Mandatory Disclosure

Mandatory Disclosure by Institutions running AICTE approved Engineering/ Technology/ Pharmacy programs to be included in their respective Information Brochure, displayed on their website and to be submitted to AICTE every year latest by 30th April together with its URL.

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

"The information has been provided by the concerned institution and the onus of authenticity lies with the institution and not on AICTE.".

1. NAME OF THE INSTITUTION:

GOVERNMENT ENGINEERING COLLEGE,PATAN
Village: Katpur, Patan-384265
Ph: 2766297735, 2766297736 Fax:230780
Email: principalgecpatan@gmail.com

2. **NAME AND ADDRESS OF THE TRUST/SOCIETY/COMPANY AND THE TRUSTEES : NA**

3. NAME & ADDRESS OF THE PRINCIPAL:

Dr. H. S. Patel
GOVERNMENT ENGINEERING COLLEGE,PATAN
Village: Katpur, Patan-384265

4. **NAME OF THE AFFILIATING UNIVERSITY:**

Gujarat Technological University, Ahmedabad

5 . **GOVERNANCE**

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

The institute is governed by state government (Gujarat).

- **Members of Academic Advisory Body**

The affiliating university, Gujarat Technological University, Ahmedabad, prescribes the syllabi of all the programmes run by the institute. The University has the Boards of Studies for all programmes, the Faculties and Academic Council to take decision pertaining to academic activities at the institute. Hence Academic Advisory Body is not formed at institute level. Principal and senior staff members are the members of university faculty body, Examination Committee and Board of Studies.

- **Frequency of the Board Meetings and Academic Advisory Body**

Board Meetings are arranged as and when required but minimum twice in the year. As mentioned earlier the Academic Advisory Body is not required to be formed at institute level.

- **Organizational chart and processes**

Education Department

Directorate of Technical Education

Principal

Head of Departments	Administrative Officer	**Academic and library Staff**	Training and Placement Officer

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

1. Regularly the meetings of faculty are arranged at department level.
2. Weekly meetings of Heads of departments/sections.
3. Pedagogy lectures series arranged.
4. Suggestions are sought from faculty & students.
5. Technical competitions are organized by students under guidance of faculty under the name SEARCH.
6. Faculty takes feedback from students regularly.
7. It is made compulsory for all faculty members to display and upgrade the list of addresses of websites relevant to the chapter/topics, they are teaching.
8. Interested students are sent for industrial training.
9. Students are sent to participate at the technical competitions at other institutes.

- **Mechanism/Norms & Procedure for democratic/good Governance**

1. Modules for E-governance are developed in-house by the faculty.
2. No queue concept is practiced.
3. Mobile Group messaging is placed for contact with students.
4. Intranet for faster communication.
5. Parents are regularly informed about the academic performance and attendance of their son/daughter/ward.

- **Student Feedback on Institutional Governance/faculty performance**

1. Feedback from students for faculty performance is regularly taken.
2. A suggestion box is put to collect feedback from all stake holders.

3 Class representatives give their suggestions through their counselors.

- **Grievance redressal mechanism for faculty, staff and students**

Students:

1 The grievances of students are attended by Students Grievance Redressal Committee.

2 The grievances are resolved in the meeting of H.O.Ds with Principal if required.

Faculty and Staff:

Faculty and staff enjoy full freedom to meet the Principal directly for any grievances and if not satisfied can approach the Chairman of the Management directly who takes all necessary steps for redressal of grievances.

5. PROGRAMME

- **Name of the Programs approved by the AICTE**

1 Mechanical Engineering

2 Computer Science Engineering

3 Electronics and Communication Engineering

4 Electrical Engineering

5 Civil Engineering

- **Name of the Programs accredited by the NBA :**

Sr. No.	Name of programme	Status of NBA
1	Mechanical Engineering	Not Eligible
2	Computer Science &Engineering	Not Eligible
3	Electronics and Communication Engineering	Not Eligible
4	Electrical Engineering	Not Eligible
5	Civil Engineering	Not Eligible

- **Status of Accreditation of the Courses:**

  - Total number of Courses: 05
  - No. of Courses for which applied for Accreditation: 00
  - Status of Accreditation – Preliminary/ Applied for SAR and results awaited/ Applied for SARand visits completed/ Results of the visits awaited/ Rejected/ Approved for . . .Courses (specifythe number of courses) : NA

- **For each Program the following details are to be given:**
  - Name
  - Number of seats
  - Duration
  - Cut off mark/rank for admission during the last three years
  - Fee
  - Placement Facilities
  - Campus placement in last three years with minimum salary, maximum salary and average salary

Name of Department	Year	No. of seats	Duration (years)	Fee Rs. per student
Mechanical Engineering	2019-20	120	4	1500/-
	2020-21	90		
	2021-22	90		
Computer Science Engineering	2019-20	120	4	1500/-
	2020-21	120		
	2021-22	120		
Electronics and Communication Engineering	2019-20	120	4	1500/-
	2020-21	30		
	2021-22	30		
Electrical Engineering	2019-20	60	4	1500/
	2020-21	60		
	2021-22	60		
Civil Engineering	2019-20	60	4	1500/
	2020-21	60		
	2021-22	60		

- **Cutoff marks**

Mechanical Engineering

Year	General	SEBC	SC	ST	CBSC
2019-20	33239	-	-	-	-
2020-21	33522	-	-	-	-
2021-22	34314	-	-	-	-

Computer Science & Engineering

Year	General	SEBC	SC	ST	CBSC
2019-20	17458	19888	30845	-	-
2020-21	9280	14103	27709	24844	-
2021-22	9280	14103	27709	-	-

Electronics and Communication Engineering

Year	General	SEBC	SC	ST	CBSC
2019-20	31049				
2020-21	31782	-	-	-	-
2021-22	31782	-	-	-	-

Electrical Engineering

Year	General	SEBC	SC	ST	CBSC
2019-20	33074	-	-	-	-
2020-21	34546	-	-	-	-
2021-22	34546	-	-	-	-

Civil Engineering

Year	General	SEBC	SC	ST	CBSC
2019-20	21820	29347	28920	32769	-
2020-21	24567	24855	31776	29207	-
2020-21	24567	33070	-	-	-

- Placement Facilities

Placement Facilties	Campus Placements	Campus Placement in Last three Years
T&P Cell	Student Selected in off Campus Interview	As Per Following Table 1

- **Placement Data :**

Table 1:

SN	Name of the Company	Academic Year	No of Students Placed	Maximum Salary Offered	Minimum Salary Offered	Median Salary Offered
1	Barodaweb	2017-18	1	120000	120000	120000
2	CompuBrain	2017-18	1	120000	120000	120000
3	Cygnet infotech Pvt Ltd	2017-18	2	300000	300000	300000
4	Infibeam Incorporation Ltd.	2017-18	14	180000	180000	180000
5	Innovative software development	2017-18	1	120000	120000	120000
6	Oozee technologies	2017-18	1	145000	145000	145000
7	Sarjen Systems Pvt. Ltd	2017-18	8	200000	200000	200000
8	Mantram Developers	2017-18	1	130000	130000	130000
9	Pradhan Mantri Kausalya Kendra, Patan	2017-18	1	144000	144000	144000
10	Shree ganesh corporation, navsari	2017-18	1	132000	132000	132000
11	AU small finance bank ltd	2017-18	1	240000	240000	240000
12	R&B Dept-	2017-18	1	385000	385000	385000
13	Maize Products	2017-18	1	100000	100000	100000
14	Sai CabtechPvt.LtdSayaji Industries Ltd)	2017-18	5	84000	84000	84000
15	Infibeam Incorporation Ltd.	2018-19	4	180000	180000	180000
16	Sarjen Systems Pvt. Ltd.	2018-19	5	200000	200000	200000
17	Tata Consultancy Services	2018-19	6	336000	336000	336000
18	Kaizen InfocommPvt. Ltd.	2018-19	2	120000	120000	120000
19	KeyaInfraconPvt. Ltd.	2018-19	1	120000	120000	120000
20	PSC Projects Ltd. Ahmedabad	2018-19	1	264000	264000	264000
21	Job at Chevroh, Raipur, Chattisgadh	2018-19	1	180000	180000	180000
22	SahyogRekha LLP , Rajkot	2018-19	1	168000	168000	168000

23	Entrepreneur	2018-19	1	150000	150000	150000
24	Entrepreneur	2018-19	1	150000	150000	150000
25	Valens DataLabs	2019-20	1	230000	230000	230000
26	NSEG Private Limited	2019-20	1	360000	360000	360000
27	Tata Consultancy Services	2019-20	3	300000	300000	300000
28	CyberCom Creation	2019-20	3	220000	220000	220000
29	Valens DataLabs	2019-20	1	230000	230000	230000
30	e-Infochips Private Limited	2019-20	2	360000	360000	360000
31	Sarjen Systems Pvt. Ltd.	2019-20	5	250000	250000	250000
32	The one Technology	2019-20	2	180000	180000	180000
33	Acute Informatics	2019-20	3	120000	120000	120000
34	Ordex Technology	2019-20	2	180000	180000	180000
35	Impero IT Services Pvt. Ltd.	2019-20	5	200000	200000	200000
36	Infoya Education & Immigration Services	2019-20	1	144000	144000	144000
37	Kachhua Technologies Pvt Ltd	2019-20	3	144000	144000	144000
38	Kachhua Education Services LLP, Patan	2019-20	9	84000	84000	84000
39	Braintek Design Institute	2019-20	2	96000	96000	96000
40	Tata consulatacy services	2019-20	1	336875	336875	336875
41	Loyal Equipments Limited	2018-19	1	120000	120000	120000
42	Maxima Tube Company Pvt Ltd	2018-19	1	100000	100000	100000
43	Suraj Steel	2018-19	1	100000	100000	100000
44	Nirma Limited	2018-19	1	223200	223200	223200
45	Value Chain Solutions Pvt Ltd	2018-19	1	120000	120000	120000
46	Monarch Innovation Private LImited	2020-21	3	102000	96000	96000
47	AVASA INDIA PVT LTD	2020-21	2	120000	119000	119000
48	Valens DataLabs	2020-21	4	220000	220000	220000
49	PRABHA MOTORS	2020-21	1	100000	84000	95000
50	Pratibha Engineering Services	2020-21	1	180000	180000	180000
51	e-Infochips Private Limited	2020-21	1	360000	360000	360000
52	Tata Consultancy Services	2020-21	2	336000	336000	336000
53	Evosys Global	2020-21	2	320000	320000	320000
54	Teksun Inc	2020-21	1	300000	300000	300000
55	Rishabh Software Private Limited	2020-21	1	276000	276000	276000
56	Venus industrial corporation	2021-22	7	15000	144000	144000
57	Gensol	2021-22	1	15000	144000	144000
58	EXPEL PROSYS PVT LTD, VADODRA	2021-22	1	15000	144000	144000
59	Adity Infotech	2021-22	1	15000	144000	144000
60	Fortune panel pvt ltd, Mahesana	2021-22	1	15000	144000	144000
61	EXPEL PROSYS PVT LTD, VADODRA	2021-22	1	15000	144000	144000

62	Toodle Ltd	2021-22	1	15000	144000	144000
63	Johnson & Jonson Deler	2021-22	1	15000	144000	144000
64	Lambiga	2021-22	1	15000	144000	144000
65	Relience Jio	2021-22	1	15000	144000	144000
66	GETCO	2021-22	1	15000	144000	144000

- 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**:** **NA**

Details of the Foreign Institution/University: NA

1 Name of the University/Institution

2 Address

3 Website

4 Is the Institution/University Accredited in its Home Country.

5 Ranking of the Institution/University in the Home Country.

6 Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which has approved equivalence. If no, implications for students in terms of pursuit of higher studies in India and abroad and job both within and outside the country.

7 Nature of Collaboration

8 Conditions of Collaboration

9 Complete details of payment a student has to make to get the full benefit of collaboration.

For each Collaborative/affiliated Program give the following:

1 Programme Focus

2 Number of seats

3 Admission Procedure

4 Fee

5 Placement Facility

6 Placement Records for last three years with minimum salary, maximum salary and average salary

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

6 . FACULTY

- Branch wise list faculty members:
  - Permanent Faculty
  - Visiting Faculty

- Adjunct Faculty
- Guest Faculty
- Permanent Faculty: Student Ratio

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

	Name:	**Dr. Harshvadan S. Patel**
	Post:	Principal
	Date of Birth :	23/3/1964
	Email:	
	Webpage:	
	Educational Qualification:	**PH.D**
	Work Experience:	Teaching: 26
		Research: 12
	Area of Specializations:	Structural Engineering
	Subjects teaching at Under Graduate Level:	Mechanics of Solids (3130608); Concrete Technology (3150610); Structural Analysis-1 (3140603); Structural Analysis-2 (3150614); Design of Structures (3150612); Design of reinforced concrete Structures (3160612); Earthquake Engineering (3160621); Repairs and Rehabilitation of Structures (2180607)
	Post Graduate Level:	
	Research guidance:	
	No. of Research papers published:	65
	Projects Carried out:	
	Nos. of consultancy project:	
	Patents:	
	Technology Transfer	
	No. of Books published with details:	

	Published in International Journal	
	1	A review on effects of stabilizing agents for stabilization of weak soil.
	2	Seismic behaviour of RC elevated water tank under different staging pattern and earthquake characteristics
	3	Experimental Study to Correlate the Test Results of PBT, UCS, and CBR with DCP on Various soils in soaked condition
	4	Prediction of subgrade strength parameters from dynamic cone penetrometer index, modified liquid limit and moisture content
	5	Laboratory assessment to correlate strength parameter from physical properties of subgrade
	6	Supporting systems for reinforced concrete elevated water tanks‖
	7	Effect of coarse aggregate characteristics on strength properties of high

		performance concrete using mineral and chemical admixtures
	8	Effect on compressive and flexural strength of high-performance concrete incorporating Alccofine and fly ash
	9	Experimental study on various soils to correlate DCP with PBT, UCS and CBR results
	10	Sloshing response of elevated water tank over alternate column proportionality
	11	Former failure assessments of RC elevated water tanks: literature review
	12	Squeeze film performance in parallel rough circular disks lubricated by ferrofluid with non-newtonian couple stress effect
	13	ENHANCED RECOVERY AFTER THORACIC SURGERY: OUTCOMES FOLLOWING IMPLEMENTATION OF A TAILORED ERAS PATHWAY IN A TERTIARY CENTRE: 0579
	14	Evaluation of compressive strength of mortars containing stone dust as partially replacement with fine aggregate

MECHANICAL ENGINEERING DEPARTMENT

- Number of faculty employed and left during the last three years(2018-2019,2019-20,2020-2021)

YEAR	NON TEACHING (JOIN)	TEACHING (JOIN)	NON TEACHING (Left/Transferred)	TEACHING (Left/Transferred)
2018-19	0	1	0	2
2019-20	0	0	0	0
2020-21	0	2	0	1

Permanent Faculty:

Sr. No.	Name	Post	Appointment is approved by university[Letter Number]
	Branch: Mechanical Engineering		
1	ANAND B DHRUV	Professor	Government of Gujarat, Education Department,Sachivalaya, Gandhinagar, Notification- GEC-112018-1054 –GH, Dated31-12-2020
2	Dr.D.K.Patel	Professor	Government of Gujarat, Education Department,Sachivalaya, Gandhinagar, Notification- GEC-112018-1054 –GH, Dated31-12-2020
3	Dr. N.A.Patel	Assistant Professor	ક્રમાંક: જીઈસી/નિમણુંક/સ.પ્રા.મીકિ./મીકિ./ ૨૦૧૧/ધ-૧/૧૧૫૬૨. તા.-૧૧-૦૪-૨૦૧૧

4	C. C. Patel	Assistant Professor	ક્રમાંક: જીઈસી/નિમાણુંક/સ.પ્રા.મીકે./મીકે./ ૨૦૧૧/ધ-૧/૧૧૫૬૨. તા.-૧૧-૦૪-૨૦૧૧
5	Patel Miteshkumar Govindbhai	Assistant Professor	જી ઈ સી/નિમાણુક /સ.પ્રા.મીકે./૨૦૧૧/ ધ -૧/૧૧૫૬૨
6	Sachin Popatlal Patel	Assistant Professor	જીઈસી/નિમાણુંક/સ.પ્રા.મીકે./૨૦૧૧/ધ-૧/૧૧૫૬૨ Dt. ૧૧-૦૪-૨૦૧૧
7	Prof K V Patel	Asst. Professor	GEC/APPOINTMENT/ASST. PROF/ MECH./2011/GH-1/11562 DT. 11/04/2011
8	Prof. Dipak J Parmar	ASSISTANT PROFESSOR	જીઈસી/નિમાણુંક/સ.પ્રા.મીકે./૨૦૧૧/ધ-૧/૧૧૫૬૨ , તા.૧૧-૦૪-૨૦૧૧
9	Prof.Kamlesh Hasmukhlal Thakkar	Asst. Professor	**જીઈસી/સીભ/સહા.પ્રા/મિકેનીકલ/2016/ધ-1/15061**
10	PATEL KALPESHKUMAR PRAHALADBHAI	Assistant Professor	જીઈસી /સી. ભ /સહા .પ્રા /મીકેનિકલ /૨૦૧૬ /ધ -૧ /૧૫૦૬૧ તા . ૦૮ /૦૬ /૨૦૧૬
11	Girishkumar Shankarlal Patel	Assistant Professor	**જીઈસી/સીભ/સહા.પ્રા/મિકેનીકલ/2016/ધ-1/15061**
12	Prof. B. B. Patel	Assistant Professor	જીઈસી/સી.ભ./સહા.પ્રા./મિકેનિકલ/2016/ધ-1/15061

13	Prof.Vipulkumar Kashiram Patel	Asst. Professor	**જીઈસી/સીભ/સહા.પ્રા/મિકેનીકલ/2016/ધ-1/15061**
14	Prof. Narendrasinh Ramjibhai Makvana	Asst. Professor	**જીઈસી/સીભ/સહા.પ્રા/મિકેનીકલ/2016/ધ-1/15061**
15	Prof. Rakeshkumar Amrutlal Oza	Asst. Professor	**જીઈસી/સીભ/સહા.પ્રા/મિકેનીકલ/2016/ધ-1/15061**
16	DR.Hitesh Panchal	Asst. Professor	**જીઈસી/સીભ/સહા.પ્રા/મિકેનીકલ/2016/ધ-1/15061**

Permanent faculty student ratio: 1:23

Faculty Profile:

1	**Name:**	**ANAND BHANUPRASAD DHRUV**		
2	Post:	PROFESSOR		
3	Date of Birth :	**26-04-1971**		
4	Email:	dhruv_30@rediffmail.com		
-5	Webpage:			
6	Educational Qualification:	**PH.D.**		
7	Work Experience:	Teaching: 26		
		Research: 12		
		Industry: 1		
		Others :		
	S.No.	Institute	Period	Experience
	1	L E COLLEGE,MORBI	24-02-1995 TO 31-03-2000	05 YR
	2	L D COLLEGE OF ENGG	1-4-2000 TO 1-8-2008	08 YR
	3	GEC, MODASA	2-8-2008 TO27-5-2015	07YR
	4	VGEC, CHANDKHEDA	28-05-2015TO 18-1-2021	05.5 YR
	5	GEC, PATAN	19-1-2021 TO TILL DATE	
8	Area of Specializations:	**Cad/cam, manufacturing, automobile**		
9	Subjects teaching at Under Graduate Level:	**CAD,AUTOMOBILE ENGG, METAL FORMING**		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : 02		
		Ph.D.: 05		
12	No. of Research papers published:	National Journals :		
		International Journals :		
		Conferences :		
	Published in International Journal			
	1			
	2			
	3			
	4			

	Published in National Journal	
	5	
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1	Intensive course on Bulk Forming Processes		
	2	Manufacturing And Automation		
	3	MICRO MANUFACTURING		
	4	SHEET METAL DESIGN		
	5	WIND POWER BASICS		
	6	Quality Management System/Quality Technology Tools For Technical Teachers		
	7	Finite Element Analysis and its application		
	8	CAD, Advance Simulation And Manufacturing Using Nx Software		
	9	Applications of artificial intelligence in mechanical engineering		
	10	Advance welding and weld testing technique		
	11	Advances in refrigeration and a/c		
	12	Application Of Renewable Engry Sources		
	13	Alternative flues and emission control		
	14	Solar Architecture		
	15	Design methodology		
18	Seminar:			
	1	Workshop on measurement techniques in turbomachines		
	2	GOVT. PURCHASE AND STORES		
19	Membership:	INSTITUTE OF ENGINEERS (I) ,SAE,ISTE		

Faculty Profile:

1	**Name:**		**Dr. D.K.Patel**	
2	Post:		Professor	
3	Date of Birth :		**31-07-1970**	
4	Email:		dkpatel09@gmail.com	
5	Webpage:			
6	Educational Qualification:		**PhD, Mechanical Engineering**	
7	Work Experience:		Teaching: 24 Years	
			Research:	
			Industry: 02 Years	
			Others : .	
	S.No.	Institute	Period	Experience
	1	Vishvakarma Govt. Engg. College, ChandKheda.	22-11-1996 To 16-11-2004	8 Years
	2	Govt. Engg. College, Patan.	17-11-2004 To Continue	16 Years
	3			
	4			
	5			
8	Area of Specializations:		**Solar Energy**	
9	Subjects teaching at Under Graduate Level:		**Renewable Energy Engineering, Oil Hydraulics & Pnematics, Organizational Behaviour, Engineering Economics and Management.**	
10	Post Graduate Level:		------	
11	Research guidance:		Master's Degree : -----	
			Ph.D.: ----- 6 (Six). PhD Scholars	
12	No. of Research papers published:		National Journals : 0	
			International Journals : 6	
			Conferences : 5	
	Published in International Journal			
	1	Theoretical and experimental performance analysis of sandstones and marble pieces as thermal energy storage materials inside solar stills H Panchal, DK Patel, P Patel International Journal of Ambient Energy 39 (3), 221-229		
	2	Solar energy utilisation for milk pasteurisation: A comprehensive review H Panchal, R Patel, S Chaudhary, DK Patel, R Sathyamurthy, ... Renewable and Sustainable Energy Reviews 92, 1-8		
	3	A review on compound parabolic solar concentrator for sustainable development DK Patel, PK Brahmbhatt, H Panchal International Journal of Ambient Energy 39 (5), 533-546		
	4	Annual performance analysis of a single-basin passive solar still coupled with evacuated tubes: comprehensive study in climate conditions of		

		Mahesana, Gujarat H Panchal, R Sathyamurthy, AK Pandey, M Kumar, T Arunkumar, ... International Journal of Ambient Energy 40 (3), 229-242
	5	Analysis and Performance Investigations on a Solar Air Heater with Compound Parabolic Concentrator DKPPK Brahmbhatt International Journal on Recent and Innovation Trends in Computing and Communication ,
	6	Thermal analysis of compound parabolic concentrator DS Patel, DK Patel Int. J. Mech. Prod. Eng. Res. Dev 5 (6), 117-126
	7	Numerical investigation of blade tip with different groove effect and its dynamic analysis of axial flow fan J Vala, DK Patel, H Panchal International Journal of Ambient Energy, 1-9.
	Published in National Journal	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	(1) Headgear with air conditioning system Application Number :- 201921013727 A, 2019.		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1	Concurrent Engg. For product life cycle cost reduction, Nirma Institute of Technology. Ahmedabad.		
	2	Essential HRD skills for Technical Teachers, Shanmugha Arts, Science,Technology and Reserch Academy (SASTRA).		
	3	Industrial Hydraulics, Centre for research and industrial staff performance.		
	4	Reliability Centred Maintenance, National Institute of Technology, Hamirpur(H.P).		
	5	CAD using Pro-e, NITTR,Chandhigarh.		
	6	Recent Trends in Nano Composite, IIT. Kanpur.		
	7	Computational fluid Dynamics & Heat Transfer,L.D.College Of Engg. Ahmedabad.		
	8	Engineering Drawing using CAD,Indo-US collaboration for Engineering Education.		
	9	Advanced Quality Management Philosophies and Techniques S.V.National Institute of Technology, Surat.		
	10	Basic CNC Programming,Batliboi Ltd. Surat.		
	11	Institutional Management and Networking: Leadership Programme for TEQIP-II Engineering Colleges,Indian Institute of		

		Management, Ahmedabad.
	12	Advance Machine Design (AICTE Sponsored under QIP) VJTI Mumbai.
	13	A Winter School On Renewable Energy Sources with Emphasis on Wind and Solar Energy NITTTR Extension Centre, Ahmedabad.
	14	COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR) , Gujarat Student Startup and Innovation Hub (i - Hub).
	15	Solar Thermal Technologies For Future Of India, GEC, Patan.
18	Seminar:	
	1	Art of Abstract Writing and Poster Designing, Indian Institute of Technology, Gandhinagar,
19	Membership:	

