. 1/ Data Structure Lab
Term-I

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for Matrix operation(addition, multiplication, inverse)	PC , TC Compiler
2	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for swapping of number using single pointer	PC , TC Compiler
3	S.E. Comp. (Term – I)	Programming Laboratory-I	Processing student record using structure	PC , TC Compiler
4	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for string operation	PC , TC Compiler
5	S.E. Comp. (Term – I)	Programming Laboratory-I	File manipulation opening, closing input and output operation on file	PC , TC Compiler
6	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for macro Find greatest & smallest no	PC , TC Compiler
7	S.E. Comp. (Term – I)	Programming Laboratory-I	Inter conversion of number system	PC , TC Compiler
8	S.E. Comp. (Term – I)	Programming Laboratory-I	Write a C Program to find square & cube using macro with argument	PC , TC Compiler
9	S.E. Comp. (Term – I)	Programming Laboratory-I	To find root of equation by Newton Rapson	PC , TC Compiler
10	S.E. Comp. (Term – I)	Programming Laboratory-I	To find root of equation of Regula Falsi	PC , TC Compiler
11	S.E. Comp. (Term – I)	Programming Laboratory	Find Integral values using Simpson's 1/3 ,3/8 rule	PC , TC Compiler
12	S.E. Comp. (Term – I)	Programming Laboratory-I	Sorting using Bubble sort	PC , TC Compiler
13	S.E. Comp. (Term – I)	Programming Laboratory-I	Sorting using Quick sort	PC , TC Compiler
14	S.E. Comp. (Term – I)	Programming Laboratory-I	Searching of given element by Linear search	PC , TC Compiler
15	S.E. Comp. (Term – I)	Programming Laboratory-I	Searching of given element by Binary search	PC , TC Compiler
16	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for macro with argument	PC , TC Compiler
17	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for to implement lagranges Method	PC , TC Compiler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
18	T.E. Comp (Term – I)	Comp. Graphics	Study Of Comp. Graphics Function	Study Experiment
19	T.E. Comp (Term – I)	Comp. Graphics	Line drawing using DDA algorithms	PC, TC Compiler
20	T.E. Comp (Term – I)	Comp. Graphics	Different Line style using Bresenham's algorithms	PC, TC Compiler
21	T.E. Comp (Term – I)	Comp. Graphics	Circle generation using Bresenham's algorihms	PC, TC Compiler
22	T.E. Comp (Term – I)	Comp. Graphics	2D transformations (Translation, Rotation & scaling)	PC, TC Compiler
23	T.E. Comp (Term – I)	Comp. Graphics	Polygon filling	PC, TC Compiler
24	T.E. Comp (Term – I)	Comp. Graphics	Segmentation	PC, TC Compiler
25	T.E. Comp (Term – I)	Comp. Graphics	Line clipping algorithm	PC, TC Compiler
26	T.E. Comp (Term – I)	Comp. Graphics	3D rotation	PC, TC Compiler
27	T.E. Comp (Term – I)	Comp. Graphics	Parallel perspective Projections	PC, TC Compiler
28	T.E. Comp (Term – I)	Comp. Graphics	perspective Projections	PC, TC Compiler
29	T.E. Comp (Term – I)	Comp. Graphics	Animation	PC, TC Compiler

Sr. No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
30	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of stack using array	PC, TC Compiler
31	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of Queue using array	PC, TC Compiler
32	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of circular Queue using array	PC, TC Compiler
33	S.E. Comp. (Term – II)	Data Structure & Files.	Conversion of Infix expression to postfix expression	PC, TC Compiler
34	S.E. Comp. (Term – II)	Data Structure & Files.	Conversion of postfix expression to infix expression	PC, TC Compiler
35	S.E. Comp. (Term – II)	Data Structure & Files.	Addition of two single variable polynomial using linked list	PC, TC Compiler
36	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of double linked list and perform insertion, deletion and searching	PC, TC Compiler
37	S.E. Comp. (Term – II)	Data Structure & Files.	Creation of binary tree and perform all non-recursive traversals	PC, TC Compiler
38	S.E. Comp. (Term – II)	Data Structure & Files.	Creation of binary search tree and perform insertion, deletion printing and in a tree shape	PC, TC Compiler
39	S.E. Comp. (Term – II)	Data Structure & Files.	implementation of pattern matching in starting using linked listed.	PC, TC Compiler
40	S.E. Comp. (Term – II)	Data Structure & Files.	Create a hash table and handle the collisions using liner probing with or without replacement.	PC, TC Compiler
41	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of sequential file	PC, TC Compiler
42	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of stack using Linked List	PC, TC Compiler
43	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of queue using Linked List	PC, TC Compiler

Name of Lab: - Lab No. 2/Computer Network Lab
Term-I

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1	S.E. Comp. (Term – I)	Programming Labarotary-1	Program for Matrix operation (addition, multiplication, inverse)	PC , TC Compiler
2	S.E. Comp. (Term – I)	Programming Labarotary-1	Program for swapping of number using single pointer	PC , TC Compiler
3	S.E. Comp. (Term – I)	Programming Labarotary-1	Processing student record using structure	PC , TC Compiler
4	S.E. Comp. (Term – I)	Programming Labarotary-1	Program for string operation	PC , TC Compiler
5	S.E. Comp. (Term – I)	Programming Labarotary-1	File manipulation opening, closing input and output operation on file	PC , TC Compiler
6	S.E. Comp. (Term – I)	Programming Labarotary-1	Program for macro	PC , TC Compiler
7	S.E. Comp. (Term – I)	Programming Labarotary-1	Interco version of number system	PC , TC Compiler
8	S.E. Comp. (Term – I)	Programming Labarotary-1	To find the values of unknown by Gauss elimination	PC , TC Compiler
9	S.E. Comp. (Term – I)	Programming Labarotary-1	To find root of equation by Newton Rapson	PC , TC Compiler
10	S.E. Comp. (Term – I)	Programming Labarotary-1	To find root of equation of Regular Falsie	PC , TC Compiler
11	S.E. Comp. (Term – I)	Programming Labarotary-1	Find Integral values using Simpson's 1/3 ,3/8 rule	PC , TC Compiler
12	S.E. Comp. (Term – I)	Programming Labarotary-1	Sorting using Bubble sort	PC , TC Compiler
13	S.E. Comp. (Term – I)	Programming Labarotary-1	Sorting using Quick sort	PC , TC Compiler
14	S.E. Comp. (Term – I)	Programming Labarotary-1	Searching of given element by Linear search	PC , TC Compiler
15	S.E. Comp. (Term – I)	Programming Labarotary-1	Searching of given element by Binary search	PC , TC Compiler
16	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for macro with argument	PC , TC Compiler
17	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for linear search using macro	PC , TC Compiler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
18	T.E. Comp. (Term – I)	System Programming	Develop an application to simulate Assembler for 8086	PC, TC Compiler
19	T.E. Comp. (Term – I)	System Programming	Develop an application to create a simple text editor	PC, TC Compiler
20	T.E. Comp. (Term – I)	System Programming	Develop an application for simulating Lexical phase of Compiler	PC, TC Compiler
21	T.E. Comp. (Term – I)	System Programming	Develop an application for simulating Syntax Analysis phase of Compiler	PC, TC Compiler
22	T.E. Comp. (Term – I)	Comp. Networks	Study of Network resources and various components	--
23	T.E. Comp. (Term – I)	Comp. Networks	TCP / IP socket programming	PC with LAN Card, UTP CAT-5 Cable, TC/ JDK1.2/ J Creator
24	T.E. Comp. (Term – I)	Comp. Networks	Implementation of DDL protocols	PC with LAN Card, UTP CAT-5 Cable, TC/ JDK1.2/ J Creator
25	T.E. Comp. (Term – I)	Comp. Networks	Implementation of Network routing Algorithm	PC with LAN Card, UTP CAT-5 Cable, TC/ JDK1.2/ J Creator
26	T.E. Comp. (Term – I)	Comp. Networks	Implementation of Data compression and decompression Algorithm	PC with LAN Card, UTP CAT-5 Cable, TC/ JDK1.2/ J Creator
27	T.E. Comp. (Term – I)	Comp. Networks	Implementation of Network Security Algorithm	PC with LAN Card, UTP CAT-5 Cable, TC/ JDK1.2/ J Creator
28	T.E. Comp. (Term – I)	Comp. Networks	Study of Proxy Server	--
29	T.E. Comp. (Term – I)	Comp. Networks	Study of Cisco Router Series	--

Name of Lab: - Lab No. 2/Computer Network Lab
Term-II

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1	SE Comp. (Term – II)	Programming Laboratory-II	A simple C++ program using control structure	PC , TC++ Compiler
2	SE Comp. (Term – II)	Programming Laboratory-II	Program in C++ to create array of Object	PC , TC++ Compiler
3	SE Comp. (Term – II)	Programming Laboratory-II	Program that illustrate various types of Constructors.	PC , TC++ Compiler
4	SE Comp. (Term – II)	Programming Laboratory-II	Program for string operation	PC , TC++ Compiler
5	SE Comp. (Term – II)	Programming Laboratory-II	Program for Unary operator overloading.	PC , TC++ Compiler
6	SE Comp. (Term – II)	Programming Laboratory-II	Program for Binary operator overloading.	PC , TC++ Compiler
7	SE Comp. (Term – II)	Programming Laboratory-II	Program for Function Overloading.	PC , TC++ Compiler
8	SE Comp. (Term – II)	Programming Laboratory-II	Program in C++ using multilevel inheritance	PC , TC++ Compiler
9	SE Comp. (Term – II)	Programming Laboratory-II	Program for run-time polymorphism using Virtual Function	PC , TC++ Compiler
10	SE Comp. (Term – II)	Programming Laboratory-II	Program to format output using Manipulator.	PC , TC++ Compiler
11	SE Comp. (Term – II)	Programming Laboratory-II	Program in C++ for File handling	PC , TC++ Compiler
12	SE Comp. (Term – II)	Programming Laboratory-II	Program using template.	PC , TC++ Compiler
13	B.E. Comp. (Term – II)	SMQA	Measurement of line of code of C.	PC, C, C++, VB, java
14	B.E. Comp. (Term – II)	SMQA	Study of ISO 9000 and CMM standard	Internet
15	B.E. Comp. (Term – II)	SMQA	Study of documentation process	C, C++
16	B.E. Comp. (Term – II)	SMQA	Study of clean room approach	C, C++
17	B.E. Comp. (Term – II)	SMQA	Study of re-engineering.	C
18	B.E. Comp. (Term – II)	SMQA	Study of testing tools	Win Runner

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
19	T.E. Computer (Term – II)	ADA	Program for implantation of algorithm insertion and merge sort	Windows XP & TC++
20	T.E. Computer (Term – II)	ADA	Program for graph coloring using Backtracking method	Windows XP & TC++
21	T.E. Computer (Term – II)	ADA	Program for Eight Queens problem using backtracking	Windows XP & TC++
22	T.E. Computer (Term – II)	ADA	Program for binary search tree & perform insertion deletion ,searching ,display of tree	Windows XP & TC++
23	T.E. Computer (Term – II)	ADA	Program for strassens's matrix multiplication	Windows XP & TC++
24	T.E. Computer (Term – II)	ADA	Program for optimal binary search tree using dynamic programming	Windows XP & TC++
25	T.E. Computer (Term – II)	ADA	Program for implement knapsack problem using greedy algorithm	Windows XP & TC++
26	T.E. Computer (Term – II)	ADA	Study of traveling salesman problem , NP hard & NP complete problem	Windows XP & TC++

Name of Lab: - Lab no.3/ Digital and Microprocessor Lab
Term-I

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1	S.E. Comp. (Term – I)	Digital System & Microprocessor	Verify the truth table of logic gates and verification of DeMorgance theorem.	Bread Board, IC7400, 7402, 7404,7408,7432, LED's, Power Supply, Connecting Wires.
2	S.E. Comp. (Term – I)	Digital System & Microprocessor	Construction on of basic gates using universal gate (NAND/NOR)	Bread Board, IC7400, 7402, LED's, Power Supply, Connecting Wires.
3	S.E. Comp. (Term – I)	Digital System & Microprocessor	Construction of Half adder & full adder Circuit.	Bread Board, IC7486, 7408, LED's, Power Supply, Connecting Wires.
4	S.E. Comp. (Term – I)	Digital System & Microprocessor	Construction of Half subtractor & full subtractor Circuit.	Bread Board, IC7486, 7404,7408, LED's, Power Supply, Connecting Wires.
5	S.E. Comp. (Term – I)	Digital System & Microprocessor	Gray to Binary and Binary to gray code converter.	Bread Board, IC7486,7404, LED's, Power Supply, Connecting Wires.
6	S.E. Comp. (Term – I)	Digital System & Microprocessor	Verification for the truth table of 8:1 multiplexer	Bread Board, IC74151LED's, Power Supply, Connecting Wires
7	S.E. Comp. (Term – I)	Digital System & Microprocessor	Addition and subtraction of 8 and 16 bit numbers.	ANSUMAN 8085 KIT, Power Supply
8	S.E. Comp. (Term – I)	Digital System & Microprocessor	Determining maximum and minimum elements in array	ANSUMAN 8085 KIT, Power Supply
9	S.E. Comp. (Term – I)	Digital System & Microprocessor	Look up table for finding the square from 0 to 9	ANSUMAN 8085 KIT, Power Supply
10	S.E. Comp. (Term – I)	Digital System & Microprocessor	Arranging the numbers in ascending and descending order	ANSUMAN 8085 KIT, Power Supply
11	S.E. Comp. (Term – I)	Digital System & Microprocessor	Program for shifting and masking operation of 8 bit no.	ANSUMAN 8085 KIT, Power Supply

Sr.No.	Year and Branch	Subject	Experimental Title	Name of Equipment, Software available to Conduct the Experiment
12	B.E. Computer Term-I	Embedded Systems	Study of Embedded systems & its applications overview, JTAG debugger.	Study Experiment
13	B.E. Computer Term-I	Embedded Systems	Case Study: Study of NASA's mission on mar's	Study Experiment
14	B.E. Computer Term-I	Embedded Systems	Writing basic C-programs for I/O operations	ARM 7 Board , PC Triton IDE, Power Supply
15	B.E. Computer Term-I	Embedded Systems	C-programs for interrupts	ARM 7 Board , PC Triton IDE, Power Supply
16	B.E. Computer Term-I	Embedded Systems	Program to demonstrate I2C Protocol.	ARM 7 Board , PC Triton IDE, Power Supply
17	B.E. Computer Term-I	Embedded Systems	Program to interface Keyboard and display key pressed on LCD	ARM 7 Board , PC Triton IDE, Power Supply
18	B.E. Computer Term-I	Embedded Systems	Program to demonstrate RF communication.	ARM 7 Board , PC Triton IDE, Power Supply
19	B.E. Computer Term-I	Embedded Systems	Interfacing 4 x 4 matrix keyboards and 16 x 2 character LCD display to microcontroller /Microprocessor and writing a program using RTOS for displaying a pressed key.	ARM 7 Board , PC Triton IDE, Power Supply
20	B.E. Computer Term-I	Embedded Systems	Create two tasks, which will print some characters on the serial port, Start the scheduler and Observe the behavior.	ARM 9 Board , PC Triton IDE, Power Supply
21	B.E. Computer Term-I	Embedded Systems	Program for exploration of (Process creation, Thread creation) using Embedded Real Time Linux.	ARM 9 Board , PC Triton IDE, Power Supply

Name of Lab: - Lab no.4/ Programming Lab-I
Term-I

Sr.No.	Year and Branch	Subject	Experimental Title	Name of Equipment, Software available to Conduct the Experiment
1.	B.E. Computer Term-I	Embedded Systems	Study of Embedded systems & its applications overview, JTAG debugger.	Study Experiment
2.	B.E. Computer Term-I	Embedded Systems	Case Study: Study of NASA's mission on mar's	Study Experiment
3.	B.E. Computer Term-I	Embedded Systems	Writing basic C-programs for I/O operations	ARM 7 Board , PC Triton IDE, Power Supply
4.	B.E. Computer Term-I	Embedded Systems	C-programs for interrupts	ARM 7 Board , PC Triton IDE, Power Supply
5.	B.E. Computer Term-I	Embedded Systems	Program to demonstrate I2C Protocol.	ARM 7 Board , PC Triton IDE, Power Supply
6.	B.E. Computer Term-I	Embedded Systems	Program to interface Keyboard and display key pressed on LCD	ARM 7 Board , PC Triton IDE, Power Supply
7.	B.E. Computer Term-I	Embedded Systems	Program to demonstrate RF communication.	ARM 7 Board , PC Triton IDE, Power Supply
8.	B.E. Computer Term-I	Embedded Systems	Interfacing 4 x 4 matrix keyboards and 16 x 2 character LCD display to microcontroller /Microprocessor and writing a program using RTOS for displaying a pressed key.	ARM 7 Board , PC Triton IDE, Power Supply
9.	B.E. Computer Term-I	Embedded Systems	Create two tasks, which will print some characters on the serial port, Start the scheduler and observe the behavior.	ARM 9 Board , PC Triton IDE, Power Supply
10.	B.E. Computer Term-I	Embedded Systems	Program for exploration of (Process creation, Thread creation) using Embedded Real Time Linux.	ARM 9 Board , PC Triton IDE, Power Supply

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
11.	T.E. Comp. (Term – I)	Comp. Networks	Study of Network resources and various components	--
12.	T.E. Comp. (Term – I)	Comp. Networks	TCP / IP socket programming	PC with LAN Card, UTP CAT-5 Cable, TC/ JDK1.2/ J Creator
13.	T.E. Comp. (Term – I)	Comp. Networks	Implementation of DDL protocols	PC with LAN Card, UTP CAT-5 Cable, TC/ JDK1.2/ J Creator
14.	T.E. Comp. (Term – I)	Comp. Networks	Implementation of Network routing Algorithm	PC with LAN Card, UTP CAT-5 Cable, TC/ JDK1.2/ J Creator
15.	T.E. Comp. (Term – I)	Comp. Networks	Implementation of Data compression and decompression Algorithm	PC with LAN Card, UTP CAT-5 Cable, TC/ JDK1.2/ J Creator
16.	T.E. Comp. (Term – I)	Comp. Networks	Implementation of Network Security Algorithm	PC with LAN Card, UTP CAT-5 Cable, TC/ JDK1.2/ J Creator
17.	T.E. Comp. (Term – I)	Comp. Networks	Study of Proxy Server	--
18.	T.E. Comp. (Term – I)	Comp. Networks	Study of Cisco Router Series	--
19.	T.E. Comp (Term – I)	Microprocessor II	Study Of BIOS And DOS Interrupts	Study Experiment
20.	T.E. Comp (Term – I)	Microprocessor II	Study Of MASM Directives	Study Experiment
21.	T.E. Comp (Term – I)	Microprocessor II	Design of graphics editor	PC, 8086 Assembler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
22.	T.E. Comp (Term – I)	Microprocessor II	Mouse Interfacing	PC, 8086 Assembler
23.	T.E. Comp (Term – I)	Microprocessor II	Program for TSR routine	PC, 8086 Assembler,
24.	T.E. Comp (Term – I)	Microprocessor II	PC to PC Communication using serial port in 8086	PC, 8086 Assembler
25.	T.E. Comp (Term – I)	Microprocessor II	Program for Centronics Printer interface	PC, 8086 Assembler
26.	T.E. Comp (Term – I)	Microprocessor II	Program for read/write sector of a floppy	PC 8086 Assembler
27.	T.E. Comp (Term – I)	Microprocessor II	Write a device driver program	PC, 8086 Assembler
28.	T.E. Comp (Term – I)	Microprocessor II	Study of Analog to Digital	-
29.	T.E. Comp (Term – I)	Microprocessor II	Study of Digital to Analog	-
30.	T.E. Comp (Term – I)	Microprocessor II	Program for stepper motor interfacing	PC, 8086 Assembler

Name of Lab: - Lab No. 4/ Programming Lab-I
Term-II

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1	B.E. Comp. (Term – II)	Compiler Construction	Study of LEX and YACC.	PC,LINUX Operating System
2	B.E. Comp. (Term – II)	Compiler Construction	LEX Program for Number Identification in LINUX	PC,LINUX Operating System

3	B.E. Comp. (Term – II)	Compiler Construction	LEX Program for Token Recognition in LINUX	PC,LINUX Operating System
4	B.E. Comp. (Term – II)	Compiler Construction	Calculator (text /Graphics) using LEX/YACC.	PC,LINUX Operating System
5	B.E. Comp. (Term – II)	Compiler Construction	Lexical Analyzer for a subset of a C Using LEX.	PC,LINUX Operating System
6	B.E. Comp. (Term – II)	Compiler Construction	Design of Predictive Parser.	PC,LINUX Operating System
7	B.E. Comp. (Term – II)	Compiler Construction	Implementation of Code Generator.	PC,LINUX Operating System
8	B.E. Comp. (Term – II)	Compiler Construction	Implementation of Code Optimization for a)Common Sub expression elimination b)Loop invariant code movement	PC,LINUX Operating System

Name of Lab: - Lab No. 5/ Software Engineering Lab
Term-I

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1.	B.E. Comp. (Term – I)	Object Oriented Modeling , Design ,	Study On Rational Rose	Study Experiment
2.	B.E. Comp. (Term – I)	Object Oriented Modeling , Design ,	Study of UML and UML 2.0	Study Experiment
3.	B.E. Comp. (Term – I)	Object Oriented Modeling , Design	Design of any Real Time system using Dynamic Diagram.(Course Registration System)	PC, Rational Rose Software
4.	B.E. Comp. (Term – I)	Object Oriented Modeling Design	Design of any Real Time system using Dynamic Diagram.(Library Mgt.System)	PC, Rational Rose Software
5.	B.E. Comp. (Term – I)	Object Oriented Modeling , Design	Design of any Real Time system using Dynamic Diagram.(ATM System)	PC, Rational Rose Software

6.	B.E. Comp. (Term – I)	Object Oriented Modeling , Design	Design of any Real Time system using Dynamic Diagram.(For any Company System)	PC, Rational Rose Software
7.	B.E. Comp. (Term – I)	Object Oriented Modeling, Design	Design of Static UML and Class Diagram using OCL for some loyalty program for a company	PC, Rational Rose Software
8.	T.E. Comp (Term – I)	Systems Programming	Develop an application to simulate Assembler for 8086	PC, TC Compiler
9.	T.E. Comp (Term – I)	Systems Programming	Design a simple loader	PC, TC Compiler
10.	T.E. Comp (Term – I)	Systems Programming	Develop an application to create a simple text editor	PC, TC Compiler
11.	T.E. Comp (Term – I)	Systems Programming	Develop an application for simulating Lexical phase of Compiler	PC, TC Compiler
12.	T.E. Comp (Term – I)	Systems Programming	Develop an application for simulating Syntax Analysis phase of Compiler	PC, TC Compiler
13.	T.E. Comp (Term – I)	Systems Programming	Develop an application for pass-I assembler	PC, TC Compiler
14.	T.E. Comp (Term – I)	Systems Programming	Develop an application for pass-II assembler	PC, TC Compiler
15.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for Matrix operation(addition, multiplication, inverse)	PC , TC Compiler
16.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for swapping of number using single pointer	PC , TC Compiler
17.	S.E. Comp. (Term – I)	Programming Laboratory-I	Processing student record using structure	PC , TC Compiler
18.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for string operation	PC , TC Compiler
19.	S.E. Comp. (Term – I)	Programming Laboratory-I	File manipulation opening, closing input and output operation on file	PC , TC Compiler
20.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for macro	PC , TC Compiler
21.	S.E. Comp. (Term – I)	Programming Laboratory-I	Inter conversion of number system	PC , TC Compiler
22.	S.E. Comp. (Term – I)	Programming Laboratory-I	To find the values of unknown by Gauss elimination	PC , TC Compiler
23.	S.E. Comp. (Term – I)	Programming Laboratory-I	To find root of equation by Newton Rapson	PC , TC Compiler
24.	S.E. Comp. (Term – I)	Programming Laboratory-I	To find root of equation of Regula Falsi	PC , TC Compiler

25.	S.E. Comp. (Term – I)	Programming Laboratory	Find Integral values using Simpson's 1/3 ,3/8 rule	PC , TC Compiler
26.	S.E. Comp. (Term – I)	Programming Laboratory-I	Sorting using Bubble sort	PC , TC Compiler
27.	S.E. Comp. (Term – I)	Programming Laboratory-I	Sorting using Quick sort	PC , TC Compiler
28.	S.E. Comp. (Term – I)	Programming Laboratory-I	Searching of given element by Linear search	PC , TC Compiler
29.	S.E. Comp. (Term – I)	Programming Laboratory-I	Searching of given element by Binary search	PC , TC Compiler
30.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for macro with argument	PC , TC Compiler
31.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for linear search using macro	PC , TC Compiler

Name of Lab: - Lab No. 5/ Software Engineering Lab
Term-II

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1.	T.E. Computer (Term-II)	Software Engineering	Study of Rational Rose Software	Study Experiment
2.	T.E. Computer (Term-II)	Software Engineering	Study of Site Management System	PC, Rational Rose
3.	T.E. Computer (Term-II)	Software Engineering	Study of Web Page Authorization	PC, Rational Rose
4.	T.E. Computer (Term-II)	Software Engineering	Study of Railway Reservation System	PC, Rational Rose
5.	T.E. Computer (Term-II)	Software Engineering	Study of ATM System	PC, Rational Rose
6.	SE Comp. (Term – II)	Programming Laboratory-II	A simple C++ program using control structure	PC , TC++ Compiler
7.	SE Comp. (Term – II)	Programming Laboratory-II	Program in C++ to create array of Object	PC , TC++ Compiler
8.	SE Comp. (Term – II)	Programming Laboratory-II	Program that illustrate various types of Constructors.	PC , TC++ Compiler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
9.	SE Comp. (Term – II)	Programming Laboratory-II	Program for string operation	PC , TC++ Compiler
10.	SE Comp. (Term – II)	Programming Laboratory-II	Program for Unary operator overloading.	PC , TC++ Compiler
11.	SE Comp. (Term – II)	Programming Laboratory-II	Program for Binary operator overloading.	PC , TC++ Compiler
12.	SE Comp. (Term – II)	Programming Laboratory-II	Program for Function Overloading.	PC , TC++ Compiler
13.	SE Comp. (Term – II)	Programming Laboratory-II	Program in C++ using multilevel inheritance	PC , TC++ Compiler
14.	SE Comp. (Term – II)	Programming Laboratory-II	Program for run-time polymorphism using Virtual Function	PC , TC++ Compiler
15.	SE Comp. (Term – II)	Programming Laboratory-II	Program to format output using Manipulator.	PC , TC++ Compiler
16.	SE Comp. (Term – II)	Programming Laboratory-II	Program in C++ for File handling	PC , TC++ Compiler
17.	SE Comp. (Term – II)	Programming Laboratory-II	Program using template.	PC , TC++ Compiler
18.	SE Comp.– II)	Microprocessor - I	Study Of BIOS And DOS Interrupts	Study Experiment
19.	SE Comp.– II)	Microprocessor - I	Study Of MASM	Study Experiment
20.	SE Comp.– II)	Microprocessor - I	Program For String Manipulation	PC, 8086 Assembler
21.	SE Comp.– II)	Microprocessor - I	Program For Password	PC, 8086 Assembler
22.	SE Comp.- II)	Microprocessor - I	Program For HEX To BCD Conversion	PC, 8086 Assembler
23.	SE Comp. (Term – II)	Microprocessor - I	Program For BCD to HEX conversion	PC, 8086 Assembler
24.	SE Comp. (Term – II)	Microprocessor - I	Program for BCD addition	PC, 8086 Assembler
25.	SE Comp. (Term – II)	Microprocessor - I	Program For MACRO	PC, 8086 Assembler
26.	SE Comp. (Term – II)	Microprocessor - I	Program for NEAR Procedure	PC, 8086 Assembler
27.	SE Comp. (Term – II)	Microprocessor - I	Program For FAR Procedure	PC,8086 Assembler
28.	SE Comp. (Term – II)	Microprocessor - I	Program Using 8087 Instruction Set(Hypotenious)	PC,8086 Assembler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
29.	SE Comp. (Term – II)	Microprocessor - I	Program Using 8087 Instruction Set(Area Of Circle)	PC,8086 Assembler
30.	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of stack using array	PC, TC Compiler
31.	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of Queue using array	PC, TC Compiler
32.	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of circular Queue using array	PC, TC Compiler
33.	S.E. Comp. (Term – II)	Data Structure & Files.	Conversion of Infix expression to postfix expression	PC, TC Compiler
34.	S.E. Comp. (Term – II)	Data Structure & Files.	Conversion of postfix expression to infix expression	PC, TC Compiler
35.	S.E. Comp. (Term – II)	Data Structure & Files.	Addition of two single variable polynomial using linked list	PC, TC Compiler
36.	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of double linked list and perform insertion, deletion and searching	PC, TC Compiler
37.	S.E. Comp. (Term – II)	Data Structure & Files.	Creation of binary tree and perform all non-recursive traversals	PC, TC Compiler
38.	S.E. Comp. (Term – II)	Data Structure & Files.	Creation of binary search tree and perform insertion, deletion printing and in a tree shape	PC, TC Compiler
39.	S.E. Comp. (Term – II)	Data Structure & Files.	implementation of pattern matching in starting using linked listed.	PC, TC Compiler
40.	S.E. Comp. (Term – II)	Data Structure & Files.	Create a hash table and handle the collisions using liner probing with or without replacement.	PC, TC Compiler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
41.	S.E. Comp. (Term – II)	Data Structure & Files.	plementation of sequential file.•	PC, TC Compiler
42.	S.E. Comp. (Term – II)	Data Structure & Files.	lementation of stack using linked list	PC, TC Compiler
43.	S.E. Comp. (Term – II)	Data Structure & Files.	mplementation of queue using linked list.	PC, TC Compiler
44.	FE (Term – II)	Introduction To Computing	Study Of MotherBoard	Study Experiment
45.	FE (Term – II)	Introduction To Computing	Study Of I/O Devices	Study Experiment
46.	FE (Term – II)	Introduction To Computing	Study Of DOS And Windows Commands	PC , Ms-Dos
47.	FE (Term – II)	Introduction To Computing	Prepare a Document Using MS-Word	PC , Ms-Word
48.	FE (Term – II)	Introduction To Computing	Prepare a Slide Using Ms-PowerPoint	PC , Ms-PowerPoint
49.	FE (Term – II)	Introduction To Computing	Creation Of Email Account	PC , Internet
50.	FE (Term – II)	Introduction To Computing	Search Engine	PC , Internet
51.	FE (Term – II)	Introduction To Computing	Program in ‘C’ Language to Display the Personal Information	PC , TC Compiler
52.	FE (Term – II)	Introduction To Computing	Program For Performing Various Operations	PC , TC Compiler
53.	FE (Term – II)	Introduction To Computing	Program For Sorting Numbers	PC , TC Compiler
54.	FE (Term – II)	Introduction To Computing	Program For Searching Number Using Array	PC , TC Compiler
55.	FE (Term – II)	Introduction To Computing	Program For Finding Largest And Smallest Numbers	PC , TC Compiler

