

## MANDATORY DISCLOSURE

- NAME OF THE INSTITUTION : Dr V.R.K. College of Engineering & Techology.  
Sivar Nookapally Village.  
Mallial Mandal  
Jagtial .  
Dist Karimnagar.  
Pin Code : 505 452  
Phone : 08724 200666,200385 Fax 08724 223262  
E-Mail : [info@drvrcollege.com](mailto:info@drvrcollege.com)  
Web Site: [www.drvrcollege .com](http://www.drvrcollege.com)
- NAME & ADDRESS OF PRINCIPAL : Ganagdhar G ,  
Hyderabad.  
Phone: (O):08724 - 200666,  
(Cell) 9912270146
- NAME OF THE AFFILIATING UNIVERSITY : JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY  
KUKATPALLY, HYDERABAD.

### GOVERNANCE:

#### A) Members of the Board and Their brief background:

1. Mr. Inamul Haque : CHAIRMAN  
Chief Engineer (Rtd)
2. Mr. .SYED AZAZ-UR-RAHMAN: Vice Chairman  
M.Tech (BITS) Computer Science. He has been working  
education field for the last 15 years. Director Shadan  
Group of Institutions.
3. Mr. SAQUIB RASOOL KHAN : SECRETARY  
MBA (Ph.D.)
4. Mr M H KHAN SOOFI : JOINT SECRETARY.
5. Mr. AZIB RASOOL KHAN : TREASURER  
Engineer .
6. Mr M. VIDYA SAGAR : MEMBER  
ASSO PROF  
JNTU COLLEGE OF ENGG,.

#### Members of Academic Advisory Body

- 1) Dr. Afzal Mohammad Khan : Former Vice-Chancellor,  
Dr. Ambedkar university,

2) Mr. S.M.Jinnah

Former Engineer in Chief,  
Dept of irrigation, Govt of A.P.

3) Mr. Azaz-ur-Rahman

M.Tech (BITS) Pillani,  
He has over 15 years experience in the field of education.

4) Mr Md..Fayazuddin

Principal Shadan College Hyderabad,  
He has more than 15 years experience setting up

Laboratories in engineering colleges.

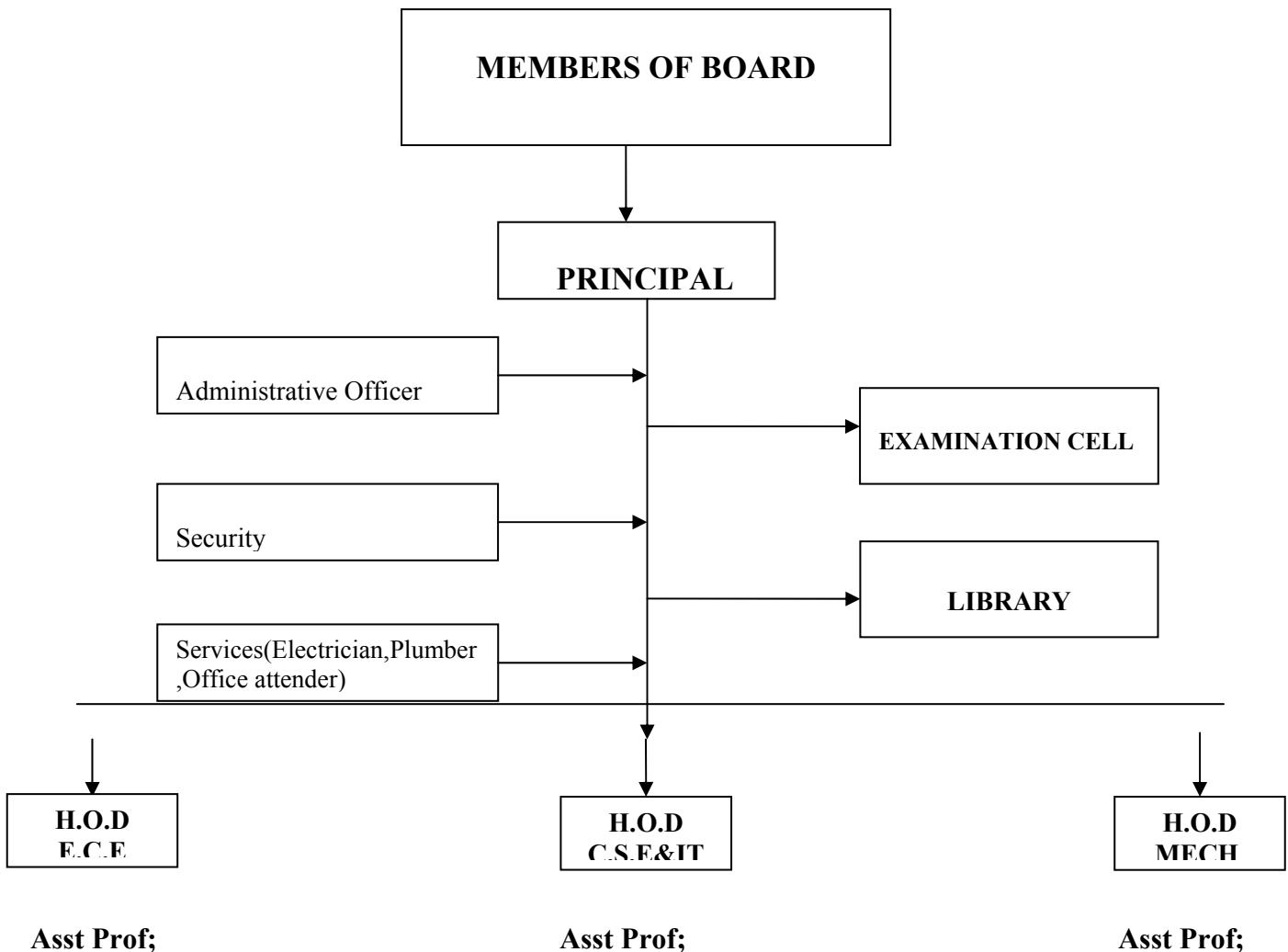
5) Mr A. Srinivas

Principal,  
B.E.(Osmania), M.Tech (REC Warangal)

**Frequency of Board Meeting and Academic Advisory Body:**

The Board meets once a semester while the Academic Advisory Body meetings are held twice a semester.

**Organizational Chart and processes.**



**Organizational processes:**

Like minded engineering colleges, have formed a Planning, Coordinating Monitoring and Control Board,(PCMB) with the following members

- 1) Mr. Kareemullah khan, Chairman PCMB. (Former engineer-in-chief. Govt. of A.P.)
- 2) Mr. Mohd Ghousuddin Vice-Chairman PCMB (Former Engineer-in-Chief. Govt. of A.P)
- 3) Mr. Ahmedullah khan, Member PCMB (Former member, NAAC)
- 4) Mr. S.M. Jinnah, Member PCMB (Former Engineer-in-chief, Irrigation Dept. Govt. of A.P.
- 5) Mr. Mohd Inam-ul-Haq, Member PCMB ( Former Chief Engineer, Govt. of A.P.)
- 6) Mr. Mohiuddin Ghatala, Member PCMB ( Former Chief Engineer, Govt. of A.P.)
- 7) Mr. Md. Mahmood Ali, Member PCMB ( Former Chief Engineer, Irrigation Dept. Govt. of A.P.)

The PCMB, conducts a Common Entrance Tests, declares the results on the web site : [www.pcmboard.org](http://www.pcmboard.org) and does the admissions in the colleges attached to it. The PCMB also conducts a review meeting every half year, for improving the academic performance and infra structural facilities in colleges associated with the Board.

#### **Nature and extent of involvement of faculty and students in academic affairs improvements:**

There is a continuous interaction between principal / faculty /students to find ways and means to improve academic performance of students. Regular feedback is obtained from students regarding performance of each faculty member. The feedback together with results obtained by each faculty member in his/her respective subjects taught, are used to evaluate performance of each faculty members. Corrective action where necessary is taken to improve performance of faculty.

Laboratories facilities / equipment are installed / upgraded in consultation with faculty members.

There is a class advisor for each class of each branch whose duties are as follows:

1. To get attendance details from all faculty and submit to the HOD of dept. on 1st of every month.
2. To collect internal exam marks from faculty members and submit to HOD of the Branch.
3. To maintain discipline of the respective class and inform any acts of indiscipline to the HOD/Principal.
4. To keep in close touch with students of their class and inform their problems to the HOD / Principal
5. To coordinate with the examination cell and help them in seating arrangement.
6. Follow up fees payment.
7. Inform parents over phone / through a letter, performance of students with respect to academics and attendance especially in case of weaker students.
8. Ensure syllabus is being covered as per Teaching Schedule. Allocate additional classes to those faculty members who are lagging behind schedule
9. Ensure teaching diaries are being written regularly by faculty

#### **Mechanism/Norms & Procedure for democratic/good Governance:**

Systems and procedures have been defined for all key college activities.

**Example;** systems and procedures have been laid out for

#### **Library**

: Timings  
Number of books to be issued at a time,  
Penalty for late return of books  
Rules regarding reference book issuance.

**Discipline** : Attendance of faculty  
Late entry of students to college permissible limit,  
Behavior of students towards faculty,  
Behavior of faculty towards students

**Grievance redressal** : Free access to HODs/Principal at all time for grievance redressal.

**Internal/  
University Exams** : Rules to be followed strictly as per norms laid down by University.

### **Student Feedback on Institutional Governance / Faculty performance.**

Principal,/HODs and Class Advisors are in regular touch with students in respect of issues such as:

- Syllabus coverage.
- Proficiency of lecturers
- Availability of books
- Facilities for sports and games
- Facilities for transport.

The feedback is reviewed and necessary steps taken to improve matters. For example: if unsatisfactory feedback is received about any faculty member, the HOD attends his lecture and if the grievance is found to be genuine, counseling is done to faculty member.

If in spite of this there is no improvement, the faculty member is replaced.

Similarly students' feedback in respect of extracurricular activities or availability of books, transport facilities etc are taken note of and deficiencies if any removed.

### **Grievance redressal mechanism for faculty, staff and students:**

College maintains an open door policy towards all grievances emanating from faculty or students. Students are free to contact HODs/Principal at any time not only during college hours but if necessary after office hours either on the phone or through personal visits to residence of faculty members/Principal.

