

MANDATORY DISCLOSURE

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:

➤ Address including telephone, Fax, e-mail

NAVODAYA INSTITUTE OF TECHNOLOGY (NIT)

Post Box 26, Mantralayam Road, Raichur – 584 103

Phone No.: 08532 – 223368

Fax No.: 08532 – 223070

e-mail: principal_nit@co.in

II. NAME & ADDRESS OF THE DIRECTOR

Dr. Maheshwar

Navodaya Institute of Technology (NIT),

Post Box 26, Mantralayam Road,

Navodaya Nagar, Raichur – 584 103.

III. NAME OF THE AFFILIATING UNIVERSITY:

VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU),

Machhe, Jnana Sangama,

BELGAUM – 590 014, Karnataka, India

IV. GOVERNANCE

❖ Members of the Board and their brief background –

Sl. No.	Name of the member	Designation	Background
1.	Sri. S.R. Reddy	Founder Secretary	Educationist & Founder of more than 14 educational Institutions at Raichur
2.	Smt. Swathi Reddy	Member	Trustee
3.	Sri Veeresh B. Patil	Member	Practicing Sr. High court lawyer
4.	Mr. Vishnukanth Bhutada	Member	A Successful Entrepreneur and Pharma Industrialist
5	Member Secretary	Principal of NIT RCR, Will be Ex-officio Member	Academician

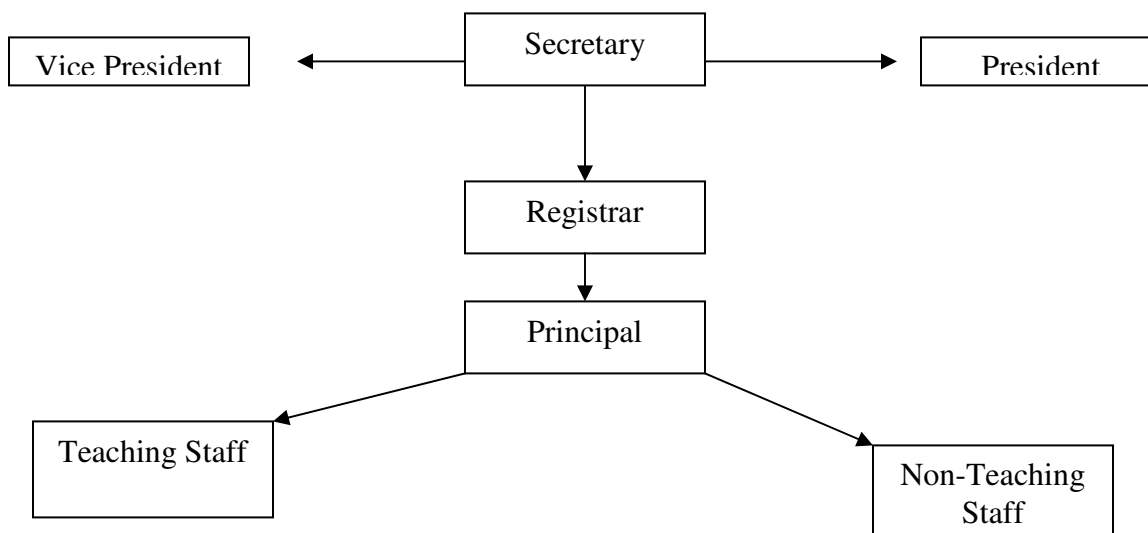
❖ Members of Academic Advisory Body -

Sl. No.	Name of the member	Designation	Background
1.	Sri. S.R. Reddy	Chairman	Educationist
2.	Dr. S.R. Hegde	Member	Principal Navodaya Medical College Raichur. & Prof. in ENT
3.	Mr. R.Basavaraj	Advisor	Academician & Subject Expert
4.	Dr. T. Srinivas, Registrar N.E.T. Rcr.	Member Secretary	Academician and Registrar (Academic & Administration) for Navodaya Group of Institutions Raichur

❖ Frequency of the Board Meetings and Academic Advisory Body –

Once in a semester

❖ Organizational chart and processes –



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

Good involvement

❖ Mechanism / Norms & Procedure for democratic / good Governance –

Power delegated at different levels

❖ Student Feedback on Institutional Governance / faculty performance –

New college, however, Students feedback shall be obtained at the end of each semester