Name of Lab: - Lab no. 6/ Programming Lab-II
Term-I

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1.	T.E. Comp (Term – I)	Comp. Graphics	Study Of Comp. Graphics Function	Study Experiment
2.	T.E. Comp (Term – I)	Comp. Graphics	Line drawing using DDA algorithms	PC, TC Compiler
3.	T.E. Comp (Term – I)	Comp. Graphics	Different Line style using Bresenham's algorithms	PC, TC Compiler
4.	T.E. Comp (Term – I)	Comp. Graphics	Circle generation using Bresenham's algorihms	PC, TC Compiler
5.	T.E. Comp (Term – I)	Comp. Graphics	2D transformations (Translation, Rotation & scaling)	PC, TC Compiler
6.	T.E. Comp (Term – I)	Comp. Graphics	Polygon filling	PC, TC Compiler
7.	T.E. Comp (Term – I)	Comp. Graphics	Segmentation	PC, TC Compiler
8.	T.E. Comp (Term – I)	Comp. Graphics	Line clipping algorithm	PC, TC Compiler
9.	T.E. Comp (Term – I)	Comp. Graphics	3D rotation	PC, TC Compiler
10.	T.E. Comp (Term – I)	Comp. Graphics	Parallel perspective Projections	PC, TC Compiler
11.	T.E. Comp (Term – I)	Comp. Graphics	perspective Projections	PC, TC Compiler
12.	T.E. Comp (Term – I)	Comp. Graphics	Animation	PC, TC Compiler
13.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for Matrix operation(addition, multiplication, inverse)	PC , TC Compiler
14.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for swapping of number using single pointer	PC , TC Compiler
15.	S.E. Comp. (Term – I)	Programming Laboratory-I	Processing student record using structure	PC , TC Compiler
16.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for string operation	PC , TC Compiler
17.	S.E. Comp. (Term – I)	Programming Laboratory-I	File manipulation opening, closing input and output operation on file	PC , TC Compiler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
18.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for macro	PC , TC Compiler
19.	S.E. Comp. (Term – I)	Programming Laboratory-I	Inter conversion of number system	PC , TC Compiler
20.	S.E. Comp. (Term – I)	Programming Laboratory-I	To find the values of unknown by Gauss elimination	PC , TC Compiler
21.	S.E. Comp. (Term – I)	Programming Laboratory-I	To find root of equation by Newton Rapson	PC , TC Compiler
22.	S.E. Comp. (Term – I)	Programming Laboratory-I	To find root of equation of Regula Falsi	PC , TC Compiler
23.	S.E. Comp. (Term – I)	Programming Laboratory	Find Integral values using Simpson's 1/3 ,3/8 rule	PC , TC Compiler
24.	S.E. Comp. (Term – I)	Programming Laboratory-I	Sorting using Bubble sort	PC , TC Compiler
25.	S.E. Comp. (Term – I)	Programming Laboratory-I	Sorting using Quick sort	PC , TC Compiler
26.	S.E. Comp. (Term – I)	Programming Laboratory-I	Searching of given element by Linear search	PC , TC Compiler
27.	S.E. Comp. (Term – I)	Programming Laboratory-I	Searching of given element by Binary search	PC , TC Compiler
28.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for macro with argument	PC , TC Compiler
29.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for linear search using macro	PC , TC Compiler
30.	T.E. Comp (Term – I)	Microprocessor II	Study Of BIOS And DOS Interrupts	Study Experiment
31.	T.E. Comp (Term – I)	Microprocessor II	Study Of MASM Directives	Study Experiment
32.	T.E. Comp (Term – I)	Microprocessor II	Design of graphics editor	PC, 8086 Assembler
33.	T.E. Comp (Term – I)	Microprocessor II	Mouse Interfacing	PC, 8086 Assembler
34.	T.E. Comp (Term – I)	Microprocessor II	Program for TSR routine	PC, 8086 Assembler,
35.	T.E. Comp (Term – I)	Microprocessor II	PC to PC Communication using serial port in 8086	PC, 8086 Assembler
36.	T.E. Comp (Term – I)	Microprocessor II	Program for Centronics Printer interface	PC, 8086 Assembler
37.	T.E. Comp (Term – I)	Microprocessor II	Program for read/write sector of a floppy	PC 8086 Assembler
38.	T.E. Comp (Term – I)	Microprocessor II	Write a device driver program	PC, 8086 Assembler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
39.	T.E. Comp (Term – I)	Microprocessor II	Study of Analog to Digital	-
40.	T.E. Comp (Term – I)	Microprocessor II	Study of Digital to Analog	-
41.	T.E. Comp (Term – I)	Microprocessor II	Program for stepper motor interfacing	PC, 8086 Assembler

Name of Lab: - Lab no. 6/ Programming Lab-II
Term-II

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1.	SE Comp. (Term – II)	Microprocessor - I	Study Of BIOS And DOS Interrupts	Study Experiment
2.	SE Comp. (Term – II)	Microprocessor - I	Study Of MASM Directives	Study Experiment
3.	SE Comp. (Term – II)	Microprocessor - I	Program For String Manipulation	PC, 8086 Assembler
4.	SE Comp. (Term – II)	Microprocessor - I	Program For Password	PC, 8086 Assembler
5.	SE Comp. (Term – II)	Microprocessor - I	Program For HEX To BCD Conversion	PC, 8086 Assembler
6.	SE Comp. (Term – II)	Microprocessor - I	Program For BCD to HEX conversion	PC, 8086 Assembler
7.	SE Comp. (Term – II)	Microprocessor - I	Program for BCD addition	PC, 8086 Assembler
8.	SE Comp. (Term – II)	Microprocessor - I	Program For MACRO	PC, 8086 Assembler
9.	SE Comp. (Term – II)	Microprocessor - I	Program for NEAR Procedure	PC, 8086 Assembler
10.	SE Comp. (Term – II)	Microprocessor - I	Program For FAR Procedure	PC,8086 Assembler
11.	SE Comp. (Term – II)	Microprocessor - I	Program Using 8087 Instruction Set(Hypotenious)	PC,8086 Assembler
12.	SE Comp. (Term – II)	Microprocessor - I	Program Using 8087 Instruction Set(Area Of Circle)	PC,8086 Assembler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
13.	TE Comp Term-II	Operating System	Implementation Of command Interpreter using System Calls	PC, Win Xp, TC Complier
14.	TE Comp Term-II	Operating System	Study Of command Interpreter	Study Experiment
15.	TE Comp Term-II	Operating System	Implementation of CPU scheduling Algorithm	TC Complier
16.	TE Comp Term-II	Operating System	Implementation Of Memory Management	PC, Win Xp,
17.	TE Comp Term-II	Operating System	Simulation Of Page Replacement Algorithm	TC Complier
18.	TE Comp Term-II	Operating System	Implementation Of Banker's Algorithm	PC, Win Xp,
19.	TE Comp Term-II	Operating System	Installation Of UNIX/LINUX/Windows server installation	PC
20.	TE Comp Term-II	Operating System	Study of Unix/Linux Commands	PC,Red hat Linux
21.	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of stack using array	PC, TC Compiler
22.	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of Queue using array	PC, TC Compiler
23.	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of circular Queue using array	PC, TC Compiler
24.	S.E. Comp. (Term – II)	Data Structure & Files.	Conversion of Infix expression to postfix expression	PC, TC Compiler
25.	S.E. Comp. (Term – II)	Data Structure & Files.	Conversion of postfix expression to infix expression	PC, TC Compiler
26.	S.E. Comp. (Term – II)	Data Structure & Files.	Addition of two single variable polynomial using linked list	PC, TC Compiler
27.	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of double linked list and perform insertion, deletion and searching	PC, TC Compiler
28.	S.E. Comp. (Term – II)	Data Structure & Files.	Creation of binary tree and perform all non-recursive traversals	PC, TC Compiler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
29.	S.E. Comp. (Term – II)	Data Structure & Files.	Creation of binary search tree and perform insertion, deletion printing and in a tree shape	PC, TC Compiler
30.	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of pattern matching in starting using linked listed.	PC, TC Compiler
31.	S.E. Comp. (Term – II)	Data Structure & Files.	Create a hash table and handle the collisions using liner probing with or without replacement.	PC, TC Compiler
32.	S.E. Comp. (Term – II)	Data Structure & Files.	Implementation of simple index file	PC, TC Compiler
33.	S.E. Comp. (Term – II)	Data Structure & Files.	implementation of sequential file.	PC, TC Compiler
34.	S.E. Comp. (Term – II)	Data Structure & Files.	lementation of relative file.	PC, TC Compiler

Name of Lab: - Lab no. 7/ Data Base Lab
Term-I

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Study of windows programming	Pc, Windows os.
2.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for arithmetic operation using java script	Internet Explorer
3.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for string manipulation using java application	Jdk1.5
4.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for button using java	Jdk1.5
5.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Creating vertical and horizontal scroll bar using java	Jdk1.5

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
6.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for drawing various shapes using java	Jdk1.5
7.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for mouse event	Jdk1.5
8.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for button event	Jdk1.5
9.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for database access using java	Jdk1.5, Microsoft acces
10.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for HTML page creation	Internet Explorer
11.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for HTML table creation	Internet Explorer
12.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Study experiment on DLL creation in VC++	VC++
13.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for Dialog box creation in VC++	VC++
14.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for menu creation in VC++	VC++
15.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Study experiment on Internet tool	Pc , internet Explorer
16.	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Study experiment on C# and .net	C# and .net
17.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for Matrix operation(addition, multiplication, inverse)	PC , TC Compiler
18.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for swapping of number using single pointer	PC , TC Compiler
19.	S.E. Comp. (Term – I)	Programming Laboratory-I	Processing student record using structure	PC , TC Compiler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
20.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for string operation	PC , TC Compiler
21.	S.E. Comp. (Term – I)	Programming Laboratory-I	File manipulation opening, closing input and output operation on file	PC , TC Compiler
22.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for macro	PC , TC Compiler
23.	S.E. Comp. (Term – I)	Programming Laboratory-I	Inter conversion of number system	PC , TC Compiler
24.	S.E. Comp. (Term – I)	Programming Laboratory-I	To find the values of unknown by Gauss elimination	PC , TC Compiler
25.	S.E. Comp. (Term – I)	Programming Laboratory-I	To find root of equation by Newton Rapson	PC , TC Compiler
26.	S.E. Comp. (Term – I)	Programming Laboratory-I	To find root of equation of Regula Falsi	PC , TC Compiler
27.	S.E. Comp. (Term – I)	Programming Laboratory	Find Integral values using Simpson's 1/3 ,3/8 rule	PC , TC Compiler
28.	S.E. Comp. (Term – I)	Programming Laboratory-I	Sorting using Bubble sort	PC , TC Compiler
29.	S.E. Comp. (Term – I)	Programming Laboratory-I	Sorting using Quick sort	PC , TC Compiler
30.	S.E. Comp. (Term – I)	Programming Laboratory-I	Searching of given element by Linear search	PC , TC Compiler
31.	S.E. Comp. (Term – I)	Programming Laboratory-I	Searching of given element by Binary search	PC , TC Compiler
32.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for macro with argument	PC , TC Compiler
33.	S.E. Comp. (Term – I)	Programming Laboratory-I	Program for linear search using macro	PC , TC Compiler

Name of Lab: - Lab no. 7/ Data Base Lab
Term-II

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1.	TE Comp Term-II	Database Management System	Creating a sample database application using conventional file processing mechanism and "C" language. The program should provide facilities for retrieving, adding, deleting and modifying records	PC, TC Complier
2.	TE Comp Term-II	Database Management System	Prepare an E-R diagram for the given problem definition. Prepare and verify a relational database design using concepts of normalization techniques in appropriate normal form	Study Experiment
3.	TE Comp Term-II	Database Management System	Creating a sample database file and indexes (for the design made in experiment No. 2) using any client server RDBMS (oracle/Sybase) package using SQL DDL queries. This will include constraints (key reference etc.) to be used while creating tables	PC, Win Xp Oracle 7i/8i

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
4.	TE Comp Term-II	Database Management System	SQL DML queries: Use of SQL DML queries to retrieve, insert, delete and update the database created in experiment No. 3. The queries should involve all SQL features such as aggregate functions, group by, having, order by, sub queries and various SQL operators	PC, Win Xp, Oracle 7i/8i
5.	TE Comp Term-II	Database Management System	SQL Queries: Generating views and performing diff. operations on it. .	PC, Win Xp, Oracle 7i/8i
6.	TE Comp Term-II	Database Management System	SQL: Nested queries.	PC, Win Xp, Oracle 7i/8i
7.	TE Comp Term-II	Database Management System	Program for connectivity between SQL and VB.	PC, Win Xp, Oracle 7i/8i and VB
8.	TE Comp Term-II	Database Management System	Program on PL/SQL	PC, Win Xp, Oracle 7i/8i
9.	S.E. Comp. (Term – II)	Data Structure & Files.	Program For Implementation Of Stack.	PC, TC Compiler
10.	S.E. Comp. (Term – II)	Data Structure & Files.	Program For Implementation Of Queue .	PC, TC Compiler
11.	S.E. Comp. (Term – II)	Data Structure & Files.	Program For Implementation of Circular Queue	PC, TC Compiler
12.	S.E. Comp. (Term – II)	Data Structure & Files.	Program For Infix To Postfix Conversion.	PC, TC Compiler
13.	S.E. Comp. (Term – II)	Data Structure & Files.	Program For Postfix To Infix Conversion.	PC, TC Compiler
14.	S.E. Comp. (Term – II)	Data Structure & Files.	Program For Polynomial Addition.	PC, TC Compiler
15.	S.E. Comp. (Term – II)	Data Structure & Files.	Program For Doubly Linked List.	PC, TC Compiler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
16.	S.E. Comp. (Term – II)	Data Structure & Files.	Program For Construction of Binary Tree Traversal.	PC, TC Compiler
17.	S.E. Comp. (Term – II)	Data Structure & Files.	Program For Binary Search Tree.	PC, TC Compiler
18.	S.E. Comp. (Term – II)	Data Structure & Files.	Program For Pattern Matching.	PC, TC Compiler
19.	S.E. Comp. (Term – II)	Data Structure & Files.	Program For Hash Table.	PC, TC Compiler
20.	S.E. Comp. (Term – II)	Data Structure & Files.	Program For Sequential File Handling.	PC, TC Compiler
21.	FE Term-II	Introduction To Computing	Study of motherboard with its all component details.	Motherboard of Comp.
22.	FE Term-II	Introduction To Computing	Study of I/O devices	Study Experiment
23.	FE Term-II	Introduction To Computing	Study of DOS & Windows Commands	PC, Windows OS
24.	FE Term-II	Introduction To Computing	Search for an information on any search engine on Internet	PC, Internet Connection, Web Browser
25.	FE Term-II	Introduction To Computing	Creation of Email Account	PC, Internet Connection, Web Browser
26.	FE Term-II	Introduction To Computing	Prepare document using MS World	PC, MS Office
27.	FE Term-II	Introduction To Computing	Creating a presentation using Power Point	PC, MS Office with Power Point
28.	FE Term-II	Introduction To Computing	Accept and display the personal detail in C language	PC, TC Compiler
29.	FE Term-II	Introduction To Computing	Perform Arithmetic operations in C language	PC, TC Compiler
30.	FE Term-II	Introduction To Computing	Find the largest & smallest elements	PC, TC Compiler
31.	FE Term-II	Introduction To Computing	Searching an element in an Array	PC, TC Compiler
32.	FE Term-II	Introduction To Computing	Sorting the element in an Array	PC, TC Compiler

Name of Lab: - Lab no. 8/ System Programming Lab
Term-I

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1.	T.E. Comp (Term – I)	Microprocessor II	Study Of BIOS And DOS Interrupts	Study Experiment
2.	T.E. Comp (Term – I)	Microprocessor II	Genrating music tones by using pc	Study Experiment
3.	T.E. Comp (Term – I)	Microprocessor II	Design of graphics editor	PC, 8086 Assembler
4.	T.E. Comp (Term – I)	Microprocessor II	Mouse Interfacing	PC, 8086 Assembler
5.	T.E. Comp (Term – I)	Microprocessor II	Program for TSR routine	PC, 8086 Assembler,
6.	T.E. Comp (Term – I)	Microprocessor II	PC to PC Communication using serial port in 8086	PC, 8086 Assembler
7.	T.E. Comp (Term – I)	Microprocessor II	Program for Centronics Printer interface	PC, 8086 Assembler
8.	T.E. Comp (Term – I)	Microprocessor II	Program for read/write sector of a floppy	PC 8086 Assembler
9.	T.E. Comp (Term – I)	Microprocessor II	Write a device driver program	PC, 8086 Assembler
10.	T.E. Comp (Term – I)	Microprocessor II	Interfacing of Analog to Digital	8086 kits with ADC kit
11.	T.E. Comp (Term – I)	Microprocessor II	Interfacing of Digital to Analog	8086 kits With DAC kit
12.	T.E. Comp (Term – I)	Microprocessor II	Interfacing of stepper motor	8086 kits with St/DC kit
13.	T.E. Comp (Term – I)	Systems Programming	Develop an application to simulate Assembler for 8086	PC, TC Compiler
14.	T.E. Comp (Term – I)	Systems Programming	Design a simple loader	PC, TC Compiler
15.	T.E. Comp (Term – I)	Systems Programming	Develop an application to create a simple text editor	PC, TC Compiler
16.	T.E. Comp (Term – I)	Systems Programming	Develop an application for simulating Lexical phase of Compiler	PC, TC Compiler
17.	T.E. Comp (Term – I)	Systems Programming	Develop an application for simulating Syntax Analysis phase of Compiler	PC, TC Compiler
18.	T.E. Comp (Term – I)	Systems Programming	Develop an application for pass-I assembler	PC, TC Compiler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
19.	T.E. Comp (Term – I)	Systems Programming	Develop an application for pass-II assembler	PC, TC Compiler

Name of Lab: - Lab no. 8/ System Programming Lab
Term-II

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1.	FE Term-II	Introduction To Computing	Study of motherboard with its all component details.	Motherboard of Comp.
2.	FE Term-II	Introduction To Computing	Study of I/O devices	Study Experiment
3.	FE Term-II	Introduction To Computing	Study of DOS & Windows Commands	PC, Windows OS
4.	FE Term-II	Introduction To Computing	Search for an information on any search engine on Internet	PC, Internet Connection, Web Browser
5.	FE Term-II	Introduction To Computing	Creation of Email Account	PC, Internet Connection, Web Browser
6.	FE Term-II	Introduction To Computing	Prepare document using MS World	PC, MS Office
7.	FE Term-II	Introduction To Computing	Creating a presentation using Power Point	PC, MS Office with Power Point
8.	FE Term-II	Introduction To Computing	Accept and display the personal detail in C language	PC, TC Compiler
9.	FE Term-II	Introduction To Computing	Perform Arithmetic operations in C language	PC, TC Compiler
10.	FE Term-II	Introduction To Computing	Find the largest & smallest elements	PC, TC Compiler
11.	FE Term-II	Introduction To Computing	Searching an element in an Array	PC, TC Compiler
12.	FE Term-II	Introduction To Computing	Sorting the element in an Array	PC, TC Compiler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
13.	T.E. Computer (Term-II)	Microprocessor-III	Study of CMOS setup	PC.
14.	T.E. Computer (Term-II)	Microprocessor-III	Solving arithmetic expression	PC, Masm
15.	T.E. Computer (Term-II)	Microprocessor-III	64 bit Arithmetic operations	PC, Masm
16.	T.E. Computer (Term-II)	Microprocessor-III	Layout of motherboard and minimum peripherals	PC.
17.	T.E. Computer (Term-II)	Microprocessor-III	Switching from real mode to protected mode and back	PC, Masm
18.	T.E. Computer (Term-II)	Microprocessor-III	Installation of peripherals	PC
19.	T.E. Computer (Term-II)	Microprocessor-III	PC diagnostics using diagnostic tools	PC
20.	T.E. Computer (Term-II)	Microprocessor-III	Study assignment on any latest GUI application	PC with internet
21.	SE Comp.– II)	Microprocessor - I	Study Of BIOS And DOS Interrupts	Study Experiment
22.	SE Comp.– II)	Microprocessor - I	Study Of MASM	Study Experiment
23.	SE Comp.– II)	Microprocessor - I	Program For String Manipulation	PC, 8086 Assembler
24.	SE Comp.– II)	Microprocessor - I	Program For Password	PC, 8086 Assembler
25.	SE Comp.- II)	Microprocessor - I	Program For HEX To BCD Conversion	PC, 8086 Assembler
26.	SE Comp. (Term – II)	Microprocessor - I	Program For BCD to HEX conversion	PC, 8086 Assembler
27.	SE Comp. (Term – II)	Microprocessor - I	Program for BCD addition	PC, 8086 Assembler
28.	SE Comp. (Term – II)	Microprocessor - I	Program For MACRO	PC, 8086 Assembler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
29.	SE Comp. (Term – II)	Microprocessor - I	Program for NEAR Procedure	PC, 8086 Assembler
30.	SE Comp. (Term – II)	Microprocessor - I	Program For FAR Procedure	PC,8086 Assembler
31.	SE Comp. (Term – II)	Microprocessor - I	Program Using 8087 Instruction Set(Hypotenious)	PC,8086 Assembler
32.	SE Comp. (Term – II)	Microprocessor - I	Program Using 8087 Instruction Set(Area Of Circle)	PC,8086 Assembler

Name of Lab: - Lab no. 9/ Operating System Lab
Term-I

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Study of windows programming	Pc, Windows O.S.
2	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for arithmetic operation using java script	Internet Explorer
3	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for string manipulation using java application	Jdk1.5
4	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for button using java	Jdk1.5
5	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Creating vertical and horizontal scroll bar using java	Jdk1.5
6	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for drawing various shapes using java	Jdk1.5
7	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for mouse event	Jdk1.5
8	T.E.	Advanced	Program for button event	Jdk1.5

	Computer (Term –I)	Development Tools Lab.		
9	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for database access using java	Jdk1.5, Microsoft access
10	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for HTML page creation	Internet Explorer
11	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for HTML table creation	Internet Explorer
12	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Study experiment on DLL creation in VC++	VC++
13	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for Dialog box creation in VC++	VC++
14	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Program for menu creation in VC++	VC++
15	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Study experiment on Internet tool	Pc , internet Explorer
16	T.E. Computer (Term –I)	Advanced Development Tools Lab.	Study experiment on C# and .net	C# and .net

Name of Lab: - Lab no. 9/ Operating System Lab
Term-I

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1.	BE Comp Term-I	Advanced Unix Programming	Study & execution of various Unix/Linux commands.	PC, Linux OS
2.	BE Comp Term-I	Advanced Unix Programming	Listing of files in directory, By using opendir ( ) and readdir( ) functions.	PC, Linux OS

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
3.	BE Comp Term-I	Advanced Unix Programming	Program on file management.	PC, Linux OS
4.	BE Comp Term-I	Advanced Unix Programming	Program on simulation of various commands.	PC, Linux OS
5.	BE Comp Term-I	Advanced Unix Programming	Program on signals.	PC, Linux OS
6.	BE Comp Term-I	Advanced Unix Programming	Programs on thread, in Linux.	PC, Linux OS
7.	BE Comp Term-I	Advanced Unix Programming	Program on Daemon process	PC, Linux OS
8.	BE Comp Term-I	Advanced Unix Programming	Program for Pipe.	PC, Linux OS
9.	BE Comp Term-I	Advanced Unix Programming	Client/Server implementation of named pipe.	PC, Linux OS
10.	BE Comp Term-I	Advanced Unix Programming	IPC by using message Queue.	PC, Linux OS
11.	BE Comp Term-I	Advanced Unix Programming	Shell Scripts	PC, Linux OS
12.	B.E. Comp. (Term – I)	Artificial Intelligence	Implementation of single perception training algorithm	PC, Prolog Compiler
13.	B.E. Comp. (Term – I)	Artificial Intelligence	Implementation of Unification Algorithm.	PC, Prolog Compiler
14.	B.E. Comp. (Term – I)	Artificial Intelligence	Implementation of Dynamic Database	PC, Prolog Compiler
15.	B.E. Comp. (Term – I)	Artificial Intelligence	Parsing method implementation	PC, Prolog Compiler
16.	B.E. Comp. (Term – I)	Artificial Intelligence	Development of Mini Export System using prolog	PC, Prolog Compiler
17.	B.E. Comp. (Term – I)	Artificial Intelligence	Application development using Neural Network	PC, Prolog Compiler
18.	B.E. Comp. (Term – I)	Artificial Intelligence	Study Assignment on PROLOG	PC, Prolog Compiler
19.	T.E. Comp (Term – I)	Systems Programming	Develop an application to simulate Assembler for 8086	PC, TC Compiler
20.	T.E. Comp (Term – I)	Systems Programming	Design a simple loader	PC, TC Compiler

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
21.	T.E. Comp (Term – I)	Systems Programming	Develop an application to create a simple text editor	PC, TC Compiler
22.	T.E. Comp (Term – I)	Systems Programming	Develop an application for simulating Lexical phase of Compiler	PC, TC Compiler
23.	T.E. Comp (Term – I)	Systems Programming	Develop an application for simulating Syntax Analysis phase of Compiler	PC, TC Compiler

Name of Lab: - Lab no. 9/ Operating System Lab
Term-II

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1.	TE Comp Term-II	Operating System	Implementation Of command Interpreter using System Calls	PC, Win Xp, TC Complier
2.	TE Comp Term-II	Operating System	Study Of command Interpreter	Study Experiment
3.	TE Comp Term-II	Operating System	Implementation of CPU scheduling Algorithm	TC Complier
4.	TE Comp Term-II	Operating System	Implementation Of Memory Management	PC, Win Xp,
5.	TE Comp Term-II	Operating System	Simulation Of Page Replacement Algorithm	TC Complier
6.	TE Comp Term-II	Operating System	Implementation Of Banker's Algorithm	PC, Win Xp,
7.	TE Comp Term-II	Operating System	Installation Of UNIX/LINUX/Windows server installation	PC
8.	TE Comp Term-II	Operating System	Study of Unix/Linux Commands	PC,Red hat Linux