Similarly, regular faculty meetings are held in Principal's office once a week where all important issues relating to college matters are addressed.

### **PROGRAMMES APPROVED BY AICTE:**

**Name** : **Mechanical engineering**

Number of seats : 60

Duration : 4 years (B.Tech., degree)

Cut off Marks/Convenor : This varies according to rules of admission and demand for each branch.

Fee

: Rs. 30,200-00

**FACULTY:**

The list of Faculty members is given below. All are absorbed as permanent faculty after serving for one year on probation.

<b>MECHANICAL ENGINEERING</b>			
<b>S.NO</b>	<b>NAME OF THE STAFF MEMBER</b>	<b>DESIGNATION</b>	<b>QUALIFICATION</b>
1	M. Srinivas Naik	Vice Principal	M. Tech
2	Mirza Ubaidullah Baig	Lecturer	B. Tech
3	Sikander Ali	Lecturer	B. Tech
4	Md Nehajuddin	Lecturer	B. Tech (M. Tech)
5	Rama Krishna	Lecturer	M. Tech
6	Pranay G	Lecturer	B. Tech
7	P. Raju	Lecturer	B. Tech (M.Tech)
8	Mazhar	Lecturer	B. Tech

**: Electronics & Communications Engineering**

Number of seats : 60

Duration : 4 years (B.Tech., degree)

Cut off Marks/convenor : This varies according to rules of admission and demand for each branch.

Fee : Rs30,200-00

**Faculty:**

The list of Faculty members is given below. All are absorbed as permanent faculty after serving for one year on probation.

<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (E.C.E)</b>			
<b>S.NO</b>	<b>NAME OF THE STAFF MEMBER</b>	<b>DESIGNATION</b>	<b>QUALIFICATION</b>
1	G. Sujatha	Lecturer	B. Tech (M. Tech)

2	B. Ekob	Lecturer	B. Tech
3	Magatha Naik	Lecturer	B. Tech
4	Abid Ali	Lecturer	B. Tech
5	Shyam Kumar P	Lecturer	B. Tech
6	Shiek Mohiuddin	Lecturer	B. Tech
7	Fasiuddin	Lecturer	B. Tech
8	Jahangir Pasha	Lecturer	B. Tech
9	Md Vazeeruddin	Lecturer	B. Tech
10	Arham Mohiuddin	Lecturer	B. Tech
11	Jagapathi	Lecturer	B. Tech

### **: Computer Science & Engineering**

Number of seats : 60

Duration : 4 years (B.Tech.)

Cut off Marks/convenor : This varies according to rules of admission and demand for each branch.

Fee : Rs. 30,200/-

Faculty:

The list of Faculty members is given below. All are absorbed as permanent faculty after serving for one year on probation.

<b>COMPUTER SCIENCE ENGINEERING (CSE)</b>			
<b>S.NO</b>	<b>NAME OF THE STAFF MEMBER</b>	<b>DESIGNATION</b>	<b>QUALIFICATION</b>
1	Shaguftha Basheer	Lecturer	B. Tech
2	K. Harish	Lecturer	B.Tech
3	Suman Kumar	Lecturer	B.Tech
4	Krishana Chaitanya	Lecturer	B.Tech
5	R. Soumya Rani	Lecturer	B.Tech

6	S. Ramya Krishna	Lecturer	B.Tech
7	Venkanna	Lecturer	B.Tech
8	S. Soumya	Lecturer	B.Tech
9	G. Chaitanya Rani	Lecturer	B.Tech
10	A. Mnemma	Lecturer	B.Tech
11	Krishna Pavan B	Lecturer	B.Tech

**Placement Facility** : Through [www.JobsChronicle.com](http://www.JobsChronicle.com) facility, students are provided Job cards through which they create their own login ID and password and create their resumes. Free access to companies, placement agencies, and other employers is provided to the Resume database.

**Name and duration of programme having affiliation / collaboration with Foreign University.**

We do not have affiliation with any foreign University.

### **Branch wise list of Faculty:**

**Permanent Faculty:**

<b>MECH</b>	<b>ECE</b>
<b>M. Srinivas Naik</b>	<b>G. Sujatha</b>
<b>Mirza Ubaidullah Baig</b>	<b>B. Ekob</b>
<b>Sikander Ali</b>	<b>Magatha Naik</b>
<b>Md Nehajuddin</b>	<b>Abid Ali</b>
<b>Rama Krishna</b>	<b>Shyam Kumar P</b>
<b>Pranay G</b>	<b>Shiek Mohiuddin</b>
<b>P. Raju</b>	<b>Fasiuddin</b>
	<b>Jahangir Pasha</b>

	<b>Md Vazeeruddin</b>
	<b>Arham Mohiuddin</b>
	<b>Jagapathi</b>

<b>CSE</b>	<b>H&amp;S</b>
<b>Shaguftha Basheer</b>	<b>S. Thirumalaiah</b>
<b>K. Harish</b>	<b>T. Sandhya Rani</b>
<b>Suman Kumar</b>	<b>Raja Shekhar E</b>
<b>Krishana Chaitanya</b>	<b>Md Manzoor Ahmed</b>
<b>R. Soumya Rani</b>	<b>M. Srinivas</b>
<b>S. Ramya Krishna</b>	<b>K. Prasad</b>
<b>Venkanna</b>	<b>S. Sathish Kumar</b>
<b>S. Soumya</b>	<b>B. Gangadhar</b>
<b>G. Chaitanya Rani</b>	<b>K. Srinivas</b>
<b>A. Mnemma</b>	
<b>Krishna Pavan B</b>	

## PROFILE OF PRINCIPAL:

NAME : Gangadhar G.

QUALIFICATIONS: BE (IT). M.Tech, (Ph.D)

Age : 30 Years

EXPERIENCE :

- 2 years experience out of which 2 years in Industry
- 5 Years in teaching

### Employment at Dr. V.R.K. CET

- Working as Principal, Dr V.R.K. College of Engg. & Tech since July 2009.

### DETAILS OF TEACHING FACULTY: [FULL TIME]

Name of the programme UG Level	Sl. No	Name(s) of the Teaching Faculty	Designation Lecturer/Asst Prof/ Prof;	Qualification with field of Specialization			Date of Birth	Experience (a) Teaching (b) Industry (c) Research			Appointed (Date of Joining the Institution)	Gross Total Salary & Basic/Pay scales & date from which implemented Basic Pay 8000-13500
				UG	PG	Research		A	B	C		
<b>B.Tech</b> <b>ME</b>	1	M. Srinivas Naik	Vice Principal	B.Tech	M..Tech		4-9-1983	3 Years			15-12-2007	21000-00
	2	Ubaidullah Baig	Lecturer	B.Tech	-		10-5-1983	2 Yers			8-10-2007	13120-00
	3	Md Mazhar	Lecturer	B.Tech	-		1-61986	2 Yers			8-10-2007	13120-00

ECE

4	Md Nehajuddin	Lecturer	B.Tech	(M. Tech)		4-3-1984	2 Yers			15-11-2007	13120-00
5	Sikander Ali	Lecturer	B.Tech	-		17-9-1985	2 Yers			15-11-2007	13120-00
6	Pranay Gattu	Lecturer	B.Tech	-		30-08-84	2 Yers -			14-08-07	13120-00
7	G. Ramakrishna	Lecturer	B.Tech	M..Tech		15-08-02	1 Year			01-01-09	17000-00
8	P. Raju	Lecturer	B. Tech	-	-	10-7-1983	2 Years	-	-	20-07-08	150000-00
1	G. Sujatha	Lecturer	B.Tech	M. Tech		23.07.1981	5 Years			17/02/2004	15826-00
2	Magatha Naik B.	Lecturer	B. Tech			14-04-1982	3 Yars			7-7-2006	14022-00
3	B. Ekob	Lecturer	B. Tech			09.06.1975	3 Years			1/2/2006	14022-00
4	Abid Ali	Lecturer	B. Tech			24-01-86	1 ½ Yrs			17-12-07	13120-00
5	Fasiuddin	Lecturer	B. Tech	(M.Tech)		05-05-86	1 Year			28-07-08	13120-00
6	Md Jahangir Pasha	Lecturer	B. Tech			31-01-87	1 Year			28-07-08	13120-00
7	P. Shyam Kumar	Lecturer	B. Tech			15-08-86	1 Year			06-10-08	13120-00
8	Shaik Mohiuddin	Lecturer	B. Tech			20-01-87	1 Year			13-10-08	13120-00
9	Jagapathi	Lecturer	B. Tech			02-08-69	10 Years			28-07-08	6000-00
10	Vazeeruddin	Lecturer	B. Tech			23-04-86	-			10-08-09	10000-00
11	Arham Mohiuddin	Lecturer	B. Tech			07-07-85	-			22-08-09	10000-00
1	Shaguftha Bashir	Lecturer	B.Tech			12.04.1985	3 Yearss			17/07/06	14022-00
2	Harish K	Lecturer	B.Tech			20-03-1986	2 Years)			10-9-07	13120-00
3	Suman Kumar	Lecturer	B. Tech			13-07-84	-			1-01-09	11360-00
4	Krishana chaitanya	Lecturer	B. Tech			27-09-85	1 Years			4-09-08	13120-00
5	R. Sumya Rani	Lecturer	B. Tech			13-12-85	1 Years			20-7-08	8000-00
6	S. Ramya Krishna	Lecturer	B. Tech			25-05-86	1 Years			20-7-08	8000-00
7	Venkanna	Lecturer	B. Tech			12-07-82	1 Years			2-01-09	7000-00
8	S. Soumya	Lecturer	B. Tech			24-01-83	-			1-08-09	6000-00