❖ Grievance redressal mechanism for faculty, staff and students –

Grievance cell formed

V. **PROGRAMMES**

❖ Name of the Programmes approved by the AICTE -

**B.E: Electronics & Communication Engineering
Computer Science & Engineering
Electrical & Electronics Engineering
Information Science & Engineering**

❖ Name of the Programmes accredited by the AICTE - **Not applicable.**

❖ For each Programme the following details are to be given:

- Name **Electronics Communication & Engineering**
- Number of seats **60**
- Duration **4 years**
- Cut off mark / rank for admission during the last three years **College commencing from the academic year 2008-09**

- Fee **As per Govt., norms**
- Placement Facility **Placement cell formed**
- Campus placement in last three with minimum salary, maximum salary and average salary **New college, started from the academic year 2008-09**

- Name **Computer Science & Engineering**
- Number of seats **60**
- Duration **4 years**
- Cut off mark / rank for admission during the last three years **College commencing from the academic year 2008-09**

- Fee **As per Govt., norms**
- Placement Facility **Placement cell formed**
- Campus placement in last three with minimum salary, maximum salary and average salary **New college, started from the academic year 2008-09**

- Name **Electrical & Electronics Engineering**
- Number of seats **60**
- Duration **4 years**
- Cut off mark / rank for admission during the last three years **College commencing form the academic year 2008-09**

- Fee **As per Govt., norms**
- Placement Facility **Placement cell formed**
- Campus placement in last three with minimum salary, maximum salary and average salary **New college, started from the academic year 2008-09**

- Name **Information Science & Engineering**
- Number of seats **60**
- Duration **4 Years**
- Cut off mark / rank for admission during the last three years **College commencing form the academic year 2008-09**
- Fee **As per Govt., norms**
- Placement Facility **Placement cell formed**
- Campus placement in last three with minimum salary, maximum salary and average salary **New college, started from the academic year 2008-09**

❖ 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: **NO**

VI FACULTY - Details Annexure - I

- Permanent faculty **17**
- Visiting faculty **Nil**
- Adjunct Faculty **Nil**
- Guest Faculty **Nil**
- Permanent Faculty : Student Ratio **1 : 14**

Number of faculty employed and left during the last three years- **Not Applicable**

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

PROFILE OF THE PRINCIPAL

Name **Dr. MAHESWAR**

- i. Date of Birth **01.11.1969**
- ii. Educational qualification **B.E, M.E, Ph.D**
- iii. Work Experience
 - Teaching- **16 Years**
 - Research
 - Industry
 - Others

PASS PORT SIZE
PHOTO

- iv. Area of Specializations **Thermal Engg.**
- v. Subjects teaching at Under Graduate Level- **Engg. Graphics, TDM, Thermal Engg, IC Engines, Heat Transfer, Power Plant Engg, Metrology Instruments, Operation Research, Mechanical Measurement and control System, Opt techniques.**

Post graduate level

7.	Research guidance	
	No. of papers published in	19
	Master's	-
	Ph. D.	12

- 8. Projects carried out :
- 9. Patents :
- 10. Technology Transfer :
- 11. Research publications :
- 12. No. of books published with details :

SIGNATURE OF PRINCIPAL

VIII. FEE

- ❖ Details of Fee, as approved by State fee Committee, for the Institution - **Rs 28090/-**
- ❖ Time schedule for payment of fee for the entire programme - **Beginning of Academic year**
- ❖ Number of fee waivers granted with amount and name of students- **Nil**
- ❖ Number of scholarships offered by the Institute, duration and amount -**Nil**
- ❖ Criteria for fee waivers / scholarship - **Nil.**
- ❖ Estimated cost of boarding and lodging in hostels - **Rs. 4600/month**

IX. ADMISSION

- ❖ Number of seats sanctioned with the year of approval - **Seats - 240 ; Year 2008-09**
- ❖ Number of students admitted under various categories each year in the last three years - **College started this year only and the current status as on 30-06-2008 is - Under: Govt-07, Management : 17**
- ❖ Number of applications received during last two years for admission under Management quota and number admitted - **Not Applicable**