Sr.No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software
9.	B.E. Comp (Term II)	Advance Comp. Architecture	Assignment-Introduction to Parallel processing	Study experiment
10.	B.E. Comp (Term II)	Advance Comp. Architecture	Program to implement SISD Matrix multiplication	PC, TC
11.	B.E. Comp (Term II)	Advance Comp. Architecture	Program to implement Odd-Even transposition sort	PC, TC
12.	B.E. Comp (Term II)	Advance Comp. Architecture	Program to implement Parallel sorting algorithm	PC, TC.
13.	B.E. Comp (Term II)	Advance Comp. Architecture	Program to implement associative searching algorithm	PC, TC
14.	B.E. Comp (Term II)	Advance Comp. Architecture	Study of ILLIAC-IV array processor	Study experiment
15.	B.E. Comp (Term II)	Advance Comp. Architecture	Study of CRAY-I processor	Study experiment
16.	T.E. Computer (Term – II)	ADA	Program for implantation of algorithm insertion and merge sort	Windows XP & TC++
17.	T.E. Computer (Term – II)	ADA	Program for graph coloring using Backtracking method	Windows XP & TC++
18.	T.E. Computer (Term – II)	ADA	Program for Eight Queens problem using backtracking	Windows XP & TC++
19.	T.E. Computer (Term – II)	ADA	Program for binary search tree & perform insertion deletion ,searching ,display of tree	Windows XP & TC++
20.	T.E. Computer (Term – II)	ADA	Program for strassens's matrix multiplication	Windows XP & TC++
21.	T.E. Computer (Term – II)	ADA	Program for optimal binary search tree using dynamic programming	Windows XP & TC++
22.	T.E. Computer (Term – II)	ADA	Program for implement knapsack problem using greedy algorithm	Windows XP & TC++
23.	T.E. Computer (Term – II)	ADA	Study of traveling salesman problem , NP hard & NP complete problem	Windows XP & TC++

List of Experimental Setup – Term-I

Name of Lab: - Lab no. 1/ Digital System and Microprocessor Lab

Sr. No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1	S.E. IT (Term – I)	Digital System and microprocessor	Verify the Truth table of logic gates and of Demorgance Theorem	Bread board, Power supply, connecting wires, IC 7400, 7408, 7402, 7486, 7404, 7432
2	S.E. IT (Term – I)	Digital System and microprocessor	Construction of basic gates using Universal gates	Bread board, Power supply, connecting wires, IC 7400,
3	S.E. IT (Term – I)	Digital System and microprocessor	Construction of Half Adder and Full Adder	Bread board, Power supply, connecting wires, IC 7486, 7408, 7432
4	S.E. IT (Term – I)	Digital System and microprocessor	Construction of Half and Full Substractor	Bread board, Power supply, connecting wires, IC 7486, 7408, 7404
5	S.E. IT (Term – I)	Digital System and microprocessor	File manipulation opening, closing input and output operation on file	Bread board, Power supply, connecting wires, IC 7486, 7404
6	S.E. IT (Term – I)	Digital System and microprocessor	Program for macro	8085 Anshuman Kit, Power suply
7	S.E. IT (Term – I)	Digital System and microprocessor	Interco version of number system	8085 Anshuman Kit, Power supply
8	S.E. IT (Term – I)	Digital System and microprocessor	To find the values of unknown by Gauss elimination	8085 Anshuman Kit, Power supply
9	S.E. IT (Term – I)	Digital System and microprocessor	To find root of equation by Newton Rapson	8085 Anshuman Kit, Power supply
10	S.E. IT (Term – I)	Digital System and microprocessor	To find root of equation of Regula Falsi	8085 Anshuman Kit, Power suply

Sr. No	Year and Branch	Subject	Experiment Title	Name of Equipment, Software available to Conduct the Experiment
1	B.E. IT (Term – I)	Embedded Systems	Study of ES and its application with overview and Study of JTAG Debugger/on-board debugger-emulator.	The complete IDE, ARM7 board, with on board LCD, PC with minimum 256k RAM
2	B.E. IT (Term – I)	Embedded Systems	Program to interface Keyboard and display key pressed on LCD	The complete IDE, ARM7 board, with on board LCD, PC with minimum 256k RAM
3	B.E. IT (Term – I)	Embedded Systems	Writing basic C-programs for I/O operations	The complete IDE, ARM7 board, with on board LED, PC with minimum 256k RAM
4	B.E. IT (Term – I)	Embedded Systems	Program to interface kbd and display a key pressed on LCD	The complete IDE, ARM7 board, with on board LED, 7- segment, PC with minimum 256k RAM
5	B.E. IT (Term – I)	Embedded Systems	Program to demonstrate I2C Protocol.	The complete IDE, ARM7 board, with on board LED, PC with minimum 256k RAM
6	B.E. IT (Term – I)	Embedded Systems	Create two tasks, which will print some characters on the serial port, Start the scheduler and observe the behavior.	The complete IDE, ARM7 board, with on board LCD, PC with minimum 256k RAM
7	B.E. IT (Term – I)	Embedded Systems	Program to demonstrate RF communication	The complete IDE, ARM7 board,RF Reciever /Transmitter Kit,PC with minimum 256k RAM
8	B.E. IT (Term – I)	Embedded Systems	Ethernet Based Socket Programming using Embedded Real Time Linux.	The complete IDE, ARM9 board RTOS Support, with on board LED, LCD display, keypad 3*3, PC with minimum 256k RAM,
9	B.E. IT (Term – I)	Embedded Systems	Interfacing 4 x 4 matrix keyboards and 16 x 2 character LCD display to microcontroller / Microprocessor and writing a program using RTOS for displaying a pressed key.	The complete IDE, ARM7 board RTOS Support, with on board LED, 4 x 4 matrix keyboards and 16 x 2 character LCD display PC with minimum 256k RAM

10	B.E. IT (Term – I)	Embedded Systems	Program for exploration of (Process creation, Thread creation) using Embedded Real Time Linux.	The complete IDE, ARM9 board RTOS Support, with on board LED, LCD display, keypad 3*3, PC with minimum 256k RAM,

Name of Lab: - Lab no. 2/ Data Structure Lab

Sr. No	Year and Branch	Subject	Experiment Title	Name of Equipment, Software available to Conduct the Experiment
1	B.E. IT (Term – I)	Advanced Unix Programming	Study and Execution of various Unix or Linux Commands	Fedora Core
2	B.E. IT (Term – I)	Advanced Unix Programming	Listing of Files &Directories	Fedora Core
3	B.E. IT (Term – I)	Advanced Unix Programming	Implementation of Files	Fedora Core
4	B.E. IT (Term – I)	Advanced Unix Programming	Program on signals in Linux	Fedora Core
5	B.E. IT (Term – I)	Advanced Unix Programming	Program on threads in Linux	Fedora Core
6	B.E. IT (Term – I)	Advanced Unix Programming	Program to demonstrate Daemon Process	Fedora Core
7	B.E. IT (Term – I)	Advanced Unix Programming	Program for pipe sending data from parent to child over pipe	Fedora Core
8	B.E. IT (Term – I)	Advanced Unix Programming	Client –Server Implementation using name pipe	Fedora Core
9	B.E. IT (Term – I)	Advanced Unix Programming	Program on shell script	Fedora Core

Sr. No	Year and Branch	Subject	Experimental Title	Name of Equipment, Software available to Conduct the Experiment
1.	T.E. IT (Term – I)	Computer Networks	Study of Network resources and various components	PC
2.	T.E. IT (Term – I)	Computer Networks	TCP/IP Socket Programming	PC, JDK 1.3
3.	T.E. IT (Term – I)	Computer Networks	Implementation of Data link layer protocol	PC, TC/JDK 1.3
4.	T.E. IT (Term – I)	Computer Networks	Implementation of network routing algorithm	PC, TC
5.	T.E. IT (Term – I)	Computer Networks	Implementation of data compression and decompression algorithm (Huffman Algorithm)	PC, TC/JDK 1.3
6.	T.E. IT (Term – I)	Computer Networks	Implementation of Network security algorithm(Encryption and Decryption algorithm)	PC, TC/JDK 1.3

Sr. No	Year and Branch	Subject	Experimental Title	Name of Equipment, Software available to Conduct the Experiment
1.	T.E. IT (Term – I)	Computer Graphics	Study of Graphics commands	PC, TC Compiler
2.	T.E. IT (Term – I)	Computer Graphics	Program for line drawing using DDA	PC, TC Compiler
3.	T.E. IT (Term – I)	Computer Graphics	Program for line drawing using Bresenham's line drawing algorithm	PC, TC Compiler
4.	T.E. IT (Term – I)	Computer Graphics	Program for Circle drawing using Bresenham's Algorithm	PC, TC Compiler
5.	T.E. IT (Term – I)	Computer Graphics	Program for Polygon filling	PC, TC Compiler
6.	T.E. IT (Term – I)	Computer Graphics	Program for Polygon Clipping	PC, TC Compiler
7.	T.E. IT (Term – I)	Computer Graphics	Program for 3D Rotation	PC, TC Compiler
8.	T.E. IT (Term – I)	Computer Graphics	Program for Parallel projection	PC, TC Compiler
9.	T.E. IT (Term – I)	Computer Graphics	Program for Perspective projection	PC, TC Compiler
10.	T.E. IT (Term – I)	Computer Graphics	Program for Animation	PC, TC Compiler
11.	T.E. IT (Term – I)	Computer Graphics	Study of Latest GUI application	PC, TC Compiler

Name of Lab: - Lab no. 3/ Programming Lab

Sr. No.	Year and Branch	Subject	Experiment Title	Name of Equipment/ Software available to Conduct the Experiment
1	S.E. IT (Term – I)	Programming Labarotary-1	Program for Matrix operation(addition ,multiplication, inverse)	PC , TC Compiler
2	S.E. IT (Term – I)	Programming Labarotary-1	Program for swapping of number using single pointer	PC , TC Compiler
3	S.E. IT (Term – I)	Programming Labarotary-1	Processing student record using structure	PC , TC Compiler
4	S.E. IT (Term – I)	Programming Labarotary-1	Program for string operation	PC , TC Compiler
5	S.E. IT (Term – I)	Programming Labarotary-1	File manipulation opening, closing input and output operation on file	PC , TC Compiler
6	S.E. IT (Term – I)	Programming Labarotary-1	Program for macro	PC , TC Compiler
7	S.E. IT (Term – I)	Programming Labarotary-1	Interco version of number system	PC , TC Compiler
8	S.E. IT (Term – I)	Programming Labarotary-1	Program for nesting of macro	PC , TC Compiler
9	S.E. IT (Term – I)	Programming Labarotary-1	To find root of equation by Newton Rapson	PC , TC Compiler
10	S.E. IT (Term – I)	Programming Labarotary-1	To find root of equation of Regula Falsi	PC , TC Compiler
11	S.E. IT (Term – I)	Programming Labarotary-1	Find Integral values using Simpson’s 1/3 ,3/8 rule	PC , TC Compiler
12	S.E. IT (Term – I)	Programming Labarotary-1	Sorting using Bubble sort	PC , TC Compiler
13	S.E. IT (Term – I)	Programming Labarotary-1	Sorting using Quick sort	PC , TC Compiler
14	S.E. IT (Term – I)	Programming Labarotary-1	Searching of given element by Linear search	PC , TC Compiler
15	S.E. IT (Term – I)	Programming Labarotary-1	Searching of given element by Binary search	PC , TC Compiler
16	S.E. IT (Term – I)	Programming Labarotary-1	To find root of equation by Interpolation Method	PC , TC Compiler

Sr. No	Year and Branch	Subject	Experiment Title	Name of Equipment, Software available to Conduct the Experiment
1	B.E. IT (Term – I)	Enterprise Resources and Planning	**Assignment No.1** Searching information on internet for Oracle Corporation	PC, Internet Explorer 6.0, Internet Connection
2	B.E. IT (Term – I)	Enterprise Resources and Planning	**Assignment No.2** Searching information on internet for SAP R/3 and SAP AG	PC, Internet Explorer 6.0, Internet Connection
3	B.E. IT (Term – I)	Enterprise Resources and Planning	**Assignment No.3** Searching information on internet for BANN Company	PC, Internet Explorer 6.0, Internet Connection
4	B.E. IT (Term – I)	Enterprise Resources and Planning	**Assignment No.4** Searching information on internet for People soft and JD Edwards	PC, Internet Explorer 6.0, Internet Connection
5	B.E. IT (Term – I)	Enterprise Resources and Planning	**Assignment No.5** Searching information on internet for World Solutions Company and System Software Associates, Inc. (SSA).	PC, Internet Explorer 6.0, Internet Connection
6	B.E. IT (Term – I)	Enterprise Resources and Planning	**Assignment No.6** QAD and ERP Implementation Lifecycle	PC, Internet Explorer 6.0, Internet Connection

Sr. No	Year and Branch	Subject	Experiment Title	Name of Equipment, Software available to Conduct the Experiment
1	T.E. IT (Term – I)	Advanced Development Tools Lab	Study exp. On windows programming	PC, MS-Visual Studio .NET MS- Office
2	T.E. IT (Term – I)	Advanced Development Tools Lab	Study For freehand drawing where mouse drag	MS-Visual Studio .NET Book
3	T.E. IT (Term – I)	Advanced Development Tools Lab	Program for DLL creation	PC, MS-Visual Studio .NET MS- Office
4	T.E. IT (Term – I)	Advanced Development Tools Lab	Study Experiment On Internet Tools	Textbook on Computer Networks
5	T.E. IT (Term – I)	Advanced Development Tools Lab	Program For Database Access Using JAVA	PC, Notepad/Java Editor, JDK 1.3, Microsoft Access
6	T.E. IT (Term – I)	Advanced Development Tools Lab	Program On HTML Page Creation	PC, Notepad, Internet Explorer
7	T.E. IT (Term – I)	Advanced Development Tools Lab	Program for table creation (nested table) using HTML	PC, Notepad, Internet Explorer
8	T.E. IT (Term – I)	Advanced Development Tools Lab	Program On JAVA SCRIPT	PC, Notepad/Java Editor, Java enabled Browser
9	T.E. IT (Term – I)	Advanced Development Tools Lab	Program On JAVA Application	PC, Notepad/Java Editor, JDK 1.3
10	T.E. IT (Term – I)	Advanced Development Tools Lab	Study Of C# and .Net Application	MS-Visual Studio . NETBook

11	T.E. IT (Term – I)	Advanced Development Tools Lab	Program for creating button using JAVA	PC, Notepad/Java Editor, JDK 1.3
12	T.E. IT (Term – I)	Advanced Development Tools Lab	Program for creating Vertical or Horizontal Scrollbar using JAVA	PC, Notepad/Java Editor, JDK 1.3

Name of Lab: - Lab no. 4/ Multimedia Lab

Sr. No	Year and Branch	Subject	Experiment Title	Name of Equipment, Software available to Conduct the Experiment
1	B.E. IT (Term – I)	Object Oriented Modeling and Design	Study of Rational Rose and OOPS concepts	Textbooks
2	B.E. IT (Term – I)	Object Oriented Modeling and Design	Study of UML and UML 2.0	Textbooks
3	B.E. IT (Term – I)	Object Oriented Modeling and Design	Design of any Real Time System using Static UML Diagram. (Railway Reservation System)	PC, Rational Rose Software
4	B.E. IT (Term – I)	Object Oriented Modeling and Design	Design of any Real Time system using Dynamic Diagram. (Library Management System)	PC, Rational Rose Software
5	B.E. IT (Term – I)	Object Oriented Modeling and Design	Design of any Real Time system using Dynamic Diagram. (ATM System)	PC, Rational Rose Software
6	B.E. IT (Term – I)	Object Oriented Modeling and Design	Design of any Real Time system using Dynamic Diagram for a company	PC, Rational Rose Software

Sr. No	Year and Branch	Subject	Experimental Title	Name of Equipment, Software available to Conduct the Experiment
1.	T.E. IT (Term – I)	Multimedia Techniques	Study of multimedia devices, standards and languages	Multimedia Technique, C,C++,Java
2.	T.E. IT (Term – I)	Multimedia Techniques	Audio, Video representation tools and prepare presentation of any projects	PC with speaker, Powerpoint
3.	T.E. IT (Term – I)	Multimedia Techniques	Create animation using C	TC Compiler
4.	T.E. IT (Term – I)	Multimedia Techniques	Create animation using Flash	PC with speaker, Flash 8.0
5.	T.E. IT (Term – I)	Multimedia Techniques	Program for editing Audio file	PC with speaker,Sound Forge
6.	T.E. IT (Term – I)	Multimedia Techniques	Development of HTML page using Dreamweaver	PC, Dreamweaver
7.	T.E. IT (Term – I)	Multimedia Techniques	Create simple database file	PC, Oracle

Sr. No	Year and Branch	Subject	Experimental Title	Name of Equipment, Software available to Conduct the Experiment
1.	T.E. IT (Term – I)	System Programming	Develop an application to simulate Pass I Assembler for 8086	PC, TC Compiler
2	T.E. IT (Term – I)	System Programming	Develop an application to simulate Pass II Assembler for 8086	PC, TC Compiler
3.	T.E. IT (Term – I)	System Programming	Design a simple loader	PC, TC Compiler
4.	T.E. IT (Term – I)	System Programming	Develop an application to create a simple text editor	PC, TC Compiler
5.	T.E. IT (Term – I)	System Programming	Develop an application for simulating Lexical phase of Compiler	PC, TC Compiler
6.	T.E. IT (Term – I)	System Programming	Develop an application for simulating Syntax Analysis phase of Compiler	PC, TC Compiler
7.	T.E. IT (Term – I)	System Programming	Program for file handling	PC, TC Compiler

List of Experimental Setup – Term-II

Name of Lab: - Lab no. 2/ Data Structure Lab

Sr. No.	Year and Branch	Subject	Experimental Title	Name of Equipment, Software available to Conduct the Experiment
1.	T.E. I.T (Term – II)	Operating Systems	Study of various commands in UNIX/ LINUX	PC, UNIX / LINUX OS.
2.	T.E. I.T (Term – II)	Operating Systems	Study of Command interpreter.	PC, UNIX / LINUX OS.
3.	T.E. I.T (Term – II)	Operating Systems	File management and directory management	PC, UNIX / LINUX OS, TC Compiler.
4.	T.E. I.T (Term – II)	Operating Systems	CPU scheduling	PC, UNIX / LINUX OS, TC Compiler.
5.	T.E. I.T (Term – II)	Operating Systems	Memory management	PC, UNIX / LINUX OS, TC Compiler.
6.	T.E. I.T (Term – II)	Operating Systems	Dead lock: Bankers algorithm	PC, UNIX / LINUX OS, TC Compiler.
7.	T.E. I.T (Term – II)	Operating Systems	Interprocess communication using message queue.	PC, UNIX / LINUX OS, TC Compiler.
8.	T.E. I.T (Term – II)	Operating Systems	Installation of Linux: workstation as well as server.	PC, LINUX OS CD's
9.	T.E. I.T (Term – II)	Operating Systems	Linux system administration	PC, UNIX / LINUX OS
10.	T.E. I.T (Term – II)	Operating Systems	Web server configuration	PC, UNIX / LINUX OS
11.	T.E. I.T (Term – II)	Operating Systems	Mail server configuration	PC, UNIX / LINUX OS

Sr. No	Year and Branch	Subject	Experiment Title	Name of Equipment, Software available to Conduct the Experiment
1	B.E. IT (Term – II)	Software Metrices and Quality Assurance	Program for line of code measurement.	PC, TC Compiler
2	B.E. IT (Term – II)	Software Metrices and Quality Assurance	Study of parametric reliability growth model	Study Experiment
3	B.E. IT (Term – II)	Software Metrices and Quality Assurance	Study of documentation S/W.	Study Experiment
4	B.E. IT (Term – II)	Software Metrices and Quality Assurance	The study of cleanroom approach.	Study Experiment
5	B.E. IT (Term – II)	Software Metrices and Quality Assurance	Study of Reengineering	Study Experiment
6	B.E. IT (Term – II)	Software Metrices and Quality Assurance	Study of Software testing tool.	Study Experiment

Sr. No	Year and Branch	Subject	Experiment Title	Name of Equipment, Software available to Conduct the Experiment
1	S.E. IT (Term – II)	Data Structure & Files.	Program For Implementation Of Stack.	PC, TC Compiler
2	S.E. IT (Term – II)	Data Structure & Files.	Program For Implementation Of Queue.	PC, TC Compiler
3	S.E. IT (Term – II)	Data Structure & Files.	Program For Implementation of Circular Queue	PC, TC Compiler
4	S.E. IT (Term – II)	Data Structure & Files.	Program For Infix To Postfix Conversion.	PC, TC Compiler
5	S.E. IT (Term – II)	Data Structure & Files.	Program For Postfix To Infix Conversion.	PC, TC Compiler
6	S.E. IT (Term – II)	Data Structure & Files.	Program For Polynomial Addition.	PC, TC Compiler
7	S.E. IT (Term – II)	Data Structure & Files.	Program For Doubly Linked List.	PC, TC Compiler
8	S.E. IT (Term – II)	Data Structure & Files.	Program For Construction of Binary Tree Traversal.	PC, TC Compiler
9	S.E. IT (Term – II)	Data Structure & Files.	Program For Binary Search Tree.	PC, TC Compiler
10	S.E. IT (Term – II)	Data Structure & Files.	Program For Pattern Matching.	PC, TC Compiler
11	S.E. IT (Term – II)	Data Structure & Files.	Program For Hash Table.	PC, TC Compiler
12	S.E. IT (Term – II)	Data Structure & Files.	Program For Sequential File Handling.	PC, TC Compiler

Name of Lab: - Lab no. 3/ Programming Lab

Sr. No	Year and Branch	Subject	Experiment Title	Name of Equipment, Software available to Conduct the Experiment
1	B.E. IT (Term – II)	Artificial Intelligence	Development of Mini Expert System using Prolog (Medical Expert System)	PC, TC Compiler
2	B.E. IT (Term – II)	Artificial Intelligence	Parsing method implementation	PC, TC Compiler
3	B.E. IT (Term – II)	Artificial Intelligence	Implementation of Unification Algorithm.	PC, TC Compiler
4	B.E. IT (Term – II)	Artificial Intelligence	Implementation of Dynamic database	PC, TC Compiler
5	B.E. IT (Term – II)	Artificial Intelligence	Implementation of single perceptron training algorithm	PC, TC Compiler
6	B.E. IT (Term – II)	Artificial Intelligence	Development of Intelligent Perception System	PC, TC Compiler
7	B.E. IT (Term – II)	Artificial Intelligence	Development of Mini Expert System using C (PC Diagnosis Expert System)	PC, TC Compiler
8	B.E. IT (Term – II)	Artificial Intelligence	Development of Pragmatic Analysis Phase of NLP using C	PC, TC Compiler

Sr. No	Year and Branch	Subject	Experiment Title	Name of Equipment, Software available to Conduct the Experiment
1	SE IT (Term –II)	Programming Lab L- II	Implementation of class with member function.	PC , TC++ Compiler
2	SE IT (Term –II)	Programming Lab L- II	Function study in C++.	PC , TC++ Compiler
3	SE IT (Term –II)	Programming Lab L- II	Implementation of Constructor & destructor.	PC , TC++ Compiler
4	SE IT (Term –II)	Programming Lab L- II	Implementation of friend function.	PC , TC++ Compiler
5	SE IT (Term -II)	Programming Lab L- II	Polymorphism: Function overloading	PC , TC++ Compiler
6	SE IT (Term –II)	Programming Lab L- II	Implementation of Inheritance:- -Single Inheritance. -Multiple Inheritance. -Hybrid Inheritance. -Hierarchical Inheritance.	PC , TC++ Compiler
7	SE IT (Term –II)	Programming Lab L- II	Program in Java: To find volume of box.	PC, JDK Kit
8	SE IT (Term –II)	Programming Lab L- II	Program in Java: Various operation on stack	PC, JDK Kit
9	SE IT (Term –II)	Programming Lab L- II	Java Applet program.	PC, JDK Kit
10	SE IT (Term –II)	Programming Lab L- II	Program in C# : Sorting the numbers	PC, Visual Studio.NET
11	SE IT (Term –II)	Programming Lab L- II	Program in C# : Summation of numbers.	PC, Visual Studio.NET
12	SE IT (Term –II)	Programming Lab L- II	Program in C#: Illustrating class & objects.	PC, Visual Studio.NET

Sr. No	Year and Branch	Subject	Experimental Title	Name of Equipment, Software available to Conduct the Experiment
1.	T.E. IT (Term – II)	Database Management Systems	Creating a sample database application using conventional file processing mechanism and "C" language. The program should provide facilities for retrieving adding. Deleting and modifying records	PC, TC Compiler
2.	T.E. IT (Term – II)	Database Management Systems	Prepare an E-R diagram for the given problem definition. Prepare and verify a relational database design using concepts of normalization techniques in appropriate normal form.	Study Experiment
3.	T.E. IT (Term – II)	Database Management Systems	Creating a sample database file and indexes (for the design made in experiment No.2) using any client server RDBMS (oracle / Sybase) package using SQL DDL queries. This will include constraints (Key reference etc.) to be used while creating tables.	PC, Oracle 8/8i/9i
4.	T.E. IT (Term – II)	Database Management Systems	SQL DML queries: Use of SQL DML queries to retrieve, Insert, delete and update the database created in experiment No. 3. The queries should involve all SQL features such as aggregate functions, group by. Having, order by. Sub queries and various SQL operators.	PC, Oracle 8/8i/9i
5.	T.E. IT (Term – II)	Database Management Systems	PL SQL: Fundamentals of cursors, stored procedures, stored functions.	PC, Oracle 8/8i/9i
6.	T.E. IT (Term – II)	Database Management	Screen design and Report generation: Sample forms and	PC, Visual Basic,Oracle 8/8i/9i

		Systems	reports should be generated using Developer 2000 (in case of Oracle) or through Power builder or Visual basic front-end tools or any prototyping software engineering tool.	
7.	T.E. IT (Term – II)	Database Management Systems	Prototype of OODBMS/ Active database / Temporal Database in C++	PC, Oracle 8/8i/9i

Sr. No	Year and Branch	Subject	Experiment Title	Name of Equipment, Software available to Conduct the Experiment
1	B.E. IT (Term – II)	Data Warehousing and Mining	Study of OLTP and OLAP Design.	Study Experiment
2	B.E. IT (Term – II)	Data Warehousing and Mining	Creation of table and execute simple query.	PC, Oracle 9i, Visual Basic/MS Access.
3	B.E. IT (Term – II)	Data Warehousing and Mining	Execution of Complex queries in SQL.	PC, Oracle 9i, Visual Basic/MS Access.
4	B.E. IT (Term – II)	Data Warehousing and Mining	Execution of PL_SQL Statement.	PC, Oracle 9i, Visual Basic/MS Access.
5	B.E. IT (Term – II)	Data Warehousing and Mining	Study assignment on DWH and Datamining.	PC, Oracle 9i, Visual Basic/MS Access.
6	B.E. IT (Term – II)	Data Warehousing and Mining	Case Study of DWH in Lexistrauss.	PC, Oracle 9i, Visual Basic/MS Access.

Name of Lab: - Lab no. 4/ Multimedia Lab

Sr. No	Year and Branch	Subject	Experiment Title	Name of Equipment, Software available to Conduct the Experiment
1	B.E. IT (Term – II)	Internet Security	Program for encryption and Decryption.	PC,TC Compiler/JDK Kit
2	B.E. IT (Term – II)	Internet Security	Program for snooping of files.	PC,TC Compiler/JDK Kit
3	B.E. IT (Term – II)	Internet Security	Implementation of Compression and Decompression.	PC,TC Compiler/JDK Kit
4	B.E. IT (Term – II)	Internet Security	Program for authentication using password.	PC,JDK Kit
5	B.E. IT (Term – II)	Internet Security	Study of Firewall	Study Experiment
6	B.E. IT (Term – II)	Internet Security	Study of Windows 2000 Active Directory System	Study Experiment

Sr. No	Year and Branch	Subject	Experimental Title	Name of Equipment, Software available to Conduct the Experiment
1.	T.E. I.T. (Term – II)	Software Engineering	Study of Railway Reservation system	PC, Rational Rose Software
2.	T.E. I.T. (Term – II)	Software Engineering	Study of Library System	PC, Rational Rose Software
3.	T.E. I.T. (Term – II)	Software Engineering	Study of Student Mark sheet System	PC, Rational Rose Software
4.	T.E. I.T. (Term – II)	Software Engineering	Study of Employee Payroll System	PC, Rational Rose Software

Sr. No.	Year and Branch	Subject	Experimental Title	Name of Equipment, Software available to Conduct the Experiment
1.	T.E. I.T (Term – II)	Web Designing	Detail study of at least one of the Web Servers: PWS, IIS, Apache, Java Web server.	PC, Win98/2000 Professional, PWS, IIS, HTML.
2.	T.E. I.T (Term – II)	Web Designing	Detail study of and HTML, Authoring Tool: Netscape Composer / Front page / First page etc.	PC, Win98/2000 Professional, PWS, IIS, HTML.
3.	T.E. I.T (Term – II)	Web Designing	Detail study of One Imaging Tool like Adobe Photoshop, Ulead Photo Impact or decided by the teacher and one animation tool like Ulead GIF animator or Equivalent Animator Software.	PC, Win98/2000 Professional, Adobe Photo Shop6.0, HTML.
4.	T.E. I.T (Term – II)	Web Designing	Design, Publish a Website with not less than 15 full size pages for a selected topic (Commercial, Institute, Portal or decided jointly by the student and teacher). Exercise the Web Mastering Skills in various phases of the development of the site.	PC, Win98/2000 Professional, PWS, IIS, HTML.
5.	T.E. I.T (Term – II)	Web Designing	Develop an XML application for Inventory Control, Museum Information System or on the topic given by the teacher	PC, Win98/2000 Professional, PWS, IIS, XML.
6.	T.E. I.T (Term – II)	Web Designing	Design Active Web Page Using any Scripting Language.	PC, Win98/2000 Professional, PWS, IIS, HTML.