CSE &amp; IT

H &amp; S

9	G. Chaitanya Rani	Lecturer	B. Tech		3-06-85	-		1-08-09	10000-00
10	A. Manemma	Lecturer	B. Tech		16-02-82	1 Years		13-10-08	13120-00
11	Krishna Pavan B	Lecturer	B. Tech		5-08-85	1 Years		9-08-08	8000-00
1	S.Thirumallaiah	Lecturer	-	M.Sc(Maths)	15.12.1970	8Years		1/12/2003	15826-00
2	Sandhya Rani	Lecturer	-	MA Eng	7-10-1981	2 Years		23-4-2007	13571-00
3	Md Manzoor Ahmed	Lecturer	-	MSC Chemistry	02-05-79	2 Years		17-12-2007	13120-00
4	E. Raja Shekar	Lecturer	-	MSc (Environ)	27-06-1979	2 Years		17-12-2007	13120-00
5	M. Srinivas	Lecturer	-	M.Sc(Maths)	30-06-80	2 Years		11-08-08	13120-00
6	K. Prasad	Lecturer	-	M. Sc Phy	01-06-77	2 Years		28-07-08	13120-00
7	S. Sathish Kumar	Lecturer	-	M. Sc Phy	18-08-82	-		25-08-09	11120-00
8	B. Ganga dhar	Librarian	-	MLISc	10-06-1971	5 Yrs		11-2-2002	8275-00
9	K. Srinivas	Librarian	-	MLISc	06-7-1971	4 Yrs		09-09-2003	7975-00

### Fee Structure of the Institution

S.No.	Category	CET quota		Management quota	
		Fixed by the State Fee Committee	Being charged by the Institution	Fixed by the State Fee Committee	Being charged by the Institution
1.	Admission Fee	Rs 30.200/-	Rs 30.200/-	Rs. 82,000/-	Rs 30.200/-
2.	Tuition Fee				
3.	University fee (Examination fee, Registration fee etc.)				
4.	Hostel fee (Rent etc.)				
5.	Laboratory fee				
6.	Library fee				
7.	Any other				
<b>Total Fee</b>		<b>Rs 30.200/-</b>	<b>Rs 30.200/-</b>	<b>Rs. 82,000/-</b>	<b>Rs 30.200/-</b>

Full fees should be paid before the commencement of class works.

Admission:

Course(s)

Intake & Year of Approval

Computer Sc. Engg.

60(2009-2010)

Electronics & Comm. Engg.

60(2009-2010)

Mechanical Engg..

60(2009-2010)

Number of Students admitted in the last three years

Course	2008-2009		2007-2008		2006-07	
	Sanctioned Intake	Actual Admissions	Sanctioned Intake	Actual Admissions	Sanctioned Intake	Actual Admissions
B.Tech.,	150	156	150	100	60	13

Admission Procedure:

The admission are based on the rank obtained in EAMCET( State Govt. Quota) EAMCET is conducted by JNTU, Kukatpally, Hyderabad.([www.jntu.ac.in](http://www.jntu.ac.in))

Details for admissions against management seats are available on [www.pcmboard.org](http://www.pcmboard.org)

Application Form

Downloadable application form is available on [www.pcmboard.org](http://www.pcmboard.org)

List of applicants

List of candidates who have applied along with percentage & rank card is available on [www.pcmboard.org](http://www.pcmboard.org) Results of admission under management seats/vacant seats:

All details are available on [www.pcmboard.org](http://www.pcmboard.org)

## Information on infrastructure and other resources available

### LIBRARY

S.No	Course(s)	Number of titles of the books	Number of volumes	Journals	
				Nat ional	Internati onal
1	ME	158	1265	1	4
2	ECE	205	1677	3	6
3	CSE	213	1907	5	6
4	H& S	125	767	7	-

**e-library facility** :SONET . is providing online international journals.

# LABORATORIES

## Department of Mechanical Engineering

### Metrology & Mechine Tools Lab

<b>Available Equipments in Metrology &amp; Machine Tools Lab</b>		
<b>SI No</b>	<b>Name of the Equipment</b>	<b>Quantity</b>
1	Verner Calipers (0-200mm)	1
2	Verner Calipers (0-300mm)	1
3	Verner Height Gauge (300mm)	1
4	Out side micrometer (25-50mm)	2
5	Inside micrometer (Caliper Type 5.25mm)	1
6	Gear tooth vernier caliper	2
7	Dial Gauge	1
8	Magnetic Stand	1
9	Depth Micrometer	1
10	Tool marker microscope with stand	1
11	Bevel Protractor	1
12	Sin bar	1
13	Spirit Level Jafuji	1
14	Three wire set with micrometer holder	1
15	Granite surface with stand	1
16	Slip gauge set (112 Pcs)	1
17	Screw thread plug gauge	1
18	Plain ring gauge	1
19	Adjustable snap gauge	1
20	Steel V-Block	1
21	Feelar gauge (20 blades)	1

22	Milling machine	1
23	Lathe machine light duty	3
24	Hacksaw M/c	1
25	Drilling M/C	1
26	Grinding machine (surface)	1
27	Lathe machine (Gear )	2
28	Capstan Lathe	1
29	Slotting Machine	1
30	Tool & Cutter Gruinder	1
31	Shaping Machine	1

### **CAD /CAM LAB**

<b>Available Equipments in CAD /CAM Lab</b>		
<b>SI No</b>	<b>Name of the Equipment</b>	<b>Quantity</b>
1	Computer Numerical Control	1
2	Special Accessories for CNC	1
3	CNC Slant bed lathe	1
4	Desk top Tutor key board	1
5	Stand 100mm 3 Jaw check	1
6	Control & O/P connector for 8 stations	1
7	Ellen keys	8
8	Double ended spanner	4
9	Screw driver	1
10	Oil Can	1
11	63 mm Brush	1set
12	Fuses	1set
13	Indexing tool post	1
14	Sleeves for holding	4

15	Tale stock	1
16	Fluid coolent	1
17	Turning Facing tool	1
18	12mm square shock tool	1
19	13mm square shock tool	1
20	Nutral tool	1
21	12mm External threading	1
22	Parting tool	1
23	8mm Boring bar	1
24	8mm Boring bar	1
25	16 mm Shank	1
26	Center drill 8mm	1
27	Control box key	1
28	Lathe check key	1
29	Dead center	1
30	Machine cover	1
31	Q32 billet	5
32	One seat offline turning software	1
33	Machine manual	1
34	Programming manual	1
35	Offline programming manual	1
36	CNC OT/OH Manual	1
37	Offline software	1
38	CNC train window offline program software for turning	5set
39	Train software manual	1
40	Offline hardware lock lathe	1
41	CNC train hardware lock	5
42	Servo Stabilizar 5 KVA	1
43	CAD Software 2002	5

## Metallurgy & Instrumentation Lab

<b>Available Equipments in Metallurgy &amp; Instrumentation Lab</b>		
<b>SI No</b>	<b>Name of the Equipment</b>	<b>Quantity</b>
1	Specimen cut off machine	1
2	Heat treatment furnace	2
3	Jomney with acceddories	1
4	Specimen mounting press	1
5	Sander	1
6	Polishing stand	2
7	Double disk polishing machine	1
8	Specimen leveler	1
9	Monocular microscope	10
10	Binocular microscope	1
11	Grain size measurement E/P	1
12	Calibration of pressure guage	1
13	Transducer for Temp measurement	1
14	LVDT transducer for displacement	1
15	Strain gauge for fore measurement	1
16	Capacitive transformer for angular displacement	1
17	Photo and magnetic pick-up speed measurement	1
18	Rotometer for flaw measurement	1
19	Vibration set up	1

## Thermal Engineering Lab

**Available Equipments in Thermal Engineering Lab**

<b>SI No</b>	<b>Name of the Equipment</b>	<b>Quantity</b>
1	Model of Lancas hire boiler	1
2	Model of Bob Cox Wilcox boiler	1
3	Diesel engine test rig 5HP, 1 Cyl	1
4	Petrol engine test rig 1CYL	1
5	Petrol engine test rig 4 Cyl Dynamometer	1
6	Air compressor 2Stag	1
7	Refrigerators test rig	1
8	Diesel engine cut section	1
9	Petrol engine cut section	1
10	Tacho meters	1
11	Stop watch	5
12	Tools set	1 Set

### **MOS Lab**

<b>Available Equipments MOS Lab</b>		
<b>SI No</b>	<b>Name of the Equipment</b>	<b>Quantity</b>
1	Deflection testing apparatus	1
2	Spring test machine of 250 Kg	1
3	Compression test machine of 100 ton	1
4	Universal testing machine	1
5	Tension testing machine	1
6	Roch well hardness test	1
7	Impact Test Machine	1
8	Brinell hardness test machine	1

### **FM & HM LAB**

### Available Equipments FM & HM Lab

SI No	Name of the Equipment	Quantity
1	Reciprocating point test rig	1
2	Multispeed centrifugal pump test rig	1
3	Calibration test rig for measure discharge of water through a set of vernier meter	1
4	Calibration test rig for measure discharge of water through set of orifice meter	1
5	Apparatus for determination of coefficient of discharge, velocity & contraction of orifice	1
6	Apparatus for determination of coefficient of discharge of mouthpieces	1
7	Pipe friction apparatus for friction losses in pipe lines	1
8	Apparatus for loss in pipe line due to sudden contraction enlargement	1
9	Apparatus for coefficient of discharge of notch	1
10	Apparatus for Bernoullis theorem	1
11	Pelton wheel turbine test rig	1
12	Francis turbine test rig	1
13	Hydraulic ram	1
14	Determination of coefficient 'C' & Exponent 'N'	1
15	Apparatus for impact jet of water	1

### Heat & Mass Transfer lab

#### Available Equipments Heat & Mass Transfer Lab

SI No	Name of the Equipment	Quantity
1	Thermal conductivity of Metal rod	1
2	Stefan boltzman apparatus	1
3	Critical heat flux apparatus	1
4	Composite walls apparatus	1

5	Lagged pipe apparatus	1
6	Forced convection apparatus	1
7	Natural convection apparatus	1
8	Thermal conductivity of insulating power	1
9	Parallel flow & counter flow heat exchanger	1
10	Emissivity measurement apparatus	1
11	Pin Fin Apparatus	1
12	Condensation in drop & film forms	1
13	Heat pipe demonstrator	1

## **WORK SHIOP**

<b>Available Equipments Work Shop</b>		
<b>Fitting Shop</b>		
<b>Sl No</b>	<b>Name of the Equipment</b>	<b>Quantity</b>
1	Bench Wise	8
2	Bench Grinder	1
3	Hack saw frame	8
4	Try square	8
5	Engg scriber	8
6	Flat file Rough	8
7	Flat file Smooth	8
8	Dot punch	8
9	Ball pen hammer	8
10	Square file rough	8