Faculty Profile:

1	**Name:**	**Dr. Narendrakumar Amrutlal Patel**
2	Post:	Assistant Professor
3	Date of Birth :	**10/05/1981**
4	Email:	napatel12560@outlook.com
5	Webpage:	
6	Educational Qualification:	**Ph.D.(Mechanical Engineering)**
7	Work Experience:	Teaching: 19.5 Years
		Research: 00
		Industry: 01 Year
		Others :

	S.No.	Institute	Period	Experience
	1	U. V. Patel College of Engineering, Ganpat Vidyanagar	04/01/04 – 08/05/11	7.5 Years
	2	Government Engineering College, Palanpur	09/05/11 – 31/10/23	11.5 Years
	3	Government Engineering College, Patan	01/11/22 – Till Date	0.5 Years
	4			
	5			

8	Area of Specializations:	● Adaptive Control ● CAD/CAM ● Production
9	Subjects teaching at Under Graduate Level:	Computer Aided Design, Computer Aided Manufacturing, Project Management, Rapid Prototyping, Automation in Manufacturing, Manufacturing Technology, Material Science
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : 04
		Ph.D.: 00
12	No. of Research papers published:	National Journals : 00
		International Journals : 10
		Conferences : 05

	Published in International Journal	
	1	Open Source CMS Selection-A Mystery
	2	A Review on Transient Thermal Analysis for Top Head Nozzle of Crack Gas Drier by Finite Element Method
	3	EFFECT OF DRILLING PARAMETERS ON DIFFERENT FIBRE REINFORCED POLYMER MATERIALS WITH DIFFERENT THICKNESS: A COMPREHENSIVE REVIEW
	4	AN EXPERIMENTAL INVESTIGATION ON THE PERFORMANCE OF CUTTING TOOL UNDER VIBRATION BEHAVIOR WITH VARIABLE SYSTEM PARAMETERS
	5	Implementation of Adaptive Control for Cutting Tool Vibration Minimization
	6	Cantilever Beam Analogy for the Performance Assessment of Cutting Tools
	7	PERFORMANCE ASSESSMENT OF CUTTING TOOLS–A REVIEW
	8	A Review on development of adaptive control system for tool vibration minimization and feed optimization for turning center.
	9	An Optimization of Cutting Parameters in Hot Turning Machining Process-A Review
	10	APPLICATION AND IMPLEMENTATION OF RFID TECHNIQUES IN MANUFACTURING INDUSTRIES

	Published in National Journal	
	1	
	2	
	3	

12	Projects Carried out:	-----
13	Nos. of consultancy project:	02
14	Patents:	-----
15	Technology Transfer	-----
16	No. of Books published with details:	02

	Title	Publisher	Year
1	Computer Integrated Manufacturing	Books India	2014
2	Computer Aided Manufacturing	Books India	2017

17	Training:	
	1	Induction Training Phase - I

	2	Induction Training Phase - II
	3	Developing PEO's, PO's and CO's for degree and diploma Programme in Mechanical and alied branches
	4	Quality Improvement Programme (Karmayogi)
	5	Latest development in CAD/CAM and PLM Technology
	6	CATIA for Mechanical and allied engineering
	7	CATIA for Mechanical engineering
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	11	
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18	Seminar:	
	1	
	2	
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	7	
	8	
19	Membership:	

Faculty Profile:

1	**Name:**	**Patel ChiragkumarChandubhai**
2	Post:	Assistant Professor
3	Date of Birth :	**15/09/1981**
4	Email:	Ccpatel09@gmail.com
5	Webpage:	http://sspgec.blogspot.com/
6	Educational Qualification:	**M.E.(Mechanical Engineering)**
7	Work Experience:	Teaching: 15.6 Years
		Research: 00

		Industry: 00		
		Others :		
	S.No.	Institute	Period	Experience
	1	RMS Polytechnic, Vadodara	25/11/05 – 06/08/08	2.8 Years
	2	Government Engineering College, Patan	07/08/08 – 13/04/11 (Ad-hoc)	2.4 Years
	3	Government Engineering College, Patan	13/04/11-onwards	10 Years
	4			
	5			
8	Area of Specializations:	● Thermal Engineering		
9	Subjects teaching at Under Graduate Level:	Machine Drsign, Automobile Engineering, Dynamics of Machinery		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : 00		
		Ph.D.: 00		
12	No. of Research papers published:	National Journals : 00		
		International Journals : 00		
		Conferences : 00		
	Published in International Journal			

	Published in National Journal	
	5	
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1	Induction Phase-I (A view Based)		
	2	Design of Experiments		
	3	CAD using NX		
	4	Digital Manufacturing using RobCAD		
	5	Recent Trends in Manufacturing Automation & Control		
	6	LaTex For academic Writing		
	7	NBA Accreditation		
	8	National Accreditation Teaching Learning Education		
	9	Comprehensive Online Intellectual Property Rights (IPR)		
	10	Online UDAYAM E-Content development		
18	Seminar:			
	1	Energy Conservation Awareness		

	2	NBA Accreditation
19	Membership:	Indian Society for Technical Education (ISTE)

Faculty Profile:

1	**Name:**	Patel Miteshkumar Govindbhai		
2	Post:	Asst. Professor		
3	Date of Birth :	17-11-1985		
4	Email:	mech.mitesh@gmail.com		
5	Webpage:			
6	Educational Qualification:	ME (Mechanical)		
7	Work Experience:	Teaching: 13 years and 7 months		
		Research: 0		
		Industry: 0		
		Others : 0		
	S.No.	Institute	Period	Experience
	1	S.S.P.C. Visnagar	13-09-2007 to 20-09-2010	3 Years
	2	N.I.D.S. Ahmedabad	21-09-2010 to 03-05-211	7 Months
	3	G.E.C. Patan	04-05-2011 to till date	10 Years
	4			
	5			
8	Area of Specializations:	Production		
9	Subjects teaching at Under Graduate Level:	Operations Research, MMM, MP, FMHM		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals : 0		
		International Journals : 0		
		Conferences : 0		
	Published in International Journal			
	1			
	2			
	3			
	4			

	Published in National Journal

	5	
	6	
	7	

12	Projects Carried out:		-----	
13	Nos. of consultancy project:		-----	
14	Patents:		-----	
15	Technology Transfer		-----	
16	No. of Books published with details:		-------	
	Title		Publisher	Year
17	Training:			
	1	Recent trends in automobile engineering.		
	2	Induction phase-1		
	3	Advanced engineering optimization through intelligent techniques		
	4	Fundamentals and special topics in heat transfer		
	5	Induction Phase-2		
	6	Advance manufacturing Processes		
	7	CAD using NX		
	8	Additive Manufacturing - Theory & Applications		
	9	Academic and research paper writing		
	10	Comprehensive online Intellectual Property Rights (IPR)		
	11	Udayam		
	12	Advanced Research Methodology & Analytics (ARMA)		
18	Seminar:			
	1			
	2			
19	Membership:			

Faculty Profile:

1	**Name:**	**Sachin Popatlal Patel**		
2	Post:	Assistant Professor		
3	Date of Birth :	**29-03-1984**		
4	Email:	patel_sachin_84@yahoo.co.in		
5	Webpage:	------ NA -------		
6	Educational Qualification:	**M.E. (Mechanical Machine Design)**		
7	Work Experience:	Teaching: 15 Years, 7 Months		
		Research: 0		
		Industry: 0		
		Others : 0		
	S.No.	Institute	Period	Experience
	1	Governement Engineering College, Patan	21-04-2011 to Continue	10 Years
	2	Sankalchand Patel College of Engineering, Visnagar	21-08-2009 to 20-04-2011	1 Year, 8 Months
	3	Laljibhai Chaturbhai Institute of Technology, Bhandu	13-07-2006 to 20-08-2009	3 Years, 1 Month
	4	Laljibhai Chaturbhai Institute of Technology, Bhandu	25-07-2005 to 25-05-2006	0 Year, 10 Months
8	Area of Specializations:	**Machine Design**		
9	Subjects teaching at Under Graduate Level:	**Engineering Graphics, Machine Design**		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals : 0		
		International Journals : 6		
		Conferences : 2		
	Published in International Journal			
	1	Expert Systems with Applications, Elsevier		
	2	Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multibody Dynamics, SAGE		
	3	International Journal of Engineering Research and Applications		
	4	Technix International Journal for Engineering Research		

	Published in National Journal	
	5	---

	6	---
	7	---

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1	Vibration Mitigation Systems Analysis and Design, 27-05-2019 to 31-05-2019, IIT Roorkee		
		Advanced Computer Aided Manufacturing Techniques, 22-05-2017 to 02-06-2017, GEC Patan		
	2	Latex for Academic Writing, 20-03-2017 to 24-03-2017, GEC Patan		
	3	Advanced Engineering Optimization Through Intelligent Techniques, 06-02-2017 to 10-02-2017, SVNIT Surat		
		Digital Manufacturing using RobCAD, 17-10-2016 to 21-10-2016, GEC Patan		
	4	CAD using NX, 25-04-2016 to 30-04-2016, GEC Patan		
	5	CAD, Advance Simulation and Manufacturing Using NX Software, 25-05-2015 to 06-06-2015, LDCE Ahmedabad		
	6	Research Methodology, 18-11-2014 to 22-11-2014, IIT Gandhinagar		
	7	Induction Training Programme Phase-I, 26-05-2014 to 06-06-2014, NITTTR Extension Centre, Ahmedabad		
	8	Computing Techniques for Solving Engineering Problems, 23-12-2013 to 27-12-2013, IIT Bombay		
	9	Recent Trends in CAE 2008, 30-06-2008 to 04-07-2008, SVNIT Surat		
	10	Advances in CAM 2008, 23-06-2008 to 27-06-2008, SVNIT Surat		
	11	A short course on induction training, 19-11-2007 to 23-11-2007, CEPT University, Ahmedabad		
18	Seminar:			
	1	---		
	2	---		
19	Membership:	ISTE life time membership		

Faculty Profile:

1	**Name:**		**Patel KaushikkumarVishnubhai**	
2	Post:		Asst. Professor	
3	Date of Birth :		**18/05/1978**	
4	Email:		kvpatel@live.in	
5	Webpage:		https://sites.google.com/view/kvpatel http://www.gecpt.cteguj.in/index.php/facultydetail/show/13229	
6	Educational Qualification:		**Ph.D (Machine Design)**	
7	Work Experience:		Teaching: 14 year	
			Research:	
			Industry: 02 yeat	
			Others :	
	S.No.	Institute	Period	Experience
	1	B S Patel Polytechnic ,Kherva	Dec -2005 to April-2011	5-year 4 month
	2	GEC Palanpur	May-2011 to Dec 2018	7-year 7 month
	3	GEC Patan	6th Dec 2018 to till date	
8	Area of Specializations:		**Machine Design**	
9	Subjects teaching at Under Graduate Level:		Machine Design and Industrial Drafting, Dynamics of Machinery and Elements of Mechanical Engineering, FMD, KTOM	
10	Post Graduate Level:		------	
11	Research guidance:		Master's Degree : -----	
			Ph.D.: -----	
12	No. of Research papers published:		National Journals :05	
			International Journals :04	
			Conferences :	
	Published in International Journal			
	1	"Design and dynamic balancing of multi-loop spatial mechanism-A Review" By Kaushik Patel*, Dr Pina M. Bhatt**,International Journal for Research in Engineering Application & Management (IJREAM), ISSN : 2454-9150 Vol-04, Issue-10, Jan 2019		
	2	"Analysis of Spatial Mechanism in dynamic equilibrium condition using		

		MatLab" By K.V. Patel & Dr. Anurag Verma at International Journal of Engineering Science and Technology (IJEST) ISSN: 0975-5462
	3	"Analysis of Planner Kinematics Chain By Moment Matrix Method" By K.V. Patel &S .J. Patel at International Journal of Design Engineering, Inderscience Publication, Switzerland
	4	"Analysis of Planner Kinematics Chain By Moment Matrix Method" By K.V. Patel &S .J. Patel at International Conference on "Advance In Mechanical Engineering" on 15-17 Dec,2008 at SVNIT, Surat, Gujarat
	5	"Optimization Of Four Bar Linkages In Variable Input Speed With Kinematic And Dynamic Synthesis Using MatLab" By K.V. Patel &S .J. Patel at International Conference on "Advance In Mechanical Engineering" on 15-17 Dec,2008 at SVNIT, Surat, Gujarat.

	Published in National Journal	
	6	" Evolution of Efficiency of Flat panel used in coal mining industry- A Case study " B. P. Patel & K. V. Patel on 3-5 August -2009 At SVNIT, Surat, Gujarat.
	7	"Moment matrix method for selection of planar kinematics chains." By S. J. Patel & K.V. Patel at National Conference on Mechanical Engineering Department -Emerging trends in Mechanical Engineering, Vallabh Vidhyanagar, Gujarat on 28-29 March 2008. '
	8	"Kinematics synthesis & optimizations of four bar linkages Using Mat lab in variable input speed." By K.V. Patel & S. J. Patel at National Conference on Mechanical Engineering Department -Emerging trends in mechanical engineering, Vallabh Vidhyanagar, Gujarat on 28-29 March 2008.
	9	"A Novel Approach For Selection of Production Plant layout in Manufacturing Environment using MADM method: Strategy case Study" By K. V. Patel, S J. Patel & B. D. Prajapati at National Conference on "Advancement and Futuristic Trend In Mechanical Engineering" on 20th Nov-2008 at Rajkot.
	10	"A Novel Approach For Selection of Material In Manufacturing Environment using MADM method: Strategy case Study " By K. V. Patelat 3rd National Conference on Recent Development In Mechanical Engineering" on 14-15 Nov-2008 at Thapar University, Patiala.

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	01 (Patent No : 202021052066A Dated: 01/01/2021)		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
1	"Workshop technology" author K. V. Patel practice manual for first year degree and diploma student as per GTU syllabus in Atul Prakasan		ATUL PRAKASAN	2013
2	"Elements of mechanical engineering" author K. V. Patel for first year degree student as per GTU syllabus in Atul Prakasan, ISBN 818973602-7		ATUL PRAKASAN	2015-16
3	"Manufacturing process-I " author K. V. Patel for		ATUL	2016-17

	second year degree student as per GTU syllabus in Atul Prakasan	PRAKASAN	
4	"Product design and value engineering " author K. V. Patel for the final year degree student as per GTU syllabus in Atul Prakasan. ISBN 978-93-85173-25-7	ATUL PRAKASAN	2018
5	"Operation research " author K. V. Patel for the final year degree student as per GTU syllabus in Atul Prakasan.	ATUL PRAKASAN	2018-19
6	"Manufacturing processes" sub code:3141908, author prof. K. V. Patel for the 4th semester BE Mechanical student as per new revised GTU syllabus. ISBN 978-93-85138-48-5	ATUL PRAKASAN	2020
7	"Manufacturing technology " sub code:3151908, author prof. K. V. Patel for the 5th semester BE Mechanical student as per new revised GTU syllabus. ISBN 978-93-85138-34-5	ATUL PRAKASAN	2020-21
8	"Operation research " author K. V. Patel for the 5th Sem degree student as per GTU syllabus in Atul Prakasan. ISBN 978-93-85173-07-3	ATUL PRAKASAN	2020-21

17	Training:	
	1	INDUCTION TRAINING PHASE –I at NITTTR, Ext. Center, Ahmedabad on 15- 26 April 2013 (2 Week)
	2	INDUCTION TRAINING PHASE –II at NITTTR, Ext. Center, GUJARAT on 2-13 December 2013 (2 Week)
	3	KARMYOGI RESIDENTIAL TRAINING, Organized By CTE Gandhinagar on 17-19 January 2014
	4	VAHIVATI TALIM at SPIPA, Gandhinagar on 09-13 June 2014
	5	ACADEMIC AND RESEARCH PAPER WRITING, at NITTTR, Ext. Center, Ahmedabad on 23-27 February 2015
	6	DEVELOPMENT OF LAB MANUAL AND PROJECT WORK FOR MECHANICAL ENGINEERING AND ALLIED PROGRAMS, at NITTTR, Ext. Center, Ahmedabad on 15-19 June 2015
	7	3D ANIMATION at NITTTR, BHOPAL 27 June to 8 July, 2016 (2 weeks)
	8	PORTFOLIO ASSESSMENTS, at NITTTR, Ext. Center, Ahmedabad 2-6 January 2017
	9	RESOURCE MANAGEMENT FOR MANUFACTURING SECTOR at NITTTR, Bhopal 3-14 July, 2017 (2 Week)
	10	COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR)" Online mode, 06/07/2020 to 14/09/2020 (2 Week FDP)
	11	E-Content Development Course, Online Mode, 28/07/2020 to 18/08/2020
18	Seminar:	
	1	
	2	
19	Membership:	

Faculty Profile:

1	**Name:**	**Prof. D.J.Parmar**		
2	Post:	Assistant Professor		
3	Date of Birth :	**22/06/1982**		
4	Email:	kamleshpansal@gmail.com		
5	Webpage:			
6	Educational Qualification:	**M.E. (MECH.)**		
7	Work Experience:	Teaching: 14		
		Research:		
		Industry:		
		Others : 1.5 years Administrative Experience at GUJCOST.		
	S.No.	Institute	Period	Experience
	1	GEC, Patan	28-7-2015 to till date	5 years 9 Months
	2	GEC, Gandhinagar	21-04-2011 to 30-6-2015	4 years 2 Months
	3	C.U.Shah Polytechnic , Surendranagar	5-4-2010 to 20-4-2011	1 year
	4	L.D.R.P. Institute of Technology and Research	24-07-2006 To 31-3-2010	3 Years 8 Months
	5			
8	Area of Specializations:	**Cryogenic Engineering**		
9	Subjects teaching at Under Graduate Level:	**Applied Thermodynamics, Fluid Power and Hydraulic Machines, Refrigeration and Air Conditioning, Power Plant Engineering, Fluid Power Engineering, Engineering Thermodynamics**		
10	Post Graduate Level:	------ NIL		
11	Research guidance:	Master's Degree : -----NIL		
		Ph.D.: -----NIL		
12	No. of Research papers published:	National Journals :		
		International Journals : 01		
		Conferences :		
	Published in International Journal			
	1	**"Use of solar photovoltaic with active solar still to improve distillate output: A review"Groundwater for Sustainable Development** Volume 10, April 2020, 100341		
	2			
	3			
	4			

	Published in National Journal	
	5	
	6	
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12	Projects Carried out:	-----NIL		
13	Nos. of consultancy project:	-----NIL		
14	Patents:	-----NIL		
15	Technology Transfer	-----NIL		
16	No. of Books published with details:	NIL		
	Title		Publisher	Year
17	Training:			
	1	Welding Practices for Engineers, 2016-11-28 TO 2016-12-02,GEC,Gandhinagar		
	2	Industrial Based NDT Training & Practices 2019-07-08 TO 2019-07-12, GEC, Gandhinagar		
	3	CAD using NX, 2016-04-25 TO 2016-04-30, GEC, Patan		
	4	RobCAD, 2016-10-17 TO 2016-10-21, GEC, Patan		
	5	Faculty Development for Teacher for Technical Courses, 2019-09-23 TO 2019-09-29, IITE, Gandhinagar		
	6	Two Wheeler Technology, 2017-12-26 TO 2018-01-05, LD College of Engineering		
	7	Induction Phase I, 2012-07-02 TO 2012-07-13,NITTTR, Ext.Centre. RCTI, Ahmedabad		
	8	Induction Phase II, 2014-06-09 TO 2014-06-20, NITTTR Ext.Centre. RCTI, Ahmedabad		
	9	Accreditation and Academic Audit, 2013-04-08 TO 2013-04-12,NITTTR, Ext.Centre. RCTI, Ahmedabad		
	10	Stress Management, 2016-05-02 TO 2016-05-06,NITTTR,Ext.Centre. RCTI, Ahmedabad		
	11	Simulation Using CATIA Software,		

		2018-05-14 TO 2018-05-18, NITTTR,Bhopal
	12	Optimization: Theory and Engineering Practice, 2015-12-07 TO 2015-12-19, VGEC, Chandkheda
	13	Introduction to Research,24-02-2020 to 17-04-2020, NPTEL online (MOOC)
	14	Futuristic Innovations on Solar Energy Technologies,8-2-2021 to 12-2-2021, GEC,Patan online
18	Seminar:	
	1	
	2	
19	Membership:	NIL

Faculty Profile:

1	**Name:**	**Kamlesh Hasmukhlal Thakkar**		
2	Post:	Asst. Professor		
3	Date of Birth :	**01/06/1980**		
4	Email:	Khthakkar.gec@gmail.com		
5	Webpage:			
6	Educational Qualification:	**M. E. (CAD/CAM)**		
7	Work Experience:	Teaching: 16 year		
		Research:		
		Industry: 1.5 year		
		Others :		
	S.No.	Institute	Period	Experience
	1	Swami Sachchidanand polytechnic college,Visnagar	13/6/2005 to 9/9/2011	6-year 2 month
	2	Sankalchand Patel College of Engineering, Visnagar	10/9/2011 to 20/5/2016	5-year 7 month
	3	Government Engineering College Patan	10/6/2016 to till date	4-year 11 month
8	Area of	**CAD/CAM**		

	Specializations:	
9	Subjects teaching at Under Graduate Level:	Refrigeration & Air Conditioning , Industrial Engineering, ,Heat Transfer,Fluid Mechanics and Hydraulic Machines,Engineering Graphics , Elements of Mechanical Engineering,
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals :00
		International Journals :02
		Conferences :03
	Published in International Journal	
	1	"Performance Evaluation of Strain Gauge Based Load Cell to Improve Weighing Accuracy" International Journal of Latest Trends in Engineering and Technology (IJLTET) Vol. 2 Issue 1 January 2013 ISSN: 2278-621X
	2	"Experimental and CFD Analysis of Centrifugal Pump Impeller-A Case Study" International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 06, December- 2012 ISSN: 2278-0181

	Published in National Journal	
	1	"Design & Analysis of Strain Gauge Based Load cell to Optimise it's Performance" at Advances and Futurastic trends in Mechanical andMaterial Engineering YIT-Jaipur on 30/4/2010
	2	"Finite Element Analysis of Single Point Beam Type Load cell to Optimise it's Measuring Range" at Recent advances in Manufacturing-Ram-2010 at SVNIT on 20/7/2012
	3	"A review on CFD application used for Centrifugal Pump" National conference on Innovative & Emerging Technologies, SRP Engg.College,Dabhi on 24/1/2013

12	Projects Carried out:	--
13	Nos. of consultancy project:	--
14	Patents:	--
15	Technology Transfer	--
16	No. of Books published with details:	--
17	Training:	
	1	"Digital Manufacturing Using Rob CAD" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 17/10/2016 TO 21/10/2016 (One Week)
	2	"Recent Trends in Automation & Control" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 24/10/2016 TO 28/10/2016 (One Week)
	3	"Computer Aided Engineering Using NX" Organized by Government

		Engineering College,Patan Sponsored by TEQIP-I during 07/11/2016 TO 19/11/2016 (Two Week)
	4	"Latex for Academic Writing" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 20/3/2017 TO 24/03/2017 (One Week)
	5	"International Faculty Development Programme " Organized by Government Engineering College,Patan Sponsored by TEQIP-I during11,14/03/17 & 17/03/2017,27/03/17
	6	"Advanced Computer Aided Manufacturing Techniques" Organized by Government Engineering College,Patan Sponsored by CTE during22/05/2017 TO 02/06/2017 (Two Week)
	7	"Induction Phase-I" Organized by NITTTR Bhopal Extension Center,Ahmedabad Sponsored by NITTTR 21/08/2017 TO 01/09/2017 (Two Week)
	8	"Induction Phase-II" Organized by NITTTR Bhopal Extension Center,Ahmedabad Sponsored by NITTTR 08/07/2019 TO 19/07/2019 (Two Week)
	9	"ICT in Teaching and Learning" Organized on MOOC 27-01-2020 TO 28-02-2021(One week)
	10	"UDAYAM E-Content Development Course"Organized by Knowledge Consortium of Gujarat (KCG) Online Mode 28/7/2020 to 18/08/2020 (One week)
		"Comprehensive Online Intellectual Property Rights (IPR)" Organized by Gujarat Student Startup and Innovation Hub (i-Hub) Online mode 06/7/2020 to 14/9/2020 (Two week)
	11	"Advanced Research Methodology & Analytics (ARMA-2021)" Organized by Government Engineering College,Patan Sponsored by GUJCOST during (22nd -26th March, 2021) (One week)
18	Seminar:	
	1	--
	2	--
19	Membership:	--

Faculty Profile:

1	**Name:**	**Dr. Hiren Prajapati**
2	Post:	Assistant professor
3	Date of Birth :	**23-05-1983**
4	Email:	kppatelgec@gmail.com
5	Webpage:	
6	Educational Qualification:	**M.E**
7	Work Experience:	Teaching: 10 years
		Research:
		Industry:
		Others :

	S.No.	Institute	Period	Experience
	1	Department of technical education(Polytechnic)	09-04-2010	13-06-2016
	2			
	3			
	4			
	5			

8	Area of Specializations:	**Internal combustion engineering&Automobile engineering**
9	Subjects teaching at Under Graduate Level:	**Automobile engineering,Heattransfer.Thermodynamic,Engineering graphics**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals :
		International Journals : 01
		Conferences :

	Published in International Journal	
	1	Panchal, Hitesh, Kalpesh Patel, MedhatElkelawy, and Hagar Alm-EldinBastawissi. "A use of various phase change materials on the performance of solar still: a review." *International Journal of Ambient Energy* (2019): 1-6.