Sr. No	Year and Branch	Subject	Experiment Title	Name of Equipment, Software available to Conduct the Experiment
1	SE I.T. (Term – II)	Microprocessor - I	Program to generate reverse string of a given string	PC, MASM
2	SE I.T. (Term – II)	Microprocessor - I	Program for password using MACRO	PC, MASM
3	SE I.T. (Term – II)	Microprocessor - I	Addition of two 8 bit numbers	PC, MASM
4	SE I.T. (Term – II)	Microprocessor - I	Addition of two 16 bit numbers	PC, MASM
5	SE I.T. (Term – II)	Microprocessor - I	Addition of two 8 bit numbers using NEAR procedure	PC, MASM
6	SE I.T. (Term – II)	Microprocessor - I	2-digit BCD to HEX conversion	PC, MASM
7	SE I.T. (Term – II)	Microprocessor - I	4-digit BCD to HEX conversion using FAR procedure	PC, MASM
8	SE I.T. (Term – II)	Microprocessor - I	HEX to BCD conversion	PC, MASM
9	SE I.T. (Term – II)	Microprocessor - I	Program for BCD addition	PC, MASM

A) Facilities for conducting Practicals in the Laboratories

Name of Course:- E.& TC. Class:- F.E . Subject:- Elements of Electronics Engg.

Name of the Department / Section :- Electronics and Telecommunication

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
1	Study of measuring instrument	a. Multimeter b. Power Supply c. Kit	02 01 01	02 01 01	Yes
2	Color coding of R L C	a. chart	01	01	Yes
3	Testing of diode & V/I chr. Of P N diode & zener diode	a. Multimeter b. Power Supply c. Kit	01 01 01	01 01 01	Yes
4	Study of C R O	a. C R O b. Function Generator	01	01	Yes
5	Study of Half wave & full Wave Rectifier	a. Multimeter b. Kit	02 01	02 01	Yes
6	Inv. & Non Inv. Amp using Op-amp	a. Multimeter b. Power Supply c. Kit d. Function Generator	02 01 01	02 01 01	Yes
7	Study of Logic Gates	a. Power Supply b. Kit	01 01	01 01	Yes
8	Implementation of Boolean Expression using Gates	a. Power Supply b. Kit	01 01	01 01	Yes

A) Facilities for conducting Practicals in the Laboratories

Name of Course : Class:- F.E . Subject:- Elements of Electrical Engineering. Sem II

Name of the Department / Section :- Electronics and Telecommunication

Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
1	Study of electrical symbol& Component	a. chart	01	01	Yes
2	Verification of kirchhoffs Laws	a. Multimeter b. Power Supply c. Kit	01 01 01	01 01 01	Yes
3	Study of R-L-C Series Cricuit.	a. Multimeter b. Function generator c. Kit	01 01 01	01 01 01	Yes
4	Study of R-L-C Parallel Cricuit.	a. Multimeter b. Function generator c. Kit	01 01 01	01 01 01	Yes
5	Study of Fluoresent tube & Mercury Lamp	a. lamps	01	01	Yes

Name of the Course : E & TC Class:- F.E . Subject:- Introduction To Computing

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
01	Study Of Motherboard With It's All Component Detail	Motherboard	01	01	Yes
02	Study Of I/O Devices: Keyboard, Mouse, Printer, Scanner.	Keyboard, Mouse, Printer, Scanner	01	01	Yes
03	Search For An Information On Internet	Internet Connection And Computer	01	01	Yes
05	Creationof E-Mail Account	Internet Connection And Computer	01	01	Yes
06	Prepare A Document Using Ms-Word	Ms-Word Software And Computer	01	01	Yes
07	Ceaate A Presentation Using Ms Power Point	Ms Power Point Software And Computer	01	01	Yes
08	Write A Progarm In C To Accept & Display Personal Details Of User	'C' Language Software And Computer	01	01	Yes
09	Write A Progarm In C To Perform Arithmatic Operationon Given Data	'C' Language Software And Computer	01	01	Yes
10	Find Largest Andsmallest No. In An Array	'C' Language Software And Computer	01	01	Yes
11	Write A Progarm In C For Searching An Element In An Array	'C' Language Software And Computer	01	01	Yes
12	Write A Progarm In C For Sorting The Element In An Array	'C' Language Software And Computer	01	01	Yes

Item No.26

A) Facilities for conducting Practicals in the Laboratories

Name of Course : Class:- S.E . Subject:- Network and Lines**.**

Name of the Department / Section :- Electronics and Telecommunication

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

SR No	Name of Experiment	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required each	Available each	
1	Verification of Thevenins and Nortons theorem for a two port reactive network.	a. Multimeter b. Power supply c. Function Generator	01	01	Yes
2	Maximum Power Transfer theorem.	a. Multimeter b. Power supply c. Function Generator	01	01	Yes
3	Series and parallel resonance- BW and Q factor	a. Multimeter b. Power supply c. Function generator	01	01	Yes
4	Frequency response of constant k filters and find out cut of frequency.	a. Power supply b. Multimeter c. Function generator	01	01	Yes
5	Frequency response of m derived filters and find out cut of frequency.	a. Multimeter b. Function generator	01	01	Yes
6	Frequency response of band pass filter	a. Function generator b. CRO	01	01	Yes
7	Design build and test symmetricalTorΠ attenuator (plot attenuation Vs RL)	a. Function generator b. CRO c. Multimeter	01	01	Yes
8	To study the transient response of second order circuit	a. Function generator b. Multimeter	01	01	Yes

Item No.26

A) Facilities for conducting Practicals in the Laboratories

Name of Course : _____ Class:- S.E . Subject:- Electronics Instrumentation.

Name of the Department / Section :- Electronics and Telecommunication

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required each	Available each	
1	Wheatstone bridge	a. Kit, b. CRO c. DMM	01 01 01	01 01 01	Yes
2	Kelvin bridge	a. Kit, b. CRO c. DMM	01 01 01	01 01 01	Yes
3	Hay bridge	a. Kit, b. CRO c. DMM	01 01 01	01 01 01	Yes
4	Schering bridge	a. Kit, b. CRO c. DMM	01 01 01	01 01 01	Yes
5	Wein bridge	a. Kit, b. CRO c. DMM	01 01	01 01	Yes
6	Study of Digital Voltmeter	a. Voltmeter b. Function generator	01 01	01 01	Yes
7	Linear variable transformer	a. LVDT Kit b. Multimeter c. C.R.O	01 01 01	01 01 01	Yes Yes Yes
8	Application of Thermister in temp.control	a. Kit. b. Multimeter	01 01	01 01	Yes Yes

Item No.26

A) Facilities for conducting Practicals in the Laboratories

Name of Course : _____ Class:- S.E . Subject:- Semiconductor Devices & Circuits.

Name of the Department / Section :- Electronics and Telecommunication

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required each	Available each	
1	For a half wave rectifier with capacitor filter find line and load regulation and ripple factor	CRO Multimeters Transformer DRB Exprimental kit/Bread Board	01 02 01 01 01	01 01 01 01 01	Yes
2	For a bridge rectifier with capacitor filter find line and load regulation and ripple factor	a. CRO b. Multimeters c. Transformer d. DRB e. Exprimental kit/Bread Board	01 02 01 01 01	01 01 01 01 01	Yes
3	For full wave rectifier with capacitor filter find line and load regulation and ripple factor	CRO Multimeters Transformer DRB Exprimental kit/Bread Board	01 02 01 01 01	01 01 01 01 01	Yes
4	Determine h-parameters for CE configuration	CRO Function generator Power supply Exprimental kit/Bread Board Multimeters	01 01 01 01 02	01 01 01 01 02	Yes
5	Determination of I/P & O/P impedance & voltage gain of CE-CC Stage	a. CRO b. Function generator c. Power supply d. Exprimental kit/Bread Board	01 01 01 01	01 01 01 01	Yes
6	Determination of I/P & O/P impedance & voltage gain Darlington ckt with & without bootsd]trapping.	a. CRO b. Function generator c. Power supply d. Exprimental kit/Bread Board	01 01 01 01	01 01 01 01	Yes
7	To plot Characteristic of FET	a. Function generator b. Power supply c. Exprimental kit/Bread Board d. Multimeters	01 01 01 02	01 01 01 02	Yes
8	Determine I/P and O/P impedances and voltage gain and current gain for CSFET	a. CRO b. Function generator c. Power supply d. Exprimental kit/Bread Board e. Multimeter	01 01 01 01 01	01 01 01 01 01	Yes
9	Plot characteristics of CSDMOSFET	a. CRO b. Function generator c. Power supply d. Exprimental kit/Bread Board e. Multimeters	01 01 01 01 02 01	01 01 01 01 02 01	Yes
10	Square wave testing of an amplifier used to find lower and higher cut off frequency	CRO Function generator Power supply	01 01 01	01 01 01	Yes

		Exprimental kit/Bread Board	01	01	
11	For two cascaded CE-CE stages, find voltage gain and bandwidth.	CRO Function generator Power supply Exprimental kit/Bread Board	01 01 01 01	01 01 01 01	**Yes**
12	For cascode amplifier determine voltage gain and bandwidth	CRO Function generator Power supply Exprimental kit/Bread Board	01 01 01 01	01 01 01 01	Yes
13	Study frequency response of CSFET	a. CRO b. Function generator c. Power supply d. Exprimental kit/Bread Board	01 01 01 01	01 01 01 01	Yes
14	Study the effect of bypass capacitor on frequency response of single stage CE amplifier	a. CRO b. Function generator c. Power supply d. Exprimental kit/Bread Board	01 01 01 01	01 01 01 01	Yes

A) Facilities for conducting Practicals in the Laboratories

Name of Course : _____ Class:- S.E . Subject:- Digital Circuit & Logic Design .

Name of the Department / Section :- Electronics and Telecommunication

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required each	Available each	
1	Boolean function using NAND gate	IC 7400 Power supply Bread board	01 01 01	01 01 01	Yes
2	Segement display using IC 7447.	IC 7447 Power supply Bread board	01 01 01	01 01 01	Yes
3	Binary- Gray code conv.	IC 7486 Power supply Bread board	01 01 01	01 01 01	Yes
4	Four bit binary adder using IC 7483	IC 7483 Power supply Bread board	01 01 01	01 01 01	Yes
5	Verification of Mux& Demux	IC 74151 & 74154 Power supply Bread board	01 01 01	01 01 01	Yes
6	Implementation of given expression by using MUX	IC 74151 Power supply Bread board	01 01 01	01 01 01	Yes
7	Implementation of given expression by using Demux	IC 74154 Power supply Bread board	01 01 01	01 01 01	Yes
8	Decade Counter using IC 7490	a. IC 7490 b. Power supply c. Bread board	01 01 01	01 01 01	Yes

A) Facilities for conducting Practicals in the Laboratories

Name of Course : _____ Class:- S.E . Subject:- ECM.

Name of the Department / Section :- Electronics and Telecommunication

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
1	Load test on DC Shunt motor	a. Motor generator set b. Ammeter c. Voltmeter d. Load bank e. Techometer f. Rheostat	01 02 02 01 01	01 02 02 01 01	Yes
2	Load test on DC Series motor	a. Motor generator set b. Ammeter c. Voltmeter d. Load bank e. Techometer f. Set series g. Rheostat	01 02 02 01 01 - 1	01 02 02 01 01 - 1	Yes
3	Load test on 3 phase I.M.	a. Motor generator set b. Ammeter c. Voltmeter d. Load bank e. Techometer f. Watt meter g. Rheostat	01 02 02 01 01 02 1	01 02 02 01 01 02 1	Yes
4	Speed control of DC shunt motor.	a. Motor generator set b. Ammeter c. Voltmeter d. Techometer e. Rheostat	01 01 01 01 1	01 01 01 01 1	Yes
5	Measurement of active power by 2 watt meter method	a. Watt meter b. Ammeter c. Voltmeter d. Load bank e. Rheostat	02 01 02 01 1	02 01 02 01 1	Yes
6	V & A curve of synchronous machines	a. Sync. Motor,Alt b. Ammeter c. Voltmeter d. P.F. meter e. Techometer	01 02 02 01 01	01 02 02 01 01	Yes
7	Load test on sync.motors	a. Sync. motor b. Ammeter c. Voltmeter d. Techometer	01 01 02 01	01 01 02 01	Yes
8	Study of starters	a. Starter	01	01	Yes
9	Open circuit & short circuit test on 1-phase Xmer	a. Xmer b. Ammeter c. Voltmeter	01 01 01	01 01 01	Yes
10	Study of Single Phase Motor	Induction Motor Universal Motor	1 1	1 1	Yes

A) Facilities for conducting Practicals in the Laboratories

Name of Course : _____ Class:- S.E . Subject:- Analog Communication.

Name of the Department / Section :- Electronics and Telecommunication

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title Group A	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required each	Available each	
1 2	AM Modulator & AM Demodulator	Exp. Kit, CRO, Function Generator, Power Supply (Optional)	01 01 02 01	01 01 02 01	Yes
3	FM Transmitter	Exp. Kit, CRO, Function Generator, Power Supply (Optional)	01 01 02 01	01 01 02 01	Yes
4	FM Reciver	a. Exp. Kit, b. CRO, c. Power Supply (Optional)	01 01 01	01 01 01	Yes
5	BJT Mixer	a. Exp. Kit, b. CRO, c. Function Generator, Power Supply (Optional)	01 01 01 01 01	01 01 01 01 01	Yes
6	Super Heterodyne receiver	a. Exp. Kit, b. CRO, c. Function Generator, d. Power Supply (Optional)	01 01 01 01 01	01 01 01 01 01	Yes
7	IF Amplifier	a. Exp. Kit, b. CRO, c. Function Generator, d. Power Supply (Optional)	01 01 01 01 01	01 01 01 01 01	Yes
8	Calculation of Gain for RF amplifier	a. Exp. Kit, b. CRO, c. Function Generator, d Power Supply (Optional)	01 01 01 01 01	01 01 01 01 01	Yes
9	Study of TV system	a. Exp. Kit b. CRO c Function Generator, d Power Supply (Optional)	01 01 02 01	01 01 02 01	Yes

A) Facilities for conducting Practicals in the Laboratories

Name of Course : _____ Class:- S.E . Subject:- Electronics Workshop

Name of the Department / Section :- Electronics and Telecommunication

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	**Quantity**		**Whether expt can be conducted**
			Required each	**Available each**	
1	Study of Multimeters	a. CRO, b. Function Generator, c. Power Supply, d. Multimeter e. Demo Kit	01 01 01 01	01 01 01 01	Yes
2	Study of Power supply	CRO, Function Generator, Power Supply, Demo Kit	01 01 01 01	01 01 01 01	Yes
3	Study of Cathode Ray Oscilloscope (C.R.O.)	CRO, Function Generator, Power Supply, Multimeter	01 02 02 02	01 02 02 02	Yes
4	Study of signal generator	a. CRO, b. Function Generator, c. Multimeter, d. Kit	01 02 02 02	01 02 02 01	Yes
5	Study of passive components	a. CRO, b. Function Generator, c. Decade box, d. Power Supply	01 01 01 01	01 01 01 01	Yes
6	Study of Active component	a. Kit, b. CRO, c. Power supply	01 01 01	01 01 01	Yes
7	Study of hardware components	a. CRO, b. Function Generator, c. Power Supply, d. Kit	01 01 01 01	01 01 01 01	Yes
8	a.Build and test any basic electronic circuit on bread board . b.Preparation of artwork and layout of above circuit . Preparation of its PCB and testing the circuit.	a. CRO, b. Function Generator, c. Power Supply, d. Kit	01 01 01 01	01 01 01 01	Yes

A) Facilities for conducting Practicals in the Laboratories

Name of Course : _____ Class:- S.E . Subject:- Electronic Circuits and Applications.

Name of the Department / Section :- Electronics and Telecommunication

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title GROUP A	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required each	Available each	
1	Emitter Coupled Differential Amplifiers Calculation of CMRR using emitter resistance	a. CRO, b. Function Generator, c. Dual Power Supply, d. Kit e. Digital multimeter	01 01 01 01 01	01 01 01 01 01	Yes
2	Emitter Coupled Differential Amplifiers Calculation of CMRR using Constant current source	a. CRO, b. Function Generator, c. Dual Power Supply, d. Kit	01 01 01 01	01 01 01 01	Yes
3	Plot frequency response of single tuned amplifiers	a. CRO, b. Function Generator, c. Power Supply, d. kit.	01 01 01 01	01 01 01 01	Yes
4	Measure the response of Schmitt trigger circuit for a sine wave input observe Hysteresis characteristics, calculation of UTP, LTP	a. CRO, b. Function Generator, c. Power supply d. Kit	01 01 01 01	01 01 01 01	Yes
5	Line and Load regulation of a series regulator	a. CRO, b. Auto transformer, c. Decade box, d. Power Supply e. multimeter	01 01 01 01 02	01 01 01 01 02	Yes
6	Plot frequency response of voltage series / voltage shunt feedback amplifiers calculation of bandwidth with and without feedback	CRO, Function Generator, Power supply Kit	01 01 01 01	01 01 01 01	Yes
7	Study of oscillators circuits L C oscillators, Hartley, Clapp/Colpitts	CRO, Power Supply, Kit	01 01 01	01 01 01	Yes
8	Determination of frequency and output voltage of crystal oscillator	a. CRO, b. Power Supply, c. Kit	01 01 01	01 01 01	Yes
9	Effect of feedback on Ri, Ro and Av for voltage series feedback amplifier	a. CRO, b. Function Generator, c. Power Supply, d. Kit	01 01 01 01	01 01 01 01	Yes
10	To observe and elimination of crossover distortion in complimentary symmetry class B amplifier	a. CRO, b. Function Generator, c. Power Supply, d. Kit	01 01 01 01	01 01 01 01	yes
11	Q point, Ad, Ac and CMRR measurement for BJT differential amplifier	a. CRO, b. Function Generator, c. Power Supply, d. Digital multimeter e. Kit	01 01 01 01 01	01 01 01 01 01	yes
12	Low and High voltage measurement and regulation characteristics using LM723	a. CRO, b. Auto transformer, c. Decade box, d. Power Supply e. multimeter	01 01 01 01 02	01 01 01 01 02	Yes
13	IC 317 for fixed o/p & Adj voltage Regulator	a. Auto transformer, b. Decade box, c. Power Supply d. multimeter	1 1 1 1	1 1 1 1	Yes

14	Voltage Doubler Circuit	a. Function Generator, b. DRB c. Digital multimeter	1 1 1	1 1 1	Yes

A) Facilities for conducting Practicals in the Laboratories

Name of Course : _____ Class:- S.E . Subject:- Software Application -I

Name of the Department / Section :- Electronics and Telecommunication

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	**Quantity**		**Whether expt can be conducted**
			Required each	**Available each**	
1	Bisection method, Newton Raphson method using users defined functions	C-language software,PC	01	01	Yes
2	Solve differential equations by Euler's modified method	C-language software,PC	01	01	Yes
3	Simpson's 1/3 and 3/8 rule	C-language software,PC	01	01	Yes
4	Two stage amplifiers	Or-CAD,PC	01	01	Yes
5	RLC Series Resonancs	Or-CAD,PC	01	01	Yes
6	Full Adder using Or-CAD	Or-CAD,PC	01	01	Yes
7	Study of MATLAB	MATLAB Software ,PC	1	1	Yes

Item No.26

A) Facilities for conducting Practicals in the Laboratories

Name of Course : _____ Class:- S.E .Subject:- **Analog & Digital Electronics.**

Name of the Department / Section :- Electrical Engg.

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required each	Available each	
1	OPAMP as square wave / sine wave generator.	a. Dual Power Supply b. Exprimentak kit/Bread Board c. CRO	01 01 01	01 01 01	Yes
2	OPAMP as a Schmitt Trigger.	a. Dual Power Supply b. Function generator c. CRO d. Kit	01 01 01 01	01 01 01 01	Yes
3	Instrumentation Amplifier using 3-OPAMP.	a. Dual Power Supply b. CRO c. Function generator d. Exprimental kit.	01 01 01 01	01 01 01 01	Yes
4	Astable Multivibrator using IC 555	a. CRO b. Power supply c. Exprimentak kit.	01 01 01	01 01 01	Yes
5	Study of JK Flipflop	a. Function generator b. Power supply c. Bread Board	01 01 01	01 01 01	Yes
6	Study Of UP-Down Counter	a. Function generator b. Power supply c. Bread Board	01 01 01 01	01 01 01 01	Yes
7	Study of IC-723 as a Voltage Regulator.	a. Multimeter b. Power supply c. Bread Board d. Decade Resistance Box	02 01 01 01	02 01 01 01	Yes
8	IC 7805 as a Voltage Regulator.	a. Multimeter b. Power supply c. Bread Board d. Decade Resistance Box	02 01 01 01	02 01 01 01	Yes

Item No.26

A) Facilities for conducting Practicals in the Laboratories

Name of Course : Computer Engg Class:- S.E . Subject:- Analog electronics

Name of the Department / Section :- Electronics and Telecommunication

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required each	Available each	
1	Superposition &Thevenins theorem	a. Dual power supply b. Multimeters	01 02	01 01	Yes
2	Square wave testing of an amplifier	a. Power supply b. CRO c. Function generator d. Exprimentak kit/Bread Board	01 01 01 01	01 01 01 01	Yes
3	Frequency response of single stage amplifier	a.CRO b. Function generator c. Exprimentak kit/Bread Board d. power supply	01 01 01 01	01 01 01 01	Yes
4	Frequency response of CE-CC amplifier	a. CRO b. Function generator c.Power supply d. Exprimentak kit/Bread Board	01 01 01 01	01 01 01 01	Yes
5	Differential, common & CMRR of BJT differential amplifier	a. CRO b. Function generator c. Dual Power supply d. Exprimentak kit/Bread Board	01 01 01 01	01 01 01 01	Yes
6	Frequency response of FET amplifier	a. CRO b. Function generator c. Power supply d. Exprimentak kit/Bread Board	01 01 01 01	01 01 01 01	Yes
7	Load regulation characteristics of transistor series regulator	a. CRO b. Function generator c. Power supply d. Exprimentak kit/Bread Board	01 01 01 01	01 01 01 01	Yes
8	Adjustable o/p &C/n regulation	a. Power supply b. Exprimentak kit/Bread Board c. multimeter	01 01 02	01 01 02	Yes

Name of the Course : E & TC **Class:- T.E .** **Subject:- AICA**.

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
1	Op-amp Integrator /Differentiator	a. Function Gen b. Dual P/S c. CRO d. Kit	1 1 1 1	1 1 1 1	Yes
2	Precision Half Wave Rectifier & Full Wave Rectifier	a. Function gen b. Dual P/S c. Multimeter d. CRO e. Kit	1 1 1 1 1	1 1 1 1 1	Yes
3	Op-amp Clamper Circuit	a. Function gen b. Dual P/S c. Multimeter d. CRO e. Kit	1 1 1 1 1	1 1 1 1 1	Yes
4	Square Wave/ Traingular Wave Generator	a. Dual P/S b. Multimeter c. CRO d. Kit	2 1 1 1	2 1 1 1	Yes
5	Schmitt Trigger using OP-amp	a. Function Gen b. Dual P/S c. CRO d. Kit	1 1 1 1	1 1 1 1	Yes
6	IC-555 as a Astable & Monostable Multivibrator	a. Function Gen b. Dual P/S c. CRO d. Kit	1 1 1 1	1 1 1 1	Yes
7	To study the operation of function generator IC 8038.	a. Function Gen b. Dual P/S c. CRO d. Kit	1 1 1 1	1 1 1 1	Yes
8	To design & test second order LP/HP filter.	a. Function Gen b. Dual P/S c. Multimeter d. CRO e. Kit	1 1 1 1 1	1 1 1 1 1	Yes
9	To setup DAC ckt. Using IC AD 558 and study its performance	a. LED b. Power Supply c. Kit	1 1 1	1 1 1	Yes
10	To design & test second order Butterworth LP/HP filter.	a. Function Gen b. Dual P/S c. Multimeter d. CRO e. Kit	1 1 1 1 1	1 1 1 1 1	Yes

Name of the Course : E & TC **Class:- T.E .** **Subject:- MMS**.

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
1	Write and Execute program to flash LED.	a. Computer with 8051 Simulator b. Kit with RS 232C c. Power Supply	1 1 1	1 1 1	Yes
2	Write and Execute program to display 0 to 9 continuously on 7-Segment display	a. Computer with 8051 Simulator b. Kit with RS 232C c. Power Supply	1 1 1	1 1 1	Yes
3	Write and Execute program to demonstrate interfacing of 4 X 4 matrix Key-Board.	a. Computer with 8051 Simulator b. Kit with RS 232C c. Power Supply	1 1 1	1 1 1	Yes
4	Write and Execute program to demonstrate interfacing of multiplexed 7-Segment display.	a. Computer with 8051 Simulator b. Kit with RS 232C c. Power Supply	1 1 1	1 1 1	Yes
5	Write and Execute program to demonstrate interfacing of Liquid Crystal display.	a. Computer with 8051 Simulator b. Kit with RS 232C c. Power Supply	1 1 1	1 1 1	Yes
6	Write and Execute program to demonstrate interfacing of DAC.	a. Computer with 8051 Simulator b. Kit with RS 232C c. Power Supply	1 1 1	1 1 1	Yes
7	Write and Execute program to demonstrate interfacing of ADC.	a. Computer with 8051 Simulator b. Kit with RS 232C c. Power Supply	1 1 1	1 1 1	Yes
8	Write and Execute program to demonstrate interfacing of Stepper Motor.	a. Computer with 8051 Simulator b. Kit with RS 232C c. Power Supply	1 1 1	1 1 1	Yes
9	Write and Execute program to demonstrate Serial data Transmission.	a. Computer with 8051 Simulator b. Kit with RS 232C c. Power Supply	1 1 1	1 1 1	Yes
10	Write and Execute program to demonstrate Serial data Reception.	a. Computer with 8051 Simulator b. Kit with RS 232C c. Power Supply	1 1 1	1 1 1	Yes

Name of the Course : E & TC Class:- T.E . Subject: - Software Applicatoins-ll

Name of the Department / Section: - Electronics and Telecommunication

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
1	To find voltage & current of given network using simulation tool.	PC, ORCAD Software.	01	01	Yes
2	To find transfer / driving point impedance of two port network.	PC, ORCAD Software.	01	01	Yes
3	To design & test active filter.	PC, ORCAD Software.	01	01	Yes
4	To find the pole zero plot of the given network.	PC, MATLAB Software.	01	01	Yes
5	To find the polar / Nyquist plot of the given network.	PC, MATLAB Software.	01	01	Yes
6	To obtain transient response & characteristics of any given network.	PC, ORCAD Software.	01	01	Yes
7	To find the Radiation pattern of antenna &study the effect of varying parameters.	PC, MATLAB Software.	01	01	Yes

Name of the Course : E & TC Class:- T.E . Subject:- Network Analysis and Synthesis.

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
1	To verify the thevenins theorem	a. Bread board b. DMM c. P/S d. CRO e. Fun generator	01	01	YES
2	Determine voltage &c/n transfer fun.of given two port reactive n/w	a. Bread board b. DMM c. P/S d. Fun.generator	01	01	YES
3	Measurment of z-parameter	a. Bread board b. DMM c. P/S	01	01	YES
4	Measurment of y-parameter	a. Bread board b. DMM c. P/S	01	01	YES
5	Measurment of abcd parameter	a. Bread board b. DMM c. P/S	01	01	YES
6	Second order low pass butter filter	a. P/S b. CRO c. Fun generator d. Kit	01	01	YES
7	Study of chebushiv filter.	a. Kit b. P/S c. CRO d. Function generator	01	01	YES
8	Second order high pass butter filter	a. P/S b. CRO c. Fun generator d. Kit	01	01	YES

Name of Course : E.& TC Class:- T.E Subject:- Electronics Measurement.