11	Square file smooth	8
12	Half round file rough	8
13	Half round file smooth	8
14	Round file rough	8
15	Round file smooth	8
16	Triangular file rough	8
17	Triangular file smooth	8
18	Double end spanner set (6-32mm)	1 set
19	Ring spanners set (6-32mm)	1set
20	Surface plate	1
21	Angle plate	1
22	'C' Clamp	1
23	'V' Block with clamp	1
24	Anvil 50 Kg Wt	2
25	Out side calipers	8
26	Inside caliper	8
27	Flat cold chisel	8
28	Combination set	1
29	Spring divider	8
30	Needle file set (16cm)	1 set
31	Feeler gauge	1set
32	Radius gauge	1 set
33	Screw pitch gauge	1 set
34	Drill gauge	1

35	Out side micrometer	2
36	Fernier Calipers	2
37	Hand drilling machine	1
38	H S S Drills (1 to 10 mm)	1set
39	Taps and die set	1 set
40	Hand shearing machine	1
41	Spirit level 12''	2
42	File handles	36
43	Screw drivers	1 set
44	Number punch	1 set
45	Alphabetical punch	1set
<b>Carpentry Shop</b>		
1	Carpentry wises	8
2	Carborandum stone	1
3	Tenon saw 12''	8
4	Steel rule 12''	8
5	Carpentry try square 8''	8
6	Jack plane 14''	8
7	Firman chisel ½''	8
8	Mellet wood 3''	8
9	Half round wood rasp file 12''	8
10	Marking gauge	8
11	Mortise chisel 6mm	8
12	Mortise chisel 12mm	8

13	¼" hand drill machine	1
14	Ball peam hammer	8
15	Scriber	8
16	Drill bit set (1/6- ¼ )	1set
17	Claw hammer	1
18	Pincer 8"	1
19	Cutting plier	1
20	Nose plier	1
<b>Black smithy section</b>		
1	Anvil 50 Kg	4
2	Swage block	1
3	Ball peam hammer	4
4	Sledge hammer	4
5	Pick up tongs	6
6	Round tongs	6
7	Cold chisel	4
8	Flatters	4
9	Swage top and bottam set	4
10	Electrical blowers	1
11	Sledge hammer	4
12	Swage block	1
13	Hand glowers (Asbestos)	2
14	Block smith forge	1

<b>Foundry section</b>		
1	Molding clay	5Bags
2	Bentomite	1
3	Chalk powder	1 bag
4	Showel tong	1
5	Molding boxes	4
6	Tools (Rammers Lifter Spikes )	1
7	Rammer	2
8	Split Pattern	3
<b>Electrical wiring section</b>		
1	Cutting pliers	7
2	Nose pliers	7
3	Screw drivers	7
4	Testers	7
<b>Tin smithy section</b>		
1	Bench wise 4 "	4
2	Tin Cutters (forged Steel)	8
3	Tin Cutters (Drop forged)	8
4	Steel Rule 12 "	8
5	Scriber 8 "	8
6	Mallet wood 3 "	8
7	Ball pean Hammer	8
8	Crass pean Hammers	2
9	Standard wire gauge	1

10	Out side caliper 6 "	8
11	Inside caliper 6 "	8
12	Spring divider 6 "	8
13	Horse head stake	1
14	Brick iron stakes	2
15	Hatchet stakes	2
16	Funnel stakes	1
17	Cutting Plier 8 "	1
18	Nose plier	1

### **Fuels & Lubricants Lab**

<b>Available Equipments in Fuels &amp; Lubricants Lab</b>		
<b>SI No</b>	<b>Name of the Equipment</b>	<b>Quantity</b>
1	Bamb Calorimeter	1
2	Carbon Reside – Condration Apparatus	1
3	Stop watch	1
4	Abel's Flash point Apparatus	1
5	Pensky Martens Flash point Appar.	1
6	Red wood viscometer No.1	1
7	Red wood viscometer No.2	1
8	Pentometer Appar.	1
9	Analytical Balance	1

### **PRODUCTION TECHNOLOGY LAB**

<b>Available Equipments in P.T. Lab</b>		
<b>SI No</b>	<b>Name of the Equipment</b>	<b>Quantity</b>
1	Welding Rectifier	1
2	Welding Transformer	1
3	Spot Welding Machine	1
4	Hand Gloves	7Pairs
5	Chipping Hammer	1
6	Welding holder	1
7	Wire Brush	1
8	Lathing clamp legs	4
9	Crucible	1
10	Air blower	1
11	Coverall	1
12	Wood turning Lathe	2
13	Plastic injunction moldings	1
14	B low molding machine	1
15	Gas welding torch clamp	1
16	Safety glasses	6

## **List of Experimental Setups**

**Name of the Laboratory: Engineering Physics Lab**

**Ist year**

- 1) Determination of rigidity Modules of the material of a wire (Tensional Pendulum)
- 2) Medes Experiment
- 3) Coupled oscillator
- 4) Diffraction grating (Prism – Spectrometer Method)
- 5) Dispersion of light

- 6) Determination of thickness of a thin object by optical method parallel fringes.
- 7) Newton's Rings.
- 8) Study of electrical circuit – LCR circuit.
- 9) Sonometer- Verification of laws of stretched strings.
- 10) Frequency of A.C Supply.
- 11) Magnetic field along the axis of a current carrying coil – Stewart and Gee's Method.

**Name of the Laboratory: Fuels & Lubricants Lab**

**Ist year**

- 1) Determinations of flash and fire points of liquid fuels/Lubricants.
- 2) Carbon residue test: Liquid fuels.
- 3) Determination of viscosity: Liquid lubricants.
- 4) Determination of calorific value: Solid / liquid / Gaseous fuels.
- 5) Grease penetration test.

**Name of the Laboratory: Work Shop**

**Ist year**

- 1) Carpentry & Pattern making.
- 2) Fitting
- 3) Tin – Smithy
- 4) Block smithy
- 5) House wiring
- 6) Foundry
- 7) Plumbing
- 8) Welding
- 9) Machine shop

**Name of the Laboratory: Metallurgy & Instrumentation Lab**

**2<sup>nd</sup> Year Ist Sem**

- 1) Preparation and study of the microstructure of the pure metals like Iron, Cu And Al.
- 2) Preparation and study of microstructure of mild steel, low carbon steel, High carbon steel.
- 3) Study of microstructure of cast irons.
- 4) Study of microstructure of Non ferrous alloys.
- 5) Study of microstructure of Heat Treated Steels.
- 6) Harden ability of Steels by Jominy End Quench Test.
- 7) To find out hard ness of various Treated & Un Treated Steels.
- 8) Calibration of Pressure Gauges.
- 9) Calibration of Transducer for Temperature Measurement.
- 10) Study and Calibration of LVDT Transducer for Displacement Measurement.
- 11) Calibration of Strain gauge Force measurement.
- 12) Calibration of Capacitive Transducer for Angular Displacement.
- 13) Study & Calibration Photo & Magnetic Speed pickup for the Measurement of Speed.
- 14) Study & Calibration of Rotometer for Flow Measurement.
- 15) Study & Use of a Seismic pickup for the Measurement of Vibration amplitude of Engine bed at various loads.

**Name of the Laboratory: Thermal Engineering Lab**

**2<sup>nd</sup> Year Ist Sem**

- 1) IC Engines performance Test.
- 2) IC Engines morse Test, Retardation, Motoring.
- 3) IC Engines Heat balance Teat.
- 4) COP of Refrigeration unit.

- 5) Study of boilers.
- 6) Disassembly/ assembly of Engines.

Name of the Laboratory: **MOS,MOF & HM Lab**

**3<sup>nd</sup> Year Ist Sem**

- 1) Tension Test.
- 2) Bending Test.
- 3) Torsion Test.
- 4) Hardness Test.
- 5) Spring Test.
- 6) Shear Test.
- 7) Deflection test on Simple beams.
- 8) Calibration of Venturi Meter.
- 9) Calibration of Orifice meter.
- 10) Determination of Coefficient of discharge for an external mouth piece by variable head methods.
- 11) Calibration of contracted Rectangular Notch..
- 12) Calibration of contracted Triangular Notch.
- 13) Determination of Coefficient of loss of head in a sudden contraction of pipe line.
- 14) Verification of Bernoulli's Equation.
- 15) Determination of the efficiency and specific speed of pelton wheel turbine.
- 16) Efficiency of Francis Turbine and performance curves.
- 17) Performance test on reciprocating pump.
- 18) Calculate the efficiency of hydraulic ram.
- 19) Determination of coefficient of impact of jet on different vanes like flat inclined vanes curved vanes.
- 20) Performance test on centrifugal pump.

Name of the Laboratory: **Production Technology Lab**

**3<sup>rd</sup> Year Ist Sem**

- 1) Molding
- 2) Melting & Casting
- 3) Pattern making.
- 4) Arc welding
- 5) Effect of polarity on weld strength & Heat affected zone.
- 6) Effect of current on weld strength and heat affected zone.
- 7) Spot welding- Effect of current on weld strength.
- 8) Gas welding and brazing exercises.
- 9) Injection molding.
- 10) Blow molding.

Name of the Laboratory: **Metrology & Machine tools Lab**

**3<sup>rd</sup> Year Ist Sem**

- 1) Measurement of lengths, heights, diameters by vernier calipers micrometers.
- 2) Measurement of bores by internal micrometer and dial bore indicators.
- 3) Use of gear teeth, vernier calipers and checking the chordal addendum and chordal height of spur gear.
- 4) Machine tool alignment test on milling machine.
- 5) Toolmakers microscope and its applications.
- 6) Angle and tapers measurement by bevel protractor, sine bars, etc.,.
- 7) Thread measurement by bevel protractor, sine bars etc.,.
- 8) Introduction of general purpose machines-Lathe, drilling machine, Milling machine, shaper, planing machine, slotting machine, Cyl. Grinder, surface grinder & tool & cutter grinder.
- 9) Step turning and taper turning on lathe machine.
- 10) Thread cutting and knurling on – Lathe machine.
- 11) Drilling and tapping.