X. ADMISSION PROCEDURE

- ❖ Mention the admission test being followed, name and address of the test agency and its URL (Website)-
CET Govt. of Karnataka (www.cet.kar.in), KRLM (www.kmca.info)
- ❖ Number of seats allotted to different test qualified candidates separately [AIEEE/CET (state conducted test / University tests) / Association conducted test] : **Seat sharing as per the Govt. order (CET: KRLM is 55%: 45%)**
- ❖ Calendar for admission against Management / Vacancies
 - Last date of request for applications ***
 - Last date for submission of application ***
 - Dates for announcing final results ***
 - Release of admission list (main list and waiting list should in no case be less than 15 days) ***
 - Last date for closing of admission - ***
 - Starting of the Academic session - **As per VTU schedule (4-09-08)**
 - The waiting list should be activated only on the expiry of date of main list **Yes**
 - The policy of refund of the fee, in case of withdrawal, should be clearly notified. **Yes**

*** - As per the calendar of events of KRLM

XI. CRITERIA AND WEIGHTAGES FOR ADMISSION

- ❖ Describe each criteria with its respective weight ages i.e. Admission Test, marks in qualifying examination etc. – **As per Rank in Entrance Test conducted by CET/COMED-K/KRLM**

XII. APPLICATION FORM

- ❖ Downloadable application form, with online submission possibilities.
On line submission of application forms is under process, presently done manually on a printed application format.

XIII. LIST OF APPLICANTS

- ❖ List of candidates whose applications have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats. List of candidates who have applied along with percentage and percentile score for Management quota seats.

New college and Admission Process is on

XIV. RESULTS OF ADMISSION UNDER MANAGEMENT SEATS/VACANT SEATS

Seat allocation is done by KRLM

- ❖ Composition of selection team for admission under Management Quota with the brief profiles of members (This information be made available in the public domain after the admission process is over)
- ❖ Score of the individual candidates admitted arranged in order of merit
- ❖ List of candidates who have been offered admission.
- ❖ Waiting list of the candidates in order of merit to be operative from the last date of joining of the first list candidates.
- ❖ List of the candidates who joined within the date, vacancy position in each category before operation of waiting list.

XV. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

LIBRARY:

- Number of Library books/Titles/Journals available (programme-wise)
Titles; 5010 Books; 32 Journals (24 National+8 International).
- List of online National/International Journals subscribed.
New college subscription is under consideration.
- E-Library facilities **Made available**

LABORATORY:

For each Laboratory

- **List of Major Equipment/Facilities – Annexure - II**
- **List of Experimental Setup as per VTU Syllabus. - Annexure III**

COMPUTING FACILITIES:

- Number and Configuration of Systems **30 P-IV dual core systems & 60 Thinclients & Servers**
- Total number of systems connected by LAN **90**
- Total number of systems connected to WAN **Under process**
- Internet bandwidth **1 mbps**
- Major software packages available **Solid Edge 2D,3D,C,C++**
- Special purpose facilities available **Peripherals: Printers, OHP, Power point projectors (LCD)**

Major Software Available: Annexure IV

WORKSHOP:

- List of facilities available. **Facilities are available as per VTU syllabus, viz., Fitting section, Welding section, Carpentry section.**

GAMES AND SPORTS FACILITIES: Available

- Extra Curricular Activities- **Made available**
- Soft Skill Development Facilities **Made available**
- Number of Classrooms and size of each **3class rooms (190+87+87=364 sq.m)**
- Number of Tutorial rooms and size of each **2 rooms (2X43.5=87 sq.m)**
- Number of laboratories and size of each **05 Labs**
(Physics-200sq.m;
Chemistry-175 sq.m;
Workshop-200 sq.m;
Computer Lab-205 sq.m;
CAED Lab-160sq.m)
- Number of drawing halls and size of each **As per VTU norms**
1X160 sq.m
- Number of Computer Centers with capacity of each **1, with 60 systems**
- Central Examination Facility, Number of rooms and capacity of each room **30 seat capacity**
- Teaching Learning process **Available**
- Curricula and syllabi for each of the programs as approved by the University **Syllabus copy enclosed**
- Academic Calendar of the University **Annexure -V**
- Academic Time Table **Annexure – VI**
- Teaching Load of each faculty **Annexure – VII**

Internal Continuous Evaluation System and place
➤ Students' assessment of Faculty, System in place.