	Published in National Journal	
	5	
	6	
	7	

12	Projects Carried out:	-----
13	Nos. of consultancy project:	-----
14	Patents:	-----
15	Technology Transfer	-----
16	No. of Books published with details:	

	Title	Publisher	Year

17	Training:	
	1	Induction training phase 1
	2	Induction training phase 2
		"Developing entrepreneur skill"organized by nitttr Ext center,during 04/07/16 to 08/07/16
	3	"Digital Manufacturing Using Rob CAD" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 17/10/2016 TO 21/10/2016 (One Week)
	4	"Recent Trends in Automation & Control" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 24/10/2016 TO 28/10/2016 (One Week)

	5	“Computer Aided Engineering Using NX” Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 07/11/2016 TO 19/11/2016 (Two Week)
	6	“Latex for Academic Writing” Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 20/3/2017 TO 24/03/2017 (One Week)
	7	“Renewable energy technologies and environment protection” Organized byIIT ram, during 21/5/2018 TO 25/05/2018 (One Week)
	8	“Research prespective in IC Engine”organized by GecAmravati,during 03-12-18 to 08-12-18(One week)
		“computational method for mechanical engineer using matlab”organized by LDCE during 11-03-19 to 15-03-19
	9	“UDAYAM E-Content Development Course”Organized by Knowledge Consortium of Gujarat (KCG) Online Mode 28/7/2020 to 18/08/2020 (One week)
	10	“Comprehensive Online Intellectual Property Rights (IPR)” Organized by Gujarat Student Startup and Innovation Hub (i-Hub) Online mode 06/7/2020 to 14/9/2020 (Two week)
	11	“Processing and characterization of material”Organized by GEC,Gandhinagar04-11-2019 to 08/11/2019 (one week)
	12	“Introduction to research”swayam training approved by DTE(Two week)
18	Seminar:	
	1	
	2	
19	Membership:	ISTE

Faculty Profile:

1	Name:	Girishkumar Shankarlal Patel
2	Post:	Assistant Professor
3	Date of Birth :	09/01/1981
4	Email:	gsjagania@gmail.com
5	Webpage:	-
6	Educational Qualification:	M. E. (Mech. Engg.)
7	Work Experience:	Teaching: 15 years
		Research Nil
		Industry: 1.5 years
		Others : Nil

Sr. No.	Institute	Period	Experience
1	ARIHANT PUMPS PRIVATE LIMITED, Deesa Highway, Palanpur	5th August 2002 to 4th February 2003	6 Months
2	SANDVIK ASIA LIMITED, Rajpur, Ta. - Kadi, Dist. - Mehsana	4th April 2003 to 3rd April 2004	1 Year
3	K. D. POLYTECHNIC/GOVT. ENGG. COLLEGE, Patan	30th April 2004 to 06th November 2004	7 Months
4	L. C. Institute of Technology, Bhandu	01st January 2005 to 31st December 2005.	1 Year
5	L. C. Institute of Technology, Bhandu	02nd January 2006 to 30th July 2008.	3 Year 7 Months
6	L. C. Institute of Technology, Bhandu	01st July 2009 to 30th June 2010.	1 Year
7	Smt. S. R. Patel Engineering College, Dabhi	01st July 2010 to 12th May 2012	1 Year 10 Months
8	Gujarat Power Engineering & Research Institute, Mehsana	14th May 2012 to 30th June 2016	4 Years
9	Government Engineering College, Patan	01/07/2016 to till date	4-year 11 month

8	Area of Specializations:	**Prod. Engg.**
9	Subjects teaching at Under Graduate Level:	Manufacturing Processes I & II, Engineering Thermodynamics, Elements of Mechanical Engineering, Fluid Power Engineering, Production Technology, Industrial Engineering
10	Post Graduate Level:	Nil
11	Research guidance:	Master's Degree : Nil
		Ph.D.: Nil
12	No. of Research papers published:	National Journals : Nil
		International Journals : Nil
		Conferences : Nil

13	Projects Carried out:		--
14	Nos. of consultancy project:		--
15	Patents:		--
16	Technology Transfer		--
17	No. of Books published with details:		--
18	Training:		
	1	"Digital Manufacturing Using Rob CAD" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 17/10/2016 TO 21/10/2016 (One Week)	
	2	"Recent Trends in Automation & Control" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 24/10/2016 TO 28/10/2016 (One Week)	
	3	"Emerging Trends in Major Thrust Areas of Mechanical Engineering" organized by Directorate of Technical Education, Gandhinagar during 26/02/2018 to 09/03/2018. (One Week)	
	4	"Latex for Academic Writing" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 20/3/2017 TO 24/03/2017 (One Week)	
	5	"International Faculty Development Programme " Organized by Government Engineering College,Patan Sponsored by TEQIP-I during11,14/03/17 & 17/03/2017,27/03/17	
	6	"Advanced Computer Aided Manufacturing Techniques" Organized by Government Engineering College,Patan Sponsored by CTE during22/05/2017 TO 02/06/2017 (Two Week)	
	7	"Induction Phase-I" Organized by NITTTR Bhopal Extension Center, Ahmedabad Sponsored by NITTTR 22/07/2019 TO 02/08/2019 (Two Week)	
	8	"Induction Phase-II" Organized by NITTTR Bhopal Extension Center, Ahmedabad Sponsored by NITTTR 30/11/2020 TO 11/12/2020 (Two Week) (Online Mode)	
	9	"ICT in Teaching and Learning" Organized on MOOC 27-01-2020 TO 28-02-2021(One week)	
	10	"UDAYAM E-Content Development Course"Organized by Knowledge Consortium of Gujarat (KCG) Online Mode 28/7/2020 to 18/08/2020 (One week)	
	11	"Comprehensive Online Intellectual Property Rights (IPR)" Organized by Gujarat Student Startup and Innovation Hub (i-Hub) Online mode 06/7/2020 to 14/9/2020 (Two week)	
	12	"Advanced Research Methodology & Analytics (ARMA-2021)" Organized by Government Engineering College,Patan Sponsored by GUJCOST during (22nd -26th March, 2021) (One week)	
19	Seminar:		
	1	Nil	
20	Membership:		ISTE Lifetime Membership (LM48148)

Faculty Profile:

1	**Name:**		**Prof. Bhargav B. Patel**	
2	Post:		Assistant Professor	
3	Date of Birth :		**10th June 1986**	
4	Email:		bbpgec@gmail.com	
5	Webpage:			
6	Educational Qualification:		**M.E. Mechanical**	
7	Work Experience:		Teaching: 12 Years 8 months	
			Research:	
			Industry:	
			Others :	
	S.No.	Institute	Period	Experience
	1	Sankalchand Patel college of Engineering, Visnagar	10/08/2007 to 20/05/2016	
	2	Government Engineering College, Patan	10/06/2016 to till date	
	3			
	4			
	5			
8	Area of Specializations:		**CAD/CAM**	
9	Subjects teaching at Under Graduate Level:		**CAD, CAM, DOM, MP**	
10	Post Graduate Level:		------	
11	Research guidance:		Master's Degree : ----- 03	
			Ph.D.: -----	
12	No. of Research papers published:		National Journals : 01	
			International Journals : 07	
			Conferences : 01	
	Published in International Journal			
	1	B. B. Patel, G. D. Mistry, "Investigation for effective methodology for teaching CAD software" International journal of computer applications in engineering technology and sciences, April – September 2012 Vol. 4 issue		
	2	B. B. Patel, K. B. Rathod, "Multi parameter analysis and modeling of SR in EDM of AISI D2 steel" International journal of scientific & engineering research, March 2012 Vol. 3 issue 3		
	3	B. B. Patel, K. B. Rathod, Multi parameter analysis and modeling of AISI D2 steel in Electro discharge machining.		
	4	B. B. Patel, " Application of response surface methodology for determining MRR and TWR model in die sinking EDM of AISI 1045 steel", International journal of engineering research and applications, Vol.2 issue 6 Nov- Dec 2012.		
	5	B. B. Patel, "Multi objective optimization of die sinking electro discharge machining process using taguchi, "International journal of engineering research and applications, Vol.2 issue 6 Nov- Dec 2012.		

	6	B. B. Patel, P.R. Patel, V. A. Patel, "Effect of machining parameters on surface roughness for 6063 al-tic (5 & 10 %) metal matrix composite using RSM" International journal of engineering research and Technology, Vol. 2 issue 1 Jan 2013.
	7	V A Patel, B B Patel, Dr. K M Patel "investigation of mechanical properties of aluminum based particle reinforced hybrid composite manufactured by stir casting" *BIOINFO Mechanical Engineering, Volume 3, Issue 1, 2014, pp.-024-028.*

	Published in National Journal	
	8	B. B. Patel, K. B. Rathod, "Optimization of process parameters for SS 304 using taguchi method for fuzzy control based EDM" Journal of information knowledge and research in mechanical engineering, Nov-2011 Vol. 2 issue 1
	9	B. B. Patel, V. M. Prajapati, "Review on the conventional EDM of silicon carbide material" National conference on technology and management 2012, SPCE Visnagar.

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1	Computer Aided Engineering Using NX		
	2	Recent Trends in Automation & Control		
	3	Digital Manufacturing Using Rob CAD		
	4	i-FDP -International Faculty Development Program		
	5	Latex for Academic writing		
	6	Advance Computer Aided Manufacturing Techniques		
	7	Induction Training Programme Phase -I		
	8	Induction Training Programme Phase -II		
	9	Comprehensive Online Intellectual Property Rights (IPR)		
	10	UDAYAM E-Content Development Course		
18	Seminar:			
	1			
	2			
19	Membership:	03		
		Member of IACSIT		
		Member of International Association of Engineers (IAENG)		
		Reviewer of International Journal of Research in Engineering & Technology (IJRET)		

Faculty Profile:

1	**Name:**	**Vipulkumar Kashiram Patel**		
2	Post:	Asst. Professor		
3	Date of Birth :	**07/03/1987**		
4	Email:	vkpatel.gec@gmail.com		
5	Webpage:			
6	Educational Qualification:	**M. E. (CAD/CAM), PhD Pursuing..**		
7	Work Experience:	Teaching: 11 year		
		Research:		
		Industry:		
		Others :		
	S.No.	Institute	Period	Experience
	1	L.C.I.T,Bhandu	1/7/2010 to 31/08/2010	02 Month
	2	Sankalchand Patel College of Engineering, Visnagar	1/9/2010 to 22/6/2016	5-year 10month
	3	Government Engineering College Patan	23/6/2016 to till date	4-year 11 month
8	Area of Specializations:	**CAD/CAM**		
9	Subjects teaching at Under Graduate Level:	Graphics , Elements of Mechanical Engineering, Manufacturing Process-I&II, Manufacturing Technology, Design of Machine Element, Computer Aided Design, Computer Aided Manufacturing, Renewable Energy Engineering		
10	Post Graduate Level:	Computer Aided Manufacturing, Robotics, Engineering Optimization		
11	Research guidance:	Master's Degree : 03		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals :00		
		International Journals :04		
		Conferences :04		
	Published in International Journal			
	1	"Parametric Analysis of weld Characteristics for a single pass TIG Welding" IJSRD, ISSN-2321-0613.		
	2	"Design, Analysis and Optimization of Overhead Crane Girder" International Journal Advance Engineering and Research Development (IJAERD) Volume 12, Issue 6, June-2014, ISSN : 2348 – 6406		
	3	"A Review on Structural Analysis of Overhead Crane Girder Using FEA Technique" International Journal Engineering Science & Innovative Technology(IJESIT) Volume 2, Issue 4,July-2013, ISSN: 2319-5967		

	4	"Experimental Investigation of Machining Parameters of EN 36 Steel using Tungsten Carbide Cutting Tool during Hot Machining" International Journal of Engineering Research and Application (IJERA) Vol. 2, Issue 3, pp.1833-1838,June -2012, ISSN: 2248-9622

	Published in National Journal	
	1	"A review of process parameters of TIG welding for different material" NCAET-2012 at KIT&RC, Kalol
	2	"Performance analysis of CPC water heater" NCTM-2012 at SPCE, Visnagar
	3	"Optimization of ball mill speed" Sethu engineering college,Tamilnadhu-2010
	4	"Design and analysis of 3-ton capacity 0f ball mill" Sethu engineering college,Tamilnadhu-2010

12	Projects Carried out:	--
13	Nos. of consultancy project:	--
14	Patents:	--
15	Technology Transfer	--
16	No. of Books published with details:	--
17	Training:	
	1	"Digital Manufacturing Using Rob CAD" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 17/10/2016 TO 21/10/2016 (One Week)
	2	"Recent Trends in Automation & Control" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 24/10/2016 TO 28/10/2016 (One Week)
	3	"Computer Aided Engineering Using NX" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 07/11/2016 TO 19/11/2016 (Two Week)
	4	"Latex for Academic Writing" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 20/3/2017 TO 24/03/2017 (One Week)
	5	"International Faculty Development Programme " Organized by Government Engineering College,Patan Sponsored by TEQIP-I during11,14/03/17 & 17/03/2017,27/03/17
	6	"Advanced Computer Aided Manufacturing Techniques" Organized by Government Engineering College,Patan Sponsored by CTE during22/05/2017 TO 02/06/2017 (Two Week)
	7	"Induction Phase-I" Organized by NITTTR Bhopal Extension Center, Ahmedabad Sponsored by NITTTR 04/03/2019 TO 15/03/2019 (Two Week)
	8	"Induction Phase-II" Organized by NITTTR Bhopal Extension Center, Ahmedabad Sponsored by NITTTR 30/12/2019 TO 10/01/2020 (Two Week)
	9	"ICT in Teaching and Learning" Organized on MOOC 27-01-2020 TO 28-02-2021(One week)
	10	"UDAYAM E-Content Development Course" Organized by Knowledge Consortium of Gujarat (KCG) Online Mode 28/7/2020 to 18/08/2020 (One week)
		"Comprehensive Online Intellectual Property Rights (IPR)" Organized by Gujarat Student Startup and Innovation Hub (i-Hub) Online mode 06/7/2020 to 14/9/2020 (Two week)
	11	"Advanced Research Methodology & Analytics (ARMA-2021)" Organized by Government Engineering College, Patan Sponsored by GUJCOST during (22nd -26th March, 2021) (One week)
18	Seminar:	
	1	--
	2	--

19	Membership:	--

Faculty Profile:

1	**Name:**	**Narendrasinh Ramjibhai Makvana**		
2	Post:	Asst. Professor		
3	Date of Birth :	**26/11/1985**		
4	Email:	naren.makvana@yahoo.com		
5	Webpage:			
6	Educational Qualification:	**M. E. (I.C. Engine & Automobile)**		
7	Work Experience:	Teaching: 08 year		
		Research:		
		Industry: 1.5 year		
		Others :		
	S.No.	Institute	Period	Experience
	1	Ahmedabad Institute of Technology, Ahmedabad	30/7/2013 to 13/6/2016	2-year 11 month
	2	Government Engineering College Patan	20/6/2016 to till date	4-year 11 month
8	Area of Specializations:	**I.C. Engine & Automobile**		
9	Subjects teaching at Under Graduate Level:	Internal combustion Engine , Automobile Engineering, Material science and metallurgy, Mechanical measurement and metrology, Oil Hydraulics and Pneumatics, Elements of Mechanical Engineering.		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals :00		
		International Journals :03		
		Conferences :00		
	Published in International Journal			

	1	"Automotive Exhaust Technology after Treatment for the Reduction of Emission-A Review Study", International Journal of Engineering Research & Technology, ISSN: 2278-0181, Vol. 2, Issue 4, April-2013.
	2	"Development and Performance Analysis of Nickel based Catalytic Converter", International Journal of Advanced Engineering Technology, ISSN: 0976-3945, Vol. 4, Issue 2, April-June, 2013.
	3	"Recent Trends to Increase the Service Life of the Engine with the help of Improvement of Wear Resistance of Piston Ring-A Review Study", International Journal of Engineering Research & Technology, ISSN: 2278-0181, Vol. 2, Issue 4, April-2013.

	Published in National Journal

12	Projects Carried out:	--
13	Nos. of consultancy project:	--
14	Patents:	--
15	Technology Transfer	--
16	No. of Books published with details:	--
17	Training:	
	1	"Digital Manufacturing Using Rob CAD" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 17/10/2016 TO 21/10/2016 (One Week)
	2	"Recent Trends in Automation & Control" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 24/10/2016 TO 28/10/2016 (One Week)
	3	"Computer Aided Engineering Using NX" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 07/11/2016 TO 19/11/2016 (Two Week)
	4	"Latex for Academic Writing" Organized by Government Engineering College,Patan Sponsored by TEQIP-I during 20/3/2017 TO 24/03/2017 (One Week)
	5	"International Faculty Development Programme " Organized by Government Engineering College,Patan Sponsored by TEQIP-I during11,14/03/17 & 17/03/2017,27/03/17
	6	"Advanced Computer Aided Manufacturing Techniques" Organized by Government Engineering College,Patan Sponsored by CTE during22/05/2017 TO 02/06/2017 (Two Week)
	7	"Induction Phase-I" Organized by NITTTR Bhopal Extension Center,Ahmedabad Sponsored by NITTTR 22/10/2018 TO 02/11/2018 (Two Week)
	8	"Induction Phase-II" Organized by NITTTR Bhopal Extension Center,Ahmedabad Sponsored by NITTTR 18/11/2019 TO 29/11/2019 (Two Week)
	9	"ICT in Teaching and Learning" Organized on MOOC 27-01-2020 TO 28-02-2021(One week)
	10	"UDAYAM E-Content Development Course"Organized by Knowledge Consortium of Gujarat (KCG) Online Mode 28/7/2020 to 18/08/2020 (One week)
	11	"Comprehensive Online Intellectual Property Rights (IPR)" Organized by Gujarat Student Startup and Innovation Hub (i-Hub) Online mode 06/7/2020 to 14/9/2020 (Two week)
18	Seminar:	
	1	--
	2	--

19	Membership:	--

Faculty Profile:

1	**Name:**	**Rakeshkumar Amrutlal Oza**		
2	Post:	Asst. Professor		
3	Date of Birth :	**15/10/1985**		
4	Email:	raogec@gmail.com		
5	Webpage:			
6	Educational Qualification:	**M. E. (CAD/CAM)**		
7	Work Experience:	Teaching: 11 year		
		Research: -		
		Industry: -		
		Others : -		
	S.No.	Institute	Period	Experience
	1	Gujarat Power Engineering and Research Institute	15/08/2011 to 31/05/2016	4 year 9 month
	2	Government Engineering College Patan	10/6/2016 to till date	4-year 11 month
8	Area of Specializations:	CAD/CAM		
9	Subjects teaching at Under Graduate Level:	Machine Design, Theory of Machine, Design of Machine Element, Machine Design and Industrial Drafting, Engineering Graphics, Mechanical Measurement and Metrology		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals :00		
		International Journals :01		
		Conferences :01		
	Published in International Journal			
	1	"Analysis and Optimization of Drive Shaft in Eccentric Mechanical Press"		

		published in International Journal of Engineering Research and Applications (IJERA), ISSN: 2248-9622.
	2	"Investigation On Performance Analysis of Improved Solar Still", Published in International Conference on Mechanical & Industrial Engineering (ICAMIE - 2012) on 30th September, Chennai. ISBN No: 978-93-82208-19-8.

	Published in National Journal	

12	Projects Carried out:	--
13	Nos. of consultancy project:	--
14	Patents:	--
15	Technology Transfer	--
16	No. of Books published with details:	--
17	Training:	
	1	"Digital Manufacturing Using Rob CAD" Organized by Government Engineering College, Patan Sponsored by TEQIP-I during 17/10/2016 TO 21/10/2016 (One Week)
	2	"Recent Trends in Automation & Control" Organized by Government Engineering College, Patan Sponsored by TEQIP-I during 24/10/2016 TO 28/10/2016 (One Week)
	3	"Computer Aided Engineering Using NX" Organized by Government Engineering College, Patan Sponsored by TEQIP-I during 07/11/2016 TO 19/11/2016 (Two Week)
	4	"Latex for Academic Writing" Organized by Government Engineering College, Patan Sponsored by TEQIP-I during 20/3/2017 TO 24/03/2017 (One Week)
	5	"International Faculty Development Programme " Organized by Government Engineering College, Patan Sponsored by TEQIP-I during11,14/03/17 & 17/03/2017,27/03/17
	6	"Advanced Computer Aided Manufacturing Techniques" Organized by Government Engineering College, Patan Sponsored by CTE during22/05/2017 TO 02/06/2017 (Two Week)
	7	"Induction Phase-I" Organized by NITTTR Bhopal Extension Center, Ahmedabad Sponsored by NITTTR 27/02/2017 To 10/03/2017 (Two Week)
	8	"Induction Phase-II" Organized by NITTTR Bhopal Extension Center, Ahmedabad Sponsored by NITTTR 25/02/2019 TO 08/03/2019 (Two Week)

	9	"ICT in Teaching and Learning" Organized on MOOC 27-01-2020 TO 28-02-2021(One week)
	10	"UDAYAM E-Content Development Course"Organized by Knowledge Consortium of Gujarat (KCG) Online Mode 28/7/2020 to 18/08/2020 (One week)
	11	"Comprehensive Online Intellectual Property Rights (IPR)" Organized by Gujarat Student Startup and Innovation Hub (i-Hub) Online mode 06/7/2020 to 14/9/2020 (Two week)
	12	"Advanced Research Methodology & Analytics (ARMA-2021)" Organized by Government Engineering College,Patan Sponsored by GUJCOST during (22nd -26th March, 2021) (One week)
18	Seminar:	
	1	--
	2	--
19	Membership:	ISTE, Membership No.: – LM87332

Faculty Profile:

1	**Name:**	**Dr Hitesh Panchal**
2	Post:	Assistant professor
3	Date of Birth :	**21/04/1983**
4	Email:	Engineerhitesh2000@gmail.com
5	Webpage:	https://scholar.google.com/citations?user=8Afo2QIAAAAJ&hl=en
6	Educational Qualification:	**Ph.D. (Mechanical Engineering)**
7	Work Experience:	Teaching: 4.10 years
		Research: 00
		Industry: 00
		Others :

	S.No.	Institute	Period	Experience
	1	GEC patan	1-07-2016 to Continue,,	4.10 years
	2			
	3			

	4			
	5			

8	Area of Specializations:	**Ph.D. (Mechanical Engineering)**
9	Subjects teaching at Under Graduate Level:	**Mechanical Engineering subjects (Renewable Energy Engineering, Material science and Metallurgy, Automobile Engineering)**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : 5 (3 students are continue..)
		Ph.D.: 01 completed (04 ongoing)
12	No. of Research papers published:	National Journals : 00
		International Journals : 120
		Conferences : 20

	Published in International Journal	
	1	Hitesh Panchal & Kishor Kumar Sadasivuni (2020) Enhancement of the distillate yield of solar still by separate and inbuilt condensers: A mini-Review, International Journal of Ambient Energy, DOI: 10.1080/01430750.2020.1831595
	2	Hitesh Panchal (2020) Annual performance analysis of various energy storage materials in the upper basin of a double-basin solar still with vacuum tubes, International Journal of Ambient Energy, 41:4, 435-451, DOI: 10.1080/01430750.2018.1472653
	3	Hitesh Panchal & Hitesh Bhargav (2019) Mini-review of different co-generation systems: solar thermal perspective, International Journal of Ambient Energy, DOI: 10.1080/01430750.2019.1568912
	4	Hitesh Panchal, Romil Patel & Ravishankar Sathyamurthy (2021) Investigation and performance analysis of solar milk pasteurisation system, International Journal of Ambient Energy, 42:5, 522-529, DOI: 10.1080/01430750.2018.1557552

	Published in National Journal	
	5	NIL
	6	
	7	

12	Projects Carried out:	02 completed and 01 on going
13	Nos. of consultancy project:	-----
14	Patents:	Total 24 full patents and 05 Industrial designs have been published. 02 patents and 02 industrial design have granted.
15	Technology Transfer	-----
16	No. of Books published with details:	

	Title	Publisher	Year
	Conventional power Engineering	Mahajan publishers	2015
	Modeling and analysis of hemispherical solar still	Lambert	2015

	using CFD	academic publishers	
	Investigation on performance analysis of Double pass solar air heater	Lambert Academic Publishers	2019

17	Training:	
	1	Short Term program on Intellectual Property Rights during 07/07/2020 to 14/09/2020.
	2	Short Term Training Program on " Nurturing Innovation and startup ecosystem" during 08/09/2020 to 24/10/2020
	3	Short Term training program on "Futuristic Innovations on Solar Energy Technologies" during 8-12 Feb 2021
	4	
	5	
18	Seminar:	
	1	NIL
	2	
19	Membership:	Fellow Member of I2OR

Adhoc Faculty

Sr. No.	Name	Post	Appointment is approved by university
	Branch: Mechanical Engineering		
1	KADIYA CHIRAG PRAVINBHAI	Assist Professor	Appointment Order જીઈસી/એડ.વ્યા.મીકિનીકલ/૨૦૦૮/ધ-૧/૫૨૧૩૮

Faculty Profile:

1	**Name:**	KADIYA CHIRAG PRAVINBHAI
2	Post:	Assistant Professor
3	Date of Birth :	**13/10/1981**
4	Email:	cpkadiya@gmail.com
5	Webpage:	
6	Educational Qualification:	Bachelor of engineering in Mechanical
7	Work Experience:	Teaching: 12Years 7 months
		Research: ---
		Industry: --4years--
		Others .