- 12) Shaping and planning.
- 13) Slotting.
- 14) Milling
- 15) Cyl / Surface grinder.

Name of the Laboratory: **Heat Transfer Lab**

**3<sup>rd</sup> Year Ist Sem**

- 1) Thermal conductivity of given metal rod.
- 2) Stefan Boltzman apparatus
- 3) Critical heat flux apparatus.
- 4) Composite Wall – overall heat transfer coefficient.
- 5) Heat transfer through lagged pipe.
- 6) Heat transfer in forced in convection apparatus.
- 7) Heat transfer in natural convection.
- 8) Thermal conductivity of insulation powder.
- 9) Parallel and counter flow heat exchanger.
- 10) Emissivity apparatus.
- 11) Study of heat pipe & its demonstration.
- 12) Heat transfer in pipe – pin-fin
- 13) Heat transfer in drop and film wise condensation.

Name of the Laboratory: **CAD / CAM Lab**

**4th Year Ist Sem**

- 1) Drafting.
- 2) Part Modelling
- 3) Determination of deflection and stress in 2D 3D strusses and beam.
- 4) Plane strain and axisymmetric components.
- 5) Development of process sheets for various components based on tooling machines.
- 6) Development of manufacturing defects and tool management system.
- 7) Study of various post processors used in NC machines.
- 8) Development of NC code for free form and sculptured surfaces using CAM packages.

## **ELECTRONICS & COMMUNICATION LAB**

**List of Major Equipment/Facilities:**

<b>EDC LAB</b>		
<b>S.NO</b>	<b>NAME OF THE EQUIPMENT</b>	<b>QUANTITY</b>
1	OSCILLOSCOPE	12
2	POWER SUPPLIES	12
3	FUNCTION GENERATORS	12
4	MULTI METERS	12
5	STABILIZERS	2
6	DECADE R,L,C BOX	12

7	BREAD BOARDS	20
8	Analog Panel meters	50
9	Rectifiers & Filters	3
10	Class A,B,C,AB Amplifier	2
11	Class B Pushpull Power amplifier	2
12	Class C Amplifier	2
13	RC Phase shift oscillator	2
14	Colpits Oscillator	2

### PDC IC APPLICATIONS LAB

S.NO	NAME OF THE EQUIPMENT	QUANTITY
1	CATHODE RAY OSCILLOSCOPE	10
2	POWER SUPPLIES	12
3	FUNCTION GENERATORS	08
4	MULTI METERS	06
5	STABILIZER	1
6	Analog IC Trainars	5
7	Digital IC Trainers	5
8	Power Supplies	15
9	Decade R,L,C Boxes	10
10	Pulse Generators	5
11	Bread Boards	20

### Analog & Digital Communications Lab

S.NO	NAME OF THE EQUIPMENT	QUANTITY
1	Volatage Stabilizer	1
2	Oscilloscope	04

3	Function Generator	04
4	Powr Supplies	04
5	A.M Mod & Demod	2
6	F.M Mod & Demod	2
7	PAM Mod & Demod	2
8	PPM Mod & Demod	2
9	PLL	2
10	PLL Freeq Multiplier	2
11	Decade RLC Boxes	15
12	Bread Boards	20
13	Pre Emphasis De 'emphasis	2
14	Balanced Mod	2
15	PWM	2
16	Analog Signal Sampling	2
17	SSB Mod	1
18	PAM	2
19	PWM	2
20	PPM	2
21	PCM	1
22	FSK	1
23	Diff PCM	2
24	Delta Mod	2
25	PSK	2
26	Diff PSK	2
27	TDM	2

**MICROWAVE & OPTICAL COMMUNICATION LAB**

<b>S.NO</b>	<b>NAME OF THE EQUIPMENT</b>	<b>QUANTITY</b>
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1	MICRO WAVE BENCHES	3
2	OPTICAL FIBER KITS	2
3	TABLE FANS	3

<b>NETWORK ANALYSIS LAB</b>		
<b>S.NO</b>	<b>NAME OF THE EQUIPMENT</b>	<b>QUANTITY</b>
1	Voltage Stabiliser	1
2	Oscilloscope	5
3	Regulated Power supplies	12
4	Function Generators	6
5	Decade RLC Boxes	17
6	Bread Boards	20
7	Panel Meters	55
8	Thevenins Nortons Theorems	2
9	Lenear RLC Circuits	2

<b>Microprocessor &amp; Microcollar Lab</b>		
<b>S.NO</b>	<b>NAME OF THE EQUIPMENT</b>	<b>QUANTITY</b>
1	Voltage Stabiliser	1
2	8086Microprocessor Kits	10
3	8051 Microcontroller Kits	5
4	EPROM Programmer	2
5	RS 232 cable	10
6	ADC Interfacing	2
7	DAC Interfacing	2
8	Logic Controller Interfacing	2
9	Elevator Simulation	2
10	Key board Interface	2
11	Stepper Motor Control Interface	2

**DSP Lab****DSP Software with Kits 5 Nos**

<b>Electrical Technology Lab</b>		
<b>S.NO</b>	<b>NAME OF THE EQUIPMENT</b>	<b>QUANTITY</b>
1	Rectifier	1
2	DC Motor Gen Set	1
3	DC Compound Motor	1
4	Digital Tachometers	6
5	DC Series Motor	1
6	DC Shunt Motor	1
7	Slip ring induction motor	1
8	Motor Attenuator set	1
9	Synchronous motor	1
10	Transformers	6
11	MI Voltmeters	16
12	MI Ammeters	16
13	MC Voltmeters	16
14	MC Ammeters	16
15	LPF Watt meters	7
16	UPF Watt meters	4
17	3 $\emptyset$ Watt meters	2
18	1 $\emptyset$ Power factor	1
19	Rheostats	12
20	Auto transformers	5
21	3 ½ Digit LCD tong tester	1
22	AC & DC main panel	1
23	AC & DC sub panel	8

# List of Experimental Setups

## Name of the Laboratory: Electronics Devices & Circuits Lab

1<sup>st</sup> year

Common for ECE, EEE, CSE, ICE.

1. PN junction diode characteristics.
  - a. Forward bias
  - b. Reverse bias
2. Zener diode characteristics
3. Transistor CB characteristics (input & output)
4. Transistor CE characteristics (input & output)
5. Transistor CC characteristics (input & output)
6. Rectifier with filter (full wave & half wave)
7. Rectifier without filter (full wave & half wave)
8. FET characteristics
9. UJT characteristics
10. Study of CRO
11. Measurement of h-parameters of transistor in CB, CE, CC configurations
12. CE amplifier
13. CC amplifier (emitter follower)
14. Single stage R-C- coupled amplifier
15. FET amplifier (common source)
16. FET amplifier (common drain)
17. Wein bridge oscillator
18. RC phase shift oscillator
19. Colpitts oscillator
20. Hartley oscillator
21. SCR characteristics

## Name of the Laboratory: Pulse & Digital Circuits Lab

2<sup>nd</sup> year 1<sup>st</sup> Sem

1. Non linear wave shaping -Clippers
2. Non linear wave shaping- Clampers
3. Linear wave shaping.
4. Study of flipflops.
5. Logic gates using discrete components and ICS
6. Transistor as a switch
7. Sampling gates
8. Monostable Multivibrator
9. Astable Multivibrator
10. Schmitt Trigger Circuit
11. Bi-stable Multivibrator

## Name of the Laboratory: Electronic Circuit Analysis Lab

2<sup>nd</sup> year 1<sup>st</sup> Sem

Hardware

1. Two stage RC coupled amplifier
2. Class A. power amplifier
3. Class B push pull amplifiers
4. Class B complementary symmetry configuration
5. Class C power amplifier
6. Class C tuned voltage amplifier.
7. Series Regulated power supply
8. Shunt Regulated power supply.

**Name of the Laboratory: IC Applications Lab(CSE )**

2<sup>nd</sup> year 1<sup>st</sup> Sem

1. Integrator using 741 Op-amp
2. Differentiator using 741 Op-amp
3. Study of logic gates and flip –flops
4. 7490 decade counter
5. BCD to seven segment decoder driver
6. Astable multi vibrator using 555 timer
7. Digital to analog converter using binary weight resistor
8. Digital to analog converter using R-2R ladder network
9. Monostable multi vibrator using IC 555 timer
10. Voltage regulator using IC 723

**Name of the Laboratory: Digital Communications Lab**

3<sup>rd</sup> year 1<sup>st</sup> Sem

1. Pulse amplitude modulation (PAM)
2. Pulse width modulation (PWM)
3. Pulse position modulation(PPM)
4. Time division multiplexing(TDM)
5. Pulse code modulation(PCM)
6. Differential pulse code modulation
7. Delta modulation(DM)
8. Frequency shift keying (FSK)
9. Phase shift keying (PSK)
10. Differential phase shift keying (DPSK)

**Name of the Laboratory: Linear IC Applications Lab**

3<sup>rd</sup> year 1<sup>st</sup> Sem

1. Study of Op-Amp
2. Op-Amp applications.
3. Integrator and Differentiator circuits using Op-Amp IC 741
4. Function generator
5. Monostable multivibrator
6. Astable multivibrator
7. PLL applications
8. VCO applications
9. Active Filter applications (First Order)
10. Active filter applications (high pass filter)
11. Schmitt Trigger circuit
12. Voltage Regulator using IC 723

**Name of the Laboratory: Interfacing through Microprocessors Lab(ECE )**

3<sup>rd</sup> year 2<sup>nd</sup> Sem

8086 Assembly languages programming exercise

1. Arithmetic operations.
2. Logical operations.
3. String operations.
4. Modular programs.
5. Key Board Interface
6. Stepper motor Interface
7. ADC Interface
8. DAC Interface
9. EPROM Programmer
10. Elevator Interface

**Name of the Laboratory: Digital Signal Processing Lab**

4<sup>th</sup> year 1<sup>st</sup> Sem

1. Introduction to DSK.
2. To generate sine wave using C6711 device simulator
3. To generate cosine wave using C6711 device simulator
4. To verify linear convolution
5. To verify circular convolution
6. Fast Fourier Transform
7. Power density spectrum
8. Finite impulse resonance filter.
11. infinite resonance filter.