**Practiced
Students feedback
Shall be obtained
at the end of
the semester.**

Sl. No	Name of the Teaching faculty	Department	Designation	Qualification	Experience	Pay Scale Offered	Rate of DA 93% +HRA 7.5%+ Incr.	Gross salary(Rs)
1	Dr.D.Maheshwar		Principal	B.E,M.E, Ph.D.	16 yrs	18,400.00	17112+1380+15,000 (AA)	51,892.00

ANNEXURE I DETAILS OF THE FULL TIME TEACHING FACULTY APPOINTED/IDENTIFIED

19	2	Mr Virees.Hokrani	Karnataka	Computer Science	Lecturer	Asst. Prof	MA B.E.,	-	21 yrs	6,000.00	14,940.00	Consolidated	13,894+1120	6,000.00	29,954.00
20	3	Mrs Pushpalatha D K Muzumdar	Consolidated India	Science of Electrical & Electronics Engineering	Lecturer	Asst.Professor	LLM B.E.,	-	17 yrs	6,000.00	14,940.00	Consolidated	13,894+1120	6,000.00	29,954.00
	4	Mr. D Mohan		Electronics & Communication Engineering		Asst. Professor	B.E., M.Tech		5 yrs		12,000.00		11,160+900		24,060.00
	5	Gayatri Anand				Lecturer	B E		Nil		8,000.00		7440+600		16,040.00
	6	Raj Kumar Innani		ISE (IT)		Lecturer	B E		2 yrs		8,550.00		7952+640		17,142.00
	7	Mr. Shivarajappa		Civil Engineering		Lecturer	B.E., M Tech		1 yr		8,000.00		7440+600		16,040.00
	8	Dhananjay Kumar		Mechanical Engineering		Asst. Prof	BE, M Tech		7 yrs		12,420.00		11,550+932		24,902.00
	9	Abhijeet Kulkarni				Lecturer	B E				8,000.00		7440+600		16,040.00
	10	Mrs.Soumya A Y		Physics		Lecturer	MSc		-		8,000.00		7440+600		16,040.00
	11	Mr.Mukkanna				Lecturer	MSc		3 yrs		8,000.00		7440+600		16,040.00
	12	Dr.Vijayalaxmi		Chemistry		Lecturer	MSc,PhD		2 yrs		8,550.00		7952+640		17,142.00
	13	Mrs.Suvarna Kulkarni				Lecturer	M.Sc.		-		8,000.00		7440+600		16,040.00
	14	Dr.Habeeb Ahmed		Mathematics		Asst. Prof	MSc,PhD		6 yrs		12,000.00		11160+900		24,060.00
	15	Mrs. Swathi				Lecturer	MSc		11 months		8,000.00		7440+600		16,040.00
	16	Mr.Sharath kumar				Lecturer	MSc		3 yrs		8,000.00		7440+600		16,040.00
	17	Mrs.Rekha R				Lecturer	M.Sc				8,000.00		7440+600		16,040.00
	18	Mr Raghavendra S		English		Lecturer	MA		-		6,000.00		Consolidated		6,000.00

ANNEXURE – II

LIST OF MAJOR EQUIPMENT / FACILITIES

List of equipments available in Physics Laboratory

Sl.No.	Name of the Item	Qty
1	Black body Radiator	1
2	Function generator	2
3	Diode gener diode characteristic Expt. Set Up	2
4	Transistor Characteristic	2
5	Semi conductor energy gap Expt. Set up	2
6	Sodium Vapour lamp set	2
7	Capacitor charging & discharging Expt. Set up	2
8	Spectrometer	2
9	Mercury vapour lamp	2
10	Mercury vapour lamp box	2
11	Planks Constant Expt. St up	2
12	Fermi Energy Expt. Set up	2
13	Black body radiator	2
14	Servo stabilizer	1
15	Electric Stove	1
16	Thermometer 110°C	6
17	Digital Multimeter	2
18	Extension Box	6
19	Screw driver set	1
20	Cutting Player	1
21	One meter Scale	6
22	Half meter scale	6
23	Bar magnet	3
24	Spirit Level	3
25	Iron Retort stand	6
26	Resonance Expt. Set up	1
27	Grating (Imported)	2
28	Ultrasonic Interferometer	2