S. No.	Institute	Period	Experience
1	Governement Engineering College, Patan	21-05-2011 to Continue	10 Years
2	Governement Engineering College, Godhara	17-04-2011 to 20-05-2011	0 Year, 1Months
3	VishwakarmaGovernement Engineering College, Chandkheda	03-10-2008 to 16-04-2011	2 Years, 6Month
4	KHS.pvt.ltd	01-06-2004 to 30-09-2008	4 Year, 3 Months

8	Area of Specializations:	-
9	Subjects teaching at Under Graduate Level:	**Basic Mechanical Engineering** **Engineering Graphics and Drawing**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals :
		International Journals :
		Conferences :

	Published in International Journal	
	1	
	2	
	3	
	4	

	Published in National Journal

	5	
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1			
	2			
	3			
	4			
	5			
18	Seminar:			
	1			
	2			
19	Membership:			

Contractual Faculty

Sr. No.	Name	Post	Qualification
	Branch: Mechanical Engineering		
1	RABARI KIRANKUMAR KANJIBAI	Assist Professor	Master of engineering in Mechanical(CAD/CAM) Appointment Order નં:સીટીઈ/૨૦૧૨/ઈજનેરી કોલેજ/કરારભરતી/૨૬૩૬૯ તારીખ:૦૩/૧૦/૨૦૧૨

Faculty Profile:

1	**Name:**	**Rabari Kirankumar Kanjibhai**
2	Post:	Assistant Professor
3	Date of Birth :	**01/10/1987**
4	Email:	rabarikiran15@gmail.com
5	Webpage:	
6	Educational Qualification:	Master of engineering in Mechanical(CAD/CAM)
7	Work Experience:	Teaching: 8 Years 6 months
		Research: ---
		Industry: ----
		Others .

	S.No.	Institute	Period	Experience
	1	Government Engineering college Patan	05/10/2012 to till date	8 Years 6 months
	2			
	3			
	4			
	5			

8	Area of Specializations:	Master of engineering in Mechanical(CAD/CAM)
9	Subjects teaching at Under Graduate Level:	**Basic Mechanical Engineering** **Engineering Graphics and Drawing**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals :
		International Journals :
		Conferences :

	Published in International Journal	
	1	
	2	
	3	
	4	

	Published in National Journal	
	5	
	6	
	7	

12	Projects Carried out:	-----
13	Nos. of consultancy project:	-----
14	Patents:	-----
15	Technology Transfer	-----
16	No. of Books published with details:	

	Title	Publisher	Year

17	Training:	
	1	
	2	

	3	
	4	
	5	
18	Seminar:	
	1	
	2	
19	Membership:	

Contractual Faculty

Sr. No.	Name	Post	Qualification
	Branch: Mechanical Engineering		
1	PATEL DHARMESH KANTILAL	Assist Professor	Master of engineering in Mechanical(AMT) Appointment Order નં:સીટીઈ/2014/ઈજનેરી કોલેજ/કરારભરતી/24675 તારીખ:20/10/2014

Faculty Profile:

1	**Name:**	**Patel Dharmesh Kantilal**		
2	Post:	Assistant Professor		
3	Date of Birth :	**07/04/1991**		
4	Email:	Dkpatel0704@gmail.com		
5	Webpage:			
6	Educational Qualification:	Master of engineering in Mechanical (AMT)		
7	Work Experience:	Teaching: 7 Years 2 months		
		Research: ---		
		Industry: ----		
		Others .		
	S.No.	Institute	Period	Experience
	1	Government Engineering college Patan	21/10/2014 to till date	6 Years 7 months
	2			
	3			
	4			

	5			
8	Area of Specializations:	Master of engineering in Mechanical(AMT)		
9	Subjects teaching at Under Graduate Level:	**Basic Mechanical Engineering** **Engineering Graphics and Drawing**		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals :		
		International Journals :		
		Conferences :		
	Published in International Journal			
	1			
	2			
	3			
	4			

	Published in National Journal	
	5	
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1			
	2			
	3			
	4			
	5			
18	Seminar:			
	1			
	2			
19	Membership:			

Computer Science & Engineering Department

- Number of faculty employed and left during the last three years(2018-2019,2019-20,2020-2021)

YEAR	NON-TEACHING (JOIN)	TEACHING (JOIN)	NON-TEACHING (Left/Transferred)	TEACHING (Left/Transferred)
2018-19	0	0	0	3
2019-20	0	0	0	1
2020-21	0	10	0	2

Permanent Faculty			
SR. No	Faculty name	Post	Appointment Letter number (appointment to GECPATAN) 1. New appointment number 2. OR Transfer order number
1	Prof. H.B.Jethva	Associate Professor	ગુજરાતસરકારશિક્ષણવિભાગ : બદલ/૧૦૨૦૧૭/૮૩૩/ઘતા. ૧૦/૦૭/૨૦૧૭
2	Dr.S.P.Patel	Assistant Professor	સઈકો/બદલી/સહાયકપ્રાધ્યાપક/૨૦૧૫/ઘ-૧-૨/૧૩૮૩/ તા: ૨૪-૦૬-૨૦૧૫
3	Prof. S.A. Patel	Assistant Professor	જીઈસી/નિમણુક/સ.પ્રા.કોમ્પ્યુટર/૨૦૧૧/ઘ-૨/૧૪૦૩૫ તા.૩૦/૦૪/૨૦૧૧
4	Prof.H.L.Chaudhary	Assistant Professor	જીઈસી/સહા.પ્રા./કોમ્પ્યુટરએન્જી./૨૦૧૬/ઘ-૨/૨૫૯૩૨
5	Prof.A.V.Panchal	Assistant Professor	જીઈસી/સહા.પ્રા./કોમ્પ્યુટરએન્જી./૨૦૧૬/ઘ-૨/૨૫૯૩૨
6	Prof. P. A. Darji	Assistant Professor	જીઈસી/સહા.પ્રા./કોમ્પ્યુટરએન્જી./૨૦૧૬/ઘ-૨/૨૫૯૩૨
7	Prof. S.R.Modi	Assistant Professor	જીઈસી/સહા.પ્રા./કોમ્પ્યુટરએન્જી./૨૦૧૬/ઘ-૨/૨૫૯૩૨
8	Prof. B.P.Patel	Assistant Professor	જીઈસી/ નિમણુક/સી.ભ/સહા.પ્રાધ્યાપકકમ્પ્યુટર/૨૦૨૦/ઘ-૨/૪૨૬૨ તા.૦૪/૦૬/૨૦૨૦
9	Prof. M.J.Patel	Assistant Professor	જીઈસી/ નિમણુક/સી.ભ/સહા.પ્રાધ્યાપકકમ્પ્યુટર/૨૦૨૦/ઘ-૨/૪૨૬૨ તા.૦૪/૦૬/૨૦૨૦
10	Dr. K. C. Suthar	Assistant Professor	જીઈસી/ નિમણુક/સી.ભ/સહા.પ્રાધ્યાપકકમ્પ્યુટર/૨૦૨૦/ઘ-૨/૪૨૬૨ તા.૦૪/૦૬/૨૦૨૦
11	Prof. P. J. Prajapati	Assistant Professor	જીઈસી/ નિમણુક/સી.ભ/સહા.પ્રાધ્યાપકકમ્પ્યુટર/૨૦૨૦/ઘ-૨/૪૨૬૨ તા.૦૪/૦૬/૨૦૨૦
12	Prof. Jay P Patel	Assistant Professor	જીઈસી/ નિમણુક/સી.ભ/સહા.પ્રાધ્યાપકકમ્પ્યુટર/૨૦૨૦/ઘ-૨/૪૨૬૨

			તા.૦૪/૦૬/૨૦૨૦//સી.ભ/સહા.પ્રા./કોમ્પ્યુટરએન્જી./૨૦૨૦/ધ-૨/૪૨૬૨
13	Prof. Divyesh U Bavisa	Assistant Professor	જીઈસી/ નિમણુક/સી.ભ/સહા.પ્રાધ્યાપકકમ્પ્યુટર/૨૦૨૦/ધ-૨/૪૨૬૨ તા.૦૪/૦૬/૨૦૨૦ /સી.ભ/સહા.પ્રા./કોમ્પ્યુટરએન્જી./૨૦૨૦/ધ-૨/૪૨૬૨
14	Prof. M. J. Vasava	Assistant Professor	જીઈસી/ નિમણુક/સી.ભ/સહા.પ્રાધ્યાપકકમ્પ્યુટર/૨૦૨૦/ધ-૨/૪૨૬૨ તા.૦૪/૦૬/૨૦૨૦ /સી.ભ/સહા.પ્રા./કોમ્પ્યુટરએન્જી./૨૦૨૦/ધ-૨/૪૨૬૨
15	Prof. S. H. Makwana	Assistant Professor	જીઈસી/ નિમણુક/સી.ભ/સહા.પ્રાધ્યાપકકમ્પ્યુટર/૨૦૨૦/ધ-૨/૪૨૬૨ તા.૦૪/૦૬/૨૦૨૦ /સી.ભ/સહા.પ્રા./કોમ્પ્યુટરએન્જી./૨૦૨૦/ધ-૨/૪૨૬૨
16	Prof. H. D. Chande	Assistant Professor	જીઈસી/ નિમણુક/સી.ભ/સહા.પ્રાધ્યાપકકમ્પ્યુટર/૨૦૨૦/ધ-૨/૪૨૬૨ તા.૦૪/૦૬/૨૦૨૦ /સી.ભ/સહા.પ્રા./કોમ્પ્યુટરએન્જી./૨૦૨૦/ધ-૨/૪૨૬૨
17	Prof.Hiral Rathod	Assistant Professor	જીઈસી/ નિમણુક/સી.ભ/સહા.પ્રાધ્યાપકકમ્પ્યુટર/૨૦૨૦/ધ-૨/૪૨૬૨ તા.૦૪/૦૬/૨૦૨૦ /સી.ભ/સહા.પ્રા./કોમ્પ્યુટરએન્જી./૨૦૨૦/ધ-૨/૪૨૬૨
18	Prof Y. B. Patel	Assistant Professor	જીઈસી/ નિમણુક/સી.ભ/સહા.પ્રાધ્યાપકકમ્પ્યુટર/૨૦૨૦/ધ-૨/૪૨૬૨ તા.૦૪/૦૬/૨૦૨૦ /સી.ભ/સહા.પ્રા./કોમ્પ્યુટરએન્જી./૨૦૨૦/ધ-૨/૪૨૬૨

Permanent faculty student ratio: 1:33

Faculty Profile:

1	**Name:**	**JethvaHarikrishnaBaubhai**
2	Post:	Head & Associate Professor
3	Date of Birth :	**30/07/1979**
4	Email:	hbjethva@gmail.com
5	Webpage:	
6	Educational Qualification:	**B.E. Computer Engineering** **M.E.Computer Engineering** **Ph.D.Computer Engineering**
7	Work Experience:	Teaching: 19 year
		Research: 6 year
		Industry: 1 year

		Others : 1.5 years Administrative Experience at GUJCOST.		
	S.No.	Institute	Period	Experience
	1	S.S.Ganghy college, Surat	15/02/2002 to 27/10/2004	2 year 6 month
	2	Government Engg College Patan	28/10/2004 to 06/07/2011	
	3	L.D.College of Engineering Ahmedabad	07/07/2011 to 14/07/2015	
	4	Government Engg College Patan	15/07/2015	
	5			

8	Area of Specializations:	**Machine learning , Algorithms, Neural Networks**
9	Subjects teaching at Under Graduate Level:	**yes**
10	Post Graduate Level:	-----
11	Research guidance:	Master's Degree : -----27
		Ph.D.: -----6
12	No. of Research papers published:	National Journals :
		International Journals :
		Conferences :
	Published in International Journal	
	1	
	2	
	3	
	4	

	Published in National Journal	
	5	
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1	Organized two week training on "Energy Conservation & Management" at Government Engineering College, Patan during 29/04/2010 to 12/05/2010.		
	2	Organized one day workshop on software testing a practical approach on 01 dec 2012 at L.D.College of Engineering, Ahmedabad		

	3	Organised one day workshop on “Entrepreneurship Development” on 04/04/2013 at Upnishad hall Computer Dept L. D. College of Engineering, Ahmedabad
	4	Organised two week STTP for faculty on “Entrepreneurship Development” from 17/12/2013 to 03/01/2014 at L. D. College of Engineering, Ahmedabad supported by CED(Center Entrepreneurship Development).
	5	Organised three day training on “Entrepreneurship Development” from 05/02/2014 to 07/02/2014 at Upnishad hall Computer Dept L. D. College of Engineering, Ahmedabad
	6	ICATES(International Conference on Advanced Tribology & Energy System) at GTU 15 to 17 Oct 2013 Committee member.
	7	Organized MHRD sponsored GIAN short term course on “Understanding Fundamental Tradeoffs in Computer Design and Organization” at Computer Engineering Department L. D. College of Engineering Ahmedabad from 21/11/2016 to 25/11/2016.
	8	Organized national conference NCACSET-2017 at Computer Engineering Department L. D. College of Engineering Ahmedabad on 06/05/2017
	9	Organized ATAL FDP on “Block chain technology and crypto currency” at Government Engineering College, Patan from 19-23 October 2020.
18	Seminar:	
	1	
	2	
19	Membership:	

- **Ph. D.** Guide in Gujarat Technological University Guiding 6 students.
- **Board of Study member** in Gokul University Siddhpur(N.G.), ITM University Vadodara.
- Executive Committee member in Hackathon organized by Education department, Government of Gujarat.

- Got Best faculty contribution award at L.D.College of Engineering in the year 2015
- Taken 44000 candidate CCC exam at L. D. College of Engineering in the year 2015
- Started Entrepreneurship cell at L.D.College of Engineering in the year 2015 and arranged many programs in it.
- Performed duty as a PG coordinator at LDCE

Research Publications:

	Title	Name of Conference/Journal	Author

	Age Group Estimation and Gender Recognition using Facial Features: A Critical Review Study	International Journal of Advanced Science and Technology Vol. 29, No. 12s, (2020), pp. 540-547	Karishma Chaudhary, HarikrishnaJethva
	Sanskrit Character Recognition using Convolutional Neural Networks: A Survey	International Journal of Advanced Science and Technology Vol. 29, No. 7, (2020), pp. 1059 – 1071	Bhavesh Kataria , Harikrishna B. Jethva
	Imbalanced Data Learning: Importance, Recent Trends, and Challenges	International Journal of Advanced Science and Technology Vol. 29, No. 3, (2020), pp. 8847 – 8855	H. B. Jethva and Pratik A Barot
	Mgini - Improved Decision Tree using Minority Class Sensitive Splitting Criterion for Imbalanced Data of Covid-19	JOURNAL OF INFORMATION SCIENCE AND ENGINEERING 36	PRATIK BAROT, H B JETHVA
	ENHANCE DECISION TREE ALGORITHM FORUNBALANCED DATA: RAREDTREE	International Journal of Computer Engineering & Technology(IJCET)Volume 9, Issue 5	P.A.BarotH.B.Jethva
	Self-Adaptive Message Replication (SAMR) Strategy for Delay/Disruption Tolerant Network	ICTIS 2017 Springer Volume 1pp 365-372	J.B.PatelH.B.Jethva
	Statistical Study to Prove Importance of Causal Relationship Extraction in Rare Class Classification	ICTIS 2017 Springer Volume 1 pp 416-425	P.A.BarotH.B.Jethva
	A hybrid HMM/ANN approach for automatic Gujarati speech recognition	International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS) IEEE Explore	Sanjay ValakiH.B.Jethva
	A Survey on Feature Extraction and Classification Techniques for Speech Recognition	IJARIIE Vol-2 issue 6	S.Valaki, H.B.Jethva
	Reinforcement Learning with Neural Networks: A Survey”	ICTIS 2015 Springer	B.ModiH.B.Jethva
	QUANTUM CIRCUIT OPTIMIZATION (FOR 3 QUBITS)	International Journal of Advance Engineering and Research Development IJAERD Volume 2,Issue 6	Yogesh Patel H.B.Jethva
	PERFORMANCE COMPARISON OF AODV/DSR ON-DEMAND ROUTING PROTOCOLS FOR AD HOC NETWORKS	IJSRST | Volume 1 | Issue 2 | Print ISSN: 2395-6011 | Online ISSN: 2395-602X www.ijsrst.com	B. Katariya&H.B.Jethva

	Analyze Impact of Malicious Behavior of AODV under Performance Parameters"	International Conference on Advanced Communication Control & Computing (ICACCCT) IEEE Explore	Martin Parmar H.B.Jethva
	Web Service Semantic in SAWSDL An Automated & generalized approach based on cross domain Ontology	IEEE - International Conference on Advances in Engineering and Technology-(ICAET 2014).	H.YadavH.B.Jethva
	Prolonging Life of Heterogeneous Wireless Sensor Network using Clustering Algorithm	International Journal of Scientific and Research Publs, Volume 4, Issue 5,www.ijsrp.org	Vishal LukhiH.B.Jethva
	Review Paper on Energy Efficient Clustering Protocols for Extending Wireless Sensor Network's Life	International Journal of Advanced Research in Computer Science and Software Engineering Volume 4, Issue 1	Vishal LukhiH.B.Jethva
	ANT COLONY OPTIMIZATION	IJSRSET Volume i Issue i	H.B.Jethva
	Performance Comparison of normal and abnormal AODV under random traffic and node movement	Elsevier 2nd National Conference on Advancements in the Multi-Disciplinary Systems, Technology AEMDS, p.p. 119-124	B.H.Patel Vishal Rathod H.B.Jethva
	Improving Performance of Back propagation Learning Algorithm	IJSRD(International Journal for Scientific Research & Development) Vol. 1, Issue 6	H.B.Jethva .M.Chavda
	Survey on Mobile ADHOC Network and Security Attacks on Network Layer	International Journal of Advanced Research in Computer Science and Software Engineering Vol. 3 Issue 11	Martin Parmar H.B.Jethva
	Neural Network Based Gujarati Language Speech Recognition	IJCSMR Vol. 2 Issue 5 ijcsmr.org	Pravin Patel H.B.Jethva
	Association Rule Based Data Mining Approach to HTTP Botnet Detection	IJAIEM Vol.2 Issue 4 www.ijaiem.org	J. Vania A.MeniyaH.B.Jethva
	Improvement in the Speed Of Training a Neural Network using Sampled Training	IJAIEM ISSN: 2319-4847 Vol-2, Issue-4, www.ijaiem.org	Advait Bhatt H.B.Jethva
	Privacy preserving k-Means clustering on horizontally distributed Data	International Journal of Application or Innovation in Engineering & Management (IJAIEM) Volume2, Issue 4,	Bhadresh Prajapati H.B.Jethva
	Improvements In RFID System Via Secure Mutual Authentication Protocol	International Journal of Engineering Research & Technology (IJERT)Vol. 2 Issue 5, ISSN: 2278-0181	Janak Tank H.B.Jethva
	A Review on Botnet and Detection Technique	International Journal of Computer Trends and Technology- volume4 Issue1-	Jignesh Vania Arvind MeniyaH.B.Jethva

	Priority based scheduling for lease management in cloud computing	IJSRD - International Journal for Scientific Research & Development| Vol. 1, Issue 2	Pragnesh Patel H.B.Jethva
	A review on back propagation algorithms for Feedforward Networks	GRA - GLOBAL RESEARCH ANALYSIS Volume : 2 | Issue : 1	Shital Solanki H.B.Jethva
	Survey on Attacks in Routing Protocols In Mobile Ad-Hoc Network	International Journal of Computer Science and Mobile ComputingVol.2 Issue. 12,	Jignesh B. MahetaH.B.Jethva
	Secure Transaction System Using ID Based Cryptography	International Journal of Computer Science and Mobile Computing, Vol.2 Issue. 12	Jaydipsinh B. Jadeja H.B.Jethva
	Next Generation Mobile Application in Cloud Computing using RESTful Web Service" published	IJCTA (International Journal of Computer Technology & Application) Vol 3 (3)	Arvind MeniyaH.B.Jethva
	Single-Sign-On(SSO) across open cloud computing federation	IJERA (International Journal of Engineering Research and Application) Vol. 2, Issue1,pp.891-895	Arvind MeniyaH.B.Jethva
	About different types of Neural Networks	international journal IJ-CA-ETS	H.B.Jethva
	Improving Backpropagation Learning Algorithm Using Adaptive Gradient	International journal of information and computing technology (ISTAR). ISSN: 0976 – 5999 Volume 2 Issue 1	H.B.Jethva
	Improving Backpropagation Learning Algorithm Using Modified Gradient.	IEEE international conference ICACCT ISBN: 81-87885-03-3	H.B.Jethva

Book Publication:

- "Next Generation Mobile Application in Cloud Computing using RESTful Web Service", LAP LAMBERT Academic Publishing (2012-07-06) - ISBN-13: 978-3-659-17039-3

Training attended:

Sr. No	Title of training	Duration	Place
1	Induction Training Programme for Engineering	15/05/2006 to 27/05/2006	NITTTR, extension center Ahmedabad.
2	Linux Administration	21/11/2005 to 25/11/2005	NITTTR Chandigarh
3	.Net training	28/02/07 to 03/03/07	G.H.PatelEngg. College,V.V.Nagar
4	Wireless Communication	07/05/2007 to 11/05/2007	NITTTR, Chandigarh
5	LINUX	14/05/2007 to 18/05/2007	NITTTR, Chandigarh
6	Institute Accreditation and	11/05/2009 to	NITTTR, Chandigarh

	Quality Improvement	15/05/2009	
7	Entrepreneurship Development using Blue ocean strategies	18/05/2009 to 22/05/2009	NITTTR, Chandigarh
8	Entrepreneurship Skill for Service Sector	14/09/2009 to 18/09/2009	NITTTR Extension centre Ahmedabad
9	Computational and Simulation aspects of Nanoscience and Engineering	18/01/2010 to 21/01/2010	GEC, Patan
10	Energy Conservation and Management	29/04/2010 to 12/05/2010	B & B Institute of Technology V.V.Nagar
11	Database Management	28/11/2011 to 09/12/2011	Gujarat Technological University, Ahmedabad
12	Advanced Java	18/06/2012 to 22/06/2012	TCS-Gandhinagar
13	Multimedia Development using Animation	16/07/2012 to 27/07/2012	NITTTR, extension center Ahmedabad
14	Entrepreneurship development	25/02/2013 to 09/03/2013	CED Gandhinagar
15	Advanced in Computer Science and IT engineering	08/07/2013 to 19/07/2013	NITTTR, extension center Ahmedabad
16	E content development	01/12/2014 to 12/12/2014	NITTTR, Bhopal
17	Working with Android	08/06/2015 to 12/06/2015	L. D. College of Engineering, Ahmedabad
18	Computational Intelligence from	01/03/2016 to 05/03/2016	DAIICT Gandhinagar
19	English for Technical teachers	05/06/2017 to 09/06/2017	L.D.College of Engineering Ahmedabad
20	Fundamentals and application of IOT Big Data and Machine Learning”	28/05/2018 to 08/06/2018	L.D.College of Engineering Ahmedabad
21	“Efficient Energy Conversion in Harmony with Environment”	29/10/2018 to 03/11/2018	Indian Institute of Technology BHU
22	Neural Network and CNN	09/04/2020 to 13/04/2020	NITTTR Chandigarh online
23	Linux application in Engineering Education	27/04/2020 to 01/05/2020	NITTTR Chandigarh online

Faculty Profile:

1	**Name:**		**Patel SanjaykumarPrahladbhai**	
2	Post:		Assistant Professor	
3	Date of Birth :		**21-12-1980**	
4	Email:		sp_patel1@gtu.edu.in	
5	Webpage:			
6	Educational Qualification:		**PhD**	
7	Work Experience:		Teaching: 18 Years	
			Research: 00	
			Industry: 00	
			Others :	
	S.No.	Institute	Period	Experience
	1	Sankalchand Patel College of Engineering, Visnagar	July-2003 to May-2011	08
	2	Vishwakarma Government Engineering College, Chandkheda	May-2011 to June-2015	04
	3	Government Engineering College, Patan	July-2015 to till date	06
	4			
	5			
8	Area of Specializations:		**Computer Engineering**	
9	Subjects teaching at Under Graduate Level:		**Analysis and Design of Algorithms, Theory of Computation, Compiler Design, Artificial Intelligence**	
10	Post Graduate Level:		------	
11	Research guidance:		Master's Degree : -----	
			Ph.D.: ----- 04 (Ongoing)	
12	No. of Research papers published:		National Journals : 00	
			International Journals : 00	
			Conferences : 00	
	Published in International Journal			
	1			
	2			
	3			
	4			

	Published in National Journal	
	5	
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	00		
	Title		Publisher	Year
17	Training:	00		
	1			
	2			
	3			
	4			
	5			
18	Seminar:	00		
	1			
	2			
19	Membership:	Nil		

Faculty Profile:

1	**Name:**	SunilkumarArvindbhai Patel		
2	Post:	Assistant Professor		
3	Date of Birth :	01/05/1983		
4	Email:	dp.sapatel@gmail.com		
5	Webpage:	NA		
6	Educational Qualification:	Ph.D. **(**CSE**)**		
7	Work Experience:	Teaching: 15 years		
		Research: NIL		
		Industry: NIL		
		Others : NIL		
	Sr.No.	Institute	Period	Experience
	1	B. S. Patel Polytechnic, Ganpat Vidyanagar, Kherva	20/06/2006 to 19/05/2011	5 Years
	2	Government Engineering College, Patan	20/05/2011 to continue	
	3			
	4			
	5			
8	Area of Specializations:	Image Processing, Machine Learning		
9	Subjects teaching at Under Graduate Level:	Python With data science, Advance Java Programming, Data structure		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals : 00		
		International Journals : 03		
		Conferences : 00		
	Published in International Journal			
	1	Sunil A. Patel and Ramji M. Makwana, "Connectionist Temporal Classification Model for Dynamic Hand Gesture Recognition using RGB and Optical flow Data", *The International Arab Journal of Information Technology*, ISSN:1683-3198, Vol-17, No-4, 2020, pp.497-506(SCIE Indexed).		
	2	Sunil A. Patel and Ramji M. Makwana," Dynamic Hand Gesture Recognition through three stream 3DCNN and Bidirectional gated recurrent unit using multimodal fusion", *International journal of Imaging and Robotics*, ISSN:0974-0627, Vol-19, No-4,2019, pp.20-32(UGC Approved).		