**Name of the Laboratory: Microwave & Optical communication Lab**

4<sup>th</sup> year 1<sup>st</sup> Sem

1. Reflex klystron characteristics.
2. Gunn diode characteristics
3. Attenuation measurement
4. Directional coupler characteristics
5. VSWR measurements
6. Study of Isolator Circulator
7. Scattering parameters of magic tee
8. Characteristics of LED
  - a. Communication through optical fiber.

**Name of the Laboratory: E-Cad LAB (ECE)**

3<sup>rd</sup> year 2<sup>nd</sup> Sem

1. Logic gates
2. D- flip-flop
3. Decade counter.
4. 4-bit counter
5. Shift register.
6. Universal shift register.
7. 3-to-8 decoder.
8. 4- bit comparator.
9. 8\*1 multiplexer.
10. 16\*1 multiplexer.
11. Stack and queue implementation using RAM.

**Name of the Laboratory: ET & NT LAB (ECE)**

2<sup>rd</sup> year 2<sup>nd</sup> Sem

1. Speed control of DC shunt motor with armature control
2. Speed control of DC shunt motor with speed control method
3. Magnetic characteristic of DC Shunt Generator
4. Determination of efficiency of transformer
5. Swin burners test
6. Load test on 1 $\emptyset$  transformer
7. Load test of DC shunt generator
8. Maximum power transformer theorems
9. Super position theorem

10. Kirchoff voltage law
11. Kirchoff current law
12. Thevenin's theorem
13. Norton's Theorem
14. Reciprocity theorems
15. Series & Parallel Resonance

## COMPUTER SCIENCE ENGINEERING LAB

### List of Major Equipment/facilities:

Total Number of computers Available	=	120 systems
Lab 'A'	=	20 Systems (Celron Processor)
Lab 'B'	=	60 Systems (P-IV)
Lab 'C'	=	40 Systems (Cel Pro)
Number of Terminals on LAN	=	60

Software:

WINDOWS 98/2000, XP, JAVA 1.4/1.5, ORACLE 8i, UML (Agro Tool), TURBO C, TURBOC++, MULTISIM, BSD UNIX, LINUX AS3 (Enterprise Edition)

Peripherals

PRINTER	:	2	(1 LASERJET, 2 DOT MATRIX)
UPS	:	1	UPS for servers.

### List of Experimental Setups

Name of the Laboratory: **Computer Programming Lab**

1<sup>st</sup> Year

1. Write a C Program to evaluate the following algebraic expressions after reading necessary values
  - a)  $ax + b/ax - b$
  - b)  $2.5 \log x + \cos 32^\circ + |x^2 - y^2| + \sqrt{2xy}$
  - c)  $1/\alpha \sqrt{2} [e^{-(x-m/\sqrt{2}\sigma)^2}]$
2. Write a C Program for the following
  - a) Printing the given integers in ascending order
  - b) Sum of  $1+2+3+4+\dots+n$  terms

c)  $1+x^2/2+x^2/4+\dots\dots\dots n$  terms

3. Write a 'c' Program Using FOR Statement to find the following from a given set of 20 integers.

- a) Total no. of even integers
- b) Total no. of odd integers
- c) Sum of all even integers
- d) Sum of all odd integers

4. Write a 'c' Program to obtain the product of two matrices A of size (3X3) and B of size (3X2). The resultant matrix C is to be printed out along with A and B, assume suitable values for A and B

5. Using Switch –case Statement, Write a 'c' Program that takes two operands and one operator from the user, performs the operations and then prints the answer (consider operators +,-,/, \* and %)

6. Write a 'c' procedures to add, Subtract, multiply and divide two complex numbers (x+iy) and (a+ib), also write a main program that uses these procedures

7. The Total distance traveled by a vehicle in 't' seconds is given by  $distance = ut + \frac{1}{2}at^2$  where 'u' and 'a' are the initial velocity (m/sec) and acceleration (m/sec<sup>2</sup>)

Write a 'c' program to find the distance traveled at

Regular intervals of time given the values of 'n' and 'a'. The program should provide the flexibility to user to select his own time intervals and repeat the calculations for different values of 'u' and 'a'

8. A cloth show room has announced the following seasonal discounts on purchase of items

Purchase Amount	Discount Percentage	
	Mill cloth	Handloom Item
1-100	---	5.0
101-200	5.0	7.5
201-300	7.5	10.0
Above 300	10.0	15.0

Write a 'c' program using Switch and If statements to compute the net amount paid by a customer.

9. Given a number, Write a 'c' program , using WHILE loop to reverse the digits of the number

10. Write a 'c' Program , using DO-WHILE to calculate and print the first m Fibonacci numbers

11. Write a 'c' program to print the following outputs using FOR loop

```

1
2 2
3 3 3
4 4 4 4
5 5 5 5 5

```

```

1
2 2
3 3 3
4 4 4 4
5 5 5 5 5

```

12. Write a 'c' program to extract a portion of a character string and print the extracted string. Assume that 'm' characters are extracting starting with the n<sup>th</sup> character

13. A Maruthi car dealer maintains a record of sales of various vehicles in the following form

Vehicle	Month of Sales	Price (Rs)
Maruthi 800	Feb-87	75,000
Maruthi DX	Jul-87	95,000
Gypsy	Apr-88	1,10,000
Maruthi Van	Aug-88	85,000

Write a 'c' program to read this data into a table of strings and outputs the details of a particular vehicle sold during a specified period. The program should request the user to input the vehicle type and the period (starting month & ending month)

14. Write a 'c' Program to convert Lower case characters to uppercase equivalents

**Name of the Laboratory: IT Workshop**

1<sup>st</sup> Year

The modules that are to be taught include PC hardware , Internet & World Wide Web and productivity tools include LaTeX, MS Word, Excel, Power Point and Publishers Etc.

**Name of the Laboratory: Oops Thru Java Lab**

2<sup>nd</sup> year 1<sup>st</sup>

Sem

1. Write a java application that reads in two integers and determines and prints if the first is a multiple of the second.
2. Write an applet that inputs from the user the radius of a circle as a floating point number and draws the circles diameter, circumference and area.
3. Write an applet that allows the user to input the four arguments required y method drawOval, then draws an oval using the four input values.
4. Find two largest values of the 10 numbers entered. ( Numbers are not repeated.)
5. Write an application to find all Pythagorean triples for side1, side2, and hypotenuse all no larger than 500.
6. Write a method that determines if a number is prim. Use this method in an applet that determines an prints all the prime numbers between 1 and 10,000.
7. A company pays its sales people on a commission basis. The sales people receive \$200 per week plus, 9% of their gross sales for that week. Write a program that determines how many of the sales people earn salaries in each of the following ranges: 200-299, 300-399, 400-499, .....900-999, 1000 and over.
8. Create a class Rectangle. The class has attributes length and width each of which defaults to 1. It has methods that calculate the perimeter and the area of the rectangle. It has set and get methods for both length and width.
9. Develop a basic graphics package using Shape inheritance to draw rectangles, triangles circles as per user choice.
10. Write a pay roll system.
11. Write an application that inputs a line of text tokenizes the line with an object of class string tokenizer and outputs the token sin reverse order.
12. Write an application that simulates a screen saver.
13. Write a program that draws a rectangle when a mouse is dragged with appropriate width and length

14. Build your own color system that can be used by other applets and applications.
15. Use inheritance to create an exception super class and various exception sub classes. Write a program to demonstrate that the catch specifying the super class catches sub class exceptions.
16. Write a java program to demonstrate that as a high priority thread executes, it will delay the execution of all lower priority threads.
17. Define and develop a complete query application for the books.mdb database.
18. Write cookies to allow user to select books and order them.
19. Implement class temperature server implementation which downloads weather information from national weather service twice a day.
20. Use a socket connection to allow a client to specify a file name and have the sever send the contents of a file or indicate that the file does not exist.

Name of the Laboratory: **Operating Systems & Systems Programming**

2<sup>nd</sup> year 2<sup>nd</sup> Sem

Operating Systems related exercises

- 1) simulate the following CPU scheduling Algorithms
    - a) Round Robin   b) SJF   c) FCFS   d) Priority
  - 2) Simulate all file allocation strategies
    - a) Sequential      b) Indexed      c) linked
  - 3) Simulate MVT and MFT
  - 4) Simulate all file organization techniques
    - a) Single – level directory   b) two level   c) hierarchical
  - 5) Simulate Bankers algorithms for deadlock avoidance
  - 6) Simulate Bankers algorithms for deadlock prevention
  - 7) Simulate all page replacements algorithms
    - a) FIFO   b) LRU   C) LFU
- Systems Programming related exercises
- 1) Fixed point arithmetic
  - 2) Text Processing
  - 3) Keyboard and screen Processing
  - 4) Macro Writing
  - 5) Copy protection schemes
  - 6) Adding Syntax directed facilities to an editor

Name of the Laboratory: **DBMS lab**

2<sup>nd</sup> year 2<sup>nd</sup> Sem

- 1) Creating tables for various relations ( in SQL)
- 2) Implementing the queries for
  - a) Insertion
  - b) Retrieval
  - c) Updation
- 3) Creating views
- 4) Writing Triggers
- 5) Implementing Operations on tables Using PL/SQL

- 6) Creating Forms
- 7) Generating Reports

Name of the Laboratory: **UML Lab**

3<sup>rd</sup> year 1<sup>st</sup> Sem

The student is expected to take up about five mini projects and model them and produce Usecase, Analysis Documents – both Static and Dynamic aspects, Sequence diagram and State Charts, Database design.

### **MINI-PROJECTS**

#### 1. A point-of-sale system project (POS)

A POS system is a computerized application used to record Sales and handle payments.it is typically used in a retail store.it include Hardware components such as a computer and barcode scanner and software to run the system.

#### 2. ATM project

Designing static and dynamic part of ATM system and maintaining. All type of transaction.

#### 3.online bookshop project

Following the model of amazon.com or bn.com,design and implement an online bookstore.