List of equipments available in Chemistry Laboratory

SI.No.	Name of the Item	Qty
1	Potentiometer Digital	2
2	Colorimeter Digital	2
3	Conductivity bridge	2
4	Flame Photometer	1
5	Electronic Balance (300G/10MG)	1
6	PH meter digital	2

List of Glass wares available in Chemistry Laboratory

SI.No.	Name of the Item	Qty
1	Volumetric flask 100ml	8
2	Volumetric flask 10ml	8
3	Reagent bottle narrow mouth 250 ml	12
4	Spatula 6" SS	10
5	Measuring cylinder 10 ml	8
6	Measuring cylinder 100 ml	6
7	Viscometer Ostwald	12
8	Bunsen Burner	10
9	Conical flask 250 ml	10
10	Wash bottle 50 ml pp	12
11	Hot plate round	1
12	Test tube with rim 15x125 mm	100
13	Burette 50 ml	12
14	Volumetric pipette 10 ml	10
15	Dropper glass with teat	12
16	Conductivity cell	1
17	Electrode combined	1
18	Glass tubing 1 kg	1
19	Hot air blower	1
20	Burette stand with clamp	12
21	Tripod stand	12
22	Test tube holder	12
23	Test tube brush	12
24	Test tube stand	12
25	Pipette stand	6
26	Winchester bottle 10 lts	6
27	Tiles	12
28	Beaker 1000ml	12
29	Beaker 500ml	12
30	Beaker 250ml	18
31	Beaker 100ml	18
32	Beaker 50ml	25

List of Chemical available in Chemistry Laboratory

SI.No.	Name of the Item	Qty
1	EDTA Sodium salt 2x500 gm	1 kg
2	Cupric sulphate	1kg
3	Sodium hydroxide pellets	2 kg
4	HCL	10 lts
5	H ₂ SO ₄	10 lts
6	HNO ₃	10 lts
7	Benzene	2 lts
8	Acetic acid glacial	10 lts
9	Erichrome black T	50 gms
10	Ammonium Chloride	2 kg
11	Calcium carbonate	500 gms
12	Buffer tablets 9.2	2 packs
13	Surgical Spirit	5lts
14	Brass metal sheet	1
15	Potassium Iodide	2 kgs
16	Acetone	10 lts
17	Ferroun indicator	200 ml
18	Urea	1 kg
19	Silver nitrate	50 gms
20	Magnesium Sulphate	1 kg
21	Ethanol	2 lts
22	Ammonia Solution	10 lts

List of Equipments for Computer/CAED Lab.

SI.No.	Name of the Item	Qty
1	HP Thin Clients	60
2	15" TFT Monitor	62
3	HP Dual Core Desktop	30
4	HP 17" TFT Monitor	30
5	HP quick release kit	60
6	Dlink 24 port switch	05
7	Cat 5e UTP Cable	12
8	Information out let with face plate 24 port Jack panel	100
9	HP Laser Printer	6
10	Ms Window 2003 server	2
11	Windows Terminal Cal	60
12	Windows Cal	30
13	Windows XP Proof	30
14	Office 2007	01
15	Turbo C++	01

List of Instruments available in workshops

Sl.No.	Name of the Item	Qty
1	Power hacksaw machine	1
2	Welding machine 300 amp	1
3	Bench grinder 6"	1
4	Bench wise 4"	1
5	Level Protractor	1
6	Flat file 8" Rough	20
7	Flat file 8" Smooth	20
8	Half round file 8" rough	20
9	Half round file 8" smooth	20
10	Triangle file 8" rough	20
11	Triangle file 8" smooth	20
12	Round file 8" rough	20
13	Round file 8" smooth	20
14	Square file 8" rough	20
15	Sqaure file 8" smooth	20
16	Tray sqare 10"	15
17	Chisel	5
18	Center punch	5
19	End mill 6 mm	1
20	End mill 8 mm	1
21	End mill 10 mm	1
22	End mill 12 mm	1
23	Bal pen hammer 200 g	5
24	Bal pen hammer 500 G	5
25	Surface plate	2
26	V Block	2
27	Vernier cliper 6"	1
28	Vernier Hight gauge 12" IMP	1
29	Out side caliper	2
30	Steel scale	2
31	Spring divider	2
32	Inside Caliper	2
33	Feeder gauge	1
34	Radius gauge	1
35	Drill Bit	2
36	Tap set	1
37	Tape wrench	1
38	Hack saw frame	1
39	Alphabet punch	1
40	Doble end spanner	1
41	Screw driver set	1
42	Adj. spanner	1
43	Level protector	1
44	Wire brush	1
45	Lether hand gloves	2
46	Welding cable	10 mts
47	Welding electrode	1 pack
48	Welding shield	6
49	Tong	2
50	Apron	2
51	Chipping Hammer	2
52	Die handle Big & Small	1