	3	Sunil A. Patel and Ramji M. Makwana, "2D CNN and Gated Recurrent Network for Dynamic Hand Gesture Recognition with A Fusion of RGB-D and Optical Flow Data"," *International Journal of Innovative Technology and Exploring Engineering*", ISSN:2278-3075, Vol-8, No-10, 2019, pp.1784-1792(Scopus Indexed).

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	-----		
	Title		Publisher	Year
17	Training:			
	1	Induction Phase-1, NITTTR Bhopal Ext. K. D. Polytechnic Patan		
	2	Advance Engineering Optimization through Intelligent Techniques, SVNIT SURAT		
	3	Induction Phase-2, NITTTR Bhopal		
	4	Cyber Security and Ethical Hacking, S.P.B Saffrony, Linch		
	5	Introduction to Design of Algorithm, UVPCE Kherva		
	6	Design and Analysis of Algorithm, SVNIT SURAT		
	7	Advance in Computer Vision and Surveillance System, VVP Rajkot		
	8	Effective teaching using modern digital techniques, K.D.Polytechnic Patan		
	9	LaTex For Academic Writing, GEC Patan		
	10	Machine Learning, Data Science and Deep Learning with Python, GEC Gandhinagar		
	11	Comperhensive Online Intellectual Property Rights(IPR), Gujarat Student Startup and Innovation Hub (i - Hub)		
	12	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning) E-Content Development, Education Department, Government of Gujarat		
	13	Advanced Research Methodology & Analytics (ARMA-2021), GEC Patan		
18	Seminar:			
	1			
	2			
19	Membership:	ISTE – LM 66545		

Faculty Profile

1	**Name:**	**Prof. Harshad Laljibhai Chaudhary**
2	Post:	Assistant Professor
3	Date of Birth :	**29/10/1983**
4	Email:	harshad.harvi@gmail.com harshad.chaudhary@gecpat.gujgov.edu.in
5	Webpage:	-
6	Educational Qualification:	**M.Tech (Computer Engineering)**
7	Work Experience:	Teaching: 7Years 5Months
		Research: -
		Industry: -
		Others : -

	S.No.	Institute	Period	Experience
	1	Gujarat Power Engineering and Research Institute	01-07-2013 to 13-10-2016	3 Year 6 Months
	2	Government Engineering College, Patan	14-10-2016 to till date	4Years 7Months

8	Area of Specializations:	**Data Mining**
9	Subjects teaching at Under Graduate Level:	**Operating System, C, DS, ADA**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals : - 0
		International Journals : 0
		Conferences : - 0
	Published in International Journal	

12	Projects Carried out:	-----
13	Nos. of consultancy project:	0
14	Patents:	-----
15	Technology Transfer	-----

16	No. of Books published with details:	0		
	Title		Publisher	Year
17	Training:			
	1	Recent Trends in Computer and Information Technology (1Week)		
	2	Induction Training Programme Phase –I (2 Week)		
	3	UDAYAM (Unlimited Digital Advanced Yearlong AcademicMethod of Learning), online 28/07/2020 to 18/08/2020		
	4	COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR), online 6/7/2020 to 14/9/2020		
18	Seminar:	-		
	1			
	2			
19	Membership:			

Faculty Profile

1	**Name:**	**AdeshVishnuprasad Panchal**		
2	Post:	Assistant Professor		
3	Date of Birth :	**09/10/1987**		
4	Email:	adesh.mtechce@gmail.com adesh.panchal@gecpat.gujgov.edu.in		
5	Webpage:	-		
6	Educational Qualification:	**M.Tech (Computer Engineering)**		
7	Work Experience:	Teaching: 8 years		
		Research: -		
		Industry: -		
		Others : -		
	S.No.	Institute	Period	Experience
	1	SMT.S R PATEL COLLEGE ENGINEERING COLLEGE , DABHI UNJHA	12/1/2012 TO 30/9/2016	4Y 7 Months
	3	GOVERNMENT ENGINEERING COLLEGE, PATAN	1/10/2016 to till date	4 Y 7 Months
8	Area of Specializations:	**Wireless Networks**		
9	Subjects teaching at Under Graduate Level:	**Software Engineering , Information Security**		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals : -		
		International Journals : -		
		Conferences :		
	Published in International Journal			
	1			
	2			

12	Projects Carried out:	-----
13	Nos. of consultancy project:	-----
14	Patents:	-----

15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1	LaTex For Academic Writing (1Week)		
	2	Induction Training Programme Phase – I (2 Week)		
	3	"Beyond The Classroom Towards Excellence" - (1Week)		
	4	Induction Training Programme Phase-II (2Week)		
	5	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning), online 28/07/2020 to 18/08/2020		
	6	COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR), online 6/7/2020 to 14/9/2020		
18	Seminar:	-		
	1			
	2			
19	Membership:	1.INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE)		

Faculty Profile

1	**Name:**	**PINESH ARVINDBHAI DARJI**
2	Post:	Assistant Professor
3	Date of Birth :	**28/01/1989**
4	Email:	pinesh111@gmail.com
5	Webpage:	
6	Educational Qualification:	**B.E. (C.E.) , M.E. (C.S.E.)**
7	Work Experience:	Teaching: 09 YEARS
		Research: 00
		Industry: 00
		Others :

	S.No.	Institute	Period	Experience
	1	PARUL INSTITUTE OF ENGINEERING AND TECHNOLOGY	15/06/2012 TO 31/12/2012	06 M
	2	U.V. PATEL COLLEGE OF ENGINEERING	01/01/2013 TO 21/09/2016	3Y 9M
	3	GEC PATAN	22/09/2016 TO CONT.	4Y 9 M
	4			
	5			

8	Area of Specializations:	**Mobile Computing**
9	Subjects teaching at Under Graduate Level:	**DBMS, OOP, PEM, PPS**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals : 00
		International Journals : 01
		Conferences : 02

	Published in International Journal	
	1	An Improvement in AOMDV with Randomization
	2	
	3	
	4	

	Published in National Journal	
	5	
	6	

	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:	**08**		
	1	LaTex for Academic Writing		
	2	i-FDP -International Faculty Development Program		
	3	Recent Trends in Computer and Information Technology		
	4	Induction Training Programme Phase-I		
	5	Android Programming		
	6	Big Data and IoT : Data Analytics,Security& Privacy		
	7	COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR)		
	8	UDAYAM E-Content Development		
18	Seminar:			
	1			
	2			
19	Membership:			

Faculty Profile

1	**Name:**	**Shraddha Rameshbhai Modi**		
2	Post:	Assistant Professor		
3	Date of Birth :	**22/01/1988**		
4	Email:	shru.modi@gmail.com shraddha.modi@gecpat.gujgov.edu.in		
5	Webpage:	-		
6	Educational Qualification:	**M.Tech (Computer Engineering)**		
7	Work Experience:	Teaching: 7Years 5Months		
		Research: -		
		Industry: -		
		Others : -		
	S.No.	Institute	Period	Experience
	1	K. D. Polytechnic, Patan	9th November, 2009 to 17th September 2010	10Months
	2	Silver Oak College of Engineering and Technology	2nd July, 2012 to 31st May, 2014	1Year 11Months
	3	Government Engineering College, Patan	19th September, 2016 to till date	4Years 7Months
8	Area of Specializations:	**Data Mining**		
9	Subjects teaching at Under Graduate Level:	**Operating System, Mobile computing and wireless communication, Web programming**		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals : -		
		International Journals : 2		
		Conferences : -		
	Published in International Journal			
	1	A Survey on Approaches of Multirelational Classification Based On Relational Database February – 2012 International Journal of Engineering and Advanced Technology (IJEAT)		
	2	Relational Classification using Multiple View Approach with Voting May – 2013 International Journal of Computer Applications (IJCA)		

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1	Recent Trends in Computer and Information Technology (1Week)		
	2	LaTex For Academic Writing (1Week)		
	3	Induction Training Programme Phase – I (2 Week)		
	4	Induction Training Programme Phase-II (2Week)		
	5	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning), online 28/07/2020 to 18/08/2020		
	6	COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR), online 6/7/2020 to 14/9/2020		
18	Seminar:	-		
	1			
	2			
19	Membership:			

Faculty PROFILE

1	**Name:**	**BhaveshkumarPrahladbhai Patel**		
2	Post:	Assistant Professor		
3	Date of Birth :	**20/11/1982**		
4	Email:	bhavesh.patel@gecpat.gujgov.edu.in		
5	Webpage:	--		
6	Educational Qualification:	**M. Tech. Computer Engineering**		
7	Work Experience:	Teaching: 15		
		Research:		
		Industry: 0		
		Others :		
	S.No.	Institute	Period	Experience
	1	U.V.Patel College of Engineering	21/8/2006 TO 11/09/2017	Lecturer/Assistant professor
	2	R. C. Technical Institute Ahmedabad	12/09/2017 to 29/06/2020	Lecturer
	3	Government Engineering College Patan	30/06/2020 To Till date	Assistant Professor
8	Area of Specializations:	**ComputerEngineering**		
9	Subjects teaching at Under Graduate Level:	**Digital Fundamentals, Computer Architectures,**		
10	Post Graduate Level:	**NA**		
11	Research guidance:	Master's Degree : 01		
		Ph.D.: NA		
12	No. of Research papers published:	National Journals :		
		International Journals :		
		Conferences : 1		
13	**Training**			
	1	Induction Phase-I		
	2	COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR).		
	3	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method Learning) E-Content Development Course		

Faculty Profile

1	**Name:**	**PATEL MITUL JAYANTIBHAI**
2	Post:	Assistant Professor
3	Date of Birth :	**27-12-1988**
4	Email:	mitjp27@gmail.com
5	Webpage:	
6	Educational Qualification:	**M.E. (CSE)**
7	Work Experience:	Teaching: 5 years 3 months
		Research:
		Industry:
		Others :

	S.No.	Institute	Period	Experience
	1	GEC Patan	06-06-2020 to till date	11 months
	2	Institute of Computer Technology, Ganpat University	27-06-2017 to 05-06-2020	2 years 11 months
	3	D A Degree Engineering & Technology, Mahemdabad	16-01-2016 to 24-06-2017	1 year 5 months
	4			
	5			

8	Area of Specializations:	**Algorithm and Compiler Design**
9	Subjects teaching at Under Graduate Level:	**Data Structure, Algorithm Analysis and Design, Operating System, Theory of Computation, Compiler Design, C Prog. Lang.**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals :
		International Journals : 1
		Conferences : 1

	Published in International Journal	
	1	An Improved LLF_DM Scheduling Algorithm for Periodic Tasks by Reducing Context Switches
	2	
	3	
	4	

	Published in National Journal

	5	
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1	Induction Phase-I during 14th September 2020 to 25th September 2020		
	2	Comprehensive Online Intellectual Property Rights		
	3	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning) E-Content Development Course		
	4	Faculty Development Program for Design Engineering during 14th March 2016 to 17th March 2016		
	5			
18	Seminar:			
	1			
	2			
19	Membership:			

Faculty Profile

1	**Name:**		**Dr. Krunal Chandravadan Suthar**	
2	Post:		Assistant Professor in Computer Engineering	
3	Date of Birth :		29-09-1983	
4	Email:		dr.kcsuthar@gmail.com	
5	Webpage:			
6	Educational Qualification:		Diploma (CE), B.E.(CE), M.Tech(CSE), Ph. D. (CE), NET	
7	Work Experience:		Teaching: 12.5 Years	
			Research:	
			Industry:	
			Others : 7 Months. (System Officer Highcourt of Gujarat)	
	S.No.	Institute	Period	Experience
	1	G.E.C. Patan	12, June 2020 To Continue..	Teaching
	2	Highcourt of Gujarat	29th September 2019 To 11, June 2020	System Officer
	3	Sankalchand Patel College college of Engineering	27th August 2008 To 25th September 2019	Teaching
8	Area of Specializations:		Security in Cloud Computing, IoT	
9	Subjects teaching at Under Graduate Level:		AJP, INS, OS, WT	
10	Post Graduate Level:		Advance Design Compiler	
11	Research guidance:		Master's Degree : 0	
			Ph.D.: 0	
12	No. of Research papers published:		National Journals : 1	
			International Journals : 16	
			Conferences : 10	
	Published in International Journal			
	1	"Security of Cloud IAAS, DAAS Services using Encryption, Obfuscation Techniques: A Review" Technix International Journal for Engineering Research, Vol. 1, Issue 6, January 2015.		
	2	"Cloud Storage Confidentiality and Secrecy using Encryption, Obfuscation Techniques: A survey " Technix International Journal for Engineering Research, Vol. 1, Issue 8, March 2015.		
	3	"An assortment of Research direction in Cloud Computing: A Critical Review" In International Conference on Technology and Management (ICTM- 2017), SPCE, Visnagar ISBN: 978-93-5267-370-4, 17-18 February, 2017.		
	4	"Routing Issues & Performance of Different Opportunistic Routing Protocols		

		in Delay Tolerant Network" In International Conference on Technology and Management (ICTM- 2017) SPCE, Visnagar, ISBN : 978-93-5267-370-4, 17-18 February, 2017.
	5	"A Survey: Privacy Preserving Using Obfuscated Attribute In e-Health Cloud" in International Journal on Recent and Innovation Trends in Computing and Communication Volume: 5 Issue: 7 July 2017
	6	"A Novel Architecture for Privacy Preserving Using obfuscated Attribute In e-Health Cloud "in International Journal on Recent and Innovation Trends in Computing and Communication Volume: 5 Issue: 10, October 2017
	7	"survey on a location and time based function for secure access of cloud services" in Journal of Emerging Technologies and Innovative Research, December 2017
	8	"Survey on Securing Medical Record using Dynamic Watermark Generator Sequence and Selective Access Control", Journal of Emerging Technologies and Innovative Research, December 2017
	9	"A VM Consolation Approach For Energy Efficient Cloud" in Journal of Emerging Technologies and Innovative Research,Volume 5 Issue 2 , February-2018
	10	"A novel approach for Securely Processing Information on Dew Sites in cloud computing Environment" in Journal of Emerging Technologies and Innovative Research,Volume 5 Issue 2 , February-2018
	11	"Enhance approach for handling spam calls in VOIP scenario" in Journal of Emerging Technologies and Innovative Research,Volume 5 Issue 2 , February-2018.
	12	"A Privacy Preserving Framework For Analyzing Auctioning Information In Cloud Computing" in Journal of Emerging Technologies and Innovative Research,Volume 5 Issue 2 , February-2018.
	13	"A fair solution for resource allocation using effective bidding strategies in cloud environment" in Journal of Emerging Technologies and Innovative Research,Volume 5 Issue 2 , February-2018
	14	"An Enhanced Reverse Auctioning Approach for Dynamic Resource Provisioning in Cloud Computing" in Journal of Emerging Technologies and Innovative Research,Volume 5 Issue 2 , February-2018
	15	"A service mining technique for efficient resource allocation in cloud environment" in Journal of Emerging Technologies and Innovative Research,Volume 5 Issue 2 , February-2018.
	16	"A Novel VM Placement framework for Dynamic Load balancing Strategy in Cloud Environment"" in Journal of Emerging Technologies and Innovative Research,Volume 5 Issue 5 ,May-2018
	17	Artificial Intelligence Techniques for Load Balancing in Cloud Computing: A Review, Journal of Emerging Technologies and Innovative Research, October, 2020

	Published in National Journal	
	1	A Review of Data Storage Correctness Approaches for Cloud Computing" National Conference on Advances and Challenges in Engineering & Science (ACES) April 2012

12	Projects Carried out:	0
13	Nos. of consultancy project:	0
14	Patents:	0
15	Technology Transfer	0

16	No. of Books published with details:	0		
	Title		Publisher	Year
	--NIL ---			
17	Training:			
	1	Participated in short term training program on " Android Application Development" at U. V. Patel College of Engineering, Ganpat University, Kherva During 11-15 May 2015		
	2	Participated in Short Term Training Program on "Cmos, Mixed Signal And Radio Frequency vlsi Design" at S.P. College of Engineering,Visnagar organized by IIT, Kharagpur During 30th January to 04th February 2017		
	3	Participated in one day Training Programme (Seminar) on "Image Processing Algorithms and Applications " at Sankalchand Patel college of Engineering, Visnagar on 22nd February, 2019.		
	4	Participated in two days Training Programme (Seminar) on " Machine Learning and Deep Learning in Image Processing: Techniques, Tools and Trends " at Sankalchand Patel college of Engineering, Visnagar on 8th – 9th March, 2019		
	5	Participated in Five days Training Programme on "Block chain " at Government Engineering college, Patan During 19th– 23rd , October, 2020		
	6	Participated in Five days Training Programme on " Advanced Research Methodology and Analysis " at Government Engineering college, Patan During 22nd– 26th March, 2021		
18	Seminar:			
	1	Participated in 2- Week ISTE Workshop on "Signals and Systems" conducted by Indian Institute of Technology, Kharagpur During 2nd to 12th January, 2014		
	2	Participated in 2- Week ISTE Workshop on "Computer Programming" conducted by Indian Institute of Technology, Bombay During 11th to 21st June, 2014		
	3	Participated in 2- Week ISTE Workshop on "Cyber Security" conducted by Indian Institute of Technology, Bombay During 10th to 20th July, 2014		
	4	Participated in 2- Days workshop on "Cloud based Applications "Organized by Institute of Computer Technology, Ganpat University, Kherva on 26 & 27 December 2016		
	5	Participated in International Conference "International conference on Technology and Management" organized by S.P. college of Engg. Visnagar on 17th & 18th February 2017		
	6	Participated in one week ISTE Workshop on "Angular, Node, and Ionic" organized by S.B.P Institute of Technology, Mehsana, 12-16 March, 2018		
19	Membership:	IEANG		

Faculty Profile

1	**Name:**	**PRAJAPATI PAYAL JAYANTILAL**
2	Post:	Assistant Professor in Computer Science & Engineering (CSE)
3	Date of Birth :	28-8-1992
4	Email:	Payalprajapati2808@gmail.com
5	Webpage:	
6	Educational Qualification:	B.E.(Computer Engineering), M.Tech.(CSE)
7	Work Experience:	Teaching: 5 years
		Research: 1 year
		Industry: 10 months
		Others

S.No.	Institute	Period	Experience
1	GEC, Patan	June 2020 – Present	Assistant Professsor
2	Bacancy Private Ltd.	October 2019 – June 2020	Software Developer
3	Nirma University	June 2016 – June 2019	Assistant Professor
4	Nirma University	December 2015 – June 2016	Junior Research Fellow
5	L.J. Institute of Engineering & Technology	July 2015 – December 2015	Assistant Professor
6	Indian Space Research Organization	June 2014 – April 2015	Intern

8	Area of Specializations:	
9	Subjects teaching at Under Graduate Level:	**7**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals :
		International Journals : 0

		Conferences : 4
	Published in International Journal	
	1	
	2	
	3	
	4	

	Published in National Journal	
	5	
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1	Udyam E-content Development Course		
	2	AICTE training & learning (ATAL) academy online FDP on "BlockChain"		
	3	Comprehensive Online Intellectual Property Rights		
	4			
	5			
18	Seminar:			
	1			
	2			
19	Membership:	IEEE		

Faculty Profile:

1	**Name:**	**Y. B. Patel**
2	Post:	Assistant Professor
3	Date of Birth :	**31/07/1990**
4	Email:	yogesh.patel@gecpatan.ac.in
5	Webpage:	
6	Educational Qualification:	**M.E.(Computer Science & Engineering)**
7	Work Experience:	Teaching: 2 Years
		Research: 00
		Industry: 00
		Others :

	S.No.	Institute	Period	Experience
	1	L.D. College of Engineering, Ahmedabad	06/06/20 – 01/11/22	3.9 Years
	2	Government Engineering College, Patan	2/11/22 – Till Date	0 Years
	3			

8	Area of Specializations:	• Operating System
9	Subjects teaching at Under Graduate Level:	Operating System & Computer Networks
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : 00
		Ph.D.: 00
12	No. of Research papers published:	National Journals : 00
		International Journals : 00
		Conferences : 00

	Published in International Journal	

	Published in National Journal	

12	Projects Carried out:	-----
13	Nos. of consultancy project:	-----
14	Patents:	-----
15	Technology Transfer	-----
16	No. of Books published	

	with details:			
	Title		Publisher	Year
17	Training:			
	1	Induction Phase-I (A view Based)		
	2	COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR)		
	3	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning) E-Content Development		
	4	Introduction To Programming In C		
18	Seminar:			
19	Membership:			

Faculty Profile

1	**Name:**	JAY PRAKASHBHAI PATEL
2	Post:	Assistant Professor
3	Date of Birth :	13-02-1991
4	Email:	jaypatel0513@gmail.com
5	Webpage:	
6	Educational Qualification:	ME (IT)
7	Work Experience:	Teaching: 11 months
		Research:
		Industry:
		Others :

	S.No.	Institute	Period	Experience
	1	GEC Patan	08-06-2020 to till date	11 months
	2			
	3			
	4			
	5			

8	Area of Specializations:	Cloud Computing
9	Subjects teaching at Under Graduate Level:	DBMS, IC, Web Programming, PPS
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals :
		International Journals :
		Conferences : 1
	Published in International Journal	
	1	
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	Published in National Journal	
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	7	