#### 4.multi threaded airport simulation

Simulate the operations in a airport. Your application should support multiple air crafts using several runways and gates avoiding collisions/conflicts

Landing: aircraft used the runway, lands and then taxis over to the terminal

Take off: an aircraft taxies to the runway and then take off.

#### 5. An auction application

Several commerce models exist and are the basis for a number of companies like eBay.com, priceline.com, etc and implement an auction application that provides auctioning services.it should clearly model the various auctioneers the bidding process, auctioning etc.

Name of the Laboratory: **Advanced Unix Programming**

3<sup>rd</sup> year 2<sup>nd</sup> Sem

- 1) Write a Shell script to search and insert/delete a element in a list
- 2) Create 2 processes to run a for loop, which add odd numbers and others even
- 3) By creating required no. of processes, simulate a communication between two processes
- 4) Establish two-way communication between processes
- 5) Create a file i.e. Shared among some users. Write a Program that finds whether a specific user has permissions on the file
- 6) Create Semaphore operation a Shared file
- 7) Create a distributed key among some processes, which exchange message in the form of(m, T, I) for resource sharing, where m=request, reply , release and T =time stamp and I = Process id

Name of the Laboratory: **Language Processors Lab**

3<sup>rd</sup> year 2<sup>nd</sup> Sem

1. Develop a leical analyzer to recognise a few patterns in PASCAL, C and FORTRAN (ex: identifiers, comments, operators, etc.,)
2. Write a program to parse using brute force technique of top-down parsing.
3. Develop on LL(1) parser (construct parse table also)

4. Develop an operator precedence parser (construct parse table also)
5. Develop a recursive descent parser
6. Write a program for generating various intermediate code forms
  - i) three address code
  - ii) polish notation
7. Write a program to simulate heap storage allocation strategy.
8. Generate lexical analyzer using LEX.
9. Generate YACC specification for a few syntactic categories.
10. Given any intermediate code form implement code optimization techniques.

Name of the Laboratory: **Multimedia & Web Design Lab**

4<sup>th</sup> year 1<sup>st</sup> Sem

1. Mark up a chosen text learns to use an image (.gif file). learn how to create a link.
2. Write a web page that displays grades of students
3. Practise paint shop pro and create a new title image to your web page.
4. Get used to ms front page
5. Write java script that inputs three integers from the user and outputs their sum, average, largest, use alert dialog box to display results.
6. Write java script that reads three nonzero values entered by the user in prompt dialog and determine whether they could represent the sides of a triangle.
7. Write a script for a small retail shop.
8. Write a function that determines for a pair of integers, whether the second integer is a multiple of first.
9. Write a script for selection sort.
10. Write a script to write word equivalent of a check amount
11. Practise writing CSS rules.
12. Use the screen object to get the users screen, and then use information to place an image in the middle of this page.
13. Write a function that responds to a click any where on the page.
14. Write a script that blurs images and slowly un-blurs them when they are fully loaded.
15. Use scripting to draw a series of 8-concentric circles
16. Use path control to simulate the motion of text inside a marquee tag
17. Write an animated version of towers of hanoi.
18. Implement a digital clock in a web page.
19. Create an online product catalogue.
20. Study and implement updating a remote data base.

Name of the Laboratory: **Computer Networks Lab**

4<sup>th</sup> year 1<sup>st</sup> Sem

1. implement the data link layer framing methods such as character stuffing and bit stuffing.
2. implement on a data set of characters the three CRC polynomials – CRC-12, CRC-16 and CRC CCIP.
3. implement Dijkstra's algorithm to compute the shortest path thru a graph.
4. take an example subnet graph with weights indicating delay between nodes.  
Now obtain routing table at each node using distance Vector routing algorithm.
5. take an example of subnet of hosts. obtain broadcast tree for it
6. take a 64 bit playing text and encrypt the same using DES algorithm.

7. write a program to break the above DES coding.
8. using RSA algorithm encrypt a text data and decrypt the same.

## **LIST OF FACILITIES AVAILABLE:**

### **Games & Sports facilities:**

The following facilities are available in college and are being used regularly  
 On Friday afternoon after classes, students are encouraged to play friendly matches between  
 . Themselves

1. Cricket
2. Volley ball
3. Badminton
4. Chess
5. Carroms

During Republic Day celebrations, inter class tournaments were held and prizes /  
 Certificates awarded to winners / participants

### **Instructional Area:**

Particulars	Number of rooms		Carpet area of each room	
	Requirement as per norms	Available in the institution	Requirement as per norms	Available in the Institution (Sq.M)
Class Rooms	12	17		1309
Tutorial Hall	05	08		806
Drawing Hall (*)	01	03		462
Computer Centre	02	03		480
Library	01	02		328
Laboratories & workshops	17	22		1844
<b>Total</b>				<b>5229</b>

### **Curricula and syllabi for each of the programmes as approved by the University.**

**Lr.No.DE /JNTU/Acad.Cal.2009/B.Tech.II,III,IV Year-I & II Sem./09-10/B.Tech**  
**Dt:1-07-2009**

Sir,  
 Sub:JNTU-Exam Branch-Academic Calendar for B.Tech.II,III,IV Year-I&II Sem.  
 (2009-10)-Reg.

\*\*\*\*\*

The approved academic calendar for II, III, IV Year B.Tech.-I Sem.& II Sem (2009-10) is given below.

**II,III,IV Year B.Tech.-I Semester**

I spell of Instruction Contd. : 06.07.2009 to 29.08.2009 (8W)  
 I mid Exams : 31-08-09 to 2-09-09  
 II spell of Instruction Contd : 03-09-09 to 28-10-09 (08 Weeks)  
 II mid Exams : 29-10-09 to 31-10-09  
  
 Preparation & Practicals : 02.11.2009 to 14.11.2009  
 End Examinations : 16.11.2009 to 30.11.2009

**II,III,IV Year B.Tech.-II Semester**

I spell of Instruction Contd. : 14.12.2009 to 10.02.2010 (8W)  
 I mid Exams : 11-02-10 to 13.02-10  
 II spell of Instruction Contd : 15-02-10 to 10-04-10 (08 Weeks)  
 II mid Exams : 12-04-10 to 14-04-10  
  
 Preparation & Practicals : 15-04-10 to 24-04-10  
 End Examinations : 26-04-10 to 8-05-10

**Academic Time Tables:**

**CSE II/ISem**

	10:00 To 10:50	10:50 To 11:40	11:40 To 12:30		1:20 To 2:10	2:10 To 3:00	3:00 To 3:50
<b>MON</b>	<b>DBMS</b>	<b>P&amp;S</b>	<b>CO</b>		<b>DBMS LAB</b>		
<b>TUE</b>	<b>MFCS</b>	<b>DLD</b>	<b>ADS</b>		<b>P&amp;S</b>	<b>DBMS</b>	<b>CO</b>
<b>WED</b>	<b>CO</b>	<b>DBMS</b>	<b>P&amp;S</b>		<b>DLD</b>	<b>ADS</b>	<b>MFCS</b>
<b>THU</b>	<b>ADS</b>	<b>MFCS</b>	<b>DLD</b>		<b>ADS LAB</b>		
<b>FRI</b>	<b>DLD</b>	<b>CO</b>	<b>DBMS</b>		<b>ADS</b>	<b>MFCS</b>	<b>P&amp;S</b>
<b>SAT</b>	<b>P&amp;S</b>	<b>ADS</b>	<b>MFCS</b>		<b>DBMS</b>	<b>CO</b>	<b>DLD</b>

**CSE III/I**

	<b>10:00 To 10:50</b>	<b>10:50 To 11:40</b>	<b>11:40 To 12:30</b>		<b>1:20 To 2:10</b>	<b>2:10 To 3:00</b>	<b>3:00 To 3:50</b>
<b>MON</b>	<b>FL&amp;AT</b>	<b>PPL</b>	<b>MEFA</b>		<b>OOAD</b>	<b>OS</b>	<b>CN</b>
<b>TUE</b>	<b>OS</b>	<b>MEFA</b>	<b>FL&amp;AT</b>		<b>OS &amp; CN LAB</b>		
<b>WED</b>	<b>PPL</b>	<b>OS</b>	<b>CN</b>		<b>MEFA</b>	<b>FL&amp;AT</b>	<b>OOAD</b>
<b>THU</b>	<b>MEFA</b>	<b>FL&amp;AT</b>	<b>OOAD</b>		<b>PPL</b>	<b>CN</b>	<b>OS</b>
<b>FRI</b>	<b>OOAD</b>	<b>CN</b>	<b>PPL</b>		<b>UML LAB</b>		
<b>SAT</b>	<b>CN</b>	<b>OOAD</b>	<b>OS</b>		<b>FL&amp;AT</b>	<b>MEFA</b>	<b>PPL</b>

**CSE IV/I**

	<b>10:00 To 10:50</b>	<b>10:50 To 11:40</b>	<b>11:40 To 12:30</b>		<b>1:20 To 2:10</b>	<b>2:10 To 3:00</b>	<b>3:00 To 3:50</b>
<b>MON</b>	<b>SE</b>	<b>DMW</b>	<b>DS</b>	<b>L U N C H</b>	<b>MMW</b>	<b>FTS</b>	<b>NSC</b>
<b>TUE</b>	<b>MM W</b>	<b>DS</b>	<b>FTS</b>		<b>DMW</b>	<b>SE</b>	<b>NSC</b>
<b>WED</b>	<b>DMW</b>	<b>SE</b>	<b>MMW</b>		<b>MMW LAB</b>		
<b>THU</b>	<b>FTS</b>	<b>NSC</b>	<b>SE</b>		<b>DS</b>	<b>MMW</b>	<b>DMW</b>
<b>FRI</b>	<b>NSC</b>	<b>MMW</b>	<b>DMW</b>		<b>FTS</b>	<b>DS</b>	<b>SE</b>
<b>SAT</b>	<b>DS</b>	<b>FTS</b>	<b>NSC</b>		<b>CN LAB</b>		