ANNEXURE – III

SYLLABUS

Computer Aided Engineering Drawing

1. Introduction to Computer aided sketching
2. Orthographic Projections
3. Orthographic Projections of plane surfaces (First Angle Projection only)
4. Projections of Solids (First Angle Projection only)
5. Sections and Development of lateral surfaces of Solids
6. Isometric Projection (Using Isometric Scale Only)

Workshop Practice

1. Fitting

- a. Study of fitting tools
- b. Study of fitting operations & joints
- c. Minimum 5 models involving rectangular, triangular, Semicircular and dovetail joints.

2. Welding

- d. Study of electric arc welding tools & equipments
 - e. minimum 4 models- electric arc welding-Butt joint, Lap joint, T-joint & L-joint.
3. Study and demonstration of carpentry tools, joints and operations.
 4. Study and demonstration of Sheet metal and soldering work.

Computer Programming Laboratory

1. Create a document using a suitable word processing package, like MS Word, with a least three paragraphs and perform the following operations:
 - a. Set left margin 1” and right margin 0.75”
 - b. Centre the heading and make it bold. Increase the font size
 - c. Underline the specified words in the document and change them to italics
 - d. Conduct spell check correct them suitably
 - e. Demonstrate use of numbering and bullets
 - f. Exchange paragraph 2 and 3 using cut and paste facility
 - g. Put suitable header and footers
 - h. Count the number of words and lines
 - i. Demonstrate use of drawing tools

j. Include suitable logo/emblem/symbol

2. Create a formal letter using a suitable word processing package, like MS Word, to place a purchase order for procurement of books, having the following information.

Sl.No.	Title of the book	Details of the book			No. of copies
		Author	Edition	Publisher	

3. Create and execute a DOS batch file HELPDOS.BAT which provides on-line help facility for the following DOS commands-date, time.
4. Create and execute a DOS batch file MYMOVE.BAT with 2 parameters, which creates a new directory (given by parameter 1) and moves the file (given by parameter 2) from the current directory to the newly created directory.
5. Write a C program to find and output all the roots of a given quadratic equation, for non-Zero coefficients. (Using *if.....else* statement)
6. Write a C program to simulate a simple calculator that performs arithmetic operations like addition, subtraction, multiplication, and division only on integers. Error message should be reported, if any attempt is made to divide by Zero. (Using *switch* statement)
7. write a C Program to generate and print first 'N' Fibonacci numbers.(Using looping constructs)
8. write a C program to find the GCD and LCM of two integers and output the results along with the given integers. Use Euclid's algorithm. (Using looping constructs)
9. Write a C program to reverse a given four digit integer number and check whether it is a palindrome or not. Output the given number with suitable message. (Using looping constructs)
10. Write a C program to find whether a given number is prime or not. Output the given number with suitable message. (Using looping constructs)
11. Write a C program to input N real numbers in ascending order into a single dimension array. Conduct a binary search for a given key integer number and report success or failure in the form of a suitable message.
12. Write a C program to input N integer numbers into a single dimension array. Sort them in ascending order using bubble sort technique. Print both the given array and the sorted array with suitable headings.
13. Write a C program to evaluate the given polynomial $f(x) = a_4x^4 + a_3x^3 + a_2x^2 + a_1x + a_0$ for given value of X and the co-efficients using Horner's method. (Using single dimension array to store coefficients)
14. Write a C program to read two matrices A(M*N) and B(P*Q) and compute the product of A and B after checking compatibility of multiplication. Output the input matrices and the resultant matrix with suitable headings and format. (Using two dimension arrays where array size M,N,P,Q≤3)
15. Write C user defined functions
 - a. to input N integer numbers into a single dimension array.
 - b. To conduct a linear search.

Using these functions , write a C program to accept the N integer numbers & given key integer number and conduct a linear search. Report success or failure in the form of a suitable message.