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
1	LCR Q-Meter	a. LCR Q meter Kit. b. Components.	01	01	Yes
2	Study of Digital Multimeter	a. DMM Kit. b. Power Supply. c. Function Generator.	01	01	Yes
3	Frequency Counter	a. CRO. b. Digital Freq Counter. c. Function Generator.	01	01	Yes
4	Study of Digital Tachometer	a. Digital Tachometer. b. AC/DC Motor.	01	01	Yes
5	Harmonic Distortion factor meter	a. Distortion factor meter. b. CRO. c. Function Generator	01	01	Yes
6	Study of Spectrum Analyzer	a. Spectrum Analyzer. b. Function Generator.	01 01	01 01	NO Yes
7	To study CRO	a. CRO. b. Function Generator. c. Components.	01 01	01 01	Yes
8	Digital storage oscilloscope	a. DSO. b. Function Generator.	01 01	01 01	Yes

Name of the Course : E & TC **Class:- T.E .** **Subject:- ECD**

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
1	Design & implementation of series regulated power supply	a. Designed Components b. Multimeter c. Transformer d. Bread Board	1 1 1 1	1 1 1 1	Yes
2	Design &Implementation of single stage inverting amplifier using FET	a. Function gen b. Single P/S c. Multimeters d. CRO e. Designed Components f. Bread Board	1 1 1 1 1 1	1 1 1 1 1 1	Yes
3	Design &Implementation of Class B push-pull Amplifier	a. Single P/S b. CRO c. Function Generator d. Designed Components e. Bread Board	1 1 1 1 1	1 1 1 1 1	Yes
4	Design &Implementation of Astable Multivibrator	a. Single P/S b. CRO c. Designed Components d. Bread Board	1 1 1 1	1 1 1 1	Yes
5	Design &Implementation of Single Tuned amplifier using BJT	a. Designing Component b. Dual P/S c. Multimeter/CRO d. FG e. Designed Components	1 1 1 1 1	1 1 1 1 1	Yes
6	Design &Implementation of Sallen Key 2^{nd} order LPF	a. Designing Component b. Dual P/S c. Multimeter/CRO d. FG e. Designed Components	1 1 1 1 1	1 1 1 1 1	Yes

Note :- For all above practical consumable component like capacitor, Inductor , Resistor, BJT etc are required which is available as per requirement.

Name of the Course : E&TC. **Class: - T.E.** **Subject:-PE**

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
1	Triggering circuits for SCR using R, RC, UJT firing	a. Kit b. Multimeter c. Powerscope	1 1 1	1 1 1	Yes
2	Driver circuit for IGBT/MOSFET	a. Kit b. Multimeter c. Powerscope	1 1 1	1 1 1	Yes
3	Study of 1- ϕ full controlled bridge converter with R & R-L load	a. Kit b. Multimeter c. Powerscope	1 1 1	1 1 1	Yes
4	Study of I- ϕ Half controlled Bridge with R & R-L Load	a. Kit b. Multimeter c. Powerscope	1 1 1	1 1 1	Yes
5	Study of step-up dc-dc converter	a. Kit b. CRO	1 1	1 1	Yes
6	Study of step-down dc –dc converter	a. Kit b. CRO	1 1	1 1	Yes
7	Study of parallel inverter	a. Kit b. Multimeter c. CRO d. load(25W)	1 1 1 1	1 1 1 1	Yes
8	Study of series inverter	a. kit b. CRO	1 1	1 1	Yes
9	Study of 1- ϕ AC controller	a. kit b. CRO c. Load(200 W)	1 1 1	1 1 1	Yes
10	Line and load regulation of SMPS	a. kit b. Dimmerstate C. DMM	1 1 1	1 1 1	Yes

Name of the Course : E & TC Class:- T.E . Subject:- FCS

Name of the Department / Section :- Electronics and Telecommunication

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
1	AC position control of servomotor	a. Experimental kit	1	1	Yes
2	DC position control of servomotor	a. Experimental kit	1	1	Yes
3	Study of synchros to observe angular displacement	a. Experimental kit	1	1	Yes
4	Transient response of RLC electrical network	a. Experimental kit b. CRO	1	1	Yes
5	Study of stepper motor	a. Experimental Kit	1	1	Yes
6	Study of Tachometer	a.Experimental Kit	1	1	Yes
7	Determine the magnitude & phase plot of electrical network	a. Matlab software	-	-	Yes
8	Study of flow control using PID controller	a. Experimental kit b. Multimeter	1	1	Yes

Name of the Course:- E & TC Class:- T.E . Subject:-Digital Communication

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	**Quantity**		**Whether expt can be conducted**
			Required	Available	
01	Sampling Theorem	a. CRO b. Kit c. Fun Generator	01 01 01	01 01 01	Yes
02	Delta Modulation	a. CRO b. Kit c. Fun Generator	01 01 01	01 01 01	Yes
03	Adaptive Delta Modulation	a. CRO b. Kit c. Fun Generator	01 01 01	01 01 01	Yes
04	Line coding & Decoding	a. CRO b. Kit c. Fun Generator	01 01 01	01 01 01	Yes
05	Frequency shift keying	a. CRO b. Kit c. Fun Generator	01 01 01	01 01 01	Yes
06	Binary Phase Shift Keying	a. CRO b. Kit c. Fun Generator	01 01 01	01 01 01	Yes
07	Quadrature Phase Shift Keying	a. CRO b. Kit c. Fun Generator	01 01 01	01 01 01	Yes
08	Quadrature Amplitude Modulation	a. CRO b. Kit c. Fun Generator	01 01 01	01 01 01	Yes

Name of Course E.& TC.: **Class:- B.E .** **Subject:- Television and Consumer Electronics**

Name of the Department / Section :- Electronics and Telecommunication

Subjectwise & laboratorywise Lists of material, machinery, equipment & Instrument required to perform prescribed Practicals

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
1	Study of T.V. receiver	a. Trainer Kit b. DMM	01	01	Yes
2	Measurement of voltages in color T .V. receiver	a. Trainer Kit b. DMM	01	01	Yes
3	Fault finding in T.V. color receiver	a. Trainer Kit b. DMM c. Solder Gun	01	01	Yes
4	Fault finding in T.V. COLOR receiver	a. Trainer Kit b. DMM c. Solder Gun	01	01	Yes
5	Study of Public address system	a. PA system b. Mic c. DMM	01	01	Yes
6	Study of Tape recorder	a Trainer Kit b .DMM c CRO	01	01	Yes
7	Waveform analysis on color TV receiver	a. Trainer Kit b. CRO	01	01	Yes
8	Study of CD Player	a. CRO b. DMM c. Trainer Kit	01	01	Yes

Name of Course E.& TC **Class:- B.E .** **Subject:- VLSI design**.

Sr. no.	NAME OF PRACTICALS	Name of equipments	Quantity		Whether conducted
			Required	available	
1	**Simulation and Implementation** Write VHDL code to realize all the logic gates.	a. Computer b. kit	01	01	Yes
2	**Simulation and Implementation** Write a VHDL program for the following combinational designs a. 2- bit comparator b. 3 to 8 decoder c. 4 to 1 multiplexer d. 4 bit binary to gray converter	a. Computer b. kit	01	01	Yes
3	**Simulation and Implementation** Write a VHDL code to describe the functions of a Full Adder Using all modeling styles.	a. Computer b. kit	01	01	Yes
4	**Simulation and Implementation** Develop the VHDL codes for the following flip-flops, SR, D, JK, T.	a. Computer b. kit	01	01	Yes
5	**Simulation and Implementation** Design 4 bit binary, BCD counters	a. Computer b. kit	01	01	Yes
6	**Simulation and Implementation** 8 – Bit Left / Right Shift Register.	a. Computer b. kit	01	01	Yes
7	**Simulation and Implementation** Write a model for 4 bit ALU using the schematic	a. Computer b. kit	01	01	Yes
8	**Interfacing** : Write VHDL code to control speed, direction of DC and Stepper motor	a. Computer b. kit	01	01	Yes

Name of Course: E.& TC **Class:- B.E .** **Subject:-** Digital Signal Processing and Processors

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity each		Whether expt can be conducted
			Required Each	Available Each	
1	Basic operations on sequences of equal and unequal lengths.	a. Computer b. Kit	01	01	Yes
2	Sampling of continuous time signal and aliasing effect.	a. Computer b. Kit	01	01	Yes
3	Convolution of two sequence\ Impulse response.	a. Computer b. Kit	01	01	Yes
4	Spectrum of signals using DFT.	a. Computer b. Kit	01	01	Yes
5	Frequency response of LTI Discrete time system.	a. Computer b. Kit	01	01	Yes

6	Designing of FIR Filter.	a. Computer b. Kit	01	01	Yes
7	Designing of IIR Filter.	a. Computer b. Kit	01	01	Yes
8	Sampling audio signal at different sampling rate using DSP kit.	a. Computer b. Kit	01	01	Yes
9	Interfacing with DSP Kit.	a. Computer b. Kit	01	01	Yes
10	Implementation of digital filter using DSP Kit.	a. Computer b. Kit	01	01	Yes
11	Using ADC and DAC for signal acquisition and play back after processing.	a. Computer b. Kit	01	01	Yes

Name of Course: E.& TC Class:- B.E . Subject:- Radiation & Microwave Technique.

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity each		Whether expt can be conducted
			Required	Available	
1	Active device (Gunn diode) characteristics measurement	a. Gunn diode set up b. VSWR meter	01	01	Yes
2	Active device (Reflex klystron) characteristics measurement	a. Reflex klystron set up b. CRO c. VSWR meter	01	01	Yes
3	Study of fixed and variable Attenuator	a. Reflex klystron set up b. Fixed & variable attenuator c. VSWR meter	01	01	Yes
4	Study of circulator and isolator	a. Reflex klystron set up b. Circulator c. Isolator d. VSWR meter	01	01	Yes
5	Study of Microwave junction	a. Reflex klystron set up b. Magic Tee c. VSWR meter	01	01	Yes
6	Study of directional coupler	a. Reflex klystron set up b. Directional coupler c. VSWR meter	01	01	Yes
7	Radiation pattern & Beamwidth of Horn Antenna	a. Horn antenna set up b. VSWR meter	01	01	Yes
8	Frequency &wavelength measurement of reactangular waveguide	a. Reflex klystron set up b. VSWR meter c. CRO	01	01	Yes
9	VSWR Measurement using Double Minima Method	a. Reflex klystron set up b. VSWR meter c. CRO	01	01	Yes

Name of Course : E.& TC Class:- B.E . Subject:- Fiber Optic Comm.

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity each		Whether expt can be conducted
			Required	Available	
1	Electrical characteristics of LED/ID	a. Power supply b. OFC Kit c. CRO d. Ammeter e. voltmeter	01	01	Yes
2	Photometrics characterics of LED/ID	a. Power supply b. OFC Kit c. CRO d. Ammeter e. voltmeter	01	01	Yes
3	Numerical aperture measurment of GI fibre.	a. Power supply b. OFC Kit c. CRO d. Ammeter e. voltmeter	01	01	Yes
4	Attenuation measurment of Fibre.	a. Power supply b. OFC Kit c. CRO d. Ammeter e. voltmeter	01	01	Yes
5	Spectral characteristics of LED/ID	a. Power supply b. OFC Kit c. CRO d. Ammeter e. voltmeter	01	01	Yes
6	Fibre Optics transmitter receiver parameter measurment.	a. Power supply b. OFC Kit c. CRO d. Ammeter e. voltmeter	01	01	Yes
7	Study of fibre optic connectors.	a. Power supply b. OFC Kit c. CRO d. Ammeter e. voltmeter	01	01	Yes
8	Study of PWM	a. OFC Kit b. CRO	01	01	Yes

Name of Course : E.& TC Class:- B.E . Subject:- Telematics.

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity each		Whether expt can be conducted
			Required	Available	
1	Study of Telephone Exchange	Visit to BSNL	--	--	Yes
2	Study of Mobile Hand Set Demonstrator Model.	Block diagram study	--	--	Yes
3	Study of Teleprinter Demonstrator Model.	Visit to BSNL	--	--	Yes
4	Study of FAX Machine Demonstrator Model.	Fax machine	01	01	Yes
5	Study of EPABX system	EPBX system	01	01	Yes
6	Study of subscriber Instrument set.	Subscriber Instrument set CRO	01	01	Yes
7	Study of cordless Telephone set Demonstrator Model.	Block diagram	--	--	Yes
8	Modem Demonstrator Model.	FSK Modeus kit CRO	01	01	Yes

Name of Course : E.& TC Class:- B.E . Subject:- Embedded System.

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity each		Whether expt can be conducted
			Required	Available	
1	C-programs for interrupts	a. Computer b. ARM 7 Kit	01 01	01 01	Yes
2	Program to demonstrate I2C Protocol.	a. Computer b. ARM 7 Kit	01 01	01 01	Yes
3	Program to interface LCD	a. Computer b. ARM 7 Kit	01 01	01 01	Yes
4	Program to demonstrate RF communication OR Program to implement AT commands and interface of GSM modem	a. Computer b. ARM 9 Kit	01 01	01 01	Yes
5	Writing a scheduler / working with using RTOS for 4 tasks with priority. The tasks may be keyboard, LCD, LED etc. and porting it on microcontroller/ microprocessor.	a. Computer b. ARM 7 Kit	01 01	01 01	Yes
6	Create two tasks, which will print some characters on the serial port, Start the scheduler and observe the behavior.	a. Computer b. ARM 7 Kit	01 01	01 01	Yes Yes
7	Program for exploration of (Process creation, Thread creation) using Embedded Real Time Linux	a. Computer b. ARM 7 Kit	01 01	01 01	Yes
8	Program for exploring Message Queues using Embedded Real Time Linux.	a. Computer b. ARM 9 Kit	01 01	01 01	Yes

Name of the Course : Electrical Engineering Class:- B.E . Subject:-Power Electronics

Sr.No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt can be conducted
			Required	Available	
1	Power Factor of half controlled bridge rectifier	a. P/S b. Kit c. Multimeter d. Power Scope	1 1 1 1	1 1 1 1	Yes
2	Power Factor of full controlled bridge rectifier	a. Kit b. Multimeter c. CRO/ Power Scope d. Kit	1 1 1 1	1 1 1 1	Yes
3	Study of DC drives	a. Kit b. CRO	1 1 1 1 1	1 1 1 1 1	Yes
4	Study of AC drives	a. Kit b. Multimeter c. CRO	2 1 1 1	2 1 1 1	Yes
5	Study of parallel inverter	a. Kit b. Multimeter	1 1 1 1	1 1 1 1	Yes
6	Study of series inverter	a. Kit b. CRO	1 1	1 1	Yes
7	Study of step down chopper	a. Kit b. CRO	1 1	1 1	Yes
8	Study of SMPS	a. Kit b. Dimmer state c. DMM	1 1 1	1 1 1	Yes

ELECTRICAL ENGINEERING DEPARTMENT

A) Facilities for conducting Practicals in the Laboratories

Name of the Department / Section :-

Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required to perform prescribed Practical

Name of the Course : Electrical Class:-Second Year

Subject- Electrical Engineering Material

S.N.	Experiment Title	Name of Equipment, Machinery, Instrument required to Conduct Experiment	Quantity		Whether Experiment can be conducted
			Required	Available	
1	Testing of Insulating Oil as per IS	Oil testing Set	01	01	Yes
2	Testing of Solid Insulating Material	Solid Insulating Kit	01	01	Yes
3	Testing of Power Capacitor as per IS	3 Phase Induction Motor Power Capacitor Wattmeter AC Ammeter AC Voltmeter Belt and Balance set	01 01 02 01 01 01	01 01 02 01 01 01	Yes
4	Measurement of resistivity of conducting Material	Conducting wire AC Ammeter Multimeter Load Bank	01 01 01 01	01 01 01 01	Yes
5	Measurement of resistivity of resistance Material	Resistive wire AC Ammeter Multimeter Load Bank	01 01 01 01	01 01 01 01	Yes
6	Study and Use of Gauss Meter	Gauss Meter	01	00	No
7	Use of Spark Gap for measurement of High Voltage	Sphere Gap arrangement High Voltage Generator	01 01	01 01	Yes
8	Study of Seeback and Peltier effects	Seeback & Peltier Kit	01	00	No
9	Study of Hysterias Loop of Ferromagnetic material	DC Shunt motor Generator set DC Ammeter DC Voltmeter Speedometer	01 01 01 01	01 01 01 01	Yes
10	Study of various insulating material	Various Insulating Material	03	03	Yes

Name of Course- Electrical Engineering Class- SE
Subject- AC **Circuit and Transformer**

S.N.	Experiment Title	Name of Equipment, Machinery, Instrument required to Conduct Experiment	Quantity		Whether Experiment can be conducted
			Required	Available	
1	Open Circuit and Short Circuit on Single Phase Transformer	Single Phase Transformer AC Ammeter AC Voltmeter Wattmeter Autotransformer	01 02 02 02 02 01	01 02 02 02 02 01	Yes
2	Polarity Test on Single Phase and 3PhaseTransformer	Single Phase and Transformer AC Voltmeter Autotransformer	01 02 01	01 02 01	Yes
3	Sumpners Test on Two Identical Single Phase Transformer	Single Phase and Transformer AC Voltmeter AC Ammeter Autotransformer	02 02 02 02	02 02 02 02	Yes
4	Parallel Operation of Two Single Phase Transformer	Single Phase and Transformer AC Voltmeter AC Ammeter Autotransformer Lamp Bank	02 02 02 02 01	02 02 02 02 01	Yes
5	Study of connection for three phase transformer	three phase transformer	01	01	Yes
6	V- Connection of Two Single Phase Transformer at no load and balanced load.	Two Single Phase Transformer AC Ammeter AC Voltmeter Autotransformer Lamp Bank	01 02 02 01 01	01 02 02 01 01	Yes
7	T- Connection of Two Single Phase Transformer at no load and balanced load.	Two Single Phase Transformer AC Ammeter AC Voltmeter Autotransformer Lamp Bank	01 02 02 01 01	01 02 02 01 01	Yes
8	Scott Connection of Two Single Phase Transformer at no load and balanced load.	Two Single Phase Transformer AC Ammeter AC Voltmeter Autotransformer Lamp Bank	01 02 02 01 01	01 02 02 01 01	Yes
9	Study of Two Wattmeter Method	3 Phase Induction motor	01	01	Yes

	for Balance & Unbalance three phase load, Effect of load PF on Wattmeter reading in case of balance load	AC Ammeter AC Voltmeter Wattmeter Autotransformer Electrical Load	02 01 02 01 01	02 01 02 01 01	
10	Measurement of Reactive Volt - Ampere in three phase balance load	3 Phase Induction motor AC Ammeter AC Voltmeter Wattmeter Autotransformer	01 02 01 01 01	01 02 01 01 01	Yes
11	Verification of Milliman's Theorems	Millimans Theorems Kit AC Voltmeter AC Ammeter	01 01 01	01 01 01	Yes
12	Study the no load current wave farm of Single phase Transformer on CRO	Single Phase Transformer CRO	01 01	01 00	No

Name of Course Electrical Engineering Class- SE
Subject- Electrical Measurement- I

S.N.	Experiment Title	Name of Equipment, Machinery, Instrument required to Conduct Experiment	Quantity		Whether Experiment can be conducted
			Required	Available	
1	Barlow method of measurement of power using Two Current Transformer	Current Transformer, ammeter, voltmeter, Wattmeter	02 01 01 01	02 01 01 01	Yes
2	Barlow method of measurement of power using Two Potential Transformer	Potential Transformer, ammeter, voltmeter, Wattmeter	02 01 01 01	02 01 01 01	Yes
3	Measurement of power in 3 ph. 4 wire circuit	ammeter, voltmeter, Wattmeter	01 01 02	01 01 02	Yes
4	Calibration of 1phase. Energy meter at different. Power factor	1 Phase Energy meter, ammeter, voltmeter, Wattmeter	01 01 01 01	01 01 01 01	Yes
5	Calibration of	3 Phase Energy	01	01	Yes

	3phase. 2 element at different. Power factors.	meter, ammeter, voltmeter, Wattmeter	01 01 01	01 01 01	
6	Use of DC Potentiometer for calibration of Ammeter and Voltmeter	DC Potentiometer Voltage Ratio Box Voltmeter	01 01 01	01 01 01	Yes
7	Study of Kelvin bridge.	Kelvin Bridge Kit	01	01	Yes
8	Study of Anderson bridge.	Anderson Bridge kit	01	01	Yes
9	Epstein Squire	Epstein Squire	01	00	No
10	Measurement of phase angle error and ratio error in Current Transformer,	Phase angle error and ratio error measurement kit	01	01	Yes
11	Measurement of phase angle error and ratio error in Potential Transformer	Phase angle error and ratio error measurement kit	01	01	Yes
12	Measurement of Earth Resistance	Earth Testing Kit	01	01	Yes

Name of Course Electrical Engineering Class- SE
Subject- Digital Computational Technique & Programming.

S.N.	Experiment Title	Name of Equipment, Machinery, Instrument required to Conduct Experiment	Quantity		Whether Experiment can be conducted
			Required	Available	
1	Program to evaluate truncation error in a series	Computer C –Compiler Printer	1 1 1	1 1 1	Yes
2	To find roots of polynomial using any iterative method	Computer C –Compiler Printer	1 1 1	1 1 1	Yes
3	Solution of simultaneous equation leaner algebraic equation	Computer C –Compiler Printer	1 1 1	1 1 1	Yes
4	Evaluation of interpolating polynomial	Computer C –Compiler Printer	1 1 1	1 1 1	Yes
5	Differentiation using numerical differentiation	Computer C –Compiler Printer	1 1 1	1 1 1	Yes

6	Integration using numerical integration	Computer C –Compiler Printer	1 1 1	1 1 1	Yes
7	Solution of differential Equation	Computer C –Compiler Printer	1 1 1	1 1 1	Yes

Name of the Course : Electrical Engineering Class:- SE
Subject:- Network Analysis

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	Verification of Thevenins Theorem for two port reactive network	A 470 ohm resistor B 680 ohm resistor C multimeter D connecting probes	2 1 2	2 1 2	Yes
2	Verification of Nortons Theorem for reactive network	A 470 ohm resistor B 680 ohm resistor C multimeter D connecting probes E dual power supply	2 1 2	2 1 2	Yes
3	Pole and Zero plot of a one port network	A 470 ohm resistor B 680 ohm resistor C multimeter D connecting probes E dual power supply	2 1 2	2 1 2	Yes
4	Measurement of Z-parameter	A 470 ohm resistor B 680 ohm resistor C multimeter D connecting probes E dual power supply	2 1 2	2 1 2	Yes
5	Measurement of Y-parameter	A 470 ohm resistor B 680 ohm resistor C multimeter D connecting probes E dual power supply	2 1 2	2 1 2	Yes

6	Measurement of ABCD-parameter	A 470 ohm resistor B 680 ohm resistor C multimeter D connecting probes E dual power supply	2 1 2	2 1 2	Yes
7	Plot the frequency Response of RLC series network	A 470 ohm resistor B 680 ohm resistor C multimeter D connecting probes E dual power supply	2 1 2	2 1 2	Yes
8	Plot the frequency Response of RLC parallel network	A 470 ohm resistor B 680 ohm resistor C multimeter D connecting probes E dual power supply	2 1 2	2 1 2	Yes
9	Study of Power transfer and insertion loss	Study			Yes
10	Verification of Superposition Theorem for two port network	A 470 ohm resistor B 680 ohm resistor C multimeter D connecting probes	2 1 2	2 1 2	Yes

Name of Course Electrical Engineering Class- SE
Subject- Electrical Machines-I

S.N.	Experiment Title	Name of Equipment, Machinery, Instrument required to Conduct Experiment	Quantity		Whether Experiment can be conducted
			Required	Available	
1	Determination of magnetization ,external and internal characteristics of D.C Shunt Generator	DC Shunt Generator DC Shunt Motor Set DC Ammeter DC Voltmeter Rheostats Speedometer Load Bank	01 02 01 02 01 01	01 02 01 02 01 01	Yes
2	Determination of magnetization , external and internal characteristics of	DC Series Generator DC Shunt Motor Set DC Ammeter	01 02 01 02	01 02 01 02	Yes

	D.C Series Generator	DC Voltmeter Rheostats Speedometer Load Bank	01 01	01 01	
3	Determination of external characteristics of D.C Compound Generator Differential and Cumulative	DC Compound Generator DC Shunt Motor Set DC Ammeter DC Voltmeter Rheostats Speedometer Load Bank	01 02 01 02 01 01	01 02 01 02 01 01	Yes
4	Speed control of D.C Shunt Motor by armature and field control	DC Shunt Motor DC Ammeter DC Voltmeter Rheostats Speedometer	01 02 01 02 01	01 02 01 02 01	Yes
5	Study of 3point and 4 point starters b)Reversal of Motor rotation	3 and 4 point Starters Rheostats Speedometer	02 02 01	02 02 01	Yes
6	Load test on D.C shunt motor	DC Shunt Motor DC Ammeter DC Voltmeter Rheostats Speedometer Spring Balance and Belt	01 02 01 02 01 01	01 02 01 02 01 01	Yes
7	Load test on Induction Motor	3 Phase Induction motor AC Ammeter AC Voltmeter Speedometer Spring Balance and Belt	01 01 01 01 01	01 01 01 01 01	Yes
8	Determination of performance of Induction Motor from circle diagram	3 Phase Induction motor AC Ammeter AC Voltmeter Wattmeter	01 01 01 02	01 01 01 02	Yes
9	Study of Induction Motor starter	Different starters for 3Phase Induction motor	04	04	Yes
10	Speed control of slip ring Induction Motor using rotor resistance method	3 Phase slip ring Induction motor Rheostat Speedometer	01 03 01	01 03 01	Yes
11	Determination of	3 Phase Induction	01	01	Yes

	Equivalent Circuit From no load and Block rotor test on Induction Motor	motor AC Ammeter AC Voltmeter Wattmeter	 01 01 02	 01 01 02	

Name of Course Electrical Engineering Class- SE

Subject- Electrical Workshop

S.N.	Experiment Title	Name of Equipment, Machinery, Instrument required to Conduct Experiment	Quantity		Whether Experiment can be conducted
			Required	Available	
1	Study of different wires	TRC Wires CTS Wires Weather proof wires Flexible wire	01 01 01 01	00 00 01 01	Yes
2	Study of wiring accessories	Switch Lamp holder Ceiling rose Socket outlet plugs Wooden boards ICDP/ICTP Distribution boxes Fuse	01 01 01 01 01 01 01 01	01 01 01 01 01 01 01 01	Yes
3	Lamp circuits	Wires Switch Lamps Lamp holder Fuse	01 01 01 01 01	00 00 01 01 01	Yes
4	Underground cables	Fiber optic cable	01	00	No
5	Study of DC and AC voltmeter	Dc voltmeter Ac voltmeter	01 01	01 01	Yes
6	Study and use of analog multimeter and digital multimeter	analog multimeter digital multimeter	01 01	01 01	Yes
7	Study and use of megger	Megger	01	01	Yes
8	Study electrical shocks and safety precautions	Safety precautions charts	01	00	No
9	Industrial visit	Visit Substation Electrical workshops Industries	Visit	Visit	Yes

A)Facilities for conducting Practicals in the Laboratories

Name of the Department / Section :- Electrical
Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required to perform prescribed Practical

Name of the Course : Electrical Engineering Class:- TE
Subject:-Power System II

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	Measurement of ABCD constant of Long transmission line and plotting of its circle diagram to estimate its performance parameters				No
2	The effect of VAR compensation on receiving and voltage profile of transmission line using capacitor bank.	DC shunt motor or synchronous. Motor as PM Voltmeter(0-600V) Ammeter(0-10A) Capacitor bank	1 2 2 1	1 2 2 1	Yes
3	Determination of steady state limit of a transmission line				No
4	Measurement of sub-transient reactance of a salient pole synchronous machine by static or Dalton-cameron method	Ammeter(O-10A) 1ph Auto transformer	1 1	1 1	Yes
5	study of load flow on a 3 bus power system using A.C network analyzer or by actual simulation				No
6	Measurement of sequence reactance of a synchronous machine	3 ph synchronous motor 3 ph synchronous generator wattmeter voltmeter ammeter 1 ph transformer	1 1 2 1 1 1	1 1 2 1 1 1	Yes