## CSE I YEAR

	10:00 To 10:50	10:50 To 11:40	11:40 To 12:30	L U N C H	1:20 To 2:10	2:10 To 3:00	3:00 To 3:50/4:50
<b>MON</b>	<b>M&amp;M</b>	<b>CDS</b>	<b>AP</b>		<b>EDC</b>	<b>ENG LAB</b>	
<b>TUE</b>	<b>M-I</b>	<b>BE</b>	<b>CDS</b>		<b>ENG</b>	<b>CP LAB</b>	
<b>WED</b>	<b>CDS</b>	<b>ENG</b>	<b>AP</b>		<b>M&amp;M</b>	<b>NEE LAB</b>	
<b>THU</b>	<b>EDC</b>	<b>BE</b>	<b>M-I</b>		<b>AP</b>	<b>IT WOK SHOP</b>	
<b>FRI</b>	<b>ENG</b>	<b>M&amp;M</b>	<b>BE</b>			<b>EDC</b>	<b>M-I</b>
<b>SAT</b>	<b>BE</b>	<b>EDC</b>	<b>AP</b>		<b>CDS</b>	<b>EDP LAB</b>	

## ECE I YEAR

	10:00 To 10:50	10:50 To 11:40	11:40 To 12:30	L U N C H	1:20 To 2:10	2:10 To 3:00	3:00 To 3:50/4:50
<b>MON</b>	<b>M&amp;M</b>	<b>CDS</b>	<b>AP</b>		<b>EDC</b>	<b>ENG LAB</b>	
<b>TUE</b>	<b>M-I</b>	<b>NA</b>	<b>CDS</b>		<b>ENG</b>	<b>CP LAB</b>	
<b>WED</b>	<b>CDS</b>	<b>ENG</b>	<b>AP</b>		<b>M&amp;M</b>	<b>EDC LAB</b>	
<b>THU</b>	<b>EDC</b>	<b>NA</b>	<b>M-I</b>		<b>AP</b>	<b>IT WOK SHOP</b>	
<b>FRI</b>	<b>ENG</b>	<b>M&amp;M</b>	<b>NA</b>			<b>EDC</b>	<b>M-I</b>
<b>SAT</b>	<b>NA</b>	<b>EDC</b>	<b>AP</b>		<b>CDS</b>	<b>EDP LAB</b>	

## ECE III/I

	<b>10:00 To 10:50</b>	<b>10:50 To 11:40</b>	<b>11:40 To 12:30</b>		<b>1:20 To 2:10</b>	<b>2:10 To 3:00</b>	<b>3:00 To 3:50</b>
<b>MON</b>	<b>AWP</b>	<b>LICA</b>	<b>MEFA</b>	<b>L U N C H</b>	<b>DICA</b>	<b>CO</b>	<b>DC</b>
<b>TUE</b>	<b>DC</b>	<b>MEFE</b>	<b>DICA</b>		<b>CO</b>	<b>LICA</b>	<b>AWP</b>
<b>WED</b>	<b>LICA</b>	<b>DICA</b>	<b>AWP</b>		<b>DC LAB</b>		
<b>THU</b>	<b>MEFA</b>	<b>CO</b>	<b>DC</b>		<b>LICA LAB</b>		
<b>FRI</b>	<b>DICA</b>	<b>AWP</b>	<b>LICA</b>		<b>MEFE</b>	<b>DC</b>	<b>CO</b>
<b>SAT</b>	<b>AWP</b>	<b>DC</b>	<b>CO</b>		<b>DICA</b>	<b>MEFA</b>	<b>LICA</b>

#### ECE IV / I

	<b>10:00 To 10:50</b>	<b>10:50 To 11:40</b>	<b>11:40 To 12:30</b>		<b>1:20 To 2:10</b>	<b>2:10 To 3:00</b>	<b>3:00 To 3:50</b>
<b>MON</b>	<b>DIP</b>	<b>OS</b>	<b>OFC</b>	<b>L U N C H</b>	<b>OFC LAB</b>		
<b>TUE</b>	<b>SC</b>	<b>TVE</b>	<b>CN</b>		<b>DSP LAB</b>		
<b>WED</b>	<b>CN</b>	<b>DIP</b>	<b>TVE</b>		<b>OS</b>	<b>OFC</b>	<b>SC</b>
<b>THU</b>	<b>OFC</b>	<b>OS</b>	<b>CN</b>		<b>DIP</b>	<b>SC</b>	<b>TVE</b>
<b>FRI</b>	<b>TVE</b>	<b>SC</b>	<b>DIP</b>		<b>OFC</b>	<b>OS</b>	<b>CN</b>
<b>SAT</b>	<b>OS</b>	<b>TVE</b>	<b>SC</b>		<b>DIP</b>	<b>CN</b>	<b>OFC</b>

#### ME IV / II

	<b>10:00 To 10:50</b>	<b>10:50 To 11:40</b>	<b>11:40 To 12:30</b>		<b>1:20 To 2:10</b>	<b>2:10 To 3:00</b>	<b>3:00 To 3:50</b>
<b>MON</b>	<b>OR</b>	<b>UCMP</b>	<b>AE</b>		<b>R&amp;AC</b>	<b>PPE</b>	<b>CAD/CAM</b>

<b>SL NO.</b>	<b>NAME</b>	<b>Subject</b>	<b>Total NO. OF PERIODS</b>
<b>1</b>	<b>Srinivas Naik</b>	<b>CAD/CAM + R &amp; AC</b>	<b>5+5= 10</b>
<b>2</b>	<b>Rama krishan</b>	<b>OR + UCMP + CNC Lab</b>	<b>5+5+3=13</b>
<b>3</b>	<b>Sikandar Ali</b>	<b>AME+ PPE + PDP Lab</b>	<b>5+5+3=13</b>
<b>4</b>	<b>P. Raju</b>	<b>R &amp; AC + Automobile Engg</b>	
<b>5</b>	<b>Md MAzar</b>	<b>Classical Mechanics</b>	
<b>6</b>	<b>Nihaj</b>	<b>Engg Drawing</b>	
<b>7</b>	<b>Ubaid</b>	<b>Engg, Drawing</b>	
<b>8</b>	<b>Pranay G</b>	<b>M. T +TE Lab</b>	

<b>TUE</b>	<b>CAD/CAM</b>	<b>PPE</b>	<b>R&amp;AC</b>	<b>AE</b>	<b>UCMP</b>	<b>OR</b>
<b>WED</b>	<b>PPE</b>	<b>OR</b>	<b>AE</b>	<b>CAD/CAM LAB</b>		
<b>THU</b>	<b>R&amp;A C</b>	<b>UCMP</b>	<b>CAD/CA M</b>	<b>PDE LAB</b>		
<b>FRI</b>	<b>AE</b>	<b>UCMP</b>	<b>R&amp;AC</b>	<b>OR</b>	<b>CAD/CA M</b>	<b>PPE</b>
<b>SAT</b>	<b>PPE</b>	<b>CAD/C AM</b>	<b>R&amp;AC</b>	<b>OR</b>	<b>AE</b>	<b>UCMP</b>

**WORK LOAD BRANCH WISE**  
**Dept; Of Mechanical Engg.,**

**Dept; Of ECE**

<b>SL NO.</b>	<b>NAME</b>	<b>Subject</b>	<b>NO. OF PERIODS</b>
1	G.Sujatha	DC+EDC+EDC Lab	5+4+3 =12
2	Magatha Naik	AWP +EDC Lab	5+3=8
3	Mohiuddin	LIC+LICA Lab	5+3=8
4	B.Ekob	NA+E&E Lab	5+4+3=12
5	Jagapathi	TVE+DC Lab	5+3=8
6	Vazeeruddin	DSP + Lab	5+3=8
7	Arham	DICA+OFC	5+5=10
8	Syam Kumar	NA+E&E Lab	4+3=7
9	Abid Ali	DIP+OFC Lab	5+3=8
10	Fasiussin	EDC + EDC Lab	5+3=8
11	Jahangir Pasha	DICA	

<b>SL NO</b>	<b>NAME</b>	<b>Subject</b>	<b>NO. OF PERIODS</b>
1	Krishan Chaitanya	MFCS+PPL	5+5=10
2	V. Suaman	OS+OS+OS LAB	5+5+3=13
3	A. Manemma	CN+CN+CN LAB	5+5+3=13
4	Shaguftha	ADS+SE+ADS LAB	5+5+3=13
5	R. Saumya	NSE+CIDS+CN LAB	4+5+3=12
6	Ramya Krishan	DBMS+FTS+DBMS	5+5+3=13
7	Harish k	FLAT+MMW+MMW	5+5+3=13

Dept  
of CSE

**Dept of H & S**

**Internal Evaluation**

Five comprising objective questions of duration are the course of

SL NO	NAME	Subject	NO. OF PERIODS
1	Prasad K	AP + AP	4+4=8
2	S. Thirumalaiah	MM+-IMM+M-III	4+4+4=12
3	M. Srinivas	M-I+M-I+P&S	4+4+4=12
4	Sandhya Rani	ENG+ENG+ENG Lab	4+4+6=14
5	Raja Shekar E	Environmental Science	
6	Md Manzoor Ahmed	Chemistry	
7	B. Ganga dhar	Library Science	
8	K. srinivas	Library Science	
9	S. sathish Kumar	Physics	

**Continuous System:**

internal tests of 20 type 20 minutes held during the semester,

approximately one test after completion of each unit. The average of best 4 out of these 5 tests is considered towards award of 20 sessional marks.

Apart from these, subjective type tests are held after completion of 3 units which are on JNTU final exam pattern. The intention is to familiarize the students with the pattern of questions asked in the final exam.

For practicals, there is continuous evaluation during the semester for 25 sessional marks. Out of these 15 marks are to be awarded for day to day work are 10 marks for internal lab test.

From Academic year 2005-2006 there will be three objective type tests and three subjective type tests for Ist year. The objective type tests will be of 20 minutes duration and will be online. While the subjective type tests will be of 1 1/2 hours duration and will consist of 5 questions out of which 3 are to be attempted.

Average of four best marks out of the above six tests will be considered towards award of 20 sessional marks.

### **Students' assessment of Faculty:**

A performance Appraisal report is prepared for each faculty member by the Principal wherein due weight age is given to feedback from students. Feedback from students is personally obtained by the Principal at the beginning / during / and towards the end of semester. The feedback plays an important role in counseling of faculty members, taking corrective action where necessary, and if required making a change in faculty.

**Post graduate programme:** This college is approved for UG courses only.