16. Write C user defined functions

- a. to input N integer numbers into a single dimension array.
- b. To sort the integer numbers in ascending order using bubble sort technique.
- c. To print the single dimension array elements.

Using these functions, write a C program to input N integer numbers into a single dimension array, sort them in ascending order, and print both the given array & the sorted array with suitable headings.

17. Write C user defined functions

- a. to input N integer into a single dimension array.
- b. To sort the integer number in descending order using selection sort technique.
- c. To print the single dimension array elements.

Using these functions, write a C program to input N integer numbers into a single dimension array, sort them in descending order, and print both the given array & the sorted array with suitable headings.

18 .Write C user defined functions

- a. to input N real numbers into a single dimension array.
- b. Compute their mean.
- c. Compute their variance
- d. Compute their standard deviation.

Using the functions, write a C program to input N real numbers into a single dimension array, and compute their mean, variance & standard deviation. Output the computed results with suitable headings.

19. Write a c user defined functions

- a. To read the elements of a given matrix of size $M*N$
- b. To print the elements of a given matrix of size $M*N$
- c. To compute the product of two matrices

Using these functions, write a C program to read two matrices $A(M*N)$ and $B(P*Q)$ and compute the product of A & B after checking compatibility for multiplication. Output the input matrices and the resultant matrix with suitable headings and format. (Using two dimension arrays where array size $M,N,P,Q \leq 3$)

20. Write a C program to read a matrix $A(M*N)$ and to find the following using user defined functions:

- a. Sum of elements of the specified row
 - b. Sum of elements of the specified column
 - c. Sum of all the elements of the matrix
- output the computed results with suitable headings.

Engineering Physics Laboratory

1. Series and parallel LCR circuits
2. I-V characteristics of a Zener diode
3. characteristics of a Transistor
4. Band gap of a semiconductor
5. Ultrasonic interferometer (Measurement of velocity of sound in solids and liquids)
6. Dielectric Constant (Measurement of dielectric Constant)
7. Magnetic properties (B-H Graph Method)
8. Diffraction (Measurement of wavelength of laser/Hg source using diffraction grating)
9. Planck's Constant (Determination of Planck's Constant using LED or using the principle of photoelectric effect)
10. Electrical Resistivity (Four probe method)
11. Verification of Stefan's law
12. Determination of Fermi Energy

Engineering Chemistry Laboratory

1. Potentiometric estimation of FAS using standard Potassium dichromate solution.
2. Colorimetric determination copper.
3. conductometric estimation of an acid using standard NaOH solution
4. Flame photometric estimation of sodium in the given sample of water.
5. Determination of pKa of a weak acid using pH meter.
6. Determination of viscosity coefficient of a given liquid using Ostwald's viscometer
7. Determination of Total hardness of a sample of water using disodium salt of EDTA
8. Determination of Calcium Oxide (CaO) in the given sample of cement by Rapid EDTA method
9. Determination of percentage of copper in brass using standard sodium thiosulphate solution.
10. Determination of iron in the given sample of Haematite ore solution using potassium dichromate crystals by external indicator method
11. Determination of Chemical Oxygen Demand (COD) of the given industrial waste Water sample.
12. Determination of Dissolved Oxygen in the given water sample by winkler method.

ANNEXURE – IV

List of Major Software available

- WINDOWS 2003
- WINDOWS XP
- MS – OFFICE
- LINUX
- BORLAND C++
- SOLID EDGE 2D

ANNEXURE – V

Academic Calendar of University

	I Sem B.E./B.tech B.Arch.	I Sem MBA MCA	I Sem M.Tech	I Sem M.Arch.
Commencement of odd semester	04.09.2008 <i>(Tentative)</i>	22.09.2008 <i>(Tentative)</i>	04.09.2008	04.09.2008
Last working day of odd Semester	20.12.2008	10.01.2009	20.12.2008	09.01.2009
Practical Examination	22.12.2008 To 03.01.2009	02.02.2009 To 14.02.2009	---	---
Theory Examination	05.01.2009 To 17.01.2009	16.01.2009 To 31.01.2009	29.12.2008 To 15.01.2009	12.01.2009 To 31.01.2009
Commencement of Even Semester	09.02.2009	20.02.2009	20.02.2009	20.02.2009