7	Fault analysis for symmetrical 3ph. Fault by simulation or by AC/DC analyzer	3 ph synchronous motor 3 ph synchronous generator Voltmeter(0-600V) Ammeter(0-10A)	1 1 1 1	1 1 1 1	Yes
8	Unsymmetrical fault analysis for LL ,LLG ,LG fault on AC/DC network analyzer	With the help of panel and probes			Yes
9	Computer aided solution of a 3 bus load flow problem using Guass Seidal method	Computer			Yes
10	steady state stability study on a synchronous motor and plotting P-Delta curve	Study			Yes
11	Formulation of "Y BUS" matrix using computer program	Computer	1	1	Yes

Name of the Course: Electrical Class:- TE
Subject:- Electrical Machine -II

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	Direct loading test on 3 ph Alternator	D.C. Shunt Motor as P.M. Ammeter (0-10A) Voltmeter (0-600V) Lamp bank as Resistive Load Tachometer D.C. Ammeter (0-1A) Rheostats (800,1.2A)	1 1 1 1 1 1 2	1 1 1 1 1 1 2	Yes

2	OC & SC test on 3 Phase Alternator: Determination of regulation by e.m.f method and mmf method	D.C. Shunt Motor as P.M./3Ph. Synchronous. Motor as P.M. Ammeter (0-10A) Voltmeter (0-600V) Lamp bank as Resistive Load Tachometer D.C. Ammeter (0-1A) Rheostats (800,1.2A)	1 1 1 1 1 1 1 2	1 1 1 1 1 1 1 2	Yes
3	Zero p. f. test on 3 Phase Alternator: Regulation of alternator by Poitiar Method and A.S.A Metho	D.C. Shunt Motor as P.M. Ammeter (0-10A) Voltmeter (0-600V) 3Ph inductive load Tachometer D.C. Ammeter (0-1A) Rheostat (800,1.2A)	1 1 1 1 1 1 2	1 1 1 1 1 1 2	Yes
4	Slip test on 3 Phase salient pole synchronous machine : determination of d-axis and q-axis reactance and hence regulation	Dc shunt motor as PM 3Ph Auto Transformer (10A,600V) Voltmeter (0-600V) Ammeter (0-5A) Tachometer	1 1 1 1 1	1 1 1 1 1	Yes
5	Synchronizing Alternator : Lamp method and use of sunchroscope.	3Ph alternator as load on synchronous motor ammeter(0-10A) Voltmeter(0-600V) DC ammeter (0-2A) Rheostats (400,1.2A) 2 Wattmeter (600V/10A) Synchronoscope	1 1 1 1 2 1	1 1 1 1 2	No

6	V curves of Synchronous Motor at const load	3Ph alternator as load on synchronous motor ammeter(0-10A) Voltmeter(0-600V) DC ammeter (0-2A) Rheostats (400,1.2A) 2 Wattmeter (600V/10A)	1 1 1 1 1 2	1 1 1 1 1 2	Yes
7	Load test on Synchronous induction motor or synchronous motor at a const excitation	Voltmeter (0-300V) Ammeter (0-10A) 1ph Auto transformer (10A/270V) Alt as a load	1 1 1 1	1 1 1 1	Yes
8	Study of various types of 1 ph induction motors	Demonstration			Yes
9	No load & block rotor test on capacitor starts 1 ph Induction Motor: Determination of parameter of equivalent circuit.	Voltmeter(0-300V) Ammeter(0-10A) 1 ph Auto transformer Wattmeter(300V/10A	1 1 1 1	1 1 1 1	Yes
10	Load test on 1 Phase Induction Motor	Voltmeter(0-300V) Ammeter(0-10A) Auto transformer Wattmeter(300V/10A	1 1 1 1	1 1 1 1	Yes

Name of the Course : Electrical Class:- TE
Subject:-Software Application-I

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	Program to solve the numerical method:Bisection, Newton Raption method using defined function	Computer C –Compiler Printer	1 1 1	1 1 1	Yes
2	Program to solve differential equation by Elur's modified metrhod	Computer C –Compiler Printer	1 1 1	1 1 1	Yes
3	Program using function to find integration by Simpson's 1/3 and 3/8 method	Computer C –Compiler Printer	1 1 1	1 1 1	Yes
4	ETAP Power station	Computer ETAP Power Station Printer	1 1 1	1 1 1	Yes

Name of the Course : Electrical Class:- TE
Subject:-Electrical Measurement -II

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	Measurement of inductance by Anderson bridge	a. KIT Anderson b. Headphone	1 1	1 1	No
2	Measurement of capacitance and loss angle of capacitor by Shering bridge	a. Shering Kit	1	1	No

3	Measurement of freq / multi inductance by Cambell Bridge	Cambell Bridge Function generator Power supply Multimeter	1 1 1 1	1 1 1 1	Yes
4	Strain measurement using strain Gauge	strain Gauge measurement kit	1	1	Yes
5	Study of LVDT	LVDT Transducer unit with controller	1	1	Yes
6	Temp measurement by RTD / Thermostat and Thermocouple	Heater RTD Thermometer Multimeter	1 1 1 1	1 1 1 1	Yes
7	Study of pressure transducer	pressure transducer kit compressor	1 1	1 1	Yes
8	Study of recorder	Strip chart recorder	1	1	Yes
9	Speed measurement by peak up and photo electric method	peak up and photo electric method kit	1	1	Yes
10	Step response of meter				No
11	Study of CRO different types and their application	CRO	1	1	Yes
12	Measurement of systematic error of wattmeter				No

Name of the Course : Electrical Class:-TE Subject:-Control System I

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	Study of potentiometer as on A)error detector B) Determination of sensitivity C) Determination of input and out put of Characteristic	Potentiometer Multimeter	1 1	1 1	Yes

2	Study of a. Synchro characteristic b. Electrical zeroing of Synchro d.Synchronous as error detector d.Synchros on position control system	Kit of Synchros Multimeter	1 1	1 1	Yes
3	To determine the transfer function of armature and field Control dc generator				No
4	To determine transfer function of dc servo motor	dc servo motor kit tachometer multimeter	1 1 1	1 1 1	Yes
5	To study , performance Characteristic Of dc motor angular position control system	dc motor angular position system multimeter	1 1 1	1 1 1	Yes
6	To plot the torque speed characteristic. Of two phase AC servo motor	AC servo motor Tachometer Multimeter	1 1 1	1 1 1	Yes
7	Frequency response of second order system	second order system kit	1	1	Yes
8	To determine transfer function of AC servo motor	AC servo motor Tachometer Multimeter	1 1 1	1 1 1	Yes
9	Operation of stepper motor in single step and multi step	stepper motor Tachometer Multimeter	1 1 1	1 1 1	Yes
10	Study of P,PI, PID controller	 PID controller CRO	1 1	1 1	Yes

A) Facilities for conducting Practicals in the Laboratories

Name of the Course : Electrical **Class:-BE**

Subject:-Industrial Electrical Engineering.

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	To perform load test on single phase induction motor & plot its performance characteristic.	Voltmeter (0-300V) Ammeter (0-10A) 1ph auto Transformer(270 V,10A) Tachometer Load Balance	1 1 1 1 1	1 1 1 1 1	Yes
2	To perform load test on DC Series Motor & plot its performance characteristic.	DC shunt generator as load on DC motor Voltmeter (0-300V) Ammeter (0-10A) tachometer	1 1 1 1 1	1 1 1 1 1	Yes
3	Speed control of DC Series Motor	Voltmeter (0-300V) Ammeter (0-10A) Tachometer Rheostats (100,5A)	1 1 1 2	1 1 1 2	Yes
4	Rheostatic breaking of three phase Induction Motor	Voltmeter (0-300V) Ammeter (0-5A) Rheostats (200,5A) Change over switch Stop watch	1 1 1 1 1	1 1 1 1 1	No

5	To perform load test on Three phase Induction Motor and Plot its performance characteristic.	Voltmeter (0-600V) Ammeter (0-10A) Wattmeter(600v/10A) Tachometer Loading arrangement 3ph auto transformer.	1 1 2 1 1	1 1 2 1 1	Yes
6	Rheostatic breaking of DC Shunt Motor	Voltmeter (0-300V) Ammeter (0-5A) Rheostat (200,5A) Change over switch Stop watch	1 1 1 1 1	1 1 1 1 1	Yes
7	Speed control of three phase slip ring Induction Motor by rotor resistance method	Voltmeter (0-600V) Ammeter (0-10A) Tachometer	1 1 1	1 1 1	Yes
8	To perform load test on DC Series Motor & plot its performance characteristic	Ammeter ((0-10A) Voltmeter (0-300V) Tachometer, Loading arrangement	1 1 1 1	1 1 1 1	Yes
9	Study Illumination system	By case study			Yes
10	Study of Different type of Enclosures	Machine lab Enclosures			Yes

Name of the Course :Electrical Class:- BE
Subject:- High Voltage Engineering.

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	Measurement of insulation resistance of 600/250 V.P.T by Meger	Meger	1	1	Yes
2	Power frequency high voltage withstand test on CT,11KV,10/5 A	--	--	--	No
3	Study of Corona Discharge	50 KVA C/70 KV DC HV testing kit corona cage 2-0-50 KV HV Transformer 3-0-70 KV Rectifier 4-0-70 KV Filter 5-Bedding Resistor (0-90 KV)	1 1 1 1 1	1 1 1 1 1	Yes
4	Determination of insulation break-down strength of solid, Liquid and gaseous dielectric media	Insulation Tester Set	1	1	Yes
4	Dry & wet power freq. With stand test on insulator	HV testing kit 0-50 KV AC Transformer Insulator Artificial raining sys.	1 1 1 1	1 1 1 1	Yes
5	Power frequency high voltage withstand test on cable	--	--	--	No
6	Study of Impulse Generator	As Study Experiment			Yes

7	Dry & Wet power frequency withstand test on insulator	Insulator & artificial rainfall set	1	1	Yes
8	Flashover test on insulator	As a study experiment	1	1	Yes
9	Double voltage Double freq. With stand test on transformer.	1. Double voltage, double freq. Kit 2. Transformer	1 1	1	Yes
10	Study of calibration of sphere gap	HV testing kit 0-50 KVAC HV transformer Sphere gap assembly	1 1 1	1 1 1	Yes
11	Study of 100KV high voltage testing Kit	high voltage testing Kit	1	1	Yes

Name of the Course : Electrical Class:-BE
Subject:-Switch Gear Protection

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	Study of relaying component and control circuit development	Switch gear testing kit MCB ,fuse wire	1	1	Yes
2	To plot operating characteristic Of inverse time over current relay	Microprocessor based over current relay	1	1	Yes
3	To study the through fault stability of differential relay	As a study excrement.& Kit	1	1	Yes
4	Study of MHO distance relay to plot a)RX diagram b)relay voltage Vs admittance char.	As a study experiment & Kit	1	1	Yes
5	Study of combine over current and earth fault protection scheme of alternator.	Protection of three phase alternator kit	1	1	Yes

6	Protection of three phase transformer using differential relay(Merz-price protection scheme)	three phase transformer protection kit	1	1	Yes
7	To plot the char. Of rewire able fuse and MCB	Relay testing kit	1	1	Yes
8	Study of Arc extinction phenomenon	As a study experiment	1	1	Yes
9	Demonstration of Microprocessor based protection three phase using MM-30L&Tmake study of different types of fuses	As a study experiment	1	1	Yes

Name of the Course : Electrical **Class:-BE**
Subject:-Power system stability

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	Parameter and time constants of synchronous machine	DC shunt motor coupled with synchronous alternator Voltmeter Ammeter Wattmeter	1 1 1 1	1 1 1 1	Yes
2	synchronous machine on infinite bus	DC shunt motor coupled with synchronous alternator Voltmeter Ammeter Wattmeter	1 1 1 1	1 1 1 1	Yes
3	Effect of saturation and determination of equivalent reactance of synchronous machines	DC shunt motor coupled with synchronous alternator Voltmeter Ammeter Wattmeter	1 1 1 1	1 1 1 1	Yes

4	Retardation test on synchronous machine to find moment of inertia of rotating part and angular momentum	As a study experiment.			Yes
5	To obtain power angle characteristic . Of lossy and lossless lines	As a study experiment.			Yes
5	To study Transient state stability by Point by Point Method	By taking problem			Yes
7	To determine Steady state stability of short transmission line	As a study experiment			Yes
8	To determine Steady state stability of Long transmission line	As a study experiment.			Yes
9	Study of Clerk diagram	As study experiment.	----	----	Yes
10	Study of different types of automatic voltage regulator	As study experiment.	-----	----	Yes

Name of the Course : Electrical **Class:- BE**
Subject: Industrial Drives and Control

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	A)Control of DC Motor using Single phase half controlled rectifier B)Control of DC Motor using Single phase Full controlled rectifier	½ HP D.C Shunt Motor With Loading arrangement	1	1	Yes
2	One quadrant chopper control of DC Motor	½ HP D.C Shunt Motor With Loading arrangement	1	1	Yes
3	Two quadrant chopper control of DC Motor	½ HP D.C Shunt Motor With Loading arrangement	1	1	Yes
4	Speed control single phase motor by ac voltage regulator	1 HP Single Phase Induction motor.	1	1	Yes
5	Study of steeper motor drive circuit	Stepper Motor 2 phase , 3.5 Kg-cm, 12 volt	1	1	Yes
6	Speed control Universal motor	FHP AC/DC Universal Motor	1	1	Yes
7	Study of micro-controlled base DC drive	½ HP D.C Shunt Motor	1	1	Yes
8	Study of Vector control method for induction motor	3 HP/2.2 KW, 415 volt , 4 Pole , 50 Hz, 1440 RPM Induction Motor	1	1	Yes

Facilities for conducting Practicals in the Laboratories

Name of Course : **MECHANICAL ENGINEERING** Class: - **F.E.**

Subject: - **Engineering Thermodynamics**

Name of the Department / Section:- **MECHANICAL ENGINEERING**

Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required performing prescribed Practicals

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Study of air compressor	Air compressor, charts	01	01	Yes
2	Study of various boiler mountings	Models, charts	01	02	Yes
3	Study of boiler accessories	Models, charts	01	02	Yes
4	Study of Cochran & Lancashire boiler	Models, charts	01	02	Yes
5	Study of petrol engine 2Stroke & Diesel engine.	Models, charts	01	02	Yes
6	Study of Babcock & Wilcox boiler	Models, charts	01	01	Yes
7	Study of petrol engine 4Stroke & Diesel engine.	Models, charts	01	02	Yes
8	Study of household refrigerator, & window air conditioner	Chart, actual machine	01	01	Yes
9	Study of air water cooler	Models, charts	01	02	Yes

Facilities for conducting Practicals in the Laboratories
Name of Course : **MECHANICAL ENGINEERING** Class: - **S.E.**
Subject: - **MANUFACTURING ENGINEERING -II**
Name of the Department / Section:- **MECHANICAL ENGINEERING**
Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required performing prescribed Practicals

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Any Assignment on Unit I	Lathe Machine, Tools	01	01	Yes
2	Design of jig / fixture for drilling / milling operation of a given component	Drilling Machine, & Milling Machine	01	02	Yes
3	Any Assignment on Unit. III	Press, Dies	01	02	Yes
4	Write a program for manufacturing a component on CNC Milling or CNC Lathe	CNC Milling or CNC Lathe	01	01	Yes
5	Any Assignment on Unit. V	Grinding machine	01	02	Yes

Facilities for conducting Practicals in the Laboratories
Name of Course : **MECHANICAL ENGINEERING** Class: - **S.E**. Subject: - - **Applied Thermodynamics.**
Name of the Department / Section:- **MECHANICAL ENGINEERING**
Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required performing prescribed Practicals

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Determination of calorific value of solid / liquid / gaseous fuel	Bomb Calorimeter test rig	01	01	Yes
2	Analysis of flue gases by Orsat / PUC apparatus.	Model of Orsat Apparatus	01	01	Yes
3	Study of high –pressure boilers	Models	01	01	Yes
4	Determination of Isothermal and volumetric efficiency of reciprocating air compressor	Reciprocating Air Compressor test rig	01	01	Yes
5	Study of steam nozzles.	Chart	01	01	Yes

6	Study of steam condensers and cooling towers	Models	01	01	Yes
7	Study of thermal power plant by actual visit	Chart ,Visit to thermal power station	01	01	Yes
8	Study of boiler draughts	Chart Models	01	01	Yes
9	Study of Rankine cycle (five numericals based on the syllabus)	Chart	01	01	Yes
10	Study of on boiler efficiency and heat balance sheet (Assignment on the same)	Chart Models	01	01	Yes

Name of Course : **MECHANICAL ENGINEERING** Class: - **S.E.** Subject: - **Machine Drawing & Computer Graphics**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Drawing of following machine parts a)Arbor	Models of all given parts in column (2)	02	02	Yes
	b)Couplings 1)Oldham' 2)Universal	Chart	 02 02	 01 01	
	c)Bearings 1)Ball 2)Roller 3)Simple bush 4)Plummer block 5)Foot step Chart		 02 02 02 02 02	 02 02 --- --- ---	
	d)Brackets Chart				
	e)Pulleys 1)V 2)Fast & Loose 3)Cone	Chart Model	 02 02 02	 02 01 02	
	f)Pipe Joints	Chart Model	01	01	
	g)Lathe Parts	Chart	02	02	
	h)Screw Jack	Chart	01	---	
	I)Springs	Model	02	02	

	j)CNC m/c tool holder	Model	02	02	
	k)IC engine parts	Model	01	01	
	l)Vices	Model	02	02	
	m)Clutches 1)single plate 2)cone 3)Multi-plate 4)Centrifugal 5)Hydraulic	Chart Model	 02 02 02 02 02	 01 -- -- -- ----	
	n)Valves(types)	Model	Each01	---	
	o)Drill jigs	Model	02	----	
	p)Press Tool	Model	02	01	
2	Introduction to limits ,Fits & Tolerances	Charts	01	01	Yes
3	Drawing with help of Autocadr-14	computer Software,Autocad-14/2005	10	----	Yes

Name of Course : **MECHANICAL ENGINEERING** Class: -**S.E.** Subject: -
Theory Of Machine – I

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	To determine the mass moment of inertia of compound pendulum.	Vibration Lab.Test Rig	01	01	Yes
2	To determine the mass moment of inertia of Bifiar / triflor suspension method	Working Model	01	01	Yes
3	To determine the slip of belt drive.	Test Rig of slip & creep of belt	01	01	Yes
4	Velocity analysis by ICR method (2 problems)	Transparency	01	01	Yes
5	Relative velocity & acceleration method (4 problems)	Transparency	01	01	Yes
6	Klein's construction (4 problems)	Transparency	--	--	Yes
7	Inertia force analysis of IC engine mechanism by graphical method .	Transparency	--	--	Yes

Name of Course : **MECHANICAL ENGINEERING** Class: -**S.E.** Subject: - **Material Science**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Tensile Test on	Universal testing M/C	01	01	Yes
2	Rockwell's Hardness Test	Rockwell's Hardness testing machine	01	01	Yes
3	Brinell's Hardness Test	Brinell's Hardness testing machine	01	01	Yes
4	Erichesen Cupping Test	Erichesen Cupping Testing machine	01	01	Yes
5	Non-destructive tests: Dye penetrant test	Dye penetrant test kit	01	01	Yes
6	Magnetic particle testing or eddy current test	Magnetic Yoke, Magnetic induct. M/c Ultrasonic test m/c	01	01	Yes
7	Izod & Charpy Impact Test	Izod & Charpy Impact Testing M/C	01	01	Yes
8	Effect of Cold Working on hardness of minimum two materials.	Rockwell's Hardness testing machine	01	01	Yes
9	Testing of bulk properties such as flow rate, apparent density and top density of metal powder	----	---	---	---

Name of Course : **MECHANICAL ENGINEERING** Class: - **S.E.**
Subject: - **Fluid Mechanics.**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Determination Viscosity of a given liquid	Redwood Viscometer	01	01	Yes
2	Study of manometers	Manometers	01	01	Yes
3	Study of stability of floating bady	Haleshaw apparatus.	01	01	Yes
4	Study of forced vortex motion				
5	Flow net by Electrical Analogy Method				
6	Clarification of Venturi meter / orifice meter	Venturimeter set	01	01	Yes

7	Verification of Bernoulli's Theorem.	Bernoulli's apparatus.	01	01	Yes
8	Study of sharp – edge circular orifice / mouth piece	Sharp – edge circular orifice	01	01	Yes
9	Study of momentum equation				
10	Study of Laminar and turbulent flow by use of Reynold's app.	Reynold's app.	01	01	Yes
11	Study of flow through pipe.	Flow through pipe set.	01	01	Yes

Name of Course : **MECHANICAL ENGINEERING** Class: - **S.E. Electrical**
Subject: **- Applied Thermodynamics.**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Study of steam power plant	Chart	01	01	Yes
2	study of Boiler Mountings and Accessories	Chart Model	01	01	Yes
3	study of fuel feeding system of an I.C. engine.	Chart Model	01	01	Yes
4	study of ignition system of an I.C. engine	Chart	01	01	Yes
5	Study and trial on Petrol engine at one load.	Petrol Engine Test rig	01	01	Yes
6	Study and trial on reciprocating air compressor	Reciprocating Air Compressor Test rig	01	01	Yes
7	Study and trial on refrigeration system	Vapour Compression Refrigeration system	01	01	Yes
8	Study and visit of central air conditioning plant.	visit of central air conditioning plant.	--	--	Yes
9	Determination of thermal conductivity of metal rod.	Test rig to measure the thermal conductivity of metal rod	01	01	Yes
10	Determination of Stefan Boltzmann Constant.	Stefan Boltzmann app..	01	01	Yes
11	Calculation of fin efficiency in natural and forced convection	Pin Fin App.	01	01	Yes
12	Study and trial on diesel engine at one load.	Diesel Engine Test rig	01	01	Yes

Name of Course: **MECHANICAL ENGINEERING** Class: - **T.E. Chemical.**
Subject: - **Process Heat Transfer**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Determination Of Thermal Conductivity Of Metal Rod.	Test Rig.	01	01	Yes
2	Determination Of Heat Transfer Coefficient In Natural Convection.	Test Rig.	01	01	Yes
3	Determination Of Stefan Boltzmann Constant.	Test Rig.	01	01	Yes
4	Determination Of Emissivity Of A Test Surface.	Test Rig.	01	01	Yes
5	Determination Of Thermal Conductivity Of Composite Wall.	Test Rig.	01	01	Yes
6	Determination Of Heat Transfer Through Lagged Pipe	Test Rig.	01	01	Yes

Facilities for conducting Practicals in the Laboratories

Name of Course : **MECHANICAL ENGINEERING** Class: - **T.E.**

Subject: - **Engineering Metallurgy**

Name of the Department / Section:- **MECHANICAL ENGINEERING**

Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required performing prescribed Practicals

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Micro Specimen Preparation and use of metallurgical microscope. (Additional CCTV is available)	Metallurgical microscope Polishing m/c, polish papers, cut- off m/c	01 Each	09	Yes
2	Furnace operations and spark testing	Bench grinder Muffle furnace, Temp. indicator	01 01 01	01 01 01	Yes Yes Yes
3	Study and drawing microstructure of low carbon, medium carbon, eutectoid steel, and hypereutectoid steel in annealed condition. (Additional CCTV is available)	Metallurgical microscope & Specimen of mild steel, medium carbon steel, eutectoid steel & hypereutectoid Steel	01 Each	09	Yes
4	Study and drawing microstructure of Gray, White, Malleable and Spheroidal Graphite Cast Iron. (Additional CCTV is available)	specimen - Grey nodular cast iron, white and malleable cast iron. & Metallurgical microscope	01Each 01	01 09	Yes
5	Sulphur print test on steel specimen or flow lines examination on forged components	Bromide paper, sodium thiosulphate, H_2SO_4 , Mild steel polished specimen.	01Each	01	Yes
6	Study of change in microstructure of annealed and normalized medium carbon steel.	Furnace Microscope Steel samples	01 01	01 09	Yes
7	Hardening of steels: - effect of temperature on the properties. (Additional CCTV is available)	Muffle furnace Hardness tester Microscope	01 01 01	01 01 09	Yes

8	Jominy Harden ability test	Muffle furnace, Jominy Hardenability test apparatus, steel sample, Hardness tester.	01 Each	01	Yes
9	To study & draw the microstructure of carburized steel fusion weld in mild steel	Specimen – carbureted steel , tempered steel & welded joints samples Metallurgical microscope	01Each 01	01 09	Yes
10	Study and drawing microstructure of alpha brass, alpha-beta brass, Aluminum Bronze and bearing metal	Microscope, Microstructure of non ferrous materials.	01	01	Yes
11	To study the effect of temperature on hardness of tempered steel	Furnace Hardness Tester	01 01	01 01	Yes

Name of Course : **MECHANICAL ENGINEERING** Class: - **T.E.**
Subject: - **I C ENGINE**

Sr. No.	**Experiment Title**	**Name of Equipment, Machinery Instrument etc. Required to conduct experiment**	**Quantity**		**Whether experiment can be conducted**
			Required	**available**	
1	Study of Cooling System of IC Engine	Not Required	----	-----	Yes
2	Study of Simple & Solex Carburetor	Not Required	----	----	Yes
3	Study of Lubrication System of IC Engine	Not Required	----	----	Yes
4	Study of Fuel Pump & Fuel Injector	Not Required	----	----	Yes
5	Trial on Petrol Engine & Calculation of Air/Fuel Ratio, Volumetric ,	4 stroke 4 cylinder engine test rig	01	01	Yes

	Thermal & Mechanical Efficiencies				
6	Trial on Diesel Engine& Calculation of Air/Fuel Ratio, Volumetric , Thermal & Mechanical Efficiencies	4 stroke single cylinder Diesel engine test rig	01	01	Yes
7	Morse Test & Determination of BSFC & ISFC	4 stroke 4 stroke Petrol engine test rig	01	01	Yes
8	Study Of Combustion Chambers Of SI Engines	Not Required	----	----	Yes

Name of Course : **MECHANICAL ENGINEERING** Class: - **T.E.**
Subject: - **HTMT**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Determination Of Thermal Conductivity Of Metal Rod.	Test Rig.	01	01	Yes
2	Determination Of Thermal Conductivity Of Insulating Powder.	Test Rig.	01	01	Yes
3	Determination Of Thermal Conductivity Of Composite Wall.	Test Rig.	01	01	Yes
4	Determination Of Heat Transfer Coefficient In Natural Convection.	Test Rig.	01	01	Yes
5	Determination Of Temperature Distribution, Fin Efficiency In Natural And Forced Convection.	Test Rig.	01	01	Yes
6	Determination Of Emissivity Of A Test Surface.	Test Rig.	01	01	Yes
7	Determination Of Stefan Boltzmann Constant.	Test Rig.	01	01	Yes

8	Determination of log-mean temperature difference, overall heat transfer coefficient and effectiveness of heat exchanger in parallel and counter flow arrangement.	Test Rig.	01	01	Yes

Name of Course : **MECHANICAL ENGINEERING** Class: - **T.E.**

Subject: - **TM**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Study of steam turbine power plant	Chart	01	01	Yes
2	Study of steam turbine system	Chart	01	01	Yes
3	Study of gas turbines	Chart	01	01	Yes
4	Study of hydraulic turbines	Chart	01	01	Yes
5	Trial on Pelton wheel	Pelton wheel Test rig	01	01	Yes
6	Trial on Francis turbine	Francis turbine Test rig	01	01	Yes
7	Trial on Kaplan turbine	Kaplan turbine Test rig	01	01	Yes
8	Study of centrifugal / rotary flow air compressor.	Charts, Transparency	--	--	Yes

Name of Course : **MECHANICAL ENGINEERING** Class: - **T.E.** Subject: - **TOM – II**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Study of various of gear boxes such as industrial gear boxes, synchromesh & differtial gear box	Model & transparency	03	03	Yes
2	To draw conjugate profile for any general shape of gear tooth	Transparency	01	01	Yes
3	To generate gear tooth profile to study under cutting & rack shift	Working model	01	01	Yes
4	To determine torque capacity of dynamometer using transducers	Rope Braker dynamometer Test rig	01	01	No
5	To study epi-cyclic gear train and to measure torque transmitted and holding torque.	Epicyclic gear train & transparency.	01	No	No
6	To draw cam profile for various type of follower motions		--	--	Yes
7	To determine the characteristic curve of a centrifugal governer and to find its coefficient of insensitiveness and stability	Governers app.	01	01	Yes
8	Verification of principal of gyroscopic couple	Motorized gyroscope	01	02	Yes
9	Study of any two gyro controlled instrument	Transparency	01	01	Yes
10	To study the dynamic balancing m/c	Dynamic balancing m/c app.	01	01	yes
11	Study of different brakes	Transparency	02	02	yes
12	Study of gyroscopic effect on Naval ship and four wheel vehicles	Transparency	02	02	yes