12	Projects Carried out:	-----

13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1			
	2	Comprehensive Online Intellectual Property Rights		
	3	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning) E-Content Development Course		
	4	ID-52- Managerial skills for academics and administrators conducted by NITTTR Bhopal.		
	5			
18	Seminar:			
	1			
	2			
19	Membership:			

Faculty Profile

1	**Name:**	**DivyeshkumarUmeshbhaiBavisa**
2	Post:	Assistant Professor
3	Date of Birth :	**02-02-0992**
4	Email:	Divyeshbavisa6@gmail.com
5	Webpage:	
6	Educational Qualification:	**B.E. (Computer Engineering)** **M.Tech. (Computer Engineering)**
7	Work Experience:	Teaching: 11 months
		Research:
		Industry:
		Others :

	S.No.	Institute	Period	Experience
	1	GEC Patan	08-06-2020 to till date	11 months
	2			
	3			
	4			
	5			

8	Area of Specializations:	**Android**
9	Subjects teaching at Under Graduate Level:	**Computer Networks, PPS**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals : NIL
		International Journals : NIL
		Conferences : NIL

	Published in International Journal	
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	Published in National Journal	
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12	Projects Carried out:	NIL		
13	Nos. of consultancy project:	NIL		
14	Patents:	NIL		
15	Technology Transfer	NIL		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1	Comprehensive Online Intellectual Property Rights (IPR)		
	2	Unlimited Digital Advanced Yearlong Academic Method Of Learning (UDAYAM)		
	3			
	4			
	5			
18	Seminar:			
	1			
	2			
19	Membership:	NIL		

Faculty Profile

1	**Name:**	**MehulkumarJaykishanbhaiVasava**
2	Post:	Assistant Professor
3	Date of Birth :	**02-01-1990**
4	Email:	mehulv8@gmail.com
5	Webpage:	
6	Educational Qualification:	**B.E. (Computer Engineering)** **M.E. (Information Technology)**
7	Work Experience:	Teaching: 11 months
		Research:
		Industry:
		Others :

	S.No.	Institute	Period	Experience
	1			
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8	Area of Specializations:	**Networking**
9	Subjects teaching at Under Graduate Level:	**Data Mining & Business Intelligence, Professional Ethics, Programming for Problem Solving, Operating System**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals :
		International Journals :
		Conferences :

	Published in International Journal	
	1	
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	Published in National Journal	
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12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1	Comprehensive Online Intellectual Property Rights (IPR)		
	2	Unlimited Digital Advanced Yearlong Academic Method Of Learning (UDAYAM)		
	3			
	4			
	5			
18	Seminar:			
	1			
	2			
19	Membership:			

Faculty Profile

1	**Name:**	**SachinkumarHarshadbhai Makwana**
2	Post:	Assistant Professor
3	Date of Birth :	**26/Feb/1990**
4	Email:	Schnmakwana11@gmail.com
5	Webpage:	
6	Educational Qualification:	**M.E. (CSE)**
7	Work Experience:	Teaching: 11 months
		Research:
		Industry:
		Others :

	S.No.	Institute	Period	Experience
	1			
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8	Area of Specializations:	**Machine Learning**
9	Subjects teaching at Under Graduate Level:	**Data Mining and Business Intelligence, Professional Ethics, Data Mining, Programming for Problem Solving**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals :
		International Journals :
		Conferences :

	Published in International Journal	
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	Published in National Journal	
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12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training:			
	1	Comprehensive Online Intellectual Property Rights (IPR)		
	2	Unlimited Digital Advanced Yearlong Academic Method Of Learning (UDAYAM)		
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18	Seminar:			
	1			
	2			
19	Membership:			

Faculty Profile

1	**Name:**	**Haresh DhanjiChande**		
2	Post:	Assistant Professor		
3	Date of Birth :	**01-09-1986**		
4	Email:	hareshchande@gmail.com		
5	Webpage:			
6	Educational Qualification:	**M.E. Computer Engineering**		
7	Work Experience:	Teaching: 8 Years		
		Research:		
		Industry:		
		Others :		
	S.No.	Institute	Period	Experience
	1	GEC , Patan	01 Year	Teaching
	2	HJD Institute, Kutch	06 Years	Teaching
	3	Parul Polytechnic Institute, Vaghodia	01 Year	Teaching
	4			
	5			
8	Area of Specializations:	**Image Processing / Machine Learning**		
9	Subjects teaching at Under Graduate Level:	**Computer Networks, Artificial Intelligence, Analysis and Design of Algorithms, Operating System, Indian Constitution**		
10	Post Graduate Level:	Advance Algorithms		
11	Research guidance:	Master's Degree : 10		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals : 00		
		International Journals : 08		
		Conferences : 03		
	Published in International Journal			
	1	Haresh Chande, Zankhna Shah, "Illumination Invariant Face Recognition System ", International Journal of Computer Science and Information Technologies (IJCSIT), Vol. 3(3), 4010-4014, ISSN No. 0975-9646, May-2012.		

	2	Sheetal Maheshwari, Haresh Chande, "A Review Paper on Various Image Restoration Approaches", National Conference on Emerging Research Trend in Science and Technology, IJDIERET, ISSN (Print): 2320- 7590, September 27th – 29th, 2018.
	3	UshantsinghRathor, Haresh Chande, "Emotion Mining from Text in Social Media", National Conference on Emerging Research Trend in Science and Technology, IJDIERET, ISSN (Print): 2320- 7590, September 27th – 29th, 2018.
	4	Dipannita Kar, Haresh Chande, Rajendra Gaikwad, "A Study Paper on Outlier Detection on Time Series Data", International Journal of Creative Research Thoughts (IJCRT) Volume 5, ISSN: 2320-2882, December-2017
	5	Janki Trivedi, Haresh Chande, "Weather Forecasting using WSN", National Conference on Recent Trends in Engineering, Management, Pharmacy, Architecture and Sciece (NCRTEMPAS), ISBN: 978-93-5254-682-4, March – 2017.
	6	Siddhi Shah, Haresh Chande, "A Survey on Various Image Inpainting Techniques International Journal of Advance Research in Engineering, Science & Technology (IJAREST), Vol. 3, Issue 12, ISSN: 2393-9877, December-2016.
	7	Nikita Pitroda, Haresh Chande, "A Review on Deweathering methods: Fog & Haze removal", International Journal of Advance Research in Engineering, Science & Technology (IJAREST), Vol. 3, Issue 12, ISSN: 2393-9877, December-2016.
	8	Aayushi Solanki, Haresh Chande, "A Review on Text Detection and Character Recognition for Printed Documents", International Journal of Advance Engineering and Research Development (IJAERD), Vol.3, Issue 5,pp:450-454, ISSN:2348-4470, May-2016.
	9	Jigar Bhanushali, Haresh Chande, "A Review on License Plate Extraction in various Illumination Conditions", International Journal of Advance Engineering and Research Development (IJAERD), Vol.3, Issue 5, ISSN:2348-4470, May-2016.
	10	Komal Hadia, Haresh Chande, "A Review on Illumination Invariant Face Recognition System", International Journal of Advance Engineering and Research Development (IJAERD), Vol.3, Issue 5, ISSN:2348-4470, May-2016.
	11	DevanshiSoni, Haresh Chande, "Reduction of Delay in Multicast Protocol", CiiT International Journal of Networking and Communication Engineering (IJNCE), Vol 10, pp-86-91, No 4, ISSN No. 0974-9713, April 2018.

	Published in National Journal	
	1	
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12	Projects Carried out:	-----
13	Nos. of consultancy project:	-----
14	Patents:	-----
15	Technology Transfer	-----
16	No. of Books published with details:	

	Title	Publisher	Year

17	Training:	
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18	Seminar:	
	1	
	2	
19	Membership:	•Life Time member of Indian Society for Technical Education (ISTE).

Faculty Profile

1	**Name:**	**RATHOD HIRAL YASHWANTBHAI**
2	Post:	ASSISTANT PROFESSOR
3	Date of Birth :	**26/01/1986**
4	Email:	rathod.hiral26@gmail.com
5	Webpage:	---
6	Educational Qualification:	**M.TECH(CSE),B.E.(CE)**
7	Work Experience:	Teaching: 3 YEAR
		Research :--
		Industry: 1 YEAR
		Others :--

	S.No.	Institute	Period	Experience
	1	Apollo Institute of Engg.& Technology	6/6/2017	5/6/2020
	2	Institute for Plasma Research	24/2/2008	24/2/2009
	3			
	4			
	5			

8	Area of Specializations:	**Information Security** **Database Management System**
9	Subjects teaching at Under Graduate Level:	**1.Programming For Problem Solving(PPS)** **2.Database Management System(DBMS)** **4.Operating System(OS)** **5.Object Oriented Programming – I(OOP-1)** **6..Professional Ethics(PE)** **7.Information & Network Security(INS)** **8.Dot Net Technology(.NET)** **9.Distributed .Database Management System(DDBMS)**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals : 00
		International Journals : 02
		Conferences : 01

	Published in International Journal	
	1	A Review and Comparative study of Block Based Symmetric Transformation Algorithm for Image Encryption. At, International Journal of Computer

		Technology and Electronics Engineering (IJCTEE) VOLUME 1, ISSUE 2
	2	Design and Implementation of Image Encryption Algorithm by using Block Based Symmetric Transformation Algorithm (Hyper Image Encryption Algorithm), ISSN 2249-6343 International Journal of Computer Technology and Electronics Engineering (IJCTEE) Volume 1, Issue 3.
	3	
	4	

	Published in National Journal	
	5	
	6	
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12	Projects Carried out:		-----	
13	Nos. of consultancy project:		-----	
14	Patents:		-----	
15	Technology Transfer		-----	
16	No. of Books published with details:		-----	
	Title		Publisher	Year
17	Training:		03	
	1	Comprehensive Online Intellectual Property Rights (IPR)Certificate Course		
	2	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning)		
	3	Online FDP on “Block chain”		
	4	Online FDP on “R Programming”		
	5			
18	Seminar:	--		
	1			
	2			
19	Membership:		--	

Electrical Engineering Department

- Number of faculty employed and left during the last three years(2018-2019,2019-20,2020-2021)

YEAR	NON TEACHING (JOIN)	TEACHING (JOIN)	NON TEACHING (Left/Transferred)	TEACHING (Left/Transferred)
2018-19	0	1	0	1
2019-20	0	1	0	1
2020-21	0	0	0	0

Permanent Faculty:

Sr. No.	Name	Post	Appointment is approved by university**[Letter Number]**
1	Prof.G.A.Patel	Asso.Professor	જીઈસી/સી-ભ. ્યા.૧૦૯૯ ધ-૨/૩૨૩૭૨ તા.:૦૬-૦૭-૧૯૯૮
2	Prof.N.K.Dabhi	Assistant Professor	REGULAR GEC/1099/GH-2/63989
3	Prof.V.K.Prajapati	Assistant Professor	જીઈસી/નિમણૂક/્યા.વિધુત ઈજ./2010/ધ-2/૧૨૭૬૦/તા. ૧૨/૦૩/૨૦૧૦
4	Prof.H.D.Patel	Assistant Professor	LetterNo.GEC/Vidyut/2014/GH-2/12603/Dt.17/06/2014
5	Prof. S.G.Prajapati	Assistant Professor	LetterNo.GEC/LECT-ELECT/2011/GH-2/3797 Dt. 3/2/2011
6	Prof.M.D.Patel	Assistant Professor	LetterNo.GEC/APPOINTMENT/ AASISTANT PROFESSOR ELECTRICAL/2011/GH-1/11977 Dt:-18-04-2011
7	Prof.A.N.Patel	Assistant Professor	LetterNo.GEC/APPOINTMENT/ AASISTANT PROFESSOR ELECTRICAL/2011/GH-1/11977 Dt:-18-04-2011
8	Prof.P.D.Patel	Assistant Professor	LetterNo. GEC/appoint/AP Elect./2012/Gh-2/3153, 3/2/2012

Permanent faculty student ratio: 1:31

Faculty Profile:

1	**Name:**	Prof.G.A.Patel
2	Post:	Asso.Professor
3	Date of Birth :	
4	Email:	gapatel06@yahoo.co.in
5	Webpage:	
6	Educational Qualification:	**M.E**
7	Work Experience:	Teaching: **23 YEARS**
		Research:
		Industry: 2
		Others :
8	Area of Specializations:	**ELECTRICAL MACHINES,POWER SYSTEMS**
9	Subjects teaching at Under Graduate Level:	
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals :
		International Journals :
		Conferences :

17	Training:	
	1	Intellectual property rights BY CTE and KCG Ahmedabad
	2	Online training for E-content Development 'UDAYAM'
	3	
	4	
18	Seminar:	
	1	
	2	
19	Membership:	

Faculty Profile:

1	**Name:**	**NARAN KALYANJI DABHI**
2	Post:	ASSISTANT PROF. ELECTRICAL ENGINEERING
3	Date of Birth :	**28 November, 1973.**
4	Email:	nkdabhi73@gmail.com
5	Webpage:	
6	Educational Qualification:	**M.E.ELECTRICAL (POWER SYSTEM)**
7	Work Experience:	Teaching: 20
		Research: 00
		Industry: 02
		Others :

S.No.	Institute	Period	Experience
1	GOVT.ENGG.COLLEGE BHUJ	27.12.99 TO 31.08.2005	TEACHING (5 YR 8 MONTH
2	GOVT.ENGG.COLLEGE-RAJKOT	1.9.2005 TO 18.07.2007	TEACHING (1-YR 10-MONTH
3	L.E.COLLEGE MORBI	19.07.2007 TO 04.09.2019	TEACHING (12 YR 9- MONTH
4	GOVT.ENGG.COLLEGE. PATAN	05.09.2019 TO CONT…	TEACHING (1-YR 6-MONTH
5	GUJARAT ELETRICITY BOARD, MANDAVI DIV.	1-Jun-99 TO 13-Dec-99	JR. ENGINEER

8	Area of Specializations:	**POWER SYSTEM**
9	Subjects teaching at Under Graduate Level:	**AS PER GTU SEM SCHEME BEE,PS-1, ECA…**
10	Post Graduate Level:	------N.A.
11	Research guidance:	Master's Degree : -----N.A.
		Ph.D.: -----N.A.
12	No. of Research papers published:	National Journals : N.A.
		International Journals : N.A.
		Conferences : N.A.

Published in International Journal	
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Published in National Journal

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12	Projects Carried out:	-----N.A.		
13	Nos. of consultancy project:	-----N.A.		
14	Patents:	-----N.A.		
15	Technology Transfer	-----N.A.		
16	No. of Books published with details:	NIL		
	Title		Publisher	Year
	Training:			
	1	Intellectual property rights BY CTE and KCG Ahmedabad		
	2	Online training for E-content Development 'UDAYAM'		
	3			
	4			
	5			
18	Seminar:			
	1			
	2			
19	Membership:	INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE) LIFE MEMBER: LM 75010		

Faculty Profile:

1	**Name:**	Vijaykumar Kanaiyalal Prajapati		
2	Post:	Assistant Professor		
3	Date of Birth :	**30/12/1979**		
4	Email:	vkp.gec@gmail.com		
5	Webpage:			
6	Educational Qualification:	**Ph.D. (Electrical Engineering)**		
7	Work Experience:	Teaching: 16 Years		
		Research: ----		
		Industry: ----		
		Others : ----		
	S.No.	Institute	Period	Experience
	1	Government Polytechnic, Palanpur	01-03-2005 to 07-04-2010	5 Years and 1 Month
	2	Government Engineering College, Bharuch	08-04-2010 to 09-12-2013	3 years and 8 Months
	3	Government Engineering College, Patan	10-12-2013 to till date	7 Years and 6 Months
	4	----------	----------	---------
	5	----------	----------	---------
8	Area of Specializations:	**Power System**		
9	Subjects teaching at Under Graduate Level:	**Electrical Circuit Analysis, Control System Theory, Electromagnetic Field, Power System Operation and Control**		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals : -----		
		International Journals : 04		
		Conferences : 03		
	Published in International Journal			
	1	Vijaykumar K. Prajapati and Vasundhara Mahajan, "Congestion Management of Power System with Uncertain Renewable Resources and Plug in Electrical Vehicle," IET Generation, Transmission and Distribution, 2019, 927-938 . (SCI)		
	2	Vijaykumar K. Prajapati and Vasundhara Mahajan, "Demand Response based Congestion Management of Power System with Uncertain Renewable Resources," International Journal of Ambient Energy, 2019, 1-20 . (ESCI)		
	3	Vijaykumar K. Prajapati, Vasundhara Mahajan, Reliability assessment and congestion management of power system with energy storage system		

		and uncertain renewable resources,Energy, Volume 215, Part B, 2021, 119-134,
	4	Vijaykumar K. Prajapati, Vasundhara Mahajan and Padhy, Narayana Prasad, Congestion management of integrated transmission and distribution network with RES and ESS under stressed condition, International Transactions on Electrical Energy Systems, volume 31, number 2, 2021, pages 1-23

	Published in National Journal	
	5	----------
	6	----------
	7	----------

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	------		
	Title		Publisher	Year
17	Training:			
	1	NBA Accreditation and Teaching - Learning in Engineering (NATE)		
	2	COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR)		
	3	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning)		
	4	"NURTURING INNOVATION AND STARTUP ECOSYSTEM (NISE)		
	5	-------		
18	Seminar:	----------		
	1	----------		
	2	----------		
19	Membership:	ISTE, LM-53357		

Faculty Profile:

1	**Name:**	**HARSHADKUMAR DAHYALAL PATEL**
2	Post:	ASSISTANT PROFESSOR
3	Date of Birth :	**08/02/1973**
4	Email:	hdpjaska@gmail.com
5	Webpage:	NA
6	Educational Qualification:	**M.E.(ELECTRICAL)**
7	Work Experience:	Teaching: **25 YEARS**
		Research: **Pursuing Ph.D.at IIT Roorkee**
		Industry: **02 YEARS**
		Others : **Nil**

	S.No.	Institute	Period	Experience
	1	LDCE Ahmedabad	1996-2007	11 Years
	2	GEC Modasa	2007-2011	4 Years
	3	LDCE Ahmedabad	2011-2015	4 Years
	4	GEC Patan	2015-2021	6 Years
	5	Welspun Ltd./Special cable	1994-1996	2 Years

8	Area of Specializations:	**Power system,Renewable energy**
9	Subjects teaching at Under Graduate Level:	**EMMI,TCEE,ElectricalMachine,HVE,IndustrialInstrumentation,Electrical Power.**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals : --
		International Journals : --
		Conferences : --

	Published in International Journal	
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	Published in National Journal	
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12	Projects Carried out:	
13	Nos. of consultancy project:	
14	Patents:	
15	Technology Transfer	
16	No. of Books published with details:	
	Title	Publisher
17	Training:	

No	**Title of Training**
1	Blood donation programme participated as a doner
2	One day workshop on Electrical Safety and fire hazards atVGEC Chandkheda
3	Training program on Mi Power software
4	Training program on "Power system analysis software"at SVNIT ,Surat
5	MATLAB for Electrical Engineering
6	Discussion and finalization of syllabus for electrical discipline.
7	Two days technical event at LDCE,Ahmedabad
8	Blood donation programme participated as a doner
9	One day workshop on DSP in Electrical Engineering Application.
10	Energy conservation awareness programme at LDCE,Ahmedabad
11	Teaching competency awareness development programme at GEC Modasa
12	Modern trends in electrical power system operation and control
13	Two days national level symposium at Ganpat University,Kherva
14	Recent trends on power system operation,cotrol and protection
15	Research Fair 2011 at LDCE Ahmedabad
16	Induction Training program Phase-II
17	Induction Training program Phase-II
18	Introduction to project management at LDCE OrganisedbY PMI
19	One day workshop Patent search methodology
20	One day national level symposium at V.V.P.Engg. college,Rajkot
21	Paper publication In IJAIR,
22	Awareness on green energy & energy coservation
23	International Conference " ICATES 2013" OrganisedbY GTU
24	STTP On Enterpreneurship Development
25	Karmayogi residential training at Swaminarayan dhamGhandhinagar
26	International seminar at PDPU"OFFSHORE WIND POWER POTENTIAL IN GUJARAT"
27	Two days conclave on Electrical science at IIT,Gandhinagar
28	Two days workshop on computational methods in engineering using MATLAB
29	Modelling and Analysis of Electrical System
30	youth festival of GTU" XITIJ 2014"faculty coordinator for sanchay 2014
31	Workshop on research opportunities at ISRO,Ahmedabad
32	Rediscovering ethics and values International seminar at GTU
33	Basics of Induction Motors
34	Basics of PLC
35	Shaping technical education to meet the challenges beyond 2020
36	CAD,ADVANCE SIMULATION AND MANUFACTURING USING NX SOFTAWARE,COE,LDCE,Ahmedabad
37	Circuit design and smart grid STTP at EED,LDCE,Ahmedabad
38	PLC and Process Instrumentation
39	One day workshop"RTEPS 2016" at GEC Patan as a coordinator and participant
40	One day workshop"RTEPS 2016" at GEC Patan as a participant
41	National conference on Emerging research trend in Engineering at VGEC Chandkheda
42	Summer school (ELECTRICAL MACHINE)at IIT Gandhinagar

43	Summer school (Speech modelling)at DAIICT Gandhinagar
44	STTP On Operation and Maintanance of SHP STATION
46	STTP ON WIND POWER TECNOLOGYat NITTTR Bhopal
47	Higher study for Ph.D at IIT Roorkee
18	Seminar:
	1
	2
19	Membership:

Faculty Profile:

1	**Name:**	**Sohankumar G Prajapati**
2	Post:	Assistant Professor

3	Date of Birth :	**01/06/1977**
4	Email:	sgp.gec@gmail.com
5	Webpage:	
6	Educational Qualification:	**M.E (Electrical), B.E (Electrical)**
7	Work Experience:	Teaching: 17
		Research: 00
		Industry: 00
		Others : 00

	S.No.	Institute	Period	Experience
	1	K.D.Polytechnic,Patan	1/7/2003 to 30/6/2005	1 Year
	2	SSPC-Visnagar	6/12/2004 to 14/2/2011	6 Year
	3	GEC-Palanpur	15/2/2011 to 30/6/2015	4 Year
	4	GEC-Patan	1/7/2015 to continue	6 Year
	5			

8	Area of Specializations:	**Solar Energy, Power system**
9	Subjects teaching at Under Graduate Level:	**Wind and solar energy, Basic electrical engineering, Energy conservation and audit, Electrical Machine**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals : 00
		International Journals : 02
		Conferences : 02

	Published in International Journal	
	1	Springer- International e-Conference on Intelligent Systems and Signal Processing
	2	International Conference in advance trends in engg & technology
	3	International Journal of Applied Research in The Board of Science and Engineering (E-ISSN : 2456-124x
	4	Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162)

	Published in National Journal	
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12	Projects Carried out:	-----
13	Nos. of consultancy project:	-----
14	Patents:	-----
15	Technology Transfer	-----
16	No. of Books published with details:	02

	Title	Publisher	Year
	Elements of Electrical Engineering	Synergy	2015

	Basic Electrical Engineering		Synergy	2016
17	Training:	13		
	1	Induction Training Programme-Phase-I		
	2	Induction Training Programme-Phase-II		
	3	RECENT TREND IN POWER SYSTEM		
	4	Advance in Control and instrumentation education and implementations		
	5	RECENT TREND IN ELECTRICAL POWER SYSTEM		
	6	RECENT TRENDS IN POWER SYSTEM MANAGEMENT		
	7	Measurement, Trouble shooting & Quality Testing of Electrical Equipment		
	8	Technological Advancements in Electrical Power System		
	9	Innovative Experiments in Electrical and Electronics Engineering		
	10	"COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR)"		
	11	e-content development under UDAYAM project		
	12	“Power Electronics Application for distributed Power Generation System”		
	13	Electric Vehicle Evolution - Impact on Power Grid		
18	Seminar:	02		
	1	Solar energy		
	2	Advance Power system		
19	Membership:	ISTE Membership: NO. LM 67151		

Faculty Profile:

1	**Name:**	**Manishkumar D.Patel**
2	Post:	Assistant Professor
3	Date of Birth :	**22/07/1985**
4	Email:	ermanish20@gmail.com
5	Webpage:	
6	Educational Qualification:	**M.E (Electrical), B.E (Electrical)**
7	Work Experience:	Teaching: 14
		Research: 00
		Industry: 00
		Others : 00

	S.No.	Institute	Period	Experience
	1	SPCE-Visnagar	27/7/2007 TO 30/4/2011	3.8Year
	2	GEC-Palanpur	09/05/2011 to 5/12/2018	7.7Year
	3	GEC-Patan	6/12/2018 to continue	2.5 Year
	4			