ANNEXURE - VI

TIME TABLE

SECTION A

LH – 1

<u>PERIOD</u>	1 10-11	2 11-12	3 12-1	4 1-2	5 2-3	6 3-4	7 4-5
MON	MATHS	ME	PHY	LUNCH BREAK	WS / PHY LAB		
TUE	EE	PHY	CE		WS / PHY LAB		
WED	EE	ME	CE		MATHS	CIPE	KAN
THU	MATHS	ME	EE		CE	CIPE	KAN
FRI	PHY	MATHS	EE		-	-	-
SAT	PHY	ME	EE		-	-	-

TIME TABLE

SECTION B

LH – 2

<u>PERIOD</u>	1 10-11	2 11-12	3 12-1	4 1-2	5 2-3	6 3-4	7 4-5
MON	CHEM	ENV STDY	MATHS	LUNCH BREAK	CAED (Th)	CAED LAB B1	
TUE	CP	MATHS	BE		ENG	CAEDLAB B1	
WED	CP	MATHS	BE		CAED (Th)	CAEDLAB B2	
THU	BE	CHEM	CP		CP / CHEM LAB		
FRI	BE	CHEM	CP		CP / CHEM LAB		
SAT	CHEM	MATHS	ENV STDY		ENG	CAED LAB B2	

TIME TABLE

SECTION C

LH – 3

<u>PERIOD</u>	1 10-11	2 11-12	3 12-1	4 1-2	5 2-3	6 3-4	7 4-5
MON	EE	ME	CE	LUNCH BREAK	MATHS	CIPE	KAN
TUE	MATHS	ME	EE		CE	CIPE	KAN
WED	MATHS	ME	PHY		WS/PHY LAB		
THU	EE	PHY	CE		WS/PHY LAB		
FRI	PHY	ME	EE		--	--	--
SAT	PHY	MATHS	EE		--	--	--

TIME TABLE

SECTION D

LH – 4

<u>PERIOD</u>	1 10-11	2 11-12	3 12-1	4 1-2	5 2-3	6 3-4	7 4-5
MON	BE	CHEM	CP	LUNCH BREAK	CP/CHEM LAB		
TUE	BE	CHEM	CP		CP/CHEM LAB		
WED	CP	MATHS	BE		CAED	CAED LAB	
THU	CHEM	MATHS	ENV		ENGL	CAED LAB	
FRI	CHEM	ENV	MATHS		CAED	CAED LAB	
SAT	CP	MATHS	BE		ENGL	CAED LAB	

ANNEXURE – VII
Faculty work Load

(Four Sections of 60 Students each)

SL. NO.	SUBJECTS	TEACHING WORK LOAD	REMARKS
1.	Chemistry	Theory – 4 (hrs)per section x 2 sections = 8 Hrs Lab – 4 (Batches) x 3 (hrs) = 12 units Total = 8*2+12=28 units	
2.	Physics	Theory – 4 (hrs)per section x 2 sections = 8 Hrs Lab – 4 (Batches) x 3 (hrs) = 12 units Total = 8*2+12=28 units	
3.	Maths	Theory – 4 (hrs)per section x 4 sections = 16 Hrs Total = 16*2=32 units	
4.	Civil & Environmental Engg	Theory – 4 (hrs)per section x 2 sections = 8 Hrs Theory – 2 (hrs)per section x 2 sections = 4 Hrs Total = 12 * 2 = 24 units	
5.	Mechanical, CAED, Workshop practice	Theory – 4 (hrs)per section x 2 sections = 8 Hrs + 2(Hrs)*2 Batches = 12 Hrs Lab – 4 (Batches) x 3 (hrs) = 12 units Lab – 8 (Batches) x 2 (hrs) x 2 = 24 units Total = 12*2+12+24=60 units	
6.	Electronics & Communication	Theory – 4 (hrs)per section x 2 sections = 8 Hrs Total = 8 *2= 16 units	
7.	Electrical & Electronics	Theory – 4 (hrs)per section x 2 sections = 8 Hrs Total = 8 *2= 16 units	
8.	Computer Science & Engineering	Theory – 4 (hrs)per section x 2 sections = 8 Hrs Lab – 4 (Batches) x 3 (hrs) = 12 units Total = 8*2+12=28 units	
9.	Humanities CIV	Total = 2 Hrs*2 = 4 units	
10.	English	Total = 2 Hrs*2 = 4 units	