Name of Course: Mechanical Engineering Class: T.E. Subject: **Mechanical Measurement and Metrology**

Sr. No.	Experiment Title	Name of Equipment, Machinery, Instrument, etc. required to conduct experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Determination of linear and angular dimension.	1. Digital Micrometer 2. Digital Vernier Calliper 3. Micrometer 4. Vernier Calliper 5. Scale 6. Inside Micrometer 7. Vernier Height Gauge 8. Dial Gauge 9. Bevel Protractor 10. Combination Set 11. Sine Bar 12. Slip Gauge 13. Auto-Collimator 14. Angle Dekkor 15. Surface Plate 16. Magnetic Base 17. V Blocks	01 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01	01 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01 01	Yes
2	M/c tool alignment tests on any M/c tool like Lathe, Drilling m/c, Milling m/c	1. Spirit Level 2. Test Mandrels 3. Straight Edges 4. Gauge Blocks 5. Try Square 6. Dial Gauge 7. Fillet Gauge	01 01 01 01 01 01 01	01 01 01 01 01 01 01	Yes
3	Measurement of surface finish and testing of surface flatness by optical flat	1. Tomlinson Surface Recorder 2. Optical Flat 3. Monochromatic light unit with standard surfaces	01 01 01	--- 01 01	Yes
4	Study and measurement of parameter using tool makers microscope Use of comparator.	1. Tool Makers Microscope 2. Electronic Comparator	01 01	01 01	Yes
5	Measurement of screw parameter using floating carriage micrometer	1. Floating Carriage Micrometer	01	01	Yes
6	Measurement by gear parameter- Gear tooth thickness,	1. Vernier Caliper 2. Vernier gear tooth caliper 3. Gear Test Bench 4. Profile Projector	01 01 01 01	01 01 01 01	Yes

	constant chord, pitch circle diameter				
7	Measurement of temperature using thermocouple and pyrometer	1. Thermocouple 2. Pyrometer	01 01	-- --	Yes
8	LVDT for displacement measurement	1. LVDT set	01	--	Yes
9	Flow measurement-using rotameter.	1. Rotameter	01	--	Yes

Facilities for conducting Practical in the Laboratories

Name of Course : **MECHANICAL ENGINEERING** Class: - **B.E.** Subject: - **R.A.C**

Name of the Department / Section:- **MECHANICAL ENGINEERING**

Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required performing prescribed Practical

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Trial on Vapour Compression Refrigeration system	Vapour Compression Refrigeration System	01	01	Yes
2	Trial on ICE plant/ Domestic refrigeration system	ICE Plant	01	01	Yes
3	Study & Trial in Vapour Absorption refrigeration system.	Vapour Absorption Refrigeration System.	01	01	Yes
4	Study of Construction of hermitically sealed compressor and actually viewing of a cut model of the same.	Chart	01	01	Yes
5	Evacuation and charging of refrigeration plant.	Visit to workshop	---	---	Yes
6	Trial on Vapour compression air conditioning test rig.	Air Conditioning Test Rig.	01	01	Yes
7	Study of various types of air conditioning system & its specification	Chart and transparency	01	01	Yes
8	Study & trial on cooling towers.	Chart	01	01	Yes
9	Study of pressure control relays and oil separators.	Chart	01	01	Yes

Name of Course : **MECHANICAL ENGINEERING** Class: - **B.E.** Subject: - **CAD/CAM**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Modeling of any three Machine component	No. of computers available 16 Software's available: - I-DEAS-11 NX series			Yes
2	Any Two assembly of Mechanical component				Yes
3	Problems for transformation- Translation, rotation, Scaling				Yes
4	Assignment on geometric Modeling				Yes
5	Assignment on FMS & Group Technology , Robot	---------	--------	--	Yes

Name of Course : **MECHANICAL ENGINEERING** Class: - **B.E.** Subject: - **Tribology**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Journal bearing apparatus.	Journal bearing apparatus.	01	01	Yes
2	Tilting pad thrust bearing apparatus.	Tilting pad thrust bearing apparatus.	01	01	Yes
3	Friction in journal bearing.	Friction in journal bearing.	01	01	Yes
4	Coefficient of friction using pin on disk type friction monitor	friction using pin on disk type friction monitor	01	01	Yes

Name of Course : **MECHANICAL ENGINEERING** Class: - **B.E.** Subject: - **Mechanical Vibration.**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether experiment can be conducted
			Required	Available	
1	Study of whirling of shaft	whirling of shaft apparatus	01	01	Yes
2	Study of undamped free Vibration of equivalent spring mass system	Vibration lab	01	01	Yes
3	Study of forced vibration of spring mass system	Vibration lab	01	01	Yes
4	Study of Torsional vibration of single rotor system	Vibration lab	01	01	Yes
5	To Verify Dunkerly's Rule	Vibration lab	01	01	Yes

A) Facilities for conducting Practicals in the Laboratories

Name of Course : **FE Common** Class: - **F.E. Subject: - Workshop Practice -I**

Name of the Department / Section:- **Workshop**

Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required performing prescribed Practicals

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt.can be conducted
			Required	Available	
1	Fitting- one job finishing of two sides of a square piece by filing b) Drilling of two holes of size 5 mm and 12 mm diameter on fitting job c) Tapping of 5 mm dia hole on above job	1) Files (Flat, triangular, safe-edge) 2) Hack saw frame 3) Tap set 4) Combination set 5) Drilling machine 6) 'V' Block 7) Bench vice 8) Vernier caliper 9) Try square 10) Number/Letter punch 11) Hammer 12) Vernier height gauge 13) Tap wrench 14) Surface plate	20 20 04 01 01 01 24 11 20 01 10 02 01 01	150 38 07 01 01 01 43 19 41 01 08 02 03 02	Yes
2	Moulding Practice Preparation of mould of any pattern (One Job) b) Casting of any simple pattern (One job each)	1) Moulding Boxes 300X300X100 m.m 2) Moulding Boxes 450X 450X100 m.m 3) Moulding Tool set 4) Moulding closing pin round 19 X 35 5) Moulding box bush round 6) Blow**er (Air fan) 01** h.p.**3** p.h. **2880** rpm and pi**t** furnace	10 10 2 20 40 1	10 10 2 20 40 1	Yes
3	Welding shop Gas welding practice by student on mild steel flat (One job) b) Lap joints by Gas welding and Arc welding (one Job c) Demonstration of brazing	1) Hack saw frame 2) Flat file 3) Hammer 4) Measuring tape 5) Try square 6) Bench vice 7) Welding transformer 8) Hand screen 9) Hand gloves 10) Chipping hammer 11) Gas welding equipment	20 20 05 03 20 16 03 18 12 06 01 set	20 20 05 02 20 16 03 12 12 06 01 set	Yes

4	CARPENTRY T-Lap joint & Bridle joint (one job each)	1) Carpentry vice 2) Try Square 3) Marking Gauge 4) Mortise Gauge 5) Metal Jack Plane 6) Tenon Saw 7) Firmer Chisel 8) Mortise Chisel 9) Chisel ½" 10) Chisel 2" 11) Wooden Mallet 12) Marfa File	20 20 20 20 20 20 20 20 20 20 20 20	16 53 21 24 36 48 63 63 25 24 30 30	Yes

Item No.26

A) Facilities for conducting Practicals in the Laboratories

Name of Course : **FE Common** Class: - **F.E. Subject: - Workshop Practice -II**

Name of the Department / Section:- **Workshop**

Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required performing prescribed Practicals

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	TIN SMITHY One Job including Riveting, Soldering e.g. letter box, waste paper basket, funnel etc.	1) Smithy try square 2) Shearing Strips 3) Small shearing M/C 4) Bending M/C 5) Edge folding M/C 6) Hammer 7) Soldering Iron	04 20 2 1 1 8 1	04 17 2 1 1 8 1	Yes
2	Plumbing One Job involving operation like Bending, Threading	1) Pipe Vice 2) Die Set 3) Hand Hacksaw frame 4) Bending Machine	16 20 20 1	16 17 20 1	Yes

3	Black Smithy One job on black smithy including bending and flattening. E.g S-Hook, S or U or 8 shape, etc.	1) Round Nose Tongs 2) Sledge hammer 3) Ball peen hammer 4) Anvil 100 kg 5) Furnace	15 09 09 04 04	26 10 10 04 04	Yes
4	Machine Shop a) One job on lathe involving operations like plain turning, step turning, taper turning and chamfering b) One job on shaper for finishing two sides of a job and preparing the slot grinding, polishing corners of above job on bench grinder	1) Lathe machine 2) Vernier caliper 3) HSS cutting tool 4) Shaper machine 5) Milling machine 6) Try square 7) Cutter 8) Hammer 9) Spanner (set)	20 20 20 01 02 06 01 03 01 set	28 30 40 01 02 06 01 03 01 set	Yes

Item No.26

A) Facilities for conducting Practicals in the Laboratories

Name of Course : **Mechanical** Class: - **S.E. Subject: - Workshop Practice -III**

Name of the Department / Section:- **Workshop**

Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required performing prescribed Practicals

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	Machine Shop- One composite Job involving different machine operation on lathe, shaper, slotter, drilling, milling & grinding operations.	1) Lathe Machine 2) Vernier caliper 3) H.S.S. cutting tool 4) Screw pitch gauge 5) Knurling tool 6) Drill (20 m.m.) 7) boring tool 8) V threading tool 9) Shaper machine 10) Drilling machine 11) Milling machine 12) Slotter machine 13) Grinder	20 20 20 05 05 02 10 05 01 01 02 01 01	28 30 40 05 05 02 10 05 01 04 02 01 02	Yes
2	Carpentry shop- Preparation & Manufacturing of solid pattern involving wood turning from component drawing. (one job)	1) Measuring Tape 2) Try Square 3) Marking Gauge 4) Metal Jack plane 5) Tenon saw 6) Mortise chisel 1” 7) Firmer chisel 25 mm 8) Chisel 1" & 2 1/2” 9) Chisel 2” 10) Wooden mallet 11) File 12) Carpentry Bench Vice 13) Screw driver 14) Hand drill M/C 15) Wood Turning Set 16) Wood Turning Lathe M/C. 17) Caliper (inside) 18) Caliper (outside) 19) Contraction slide rule	5 20 20 20 20 20 20 12 12 20 20 20 2 5 8 8 10 10 14	5 20 20 20 20 20 20 12 12 20 20 20 2 5 4 set 4 10 10 4	Yes

3	Foundry shop-Preparation of mould of above pattern, casting from this mould.Actual weight calculation, Yield & costing of item should be performed. (one job)	1)Moulding Boxes 300x300x100 mm 2) Moulding Boxes 450x450x100 mm 3) Moulding tool set 4) Moulding closing pin Round 5) Moulding Box bush round 6) Blower (Air fan) 01 h.p. 3 ph 2880 rpm & pit furnace	10 10 2 20. 40 1	10 10 2 20 40. 1.	Yes

Name of Course : **Mechanical** Class: - **S.E.** Subject: - **Workshop Practice -III**
Name of the Department / Section:- **Workshop**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt.can be conducted
			Required	Available	
4.	Welding shop-One job on welding preparing a component comprising welding joints such as shoe rack, book rack, stands for flower pots, house hold applications etc.	1) Hack saw frame 2) Flat file 3) Hammer 4) Measuring tape 5) Try square 6) Bench vice 7) Welding transformer 8) Hand screen 9) Hand gloves 10) Chipping hammer	20 20 05 03 20 16 03 18 12 06	20 20 05 02 20 16 03 12 12 06	Yes

Item No.26

A) Facilities for conducting Practicals in the Laboratories

Name of Course : **Mech.** Class: - **S.E.** Subject: - **Workshop Practice -IV**

Name of the Department / Section:- **Workshop**

Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required performing prescribed Practicals

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	One mini project on die making for sheet metal working. Rubber or plastic die/ vice assembly/ hammer assembly/ pulley assembly/ coupling assembly/ drilling jig.	1) All geared lathe M/C 2) Milling M/C 3) Machine Vice 4) Power hack saw M/C 5) Verniner caliper 6) Drilling M/C 7) Dial test indicator 8) Cutters 9) HSS tool 10) Spanner set	20. 02. 04. 01. 20. 03. 03. 02. 20. 01	28 02 04 01 30 03 03 16 40 01	Yes
2	One job of programming and manufacturing on CNC Lathe	1) CNC lathe M/C 2) Vernier caliper 3) Spanner set	01 05 01	01 10 01	Yes
3	One job of programming and manufacturing on CNC milling or trainer	1) CNC milling M/C 2) Vernier caliper 3) Spanner set	01 05 01	01 10 01.	Yes

4	Plumbing shop- O ne pipe assembly including Union, T-joint, Elbow, Cock fitting.	1) Pipe Vice 2) Die Set 3) Hand Hacksaw frame 4) Bending Machine	16 20 20 1	16 17 20 1	Yes
5	Disassembly and assembly of following mechanism for preventive maintenance. a) All geared head stock b) Apron mechanism c) Quick return mechanism d) Spindle assembly in a driiling machine.	1) All geared lathe M/C **2) Shaper machine** **3) Drilling machine**	20. 01 01	28 01 04	Yes

A) Facilities for conducting Practical in the Laboratories

Name of Course: - **Engineering** Class: - **FE Common** Subject: - **Chemistry**

Name of the Department / Section: -Applied Science Dept./ Chemistry Section.

Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required to perform prescribed Practical

Subject: EC -I

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	To measure total hardness of given water sample.	a. Burette (10ml) b. Pipette c. Measuring cylinder d. Titration Flask. e. Burette stand	10 10 10 10 10	12 24 12 36 24	Yes
2	Estimation of phenol volumetrically in given solution	a. Burette (25 ml) b. Pipette c. Measuring cylinder d. Titration Flask e. Burette stand f. Beakers	10 10 10 10 10 10	24 24 12 36 24 24	Yes
3	Determination of chloride content in the given sample of water by Mohr's method	a. Burette (25 ml) b. Pipette d. Titration Flask. d. Beakers e. Burette stand	10 10 10 10 10	24 24 36 24 24	Yes
4	To determine the coefficient of viscosity of a given liquid using Ostwald viscometer.	a. Ostwald viscometer. b. Burette (25ml) c. Beakers d. Burette stand	10 10 10 10	10 24 24 24	Yes
5	Determination of amount of NaOH & Na_2CO_3 in given Alkali mixture	a. Burette (25 ml) b. Pipette c. Measuring cylinder d. Titration Flask e. Burette stand f. Beakers	10 10 10 10 10 10	24 24 12 36 24 24	Yes

Subject **: EC - II**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	Determination of acid value of resin and vegetable oils.	a. Burette (10ml) b. Pipette c. Measuring cylinder d. Titration Flask e. Burette stand	10 10 10 10 10	12 24 12 36 24	Yes
2	To determine the electro chemical equivalent of copper using copper voltmeter	a. Copper voltmeter b. Stop -Watch c. Ammeter d. Voltmeter e. Copper plate	02 02 02 02 02	03 06 03 03 03	Yes
3	Determination of PH value of water by PH meter.	a pH-meter b. Beaker c. Glass electrode d. Stirrer e. Burette stand	02 06 02 06 02	02 24 02 10 24	Yes
4	Determination of percentage of moisture ash content coal sample.	a. Oven b. Muffle Furnace c. Desiccators d. Two pan balance	01 01 01 02	01 01 01 03	Yes
5	Determine of partition coefficient of iodine betn.water and carbon tetra-chloride.	a. Burette (25 ml) b. Pipette c. Measuring cylinder d. Titration Flask e. Burette stand f. Beakers g. Stoppered Bottles h. Separating flasks	10 10 10 10 10 10 09 03	24 24 12 36 24 24 24 06	Yes

Item No.26

A) Facilities for conducting Practical in the Laboratories

Name of Course: - **Engineering** Class: - **FE Common** Subject: - **Physics**

Name of the Department / Section: -Applied Science Dept./ **Physics Section**.

Subject wise & laboratory wise Lists of material, machinery, equipment & Instrument required to perform prescribed Practical

Subject: **EP -I**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	Semiconductor Diode characteristics	Diode characteristics kit	05	03	Yes
2	Forbidden gap in semiconductor	Forbidden gap kit	05	03	Yes
3	Wavelength of He-Ne laser	He-Ne laser Diffraction grating	05	03	Yes
4	Uses of CRO	CRO Function generator	05	02	Yes
5	Fibre Optics Communication	Fibre Optics trainer kit	05	03	Yes
6	Study of Display devices	Display devices kit	05	02	Yes
7	B-H Curve	B-H Curve kit	05	03	Yes
8	Magnetic susceptibility measurement	Magnetic power supply Strong magnets	05	03	Yes

Subject: **EP -II**

Sr. No	Experiment Title	Name of Equipment, Machinery Instrument etc. Required to Conduct Experiment	Quantity		Whether expt. can be conducted
			Required	Available	
1	Determination Of Specific Charge Of An Electron By Thomson Method	C.R.T. Power supply Magnetometer Stop Watch	3 3 3 3	3 3 3 3	Yes
2	Use Of Sound Level Meter	Sound Level Meter	3	3	Yes
3	Characteristics Of Solar Cell & Calculation Of Fill Factor	Solar Cell kit	2	2	Yes
4	Use Of Ultrasonic Detector	Frequency Generator	3	3	Yes
5	Determination Of Wavelength Of Sodium Light By Michelson Interferrometer	Michelson Interferrometer Sodium Lamp	2 1	2 1	Yes
6	Wavelength by Diffraction grating	Diffraction grating Spectrometer	3	3	Yes
7	Resolving Power of Telescope	Telescope	1	1	Yes
8	Ultrasonic Interferrometer	Frequency Generator Measuring cell	2 2	2 2	Yes

Computing Facilities Existing for the existing programmes 2009-10

Sr. No.	Particulars	Requirements as per Norms	Availability
01.	No of Computer Terminals	600	709
02.	Hardware Specification	PIV Processor	P-IV = 607 P-III = 03 Others = 99
03.	No of Terminals on LAN/WAN	300	375
04.	Relevant Legal Software	• At least 02 System software packages • At least 08 Application software packages	• 32 system software packages • 52 Application software packages
05.	Peripherals / Printers	60 Printers	• Printers= 79 • Scanners = 9
06.	Internet Accessibility (in kbps & hrs)		• Leased Line = 2 MBPS • Reliance Datacard = 3 x 256 = 768 KBPS • Broadband = 2 x 512 = 1024 KBPS

College is having Wireless and OFC Connectivity through out the Campus

Central Computing Facility

1	Number of Systems available	43
2	Configuration of the Systems	IBM PC –6824 P-IV @ 1.8 GHz , Intel 845 G1 Chipset Motherboard 128 M.B.DDR RAM , HDD 40GB, 1.44 MB FDD, Keyboard, Mouse, CD Drive, 10/100 MBPS Ethernet Card, Monitor 15”
3	Total Number of Systems Connected in LAN	43
4	Total Number of Systems Connected in LAN	43
5	Internet band width	• Leased Line = 2 MBPS • Reliance Datacard = 3 x 256 = 768 KBPS • Broadband = 2 x 512 = 1024 KBPS
6	Major software Packages Available	• Windows 2000 • Novell Small Business suite 6 • Red Hat Linux 8.0 • Borland TC++ suite • Personal Oracle • Visual Studio Dot net • MS Office 2000
7	Special Purpose Facilities Available	• MATLAB 6.0 S/W. in E& TC Department • Ideas s/w. in Mechanical Engg. Department • Auto CAD 2005 in Mechanical Engg. Department. • OrCAD 15.5 in E&TC Department • Rational suit Enterprise Ver.2002.5.20 in Computer Department • ASPEN HYSYS SOFTWARE in Chemical Department • PLC ,SCADA in Electrical Department • ETAP Power Station (Educational Version) in Electrical Department • Language Lab Software in Applied Science Dept. • Attendance Tracking Software in Applied Science Department • Ansys Introductory Multi physics software version 10.0 in Mechanical Department

S.S.B.T's College of Engineering & Technology,
Bambhori, Jalgaon.

Details of Licensed Softwares: -

Name of the software	No. of User License	Price
➢ **Multi user Operating Systems**		
SCO Unix 5.0.4 Enterprise.	16 Users	1,13,000
Win NT 4.0	25 Users	38,000
Windows 2000	25 Users	44,000
Novell Netware 5.12	25 Users	1,30,500
Win XP with IBM M/C	25 Users	Free
Red Hat Linux 7.2	Multi-user	15,000
Red Hat Linux 8.0	Multi-user	5,800
Windows 2000	40 Users	20,550
Novell Small Business suit 6	25 Upgrade + 25 Additional	78,473
Novell Linux Desktop 9	5 Users	13,000
MSDN Academic Alliance S/W Product (Ordered)	Multi User	39,900
➢ **Single user Operating Systems**		
Win 95	01 User	3,000
Win 98	01 User	3,500
MS-DOS 6.2	01 User	1,500
Tick RTOS with Compiler, debugger etc.	01 User	90,875
SUSE Linux Enterprises Server 9	01 User	12,480
➢ **Compilers**		
TC++	01 User	8,500
VC++	01 User	4,000
VB 6.0 Pro.	01 User	20,000
VJ++ 1.0	01 User	2,500
Boroland TC++ Suite	Multi-user	2,850
Visual Studio .Net (Media kit)	20 Users	61,500
i) ASP		
ii) VC++		
iii) VB++ 1.0		
iv) VJ++ 1.0		
v) C#		
FORTRAN 77 on DOS	01 User	5,000
Ansi COBOL on DOS	01 User	15,000
PASCAL on DOS	01 User	15,000
FORTRAN 77 on Unix	16 Users	15,000
Ansi COBOL on Unix	16 Users	40,000
PASCAL on Unix	16 Users	15,000

S.S.B.T's College of Engineering & Technology,
Bambhori, Jalgaon.

Details of Licensed Softwares: -

Name of the software	No. of User License	Price
➢ **Applications Packages**		
Rational suit Enterprise Ver.2002.5.20	10 Users	3,00,000
MS Office 2000	01 User	9,500
Ideas	07 Users	16,01,600
Ideas 11 nx Series (Upgraded Version)	07 Users	2,80,000
MDT	01 User	50,000
Ansys Introductory Multi physics software version 10.0	05 Users	1,83,750
AutoCAD 2005	10 Users	2,90,000
MATLAB	02 Users	3,16,201
AutoCAD inventor Professional Suite 2010	15 Users	1,82,000
Build Master	01 User	26,000
Adfast	01 User	12,500
SEPL LS Drafter	01 User	7,500
STRUDS	03 Users	36,000
TECS	03 Users	27,000
CM (Construction Manager)	03 Users	16,500
En Soft Build Master	03 User	27,000
Super Civil	01 User	1,250
G.I.Software Gram++(2No.s)	2 Users	10,000
MATLAB 6.5	05 Users	6,16,064
OrCAD 15.5	05 Users	2,26,250
VLSI Software of Xilinx	Multi Users	40,000
PCB Software (Ulti board)	01 User	41,800
Sim 2K	01 User	59,000
ASPEN HYSYS SOFTWARE	150 Users	3,01,080
PLC ,SCADA	01User	3,37,500
ETAP Power Station (Educational Version)	01 User	1,00,000
Soul	Multi User	20,000
Shree Lipi	01 User	3,000
ASM	01 User	5,000
Tally	05 Users	15,000
Language Lab Software	15 Users	1,95,000
Attendance Tracking Software	09 Users	30,000

Antivirus		
Antivirus QH V 5.10	01 User	2,700
Antivirus QH Kit	01 User	3,000
Antivirus Dr. Soloman for Win NT	Multi-user	18,500
Antivirus Dr. Soloman Antivirus V 7.9	01 User	1,500
Antivirus Norton 2001 Symantics for Win 95/98	01 User	1,800
Antivirus Norton 5.0	01 User	1,500
Antivirus Macafee	01 User	3,000
Antivirus Norton 2000 7.5.1 (for NT)	Multi-user	8,500
QH Antivirus Plus 2007	30 Users	24,000
Net Protector 2007	30 Users	32,000
Mcafee Plus 2007	01 User	900
Net Protector Server 2007	05 Users	11,000
Net Protector 2009	04 Users	2,000
Net Protector 2009	150 Users	59,250 (150 x 395)
➢ **Database Support**		
Oracle Personal 8.0	01 User	14,000
Oracle on 8 Relese 8.0.3 for Win NT	05 Users	48,000
SQL Server 2000	30 Users	56,600
Oracle 9i (standard Edition) for server.	10 Users	1,15,000
Power Builder Enterprise 6.0	01 User	79,500
Oracle Developer suite 10g with WDP Programme	100 User	2,75,027
Total		**69,38,200**

APP-07A-MD

Computer & IT Department

Details of Licensed Softwares

Name of the software	No. of User License	Price
➢ **Multi user Operating Systems**		
SCO Unix 5.0.4 Enterprise.	16 Users	1,13,000
Win NT 4.0	25 Users	38,000
Windows 2000	25 Users	44,000
Novell Netware 5.12	25 Users	1,30,500
Win XP with IBM M/C	25 Users	Free
Red Hat Linux 7.2	Multi-user	15,000
Red Hat Linux 8.0	Multi-user	5,800
Windows 2000	40 Users	20,550
Novell Small Business suit 6	25 Upgrade + 25 Additional	78,473
Novell Linux Desktop 9	5 Users	13,000
MSDN Academic Alliance S/W Product (Ordered)	Multi User	39,900
➢ **Single user Operating Systems**		
Win 95	01 User	3,000
Win 98	01 User	3,500
MS-DOS 6.2	01 User	1,500
Tick RTOS with Compiler, debugger etc.	01 User	90,875
SUSE Linux Enterprises Server 9	01 User	12,480
➢ **Compilers**		
TC++	01 User	8,500
VC++	01 User	4,000
VB 6.0 Pro.	01 User	20,000
VJ++ 1.0	01 User	2,500
Boroland TC++ Suite	Multi-user	2,850
Visual Studio .Net (Media kit)	20 Users	61,500
i) ASP		
ii) VC++		
iii) VB++ 1.0		
iv) VJ++ 1.0		
v) C#		
FORTRAN 77 on DOS	01 User	5,000
Ansi COBOL on DOS	01 User	15,000
PASCAL on DOS	01 User	15,000
FORTRAN 77 on Unix	16 Users	15,000
Ansi COBOL on Unix	16 Users	40,000
PASCAL on Unix	16 Users	15,000

Computer & IT Department

Details of Licensed Softwares

Name of the software	No. Of User License	Price
➢ **Applications Packages**		
Rational suit Enterprise Ver.2002.5.20	10 Users	3,00,000
MS Office 2000	01 User	9,500
Antivirus		
Antivirus QH V 5.10	01 User	2,700
Antivirus QH Kit	01 User	3,000
Antivirus Dr. Soloman for Win NT	Multi-user	18,500
Antivirus Dr. Soloman Antivirus V 7.9	01 User	1,500
Antivirus Norton 2001 Symantics for Win 95/98	01 User	1,800
Antivirus Norton 5.0	01 User	1,500
Antivirus Macafee	01 User	3,000
Antivirus Norton 2000 7.5.1 (for NT)	Multi-user	8,500
QH Antivirus Plus 2007	30 Users	24,000
Net Protector 2007	30 Users	32,000
Mcafee Plus 2007	01 User	900
Net Protector Server 2007	05 Users	11,000
Net Protector 2009	04 Users	2,000
Net Protector 2009	25 Users	9,875 (25 x 395)
➢ **Database Support**		
Oracle Personal 8.0	01 User	14,000
Oracle on 8 Relese 8.0.3 for Win NT	05 Users	48,000
SQL Server 2000	30 Users	56,600
Oracle 9i (standard Edition) for server.	10 Users	1,15,000
Power Builder Enterprise 6.0	01 User	79,500
Oracle Developer suite 10g with WDP Programme	100 User	2,75,027
Total Cost		**17,30,130**

Extra Curriculum Activities

1) Cultural activity committee :

1) Shri S.L. Patil	(Civil)	: Chairman
2) Shri N.Y. Ghare	(Chemical)	: Member
3) Shri R.P. Bornare	(MBA)	: Member
4) Shri D.R. Lohar	(Mechanical)	: Member
5) Ms. Kruti Shah	(I.T.)	: Member
6) Shri Sarange Shripad	(Mechanical)	: Member
7) Shri S.M. Shembekar	(Electrical)	: Member
8) Shri S.A. Seragi	(Electrical)	: Member
9) Shri C.V. Nikam	(App. Sci.)	: Member
10) Shri Dipak Bari	(App. Sci.)	: Member
11) Shri S. Shranappa	(Biotech)	: Member

2) Seminar Hall 02 Nos. Seating capacity 166 for each.

3) Audio Video facilities including mike system, LCD, OHP, Computer Camera recording system.

4) Funds available

5) List of activities carried out in each year

a) Sketching
b) Debate
c) Quiz
d) Group Discussion
e) Elocution
f) Traditional Day
g) Celebration Independence Day
h) Celebration Republic Day
i) Ganesh Utsav
j) Arranging Workshop like Personality development
k) Fashion Show
l) Dance Competition
m) Singing Competition
n) Rangoli Competition
o) Annual Gathering
p) Personality Contest
q) Ad Mad Show
r) Dum Charad Competition

Soft Skill Development Facilities

The soft skill development facilities is provided at the college level through Training and Placement Cell which is headed by Training and Placement Officer. One faculty member of each department is the member of the cell. They are provided with computer tools such as scanner, Internet etc.

We had signed an MOU with Astrum solution (Pvt.) Ltd., New Delhi for skills & personality development for success in professional & personal life.

The college is the member of the federation of the engineering colleges under North Maharashtra University, Jalgaon and the soft skill facilities are also provided at the federation level. The Training and Placement Cell caters to soft skill development in the following areas :

a) Work ethic
b) Courtesy
c) Teamwork
d) Self-discipline and self-confidence
e) Conformity to prevailing norms pertaining to dress, body language, tone of voice and vocabulary according to the particular culture of the given workplace.
f) Language proficiency and environmental awareness

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

Department: - 1) **Civil Engineering**

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
1	Departmental Office	102	6 x 4	24	Administrative
2	HOD Cabin	102(A)	6 x 3	18	Administrative
3	Staff Cabin	105(A) 105(B) G20 (B) 305 (A)	4.5 x 4.5 6 x 3 3 x 3 3x7.5	20 18 09 23	Administrative 121
4	Class Room	205(A) 204 205 (B)	6 x 7.5 6 x 9 12 x9	45 54 108	Instructional 369
5	Drawing Hall/ Seminar	305 (B)	12 x 9	108	Instructional
6	Laboratories				1506
	1) Structural Model Lab	108	12 x 9	108	Instructional
	2) TOM Lab	G9 + G10	21 x 9+6 x 6	225	
	3) Engineering Mechanic	109+110	18 x 9	162	
	4) Geotechnical Lab	G13	18 x 9+9 x 3	189	
	5) Survey Store	B 7, 108 G16	3 x 6+ 6 x 9 12 x9	180	
	6) Fluid Mechanics	G19 G20 111	12 x 9 9 x 9 +3x3 12 x 9	108 90 108	
	7) Engg. Geology Lab	101	12 x 9	108	
	8) Environmental Lab	103+104	12 x 9	108	
	9) Transportation Lab	105	9 x9+6 x 1.5	90	
	10) Computer Lab	102(B)	6 x 6	36	
	11) Departmental Library	102(C)	6 x 5	30	
	13)Drawing & Reprography	116	6 x 3	18	
7	Store	G 20 (A)	3 x 3	09	Administrative
8	Toilet	G11+G12 106+107 206+207	3 x 6 3 x 6 3 x 6	18 18 18	Amenities 54
9	Passage, Passage GF, FF, SF Stair	G8 205 212	1.5 x 5.5 6 x 1.5 6 x 1.5 3x51x3 3x 3x4.5	8.25 09 09 459 40.5	Circulation & Other 525
	Total			2575	

Total Instructional area =1875
Total Administrative area =121
Total Amenities area=54

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

Department: - 2) **Computer Engineering**

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maxim m x m	Carpet Area in Sq m.	Remarks
1	Departmental Office	G22	6 x 6	36	Administrative
2	HOD Cabin (Computer) HOD Cabin (I. T.)	G22 (B) G28 (B)	6 x 3 3 x 3	18 09	Administrative
3	Staff Cabin	B2 B2 (B) G22(C) G22 (D) G22 (E) G28 G25 G25 (A) G 34,35,37 124 129	6 x 3 3 x 3 3 x 3 6 x 3 3 x 6 3 x 4.5 3 x 3 6 x 3 3x9x3 6x7.5 6x3	18 09 09 18 18 13.5 09 18 81 45 18	Administrative 320
4	Class Room	208 209 130* 131* 132 125+126	18 x 9 18 x 9 9 x 9 9 x 9 9 x 9 12 x 9	162 162 81 81 81 108	Instructional 675+162
5	Seminar Hall AC	G24	18 x 9	162	Instructional
6	Laboratories				Instructional
	1) Unix Lab	B1 (A)	6 x 7.5	45	
	2) Digital and Microprocessor Lab	B1 (B)	6 x 7.5	45	
	3) Novell N/W- II Lab	B1(C)	6 x 9	54	
	4) Novell N/W- I Lab	B2 (A)	15 x 6	90	
	5) Windows NT Lab	G25 (B)	9 x 6	54	
	6) Software Lab-I	G25(C)	9 x 7.5	67.5	
	7) Advanced computing Lab	G28 (A)	6 x 9	54	
	8) Software Lab-II	G28(C)	6 x 7.5	45	
	9) Lab 9	G29	6 x 9	54	
	10) Lab 10	G34	12x9	108	
	11) Lab 11	G35	12x9	108	
	12) Lab12	G37	15x9	135	
	13) Lab 13	B11,12	12x9	108	
	9) Departmental Library	B5 B13	9 x 3 6x7.5	27 45	1040
7	Toilet	G26+G27 G36	3 x 6 3x3	18 9	Amenities 27

8	Passage, Store Server Room UPS Room Passage GF Passage Basement Stair GF , Basement	B2(C) B1 G28 G25 B2 (D) G22 (A) B3 GF SF	3 x 3 12 x 3 3 x 3 9 x 1.5 9 x 1.5 3 x 3 3 x 3 3 x 3 50x3 21x3 12x3 2x3x4.5	09 36 09 13.5 13.5 09 09 09 150 66 36 27	Circulation & Other 387
	Total			2583	

Total Instructional area = 1877
Total Administrative area =**320**
Total Amenities area=**27**

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

Department: - 3) **Biotech**

Building wise / Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
1	Departmental Office	243	6 x 4.5	27	Administrative
2	HOD Cabin	243(A)	6 x 3	18	Administrative
3	Staff Cabin	237	3 x 6	18	63
4	Class Room	223 224 235	6x9 6x9 9x9	54 54 81	Instructional 189
5	Seminar Hall cum Drawing Hall	236	9 x 9	81	Instructional
6	Laboratories				Instructional
	1) Microbiology Lab	238+239	18 x 9	162	405
	2) Molecular Biology Lab	245	9 x 6	54	
	3)Library cum Computer Lab	244	6 x 9	54	
	4) Lab	242	12 x 9	108	
	5) Lab	234	3 x6	18	
7	Toilet	240	3 x 3	09	Amenities
	Passage SF Stair		66x3 1x3x4.5	198 13.5	Circulation 212
	Total			**950**	

Total Instructional area = **675**
Total Administrative area =**63**
Total Amenities area=**09**

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

Department: -4) **Mechanical Engineering**

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
1	Departmental Office	M111	7.5 x 7.6	57	Administrative
2	HOD Cabin	M110	7.5 x 3.6	27	Administrative
3	Staff Cabin	M2,3,6,7 M101 M102,3 M201 M202 M207 M208 M209 M214	4x3.7x3.7 3.4x3.7 2x3x3.7 3.75x3.5 3X3.5 4.5x3.75 5.75x3.5 3.5x1 4.5x3.75 2.5x3.75	55 13 22 13 10.5 17 20 3.5 17 9	Administrative 284
4	MESA Office	M310	7.5x4	30	Administrative
5	Class Room	M301 M302 M303 M304	7.5x11 7.5x11.3 7.5x11.3 7.5x11.3	82 85 85 85	Instructional 557
6	Drawing Hall	M305	9.7x7.5	73	Instructional
7	Seminar Hall	M107	7.5x18.75	141	214
8	Laboratories				Instructional
	1)Heat Transfer Lab	M01	7.5x18.75	141	1379
	2)Refra. &AC	M02	7.5 x18.75	141	
	3)Heat Power Lab	M08	7.5x18.75 2.25x7.5	158	
	4) Computer Lab	M105	7.5x19	142	
	5) CAD CAM Lab	M106	7.5x18.75	141	
	6) Tribology Lab	M203	9.5x11.2 7.5x1	114	
	7) Materials Science Lab	M204	9.5x11.3	107	
	8) Metrology Lab	M205	9.5x11.3	107	
	9) Mechatronics Lab	M206	9.5x11.3 7.5x1	114	
	10) Theory of Machine Lab	M210	9.5xx11.3	107	
	11) Model & project Lab	M213	9.5x11.3	107	
	12) Dept library	M104	7.5x7.25	54	84
9	Toilet	M108	6x3.8x3.8	87	Amenities 87
10	Passage, Passage FF,SF& TF Passage FF & TF Passage SF Stair	GF	2.75x20 3x12.75 x3.75 3x42x2.75 3x4x10.5	55 143 346 126	Circulation & Other 670
	Total			3245	

Total Instructional area = **2234**

Total Administrative area =**254**

Total Amenities area=**87**

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

Department: - 5) **Chemical Engineering**

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
1	Departmental Office	139	6 x 4.5	27	Administrative
2	HOD Cabin	139 (A)	6 x 3	18	Administrative
3	Staff Cabin	G42 (A) G42 (B) G44 (B) G45 (A) G45 (B) 134 124	3 x 3 3 x 6 3 x 4.5 3 x 3 3 x 4.5 3 x 6 7.5 x 6	09 18 13.5 09 13.5 18 45	Administrative 178
4	Class Room	122 123 133	6 x 9 6 x 9 9 x 9	54 54 81	Instructional 270
5	Drawing Hall & Seminar Hall	135	9 x 9	81	Instructional
6	Laboratories				648
	1) Mass transfer Lab	G42	15 x 9	135	Instructional
	2) M. O. Lab	G44	12 x 9	108	
	3) C. R. E. Lab	138	12 x 9	108	
	4) C. T. Lab	140	12 x 9	108	
	5) I. P. C. Lab	G45	12 x 9	108	
	6) Computer Lab + Departmental Library + Store	136	9 x 9	81	
8	Toilet	137 G43	3 x 3 3 x 3	09 09	Amenities 18
9	Store	G44 (A)	3 x3	09	Administrative
10	Compressor room Passage GF,FF Passage GF,FF Stair GF'FF'		2x 3 2x54x3 2 x 6x3 3x3x4.5	06 324 36 40.5	Circulation & Other 406
	Total			1520	

Total Instructional area = **918**
Total Administrative area =**178**
Total Amenities area=**18**

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

Department: - 6) **Electrical Engineering**

Building wise / Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
1	HOD Cabin, Departmental Office.	E01	7.5x9.65	72	Administrative
	Staff Cabin	In labs	6x2.75x3.75	52	Administrative
2	Class Room Lab IX Class Room Lab X Class Room	 303 305	 11.40x7.60 11.40x7.60	 87 87	Instructional 174
3	Seminar Hall cum Drawing Hall (Class room TEMP)	E03	7.5X7.5	56	Instructional 56
4	Laboratories				Instructional
	1) Measurement Lab		15 x 7.5	113	749-52=697
	2) Control System		7.5 X11.25	84	
	3) Electrical Machine Lab	--	15 x 15 + 3.6 x 2.1	233	
	4) Switch Gear and Protection Lab	--	7.4 x 15	111	
	5) Library cum Computer Lab		7.5X3.8 +3.6X2.1	32	
	6) High Voltage Lab		7.4x6	44	
	7) Lab	E115	7.4x15 3.65x5.8	132	
5	Toilets		3.65x3.65	13	Amenities 13
6	Circulation Paved passage	stair GF	2x12 3 x 46 3 x 23	24 138 69	231
	Total			**1295**	

Total Instructional area = **927**
Total Administrative area =**124**
Total Amenities area=**13**

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

Department: - 7) **Electronics & Telecommunication Engineering**

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
1	Departmental Office	202	6 x 6	36	Administrative
2	HOD Cabin	202(A)	6 x 3	18	Administrative
3	Staff Cabin	202(B) 202(C) 121(C) 214 121	6 x 6 6 x 3 3 x 3 6 x 3 3 x 3	36 18 09 18 09	Administrative 144
4	Class Room	203+204 212(A B) 115 115A 205 (B)	12 x 9 12 x 9 12 x 9 12 x 9 9 x 9	108 108 108 108 81	Instructional 432
5	Drawing Hall	213(A)	6 x 7.5	45	
	Seminar Hall	G14	18x9	162	Instructional 207
6	Laboratories				Instructional
	1) SCDC Lab	201	9 x 9	81	
	2) Electronic Design Lab	119(A)	9 x 9	81	
	3) Computer Lab	119 (B)	6 x 9	54	
	4) EDC Lab	121	12x9	108	
	5) Microprocessor Lab	213 AB	12 x 9	108	
	6) Communication Lab	215	9 x 9	81	
	7) RMT Lab	216	9 x 9	81	
	8)Televisión Lab /consumer Elex Lab	217(A)	9 x 9	81	
	9) NAS & Telematic Lab	217	9 x 9	81	
	10) Basic Electronics & OFC Lab	220	9 x 9	81	
	11) Basic Electrical & power Electronics	221	12 x 9	108	
	12) Project Lab	220	6 x 9	54	
	Lab12 Lab 13	115 B 115 D	18 x 9 18 x 9	162 162	
	13) Library	201(A)	3 x 7.5	22.5	
7	Toilet	117+118 218+219	3 x 6 3 x 6	18 18	Amenities 36
	Passage Passage GF, FF, SF Passage FF, SF Passage SF Stair Stair	201	3 x 1.5 3x12x3 2x27x3 18x3 3x4.5x4.5 3x3x4.5	4.5 108 162 54 60.75 40.5	Circulation 430
	Total			2594	

Total Instructional area = **1984**
Total Administrative area =**144**
Total Amenities area=**36**

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

Department: - 8) **Information Technology**

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
1	HOD Cabin	E203	3.65x5 3.80x1.80	25	Administrative
2	Departmental Office	E211	3.5x7.3	26	Administrative
3	Staff Cabins Staff Cabins	E210-203 TF1,2,8,9	3x3x3.65 4x3.8x3.8	33 58	Administrative
4	Class Rooms	311 312	11.40x7.60 11.40x7.60	87 87	Instructional 174
5	Seminar Hall	310	22.90x7.60	174	174
6	Laboratories				Instructional
	1) Lab III	E205	9.55x7.65	73	656
	2) Lab I	E206	9.55x7.65	73	
	3) Lab IV	E209	7.55x9.15	69	
	4) Lab V	E210	7.90x7.30	58	
	5) Lab II		11.40x7.60	87	
	6) Lab VI		11.40x7.30	83	
	7) Lab VIII		12.80x7.60	97	
	8) Lab VII		12.80x9.10	116	
7	Common Room		7.60x7.60	58	Amenities
	Toilet		2x7.65x3.8	58	Amenities116
8	Passage SF Stair	SF SF SF TF	11.5x1.80 30.5x1.8 46x2 7.5x2 2x7.5x3.75 41x1.8 3.65x9 2x9.5x3.8 2x6.2x1.9	21 55 92 15 56 74 33 +11 72 24	Circulation 453
				1715	

Total Instructional area = 1004

Total Administrative area =142

Total Amenities area=116

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

Department: - 9) **MBA**

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
1	HOD Cabin	E104	3.65x3.65	13	Administrative
2	Staff Cabin	E101-103 E108	3.65x3.65 2x3x3.65 3.8x5.8	13 22 22	Administrative
3	Class Room Class Room	E114 E112-113	7.65x7.65 2x7.65x7.65	59 117	Instructional
4	Tutorial room	E107	3.8x7.65	29	Instructional
5	Computer Lab	E115	11.5x7.65	88	Instructional
	Departmental Library	E105	7.65x5.8	44	
	Seminar Hall	E106	7.65x5.8	44	
6	Girl's Common Room	E110	7.65x5.8	44	Amenities
	Boy's Common	E109	7.65x5.8	44	Amenities
7	Passage Stair	FF	 2x3.65x9	106 66	Circulation 172
	Total			711	

Total Instructional area = 381
Total Administrative area =70
Total Amenities area=88

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

Department: - 10) **Library**

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
1	Reading Room		12 x 12 18 x 9 6x12	144 162 72	Instructional 1062
2	Entrance Lobby		6 x9	54	
3	Liberian, Issue counter		6x6	36	Administrative
4	Stack Room		39 x 9	351-36	
5	Reference Section		18 x 9	162	
6	Magazine, Book Bank		12 x 9	108	
7	E lib		6x7.5	45	
8	Store		12 x3	36	Administrative
9	Xerox		3x3	9	Amenities 36
10	Toilets		2x3x3	18	
11	Drinking water		3x3	9	
12	Passage		2x24x3	144	Circulation
	Total			1314	

Total Instructional area = 1062
Total Administrative area =72
Total Amenities area=36

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

Department: - 11) **Applied Science**

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
1	HOD Cabin	G41	3 x 6	18	Administrative
2	Staff Cabin	B14(A) G40(A) G40 (B) G39 G34 B10 B16	3 x 6 3 x 6 3 x 3 3x9 3x7.5 3x3 3x3	18 18 09 27 22 9 9	Administrative 112
3	Class Room	130* 131* 229 230 232 233 322 325 226+27	9x9 9x9 9 x 9 9 x 9 9 x 9 9 x 9 12x9 12x9 12x9	81 81 81 81 81 81 108 108 108	Temp Temp Instructional
4	Drawing Hall	M306 M309	9.7 x 11.3 9.7 x 11.3	110 110	Temp Temp
5	Laboratories				Instructional
	1) Physics Lab	B14 B10 B16	15 x 9+3 x 3 3 x 3 12x9	144 09 108	
	2) Chemistry Lab	G40 G39	15 x 9 12 x9	135 108	
	3)Language Lab	114	12x9	108	
6	Toilet	228	2x3 x 3	18	Amenities
	Passage Stair		54x3 3x4.5	162 13.5	Circulation & other
	Total				

Total Instructional area =1363
Total Administrative area =130
Total Amenities area=18

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

Department: - 12) **Computer Centre**

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
1	I/C Cabin	128(A)	3 x 3	09	
2	Computer Centre	128	15 x 9 3 x 3	135 09	
3	UPS Room	128(B)	3 x 3	09	
	Total			162	

Total Instructional area = **162**

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

13) Workshop

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum M x m	Carpet Area in Sq m.	Remarks
1	Main Work shop	--	45.5 x 15	683	
2	Black Smithy	--	15 x 6.7	101	
3	Foundry Shop	--	4.65 x 9	42	
4	Fitting shop old canteen	--		210	
5	Carpentry New Mech bldg	M05	10.5x18.75	197	
6	Store (Near propose Bank)	--	6 x 6	36	
7	Store (Below Hostel 1)	--	7.32 x 4.57	34	
	Total			1303	

Total Instructional area = 1233
Total Administrative area =70
Total Amenities area= ---

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

Department: - 14) **Tutorial Rooms**

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
1	**Tutorial Rooms**	D1 to D14	8 x 4	448	Instructional
		E107		29	
				477	

Total Instructional area = **477**

15) Administrative

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum M x m	Carpet Area in Sq m.	Remarks
1	Conference Room	G02	9 x 4.5	40.5	co
2	Anti Chamber	G03(A)	4 x 4.5	18	co
3	Principal	G7	6 x 5.25	31.5	co
4	Dy. Registrar	G6	3 x 3	09	co
5	Director's Cabin	G6(A)	3 x 3	09	co
6	E.D.P. Office	G17	3 x 3	09	co
7	O.S	G31	3 x 6	18	co
8	Training & Place. Office	&G08	9 x 6	54	
9	Maintenance Office				
10	Main Office	G4 G5	6 x 9 6 x 6	54 36	co
11	A/C Office	G21	6 x 3	18	co
	A.O	G32	3 x 6	18	co
12	Caretaker Room	G15	2 x 3	06	co
13	Waiting + Pantry Room	G3	4.5 x 4.5	20	co
14	Reception cum waiting	G01	3 x 9	27	co
15	Xerox Room	G18	1.2 x 3	3.6	
16	Security Office	--	3 x 3	09	
17	General Store	B6	9 x 9	81	
18	Garden Maintenance Store	G23	2 x 3	06	co
19	Exam Record Room	211+210	3 x 3+3 x 3	18	co
20	Exam office	231	3 x 6	18	co
21	Office Record Room				
22	Office Store	D16, 17,18	27.88 x 3	84	co
23	Maint. Store Electrical				
24	Maint. Store Plumbing	D15	7.62 x 3.66	28	
25	Rector office Hostel 1		3.66x4.57	17	
26	Warden Office		2.43x2.82	7	
27	Store below staff Qtr A				
28	U P S Room	G17 (A)	1.2 x 3	3	
29	Electrical Room	B4	3 x 3	09	
30	Toilet	G7 (A)	1.2 x 1.2	1	
		G30 (A)	1.5 x 1.5	2	
	Total			**655**	

16) Amenities

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum M x m	Carpet Area in Sq m.	Remarks
	Girls common room	G30	6.0x9.0	54	
	*Boys common room		6 x 5.5	33	
	Canteen Boys Hostel		4.27x4.27	18	
	College **Canteen** **Near Gate**		11.30x5.80 7.50 x 15.50	116 65	
	Student activity center	G14	18x9	162	
	Gen. Toilet Block		8.91x4.50	40	
	Dinning Hall No 1			184	
	Dinning Hall No 2			247	
	Dinning Hall for Girls			143	
	T V Room (Girls)		7.24 x 7.66	56	
	Medical Room Boys Hostel		3.73 x 4.57	17	
	Medical Room Girls Hostel		3.66 x 4.57	17	
	S T D Room Canteen		3.66x3.05	11	
	Toilet Near Gate Canteen		2x1.2,1.5	4	
	Generator Room		5.0x6.0	30	
	Transformer		7x8	66	
	Meter room		3x3	9	
	Electric Room		2Nosx3x3	18	
	Generator		3x6	18	
	Pump House		5 nosx2x2	20	
	Gymnasium TF		12.25x15.25	187	
	Yoga Gym Change room/ office Stair		12.25x15.25 2 x 9 x1.2 3 x3x6	187 22 54	
	Bus Stop		7.5x10.	75	
	Cycle Stand		18.20x35	637	
	Faculty Club		12x9	108	
	Parking 4 wheeler Class I			348	
	ATM		4.50 x 3.65	27	
	Total			**2973**	

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

17) Open-air theater

Open Air Theater **UC**		76 x 25		1900 Sq.m.

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

18) Residential

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
	Principal's quarter Staff quarter A Staff quarter B Renovated B Staff quarter (sweeper) Staff quarter IV New Staff quarter IV NMU		113 56.4 x 9 56.4x7 66.4 x 4 24.65x3 32.5x6 B/U	113 507 395 266 74 195 282	
	Guest house	A0, A4	56.4x2	113	
	Guest house Guest house VIP Guest House		32.2x4 32.2 x4	129 129 220	
	Hostel 1			1889 134	
	Hostel 2			2479	
	Girls Hostel 3rd floor	1087	660	1747	
	Girls Hostel / Class I staff Quarters		464x4	1856	
	Total			10528	

*Net residential area=10528 sq.m

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON.

19) **Sports**

Building wise/Department wise space allocation

Sr. No.	Particulars/Details	Room No.	Size Maximum m x m	Carpet Area in Sq m.	Remarks
	Sport Office	113	3x3	09	
	Sport store		2.44x3.43	8	
	Badminton (Girls)		15.24x15.24	233	
	Badminton (Boys)		30.87x24.47	755	
	Total			1014	

20)Play field

	Basket ball		30x38		1140
	Cricket, Football, Volleyball		160x66		10560
	Kabaddi ground		30x18		540
	Kho- Kho ground		29 x16		464
	Total				12704
	Total				13992

21**) Roads and Lawn in Campus**

A**) Roads**

(i) Black top road length: 1.06 km

(ii) W.B.M. Road length : 0.80 km

B) Lawn:

(i) Central high land Lawn: 6000 Sqm.

(ii) Central low land Lawn: 1275 Sqm.

(iii) Main Building Lawn: 486 Sqm.

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON

Department wise **carpet area (Excluding Administrative, Amenities)** Summary

Dept.	C.R	T.R	S.R	D.H	Lab.	Comp. lab.	Library	Other	Total Acad. Area
1)Civil	207 03	---	54 0.5	54 0.5	1440 10	36 01	30 01	525	2346
2)Comp.	675 06	---	162 01	---	913 12	54 01	72 01	387	2263
3)Mech.	337 04	---	141 01	73 01	1237 10	142 01	54 01	670	2654
4)Chem.	189 03	---	41 0.5	40 0.5	567 05	41 0.5	40 0.5	406	1324
5)Biotech	189 03	---	41 0.5	40 0.5	342 03	27 0.5	27 0.5	212	878
6)Elec.	174 02	---	28 0.5	28 0.5	717 06	16 0.5	16 0.5	231	1210
7)E&TC	513 05	---	162 0.5	45 01	1188 03	54 0.5	23 01	430	2415
8) IT	174 02	---	174 0.5	---	656 08	---	---	453	1457
9) MBA	176 03	29 01	44 01	---	---	88 01	44 01	172	553
10)App Sci.	648 09	---	---	220 02	504 04	54 01	54 01	176	1656
11) Library	---	---	---	---	---	---	1062 01	144	1206
12) Comp. center	---	---	---	---	---	162	---	---	162
13)Work Shop	---	---	---	---	1233 05	---	---	---	1233
14) Tutorial	---	448 14	---	---	---	---	---	---	448
19)Sports	---	---	---	---	---	---	---	---	---
Total	**3282 40**	**477 15**	**847 06**	**500 06**	**8797 66**	**674 08**	**1422 09**	**3809**	**19805**

Figures below area show numbers of rooms

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON

Department wise **carpet area** Summary for Instructional Administrative Amenities & other

Sr. No.	Department	Instructional	Administrative	Amenities	Total **Carpet Area**
01	Civil	1875	121	54	**2050**
02	Computer	1877	320	27	**2224**
03	Biotech	675	63	9	**747**
04	Mechanical	2234	254	87	**2575**
05	Chemical	918	178	18	**1114**
06	Electrical	927	124	13	**1064**
07	E & TC	1984	144	36	**2164**
08	IT	1004	142	116	**1262**
09	MBA	381	70	88	**539**
10	Library	1062	72	36	**1170**
11	App. Science	1363	130	18	**1511**
12	Comp Center	162	----	----	**162**
13	Workshop	1233	70	----	**1303**
14	Tutorials	449, 28	----	----	**477**
15	Administrative	----	655	----	**655**
16	Amenities	----	----	2973	**2973**
17	Sport	----	----	1014	**1014**
	TOTAL	**16172**	**2343**	**4489**	**23004**

COLLEGE OF ENGINEERING & TECH. BAMBHORI, JALGAON

Distribution of **under construction area (4245 Sqm.)**

Main Building Third floor (Built up area) **2345 Sqm**

Open Air Theater **1900 Sqm**

Proposed work (Planning tendering stage) (3110 Sqm)

MBA Building **3110 Sqm**

Distribution of Proposed Construction area 3110 is as follows

Instructional area	Administrative	Amenities	Total Institute Built Up area	Building
1596	265	531	3110	MBA

Teaching Learning Process

Methodology

For effective teaching learning process good and adequate infrastructure facilities are available. The class rooms and labs / workshop are well lighted with natural light during day time with circulation of fresh air. Conventional methods is adopted where in black board, chalk and faculty are involved in teaching the students in conjunction with modern methods like charts, cut models, OHPS, LCD's , electronics media like e-books , educational CD's, VCD. TV's are adopted by the faculty . Course files for all the subject are available in each department. Each department is having a departmental library and computer lab connected with internet. The central library is computerized with Del Net facilities and has AC reference room in addition to a reading room and staff rooms.

A computer center having 40 terminals is independently available for the use of faculty and students. The computer center is provided with internet facility and is available both during working hours and in additional time also.

Effectiveness

To asses the effectiveness of learning process by the students. Two class test at each month end and an assignment week is conducted where in the students are given an assignment sheets in a period sometime during 5^{th} and 6^{th} week of the term as per notified schedule and the students who gets the maximum marks is given a book on subject as reward with intention of motivating him for better performance in forthcoming university examination. The answer papers are checked in time and are shown to students and are collected back for record duly singed by student concerned.

Internal continuous evaluation system is followed for evaluation of term work as per guidelines issued by the University.

Motivations and rewards

Gold medals are awarded by the Management who are University first position rank holder in branch of Chemical Engg., Production Engg., Computer Engg. and Electronics Engg. in the University convocation. The University toppers are also felicitated at the college level in the afternoon of University convocation day.