8	Area of Specializations:	**Solar Energy, Power system**
9	Subjects teaching at Under Graduate Level:	**POWER SYSTEM, Basic electrical engineering, , Electrical Machine-I,II**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals : 00
		International Journals : 00
		Conferences : 01

	Published in International Journal	
	1	
	2	
	3	
	4	

	Published in National Journal	
	5	
	6	
	7	

12	Projects Carried out:	-----
13	Nos. of consultancy project:	-----
14	Patents:	-----
15	Technology Transfer	-----
16	No. of Books published with details:	---

	Title	Publisher	Year

17	Training:	13
	1	Induction Training Programme-Phase-I
	2	Induction Training Programme-Phase-II
	3	RECENT TREND IN POWER SYSTEM
	4	Scilab Software
	5	"COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR)"
	6	e-content development under UDAYAM project
	7	MOOC ON “Renewable Energy Sources”
18	Seminar:	02
	1	
	2	
19	Membership:	

Faculty Profile:

1	**Name:**	**PATEL ANILKUMAR NARSINHBHAI**
2	Post:	ASISTANT PROFESSOR
3	Date of Birth :	**13-01-1981**
4	Email:	anpatelee@gmail.com

5	Webpage:			
6	Educational Qualification:	**M.E. ELECTRICAL**		
7	Work Experience:	Teaching: 10		
		Research: 00		
		Industry: 00		
		Others : 00		
	S.No.	Institute	Period	Experience
	1	SPCE VISNAGAR	01-07-2006 TO 25-04-2011	4 YR 10 MONTH
	2	GEC PALANPUR	26-04-2011 TO 20-05-2016	5 YR 1 MONTH
	3	GEC PATAN	21-05-2016 TO TILL DATE	CONTI...
	4			
	5			
8	Area of Specializations:	**POWER SYSTEM**		
9	Subjects teaching at Under Graduate Level:	**ELECRICAL POWER 1, ELECTRICAL POWER 2, INTERCONNECTED POWER SYSTEM, POWER SYSTEM OPERATION AND CONTROL, BASIC OF ELECTRICAL ENGINEERING, HIGH VOLATGE ENGINEERING, MEASURMENT**		
10	Post Graduate Level:	------NA		
11	Research guidance:	Master's Degree : -----NIL		
		Ph.D.: -----NIL		
12	No. of Research papers published:	National Journals : NIL		
		International Journals : NIL		
		Conferences : NIL		
	Published in International Journal			
	1	00		
	2	00		
	3			
	4			

	Published in National Journal	
	5	00
	6	
	7	

12	Projects Carried out:	-----NIL		
13	Nos. of consultancy project:	-----NIL		
14	Patents:	-----NIL		
15	Technology Transfer	-----NIL		
16	No. of Books published with details:	NIL		
	Title		Publisher	Year

17	Training:			
	1	INDUCTION TRAINING PROGRAMME PHASE - I		
	2	KARMYOGI RESIDENTIAL TRINING FOR QIP IN TECHNICAL EDU		
	3	RECENT TREANDS IN POWER SYSTEM		
	4	RECENT TREANDS IN POWER SYSTEM		
	5	DEVELOPMENT OF LAB MANUAL AND PROJECT WORK FOR ELECTRICAL AND ALLIED PROGRAMME		
	6	EFFECTIVE TEACHING SKILL USING MODERN DIGITAL TECHNIQUES		
	7	ELECTRIFICATION OF BUILDING AND COMPLEXES		
	8	TECHNOLOGICAL INNOVATIONS IN ELECTRICAL ENGINEERING		
	9	CONDITIONING MONITORING OF POWER TRANSFORMER		
	10	ENHANCING VOCATIONAL ENTERPRENEURSHIP SKILL		
	11	TECHNOLOGICAL ADVANCMENT IN ELECTRICAL POWER SYSTEM		
	12	RECENT TREANDS IN POWER SYSTEM OPERATION AND CONTROL		
	13	COMPREHENSIVE ONLINE INTELEEECTUAL PROPERTY RIGHTS (IPR)		
	14	UNLIMITED DIGITAL ADVANCED YEARLONG ACADEMIC METHODS OF LEARNING (UDAYAM)		
18	Seminar:			
19	Membership:		ISTE LM-113993	

Faculty Profile:

1	**Name:**	PATEL PRAVINKUMAR DHANJIBHAI
2	Post:	Assistant Professor
3	Date of Birth :	11- 02 – 1982
4	Email:	Patel_pravin2@gtu.edu.in
5	Webpage:	
6	Educational Qualification:	**M. Tech in Electrical Engineering**
7	Work Experience:	Teaching: 16 years
		Research:
		Industry:
		Others :

	S.No.	Institute	Period	Experience
	1	B.S. Patel Polytechnic, Kherva,	Since16/01/2004 29/02/2012	7 years
	2	Government Engineering College, Godhra	01/03/2012 To 29/06/2015	3 Years
	3	Government Engineering College, Patan	30/06/2015 To continue	6 Years
	4			
	5			

8	Area of Specializations:	**Power electronics and Machine Drives**
9	Subjects teaching at Under Graduate Level:	**Power electronics, Analog and Digital Electronics, Electrical Circuit Analysis**
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals : 0
		International Journals : 1
		Conferences : 0

	Published in International Journal	
	1	
	2	Ambient Energy, Feb2020, "Regenerative energy fed to the grid by DC–AC converter during deceleration for direct torque control of induction motor drive"
	3	
	4	

	Published in National Journal	
	5	-
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	--		
	Title		Publisher	Year
17	Training:			
	1	Online training for e-content development ‘UDAYAM’ sponsored by KCG and CTE, GANDHINAGAR 28-07-2020 to 8-8-2020		
	2	“National Accreditation for Teaching in Engineering(NATE)” by Online SWAYAM portal, NPTEL, January to April 2020.		
	3	“Intellectual property Rights” by KCG Ahmedabad and CTE, GANDHINAGAR , 6-7-2020 to 14-09-2020		
	4			
	5			
18	Seminar:			
	1	Live webinar on "Recent developments in solar based Renewable energy system" by well known Prof. (Dr.) Frede Blaabjerg., 20-10-2020		
	2			
19	Membership:	-		

Electronics and Communication Engineering Department

- Number of faculty employed and left during the last three years(2018-2019,2019-20,2020-2021)

YEAR	NON TEACHING (JOIN)	TEACHING (JOIN)	NON TEACHING (Left/Transferred)	TEACHING (Left/Transferred)
2018-19	01	00	00	03
2019-20	00	00	00	00
2020-21	00	00	00	00

Permanent Faculty

Sr. No.	Name	Post	Appointment is approved by university **[Letter Number]**
	Branch: Electronics and Communication Engineering		
1. 1	Prof. S.D.Joshi	Head & Associate Professor	Education Dept. Notification No:GEC-112015-715-GH, Dated:25/05/2015
2. 2	Prof. K.K.PATEL	Assistant Professor	CTE Appointment Order No જીઈસી/નિમણુંક/સ.પ્રા.ઈ.સી./૨૦૧૧ /ધ-૨/૧૩૨૮૮ Dated :30/04/2011
3. 3	Prof. H.L.Judal	Assistant Professor	CTE Appointment Order No જીઈસી/નિમણુંક/સ.પ્રા.ઈ.સી./૨૦૧૧ /ધ-૨/૧૩૨૮૮ Dated :30/04/2011
4. 4	Prof .H.D.Nayak	Assistant Professor	CTE Appointment Order No જીઈસી/નિમણુંક/સ.પ્રા.ઈ.સી./૨૦૧૧ /ધ-૨/૧૩૨૮૮ Dated :30/04/2011
5. 5	Prof. Mihir.M.Patel	Assistant Professor	DTE Appointment Order No જીઈસી/સી.ભ./સહા.પ્રા./ઈ.સી./૨૦૧૭ /ધ-૨/૧૪૫૩૭ Dated :12/07/2017
6. 6	Prof. Maulik.B.Patel	Assistant Professor	DTE Appointment Order No જીઈસી/સી.ભ./સહા.પ્રા./ઈ.સી./૨૦૧૭ /ધ-૨/ ૧૩૧૫૫ Dated :18/08/2017
7.	Prof. J.C.Prajapati	Assistant Professor	DTE Appointment Order No જીઈસી/સી.ભ./સહા.પ્રા./ઈ.સી./૨૦૧૭ /ધ-૨/૧૪૫૩૭ Dated :12/07/2017
8.	Prof. S.A. Pankhaniya	Assistant Professor	DTE Appointment Order No જીઈસી/સી.ભ./સહા.પ્રા./ઈ.સી./૨૦૧૭ /ધ-૨/૧૪૫૩૭ Dated :12/07/2017
9.	Prof. Mehul.L.Patel	Assistant Professor	DTE Appointment Order No જીઈસી/સી.ભ./સહા.પ્રા./ઈ.સી./૨૦૧૭ /ધ-૨/૧૪૫૩૭ Dated :12/07/2017
10.	Prof. R.A.Chaudhari	Assistant Professor	DTE Appointment Order No જીઈસી/સી.ભ./સહા.પ્રા./ઈ.સી./૨૦૧૭ /ધ-૨/૧૩૧૫૫ Dated :18/08/2017
11.	Mr. L. P. Patel	Technician	

Adhoc Faculty

Sr. No.	Name	Post	Appointment is approved by university	Remarks
	Branch: Electronics and Communication Engineering			
1	Prof. Y. R.Ganvit	Assistant Professor		CTE/2013/ENGINEERING COLLEGE/CONTRACT RECRUTEMENT /4180

Permanent faculty student ratio: 1: 12.9

Faculty Profile:

1	**Name:**	Mr. Sanjaykumar D. Joshi		
2	Post:	Associate Professor		
3	Date of Birth :	19/12/1974		
4	Email:	sdjoshi_74@yahoo.co.in		
5	Webpage:			
6	Educational Qualification:	M.E. CSE.		
7	Work Experience:	Teaching: 24 years 3 months		
		Research: 0		
		Industry: 0		
		Others : 0		
	S.No.	Institute	Period	Experience
	1	Govt.Polytechnic, Palanpur (Ad hock Lecture)	From 14th Feb 1997 to 13th Dec 2000.	3 years 10 months
	2	Govt.Engg.College, Modasa (Assistant Prof.)	From 14th Dec 2000 to 1st Aug 2008.	7 years 7 Months 19 Days
	3	L.D.C.E., Ahmedabad. (Assistant Prof.)	From 2nd Aug 2008 to 2nd Mar 2009.	7 Months
	4	V.G.E.C., Ahmedabad. (Associate Prof.)	From 3rd Mar 2009 to 27th May 2015	6 Year 2 Months 24 Days
	5	G.E.C., Patan. (Associate Prof.)	From 28th May 2015 to Till Date	5 Years 11 Months 11 Days
8	Area of Specializations:	Image Processing		
9	Subjects teaching at Under Graduate Level:	Image Processing Embedded Systems Microprocessor/Microcontroller Interfacing Microprocessor And Microcontroller Advanced Microprocessor.		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals :		
		International Journals :		
		Conferences :		
	Published in International Journal			
	1			

	Published in National Journal	
	5	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year

17	Training :			
	1	FDP on “Computer Science” from 05-05-2003 TO 17-05-2003 at BBIT, VV Nagar		
	2	FDP on “Embedded Systems” from 16-11-2009 TO 28-11-2009 at DDU,Nadiad		
	3	FDP on “Emerging Research Trends In Computational Intelligence:Theory and Application” from 16-11-2009 TO 28-11-2009 at DDU,Nadiad		
	4	FDP on “Machine Learning and Deep Learning Fundamentals” from 16-12-2019 TO 20-12-2019 at GTU, Chandkheda		
	5	FDP on “Entrepreneurship development” from 17-12-2018 TO 21-12-2018 at EDII, G'Nagar		
	6	FDP on “Emerging Research Trends In Computational Intelligence:Theory and Application” from 16-11-2009 TO 28-11-2009 at DDU,Nadiad		
	7	FDP on “Recent Trends in Digital Signal & Image Proce.” from 24-06-2008 TO 01-07-2008 at Kherva		
	8	FDP on “Microcontrollers and its Applications” from 08-12-2003 TO 19-12-2003 at GP, G'Nagar		
	9	FDP on “Research Opportunities in VLSI and Signal Processing” from 11-02-2019 TO 16-02-2019 at VGEC,Chandkheda,Gandhinagar		
	10	FDP on “Recent Advances in RF and Microwave Engineering” from 21-11-2016 TO 25-11-2016 at LDCE		
	11	FDP on “Analog CMOS Integrated Circuit” from 06-06-2016 TO 18-06-2016 at IIT Gandhinagar		
	12	FDP on “Video and Image Analysis: Fundamentals and Advances” from 30-05-2016 TO 04-06-2016 at NIT, GOA		
	13	FDP on “Management Capacity Enhancement Program” from 16-07-2015 TO 22-07-2015 at IIM,Indore		
	14	FDP on “Designing Embedded System” from 11-05-2015 TO 15-05-2015 at VGEC		
	15	FDP on “Train the Trainer, Staff Development Program” from 24-11-2008 TO 06-12-2008 at VGEC		
	16	FDP on “Digital Design using FPGAs & CPLDs” from 06-12-2004 TO 18-12-2004 at NIRMA Uni.		
	17	FDP on “Enhancing Skills of Engineering Faculty” from 28-06-2004 TO 10-07-2004 at NIRMA Uni.		
	18	FDP on “Bio-Medical Engineering” from 30-12-2002 TO 10-01-2003 at NIRMA Uni.		
	19	“UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning)” E-Content Development Course From 28/07/2020 To 18/08/2020 on Online (Knowledge Consortium of Gujarat & HRDC, Gujarat University)		
	20	“Intellectual Property Rights” From 07/06/2020 to 14/09/2020 on MS Team (DTE & GKS & iHub)		
18	Seminar:			
	1			
	2			
19	Membership:	**1. Life Member of ISTE** (Indian Society for Technical Education). Membership Number: LM 35982		

Faculty Profile:

1	**Name:**	Mr. Kalpeshkumar K. Patel
2	Post:	Assistant Professor
3	Date of Birth :	23/11/1986
4	Email:	kkgecp@gmail.com
5	Webpage:	
6	Educational Qualification:	M.Tech. Communication Engineering
7	Work Experience:	Teaching: 13 years
		Research:
		Industry:
		Others

	S.No.	Institute	Period	Experience
	1	L.C.I.T, Bhandu (Ad hock Lecture)	From 1st August 2008 to 18th October 2008.	2 Months 18 Days
	2	S. P. B. Patel Engg. College, Dholasan, Mehasana (Lecture)	From 19th October 2008 to 3rd August 2010.	1 Year 9 Months 16 Days
	3	S. R. Patel Engg. College, Dabhi, Unjha (Assistant Professor)	From 4th August 2010 to 12th May 2011.	9 Months 8 Days
	4	GEC, Patan (Assistant Professor)	From 13th May 2011 to Till Date	10 Years

8	Area of Specializations:	Communication Engineering
9	Subjects teaching at Under Graduate Level:	Signals and Systems Digital Signal Processing Digital Communication Circuits and Network Control Theory Microcontroller
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals :
		International Journals :
		Conferences : 01
	Published in International Journal	
	1	

	Published in National Journal	
	1	

12	Projects Carried out:	-----

13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training :			
	1	"UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning)" E-Content Development Course From 28/07/2020 To 18/08/2020 on Online (Knowledge Consortium of Gujarat & HRDC, Gujarat University)		
	2	"Intellectual Property Rights" From 07/06/2020 to 14/09/2020 on MS Team (DTE & GKS & iHub)		
	3	"The Art of Compact Modeling" From 12/05/2014 to 21/05/2014 at IIT, Gandhinagar.		
	4	"Managing Multiple Perspectives in Institutional Development" from 25/03/2014 to 27/03/2014 at IIM, Ahmedabad.		
	5	"Karmayogi Residential Training for Quality Improvement Program in Technical Education" from 06/02/2014 to 08/02/2014 at Swaminarayan Dham, Gandhinagar.		
	6	"Nanoscale Integration, Fabrication and Characterization" from 21/11/2013 to 25/11/2013.		
	7	"Induction Phase – 1" from 13/05/2013 to 24/05/2013 at K. D. Polytechnic, Patan.		
18	Seminar:			
	1			
	2			
19	Membership:			

Faculty Profile:

1	Name:	Judal Hareshkumar Laxmanbhai		
2	Post:	Assistant Professor(E&C Engineering)		
3	Date of Birth :	04/05/1982		
4	Email:	haresh_judal@yahoo.co.in		
5	Webpage:	-		
6	Educational Qualification:	M.E.(Communication systems Engineering) B.E.(E&C)		
7	Work Experience:	Teaching: 15 Year		
		Research: -		
		Industry: -		
		Others -		
	Sr. No.	Institute	Period	Experience
	1	L.C. Institute of Technology, Bhandu	19-05-2006 to 30-11-2010	4 Year 6 Month
	2	L.C. Institute of Technology, Bhandu	01-12-2010 to 26-05-2011	6 Month
	3	Government Engineering College Patan	27-05-2011 to Continue..	10 Year
8	Area of Specializations:	Communication systems Engineering		
9	Subjects teaching at Under Graduate Level:	Digital Communication Wireless Communication Digital Signal Processing		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals : 1		
		International Journals : 3		
		Conferences :3		
	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	-----		
17	Training			

	Sr. No.	**Title of Training**	**Start date**	**End date**	**Training Venue**
	1	3G-4G Technology	30-09-2013	04-10-2013	SVNIT Surat
	2	Workshop on MIS Conducted by the NPIU for TEQIP-II	09-10-2013	10-10-2013	Institute of Chemical technology

					Mumbai
	3	Karmayogi Residential training for Quality Improvement in Technical Education	17-01-2014	19-01-2014	Swaminarayan Dham, Gandhinagar
	4	Induction Training Programme Phase-I	20-01-2014	31-01-2014	NITTTR Ahmedabad
	5	Computational Methods in Engineering using MATLAB	21-03-2014	22-03-2014	IIT Gandhinagar
	6	MATLAB Programming	04-08-2014	08-08-2014	NITTTR Bhopal
	7	Induction Training Programme Phase-II	15-09-2014	26-09-2014	NITTTR Ahmedabad
	8	MIMO Wireless Communications: Fundamentals and Advancements	06-07-2015	11-07-2015	IIT Delhi
	9	Emerging Technologies in Mobile Communication	02-05-2016	07-05-2016	NIT Goa
	10	Wireless and Mobile Communication	07-11-2016	11-11-2016	NITTTR Bhopal
	11	Signal Processing for 5G Massive MIMO Wireless Systems	28-01-2017	30-01-2017	IIT Kanpur
	12	LaTex for Academic Writing	20-03-2017	24-03-2017	GEC Patan
	13	i-FDP -International Faculty Development Program	10-03-17, 14-03-17, 27-03-17	10-03-17, 14-03-17, 27-03-17	GEC Patan & Mahatma Mandir
	14	Advanced Wireless Communication using USRP/GNU Radio	16-08-2017	20-08-2017	Ahmedabad University
	15	Future wireless communication system: Theory & Practice on WiCOMM Trainer & SDR Kit	22-01-2018	23-01-2018	GEC Gandhinagar
	16	Advanced 5G Wireless Communications: Performance Analysis and Monte-Carlo Simulations	18-06-2018	23-06-2018	Ahmedabad University
	17	5G Communications	07-12-2018	08-12-2018	DAIICT
	18	Evolution of Air Interface Towards 5G	25-02-2019	19-04-2019	MOOC NPTEL
	19	COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR)"	06-07-2020	14-09-2020	GKS online IPR FDP
18	Seminar:	--			
19	Membership:	**1. Life Member of IETE** Membership Number: M237641 **2. Life Member of ISTE** Membership Number:LM49722			

Faculty Profile:

1	**Name:**	Mr. Himanshukumar D. Nayak		
2	Post:	Assistant Professor		
3	Date of Birth :	30/06/1981		
4	Email:	himanshu_mecse@yahoo.co.in		
5	Webpage:			
6	Educational Qualification:	Ph.D Pursuing M.E. Communication System Engg.		
7	Work Experience:	Teaching: 16 years		
		Research:		
		Industry:		
		Others		
	S.No.	Institute	Period	Experience
	1	L.C.I.T, Bhandu (Lecture)	From 1st July 2005 to 17th August 2009	4 Year 1 Months 17 Days
	2	L.C.I.T, Bhandu (Assistant Professor/HOD)	From 18th August 2009 to 26th May 2011	1 Years 10 Months 12 Days
	3	GEC, Godhra (Assistant Professor)	From 27h May 2011 to 18th Feb 2015	3 Years 11 Months
	4	GEC, Patan (Assistant Professor)	From 19th Feb 2015 to Till Date	6 Years 2 Months
8	Area of Specializations:	Communication System		
9	Subjects teaching at Under Graduate Level:	Radar and Navigation Aids Digital Electronics Analog and Digital Communication. Basic Electronics Computer Network Professional Ethics.		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals :		
		International Journals :		
		Conferences :		
	Published in International Journal			
	1			

	Published in National Journal	
	5	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training :			
	1	STTP on MANAGEMENT OF CHANGE AND INNOVATION from 2016-07-11 TO 2016-07-15 at NITTTR,BHOPAL.		
	2	FDP on ANALOG AND DIGITAL CIRCUIT &TESTING USING MULTISIM from 2014-02-03 TO 2014-02-07 at NITTTR,BHOPAL.		
	3	Induction Phase-I from 2012-02-13 TO 2012-02-24 at NITTTR EXTENSION CENTER, AHMEDABAD.		
	4	Induction Phase-II from 2014-09-15 TO 2014-09-26 at NITTTR EXTENSION CENTER, AHMEDABAD.		
	5	"UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning)" E-Content Development Course From 28/07/2020 To 18/08/2020 on Online (Knowledge Consortium of Gujarat & HRDC, Gujarat University)		
	6	"Intellectual Property Rights" From 07/06/2020 to 14/09/2020 on MS Team (DTE & GKS & iHub)		
18	Seminar:			
	1			
	2			
19	Membership:	**1. Life Member of IETE** (Institute of Electronics and Telecommunication Engineers). Membership Number: M 221176 **2. Life Member of ISTE** (Indian Society for Technical Education). Membership Number: LM 46099		

Faculty Profile:

1	**Name:**	Mr. Mihirkumar M. Patel		
2	Post:	Assistant Professor		
3	Date of Birth :	01/06/1989		
4	Email:	mihir.nirmaec10@gmail.com		
5	Webpage:			
6	Educational Qualification:	M.Tech (EC) Communication Engineering.		
7	Work Experience:	Teaching: 4 years		
		Research:		
		Industry:		
		Others		
	S.No.	Institute	Period	Experience
	1	GEC, Patan (Assistant Professor)	From 13th July 2017 to Till Date	3 Years 10 Months
8	Area of Specializations:	Communication Engineering		
9	Subjects teaching at Under Graduate Level:	Electromagnetic Theory Satellite Communication Basic Electronics Principal of management Signal and System.		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals :		
		International Journals :		
		Conferences :		
	Published in International Journal			
	1			

	Published in National Journal	
	5	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year

17	Training :			
	1	FDP on “Spectrum of Electronics and Communication Engineering and Emerging Technologies” from 16/04/2018 to 27/04/2018 at GEC, Patan		
	2	Induction Phase-I From 23/07/2018 To 03/08/2018 at NITTTR Bhopal		
	3	Induction Phase-II From 30/12/2019 To 10/01/2020 at NITTTR Regional centre, Ahmedabad.		
	4	“UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning)” E-Content Development Course From 28/07/2020 To 18/08/2020 on Online (Knowledge Consortium of Gujarat & HRDC, Gujarat University)		
	5	“Intellectual Property Rights” From 07/06/2020 to 14/09/2020 on MS Team (DTE & GKS & iHub)		
	6	“ Nurturing Innovation and Startup Ecosystem(NISE)” from 08/09/2020 to 24/10/2020 on MS Team (DTE & GKS & iHub)		
18	Seminar:			
	1			
	2			
19	Membership:			

Faculty Profile:

1	**Name:**	Mr. Maulikkumar B. Patel		
2	Post:	Assistant Professor		
3	Date of Birth :	14/09/1985		
4	Email:	mbpatel.gec@gmail.com		
5	Webpage:			
6	Educational Qualification:	Ph.D (LNA @ Microwave Engineering) M.Tech (Microwave and Millimeter)		
7	Work Experience:	Teaching: 07 years		
		Research:		
		Industry:		
		Others		
	S.No.	Institute	Period	Experience
	1	L.C.I.T, Bhandu (Lecturer)	From 23rd August 2008 to 30th January 2009.	1 Year 2 Months 8 Days
	2	SSSRGI,Vadasma (Assistant Professor)	From 28th June 2013 to 30th November 2014.	1 Year 5 Months 3 Days
	3	Department of Physics HNGU, Patan (Visiting Assistant Professor)	From 1st December 2014 to 30th November 2015.	1 Year 0 Months 0 Days
	4	GEC, Patan (Assistant Professor)	From 5th September 2017 to Till Date	3 Years 9 Months
8	Area of Specializations:	Microwave and Millimeter		
9	Subjects teaching at Under Graduate Level:	Microwave Theory and Techniques Antenna and Wave Propagation Electronics Communication Basic Electronics Integrated Personality Development Course Professional Ethics.		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals :		
		International Journals :		
		Conferences :		
	Published in International Journal			
	1			

	Published in National Journal	
	5	

12	Projects Carried out:	-----
13	Nos. of consultancy project:	-----
14	Patents:	-----

15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training :			
	1	FDP on “Student Induction Program by AICTE” from 30/6/2018 to 6/7/2018 ,GTU.		
	2	FDP on “Beyond the classroom toward excellence” from 27/07/2018 to 2/8/2018 at IITE, Gandhinagar		
	3	Induction Phase-I From 28/01/2019 To 8/02/2019 at NITTTR Bhopal.		
	4	Induction Phase-II From 03/02/2020 To 14/02/2020 at NITTTR Regional Center, Ahmedabad		
	5	“UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning)” E-Content Development Course From 28/07/2020 To 18/08/2020 on Online (Knowledge Consortium of Gujarat & HRDC, Gujarat University)		
	6	“Intellectual Property Rights” From 07/06/2020 to 14/09/2020 on MS Team (DTE & GKS & iHub)		
	7	FDP on “Inculcating Universal Human Values in Technical Education” from 22/3/2021 to 26/3 /2021 online (AICTE)		
18	Seminar:			
	1			
	2			
19	Membership:			

Faculty Profile:

1	**Name:**	Mr. Jayeshkumar Chelabhai Prajapati		
2	Post:	Assistant Professor		
3	Date of Birth :	06/02/1977		
4	Email:	Jcp.nitk@gmail.com		
5	Webpage:			
6	Educational Qualification:	Ph.D M.Tech (Communication Engineering) B.E. (E.C)		
7	Work Experience:	Teaching: 21 years		
		Research:		
		Industry:		
		Others 1 Year Graduate Apprenticeship at ISRO, SAC, Ahmadabad		
	S.No.	**Institute**	**Period**	**Experience**
	1	U.V.Patel College of Engineering, Ganpat University, Kherva (Lecture & Assistant Professor)	From 26/06/2000 to 14/11/2016	16 Years 5 months
	2	Government Polytechnic, Vadnagar (Lecture)	From 15/11/2016 to 12/07/20217	8 Months
	3	GEC, Patan (Assistant Professor)	From 13/07/20217 to Till Date	3 Years 10 Months
8	Area of Specializations:	Microwave Photonics, Optical communication		
9	Subjects teaching at Under Graduate Level:	Microwave Engineering Radar and Navigational Aids Optical communication Antenna engineering Analog and Digital Communication Control systems Engineering ,EMMI Digital Electronics ,Basic Electronics		
10	Post Graduate Level:	Advanced Microwave Engineering (GNU-Kherva)		
11	Research guidance:	Master's Degree : 08		
		Ph.D.: 00		
12	No. of Research papers published: **09**	National Journals :		
		International Journals : 04		
		International Conferences : 05		
	Published in International Journal			
	1	08		
	Published in National Journal			
	5	01		
12	Projects Carried out:	-----00		
13	Nos. of consultancy project:	-----00		
14	Patents:	-----00		
15	Technology Transfer	-----00		
16	No. of Books			

	published with details:	Book Chapter		
	Title		Publisher	Year
	--		--	--
17	Training :			
	1	**Spectrum of Electronics and Communication Engineering and Emerging Technologies** From 16/04/2018 to 27/04/2018 through Video Conference at GEC Patan.		
	2	**Faculty Development Program for Student Induction (FDP-SI)** from 5/6/2018 to 7/6/2018 at Ganpat University Ganpat Vidyanagar, Kherva organized by AICTE.		
	3	**Induction Phase-I** From 25/06/2018 To 06/07/2018 at NITTTR, Bhopal.(DTE)		
	4	**Induction Phase-II** From 03/09/2018 To 14/09/2018 at NITTTR, Regional center Ahmadabad. .(DTE)		
	5	**Satellite and Mobile Communication** (EE-9) From 24/02/2020 TO 28/02/2020 at NITTTR, Bhopal. .(DTE)		
	6	**Block Chain Technology and Crypto Currency** (GECP_20_1) from 19/10/2020 TO 23/10/2020 at GEC Patan through online mode.(ATAL-AICTE)		
	7	"**UDAYAM** (Unlimited Digital Advanced Yearlong Academic Method of Learning)" E-Content Development Course From 28/07/2020 To 18/08/2020 on Online (Knowledge Consortium of Gujarat & HRDC, Gujarat University)		
	8	"**Intellectual Property Rights**" From 07/06/2020 to 14/09/2020 on MS Team (DTE & GKS & I Hub)		
	9	**Microwave Integrated Circuits** (noc21-ee34) MOOC by Indian Institute of Technology (IIT), Mumbai from 18/01/2021 TO 12/03/2021		
	10	**Futuristic Innovations on Solar Energy Technologies** (GECP_20_2) GUJCOST-DST Sponsored online mode training from 08/02/2021 TO 12/02/2021 at GEC Patan.		
18	Seminar:			
	1			
19	Membership:	**1. Life Member of ISTE** (Indian Society for Technical Education). Membership Number: LM 34300		

Faculty Profile:

1	**Name:**	Mr. Shyamkumar Amrutlal Pankhaniya		
2	Post:	Assistant Professor		
3	Date of Birth :	17/06/1987		
4	Email:	shyamec08@gmail.com		
5	Webpage:			
6	Educational Qualification:	M.E.E.C(Signal processing and VLSI technology)		
7	Work Experience:	Teaching: 9 years		
		Research:		
		Industry: 9 month		
		Others		
	S.No.	Institute	Period	Experience
	1	Systronics Telerad Pvt.Ltd., Ahmedabad (Testing Enginee)	July 2008 to April 2009	9 Months
	2	RK University, Rajkot (Assistant Professor)	June 2012 to Febuary 2017	4 Year 7 Months
	3	GEC, Patan (Assistant Professor)	From 14th July 2017 to Till Date	3 Years 10 Months
8	Area of Specializations:	Signal Processing and VLSI Technology		
9	Subjects teaching at Under Graduate Level:	Python Programming Digital Electronics Microcontroller and microprocessor Advanced microcontroller Embedded system		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals :		
		International Journals :		
		Conferences :		
	Published in International Journal			
	1			

	Published in National Journal	
	5	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training :			
	1	FDP on "Beyond the classroom toward excellence" from 06/08/2018 to 11/08/2018 at IITE, Gandhinagar		
	2	Induction Phase-I From 24/06/2019 To 05/07/2019 at NITTTR		

		Regional Center, Ahmedabad
	3	Induction Phase-II From 02/03/2020 To 13/03/2020 at NITTTR Regional Center, Ahmedabad
	4	"UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning)" E-Content Development Course From 28/07/2020 To 18/08/2020 on Online (Knowledge Consortium of Gujarat & HRDC, Gujarat University)
	5	"Intellectual Property Rights" From 07/06/2020 to 14/09/2020 on MS Team (DTE & GKS & iHub)
	6	"Advanced Research Methodology & Analytics (ARMA-2021)" From 22/03/2021 to 26/03/2021on (MS team, Google meet)
18	Seminar:	
	1	
	2	
19	Membership:	

Faculty Profile:

1	**Name:**	Mr. Mehulkumar L. Patel
2	Post:	Assistant Professor
3	Date of Birth :	05/05/1979
4	Email:	Mehul.ec02@gmail.com
5	Webpage:	---

6	Educational Qualification:	Ph.D Pursuing M.Tech VLSI Design.		
7	Work Experience:	Teaching: 18 years 4 Months		
		Research:		
		Industry:		
		Others		
	S.No.	Institute	Period	Experience
	1	S.S.P.C, Visnagar (Ad hock Lecture)	From July 2002 to 30th April 2004.	1 Year and 7 Months
	3	L.C.I.T, Bhandu (Ad hock Lecture /Lecture/ Assistant Professor/HOD)	From May 2005 to 22 August 2008.	11 Years
	5	F.O.T, M.E.F.G.I, Rajkot (Senior Assistant Professor)	From July 2015 to May 2017	1 Year 11 Months
	6	GEC, Patan (Assistant Professor)	From July 2017 to Till Date	3 Years 10 Months
8	Area of Specializations:	VLSI Design		
9	Subjects teaching at Under Graduate Level:	VLSI Design Digital Electronics Audio Video System Basic Electronics Computer Network Professional Ethics.		
10	Post Graduate Level:	VLSI & Technology		
11	Research guidance:	Master's Degree : 06		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals : 01		
		International Journals :		
		Conferences :		
	Published in International Journal			
	1	00		

	Published in National Journal	
	5	10

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	---		
	Title		Publisher	Year
17	Training :			
	1	FDP on "Beyond the classroom toward excellence" from 09/05/2018 to 09/10/2018 at IITE, Gandhinagar		
	2	Induction Phase-I From 01/07/2019 To 18/01/2019 at NITTTR Regional Center, Ahmedabad		
	3	"Microelectronics: Devices to Circuits (noc19-ee54)" From 29/07/2019 to 18/10/2019 on MOOC Online (NPTL)		

	4	"CMOS Digital VLSI Design (noc20-ee29)" From 27/01/2020 to 20/03/2020 on MOOC Online (NPTL)
	5	"UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning)" E-Content Development Course From 28/07/2020 To 18/08/2020 on Online (Knowledge Consortium of Gujarat & HRDC, Gujarat University)
	6	"Intellectual Property Rights" From 07/06/2020 to 14/09/2020 on MS Team (DTE & GKS & iHub)
18	Seminar :	
	1	
19	Membership:	**1. Life Member of IETE** (Institute of Electronics and Telecommunication Engineers). Membership Number: M 221178 **2. Life Member of ISTE** (Indian Society for Technical Education). Membership Number: LM 46100

Faculty Profile:

1	**Name:**	Ms. Chaudhari Roshniben A
2	Post:	Assistant Professor
3	Date of Birth :	27/08/1990
4	Email:	roshnigecp@gmail.com
5	Webpage:	
6	Educational Qualification:	M.E in Signal Processing and Communication
7	Work Experience:	Teaching: 05 years
		Research:
		Industry:

		Others		
	S.No.	Institute	Period	Experience
	1	A.D.I.T , New V.V.Nagar (Assistant Professor)	From 1st July 2013 to 4th August 2015.	2 Years
	2	GEC, Patan (Assistant Professor)	From 19th August 2017 to Till Date	3 Years 08 Months
8	Area of Specializations:	Signal Processing and Communication		
9	Subjects teaching at Under Graduate Level:	Digital Image Processing Power Electronics System Engineering Digital Electronics Basic Electronics Professional Ethics.		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals : 02		
		International Journals : 01		
		Conferences :		
	Published in International Journal			

	Published in National Journal	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training :			
	1	FDP on "Electromagnetics, Microwave, RF and Antenna Design using Ansys HFSS Tool flow" from 4th – 9th June 2018 at BVM Engineering College, Vallabh Vidyanagar.		
	2	Induction Phase-I From 12/10/2020 To 23/10/2020 at NITTTR Regional Center, Bhopal (Online)		
	3	FDP on "Blockchain Technology and its application in Internet of things" from 7th – 11th December 2020 at SVNIT,Surat (Online)		
	4	"UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning)" E-Content Development Course From 28/07/2020 To 18/08/2020 on Online (Knowledge Consortium of Gujarat & HRDC, Gujarat University)		
	5	"Intellectual Property Rights" From 07/06/2020 to 14/09/2020 on MS Team (DTE & GKS & iHub)		
18	Seminar:			
	1			
	2			

19	Membership:	

Faculty Profile:

1	**Name:**	Mr.Yogeshkumar R.Ganvit
2	Post:	Assistant Professor
3	Date of Birth :	22/11/1987
4	Email:	yganvit@gmail.com
5	Webpage:	
6	Educational Qualification:	M.E. in Electronics & Communication
7	Work Experience:	Teaching: 8 years
		Research:
		Industry:
		Others

	Sr.No.	Institute	Period	Experience
	1	GEC, Patan (Assistant Professor)	From 4th March 2013 to Till Date	8 Years 2 Months

8	Area of Specializations:	Electronics & Communication
9	Subjects teaching at Under Graduate Level:	Basic Electronics Sensors and Transducer Professional Ethics.
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals :
		International Journals :
		Conferences :
	Published in International Journal	
	1	

	Published in National Journal	
	5	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:			
	Title		Publisher	Year
17	Training :			
	1			
	2			
	3			
	4			
	5			
	6			
18	Seminar:			
	1			
	2			
19	Membership:			

Civil Engineering Department

- Number of faculty employed and left during the last three years(2018-2019,2019-20,2020-2021)

YEAR	NON TEACHING (JOIN)	TEACHING (JOIN)	NON TEACHING (Left/Transferred)	TEACHING (Left/Transferred)
2018-19	0	0	0	0
2019-20	0	0	0	0
2020-21	0	0	0	0

Permanent Faculty

Sr. No.	Name	Post	Appointmentis approved by university**[Letter Number]**
	Branch: Civil Engineering		
1	Dr. Dipak Jethalal Varia	Assistant Professor	જીઈસી/એપ્લાઇડ/સીધી ભરતી/૨૦૦૪/ધ.૧/૪૪૩૨૪ તા: 24/9/2004
2	Prof.Vipul.D.Patel	Assistant Professor	LetterNo.GEC/Appointment/Asst. Prof. Civil/2011/GH-1/12314 Dt.21/04/2011.
3	Prof. Pareshkumar N. Nimodiya	Assistant Professor	Letter No. જીઈસી/નિમાણુંક/સહા.પ્રા.એપ્લા.મીકે./૨૦૧૧/ધ-૧/૧૨૩૭૯ તા.૨૧-૦૪-૨૦૧૧
4	Shri. H. R. Trivedi	Assistant Professor	Letter No.GEC/Appointment/Asst. Prof. Applied/2011/GH-1/12379 Dt. 21/04/2011
5	Dr. Jigneshkumar M Patel	Assistant Professor	LetterNo.GEC/SI. BH./Asst. Prof./Applied Mechanics/2016/GH-1/13742Dt.25/05/2016
6	Dr. Vijendrakumar M Patel	AssistantProfessor	LetterNo.GEC/SI.BH./Asst.Prof./Civil/2017/GH-1/6396Dt.23/03/2017
7	Dr. Manjurali I. Balya	Assistant Professor	LetterNo.GEC/SI. BH./Asst. Prof./Civil/2017/GH-1/13561 Dt.29/06/2017

Permanent faculty student ratio: 1: 42.7

Faculty Profile:

1	**Name:**	**Dr. Dipak Jethalal Varia**
2	Post:	Assistant Professor Applied Mechanics
3	Date of Birth :	**10/05/1972**
4	Email:	djvaria@gmail.com
5	Webpage:	----
6	Educational Qualification:	**Ph.D. (Civil Engineering)**
7	Work Experience:	Teaching: 21
		Research: 11
		Industry: 3
		Others: 0

	S.No.	Institute	Period	Experience
	1	Government Engineering College, Katpur, Patan	27/10/2016- To Tll Date	4 Years6 Months .
	2	Government Engineering College, Palanpur	**01-07-2015 To 26-10-2016**	1 year 4 months
	3	Government Engineering College, Katpur, Patan	**03-06-2005 To 30-06-2015**	10 Years 1 Months
		L.E.College, Morbi.	**15-10-2004 To 02-06-2005**	0 years 8 months
		K.D.Polytechnic, Patan.	**06-01-2001 To 14-10-2004**	3 years 10 months

8	Area of Specializations:	**Structural engineering (Civil Engg.)**
9	Subjects teaching at Under Graduate Level:	Mechanics of solids(3130608); StructureAnalysis-1 (3140603);Design of structures (3150612);StructureAnalysis-2 (3150614); Disaster management (3150913); Design of reinforced concrete structures (3160612); Earthquake engg. (3160621);Repairs and rehabilitation (2180607),Design of steel structures(2180610)
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree :8 achieved degrees currently giding:02
		Ph.D.: 01
12	No. of Research papers published:	National Journals : 00
		International Journals :20
		Conferences :7
	Published in International Journal	

	1	**Parametric study of An Innovative Approximate Method of Continuous Beam**Dipak .J.Varia and Dr.H.S.Patel: **Paper published in International Journal Of Engineering Development And Research,IJEDR-Vol-1,Issue-2,p.69-73.**
	2	**Analysis of Statically Indeterminate Beams using An Innovative Approximate Method** Dipak .J.Varia and Dr.H.S.Patel**International Journal on Recent and Innovation Trends in Computing and Communication, Volume:3,Issue2, p.11-13.**
	3	**Comparision Between Traditional And Modern Curing.** Dipak .J.Varia,V.K.Mistry and M.N.Prajapati: **International Journal of EmergingmTechnologies And Applications In Engineering,Technology and Sciences(IJ-ETA-ETS), Special issue, p.131-135.**
	4	**Comparative Study Of Classical Method And Relative Deformation Coefficient Approach For Continuous Beam Analysis** Dipak .J.Varia and Dr.H.S.Patel. **International Journal of Civil Engineering and Technology(IJCIET), Volume:6,Issue11, p.164-172.**
	5	**A Novel Approximate Method For Analysis Of High-Rise Building Frames** Dipak .J.Varia and Dr.H.S.Patel:**International Journal of Scientific Research In Science,Engineering And Technology(IJSRSET), Volume:1,Issue 6, p.173-176.**
	6	**Suitability Of Concrete Using Cupola Slag As Replacement Of Coarse Aggregate.** Vishwas Mistry,Prof,B.R.Patel and Prof. .D.J.Varia:**International Journal of Scientific &Engineering Research(IJSER), Volume:7,Issue 2, p.1182-1186.**
	7	**An innovative approximate method for analysis of multi-storey building frames for vertical loads.** Dipak .J.Varia and Dr.H.S.Patel:**Journal Of Structural Engineering(JOSE),Volume:43,Issue 2, p.227-232**
	8	**Self compacting concrete using steatite powder and quarry dust- a review** Mr. AkshaykumarB.Patel, and Prof Dipak.J.Varia:**International journal for science and advance research in technology(IJSART), Volume:3,Issue 3, p.372-374**
	9	**Comparative Study on Effect of Nanomaterials As Cement Replacement on Properties of Concrete** Mr. Vilay.K.Patel , Prof.Dipak.J.Varia:**International journal for science and advance research in technology(IJSART), Volume:3,Issue 4, p.1076-1081**
	10	**Study On Strength and Behavior of Self Compacting Concrete Using Quarry Dust and Steatite Powder** Mr. AkshaykumarB.Patel, and Prof Dipak.J.Varia:**International journal for science and advance research in technology(IJSART), Volume:3,Issue 5, p.547-550**
	11	**Review on Effect on Concrete by partial Replacement of Cement by Silica Fume with using the Addition of Composite fibres** Parth R. Patel Dr.DipakJ.Varia:**International Journal For Research in Applied Science & Engineering Technology(IJRASET),Volume:6,Issue:2,p.613-618**

	12	**EXPERIMENTAL STUDY ON EFFECT OF SILICA FUME AS PARTIAL REPLACEMENT OF CEMENT IN CONCRETE WITH USING THE ADDITION OF HYBRID FIBER** Parth R. Patel Dr.DipakJ.Varia:**International Journal of Creative Research Thoughts (IJCRT)Volume:6,Issue:2,p.1908-1913**
	13	**Review on Comparative Study by Using Nano CaCo3 and Nano Fe2O3 in Fly Ash Containing Concrete** Dixit B.PatelDr.DipakJ.Varia Dr. K.G.Mehta:**International Journal For Research in Applied Science & Engineering Technology(IJRASET),Volume:6,Issue:4,p.2160-2165**
	14	**Experimental Comparative Study by using Nano CaCo3 and Nano Fe2O3 in Fly Ash containing Concrete** Dixit B.PatelDr.DipakJ.Varia Dr. K.G.Mehta:**International Journal For Research in Applied Science & Engineering Technology(IJRASET),Volume:6,Issue:4,p.2999-3005**
	15	**Review on to Study Engineering Properties of Ultra Light Weight Foam Concrete using Hydrogen Peroxide** Anant R.PatelDr.DipakJ.Varia H.B.Patel:**International Journal For Research in Applied Science & Engineering Technology(IJRASET),Volume:6,Issue:4,p.3575-3579**
	16	**To Study Engineering Properties of Ultra Light Weight Foam Concrete Using Hydrogen Peroxide** Anant R.PatelDr.DipakJ.Varia H.B.Patel:**International journal for science and advance research in technology(IJSART), Volume:4,Issue 4, p.2861-2865**
	17	**Performance of The Earthquake Resistant R.C.C. Frame Structure Under Blast Explosion** UtsavkumarJ..PatelDr.DipakJ.Varia:**International journal for science and advance research in technology(IJSART), Volume:4,Issue 10, p.252-255**
	18	**Green Concrete by Replacing Coarse Aggregate With Cupola Slag For Environmental Protection.** **VishwashMistri, Dipak J Varia:International Journal Springer Nature, Singapore, Renewable Energy and climate change,Smart innovation system and technology,Vol:161,p.223-237.**
	19	**Study and Analysis of Concrete Strength Parameters using High Volume fly ash as Partial Replacement of Cement, Manufactured Sand as Partial Replacement of Fine Aggregate and Recycled Aggregate as Partial Replacement of Coarse Aggregate - A Review** Mr. Salmanhaidar I. Aghariya , Dr. Dipak J. Varia:**International Journal of Management, Technology And Engineering(IJMTE),Vol:X,Issue:II,p.124-133.**
	20	**Study and Analysis of Concrete Strength Parameters using High Volume fly ash as Partial Replacement of Cement, Manufactured Sand as Partial Replacement of Fine Aggregate and Recycled Aggregate as Partial Replacement of Coarse Aggregate** Mr. Salmanhaidar I. Aghariya , Dr. Dipak J. Varia,Mr, Arth c Patel:**International Journal of Management, Technology And**

		Engineering(IJMTE),Vol:X,Issue:V,p.234-259

	Published in Conference	
	1	**An innovative approximate method for analysis of continuous beam**Dipak .J.Varia and Dr.H.S.Patel:**Paper presented and published in Proceedings of International Conference on Advances in Tribology and Engineering Systems(ICATES),Oct-2013, At Gujarat Technological University Ahmedabad, Proceedings published in Springer ,p.443-449.**
	2	**Analysis of substitute frame using an innovative approximate approach** Dipak .J.Varia and Dr.H.S.Patel:**paper is presented and published in Proceedings of 3rd International Conference on Recent Trends in Engineering & Technology(ICRTET),March-14,At SNJB's K.B.Jain college of Engineering, Chandwad, Nasik, proceedings published in Elsevier.p.646-651**
	3	**Analysis of Statically Indeterminate Beams using An Innovative Approximate Method** Dipak .J.Varia and Dr.H.S.Patel:**Paper presented and published in 2nd International Conference On Advances in Engineering & Technology (ICAET-15)at Anjuman college of Engineering,Nagpur, p.41-43.**
	4	**Comparision Between Traditional And Modern Curing.** Dipak .J.Varia,V.K.Mistry and M.N.Prajapati:**Paper presented and published in International Conference On Research,Design And Development In Engineering,Management And Sciences(IC-RDD-EMS) at Kalol Institute of Technology & Research Centre,Kalol.**
	5	**Green Concrete by Replacing Coarse Aggregate With Cupola Slag For Environmental Protection.** **VishwashMistri, Dipak J Varia:Paper presented and published in International Conference On Renewable energy and climate change(REC2019)At IITRAM,maninagar,Ahmedabad.**
	6	**Comparative Study Of Isolated Footing And Raft Foundation For Multi-Storeyed Buildings.** Dipak .J.Varia and Mayur G Vanza:**Paper published in 2nd National Conference On Emerging Vistas Of Technology In 21st Century at Parul Institute Of Engineering &Technology,Vadodara , p.95-98.**
	7	**Review Of Earthquake Effects On Building** Dipak .J.Varia,V.K.Mistryand V.M.Gole:**Paper published in National Conference On Emerging Emerging Trends In Civil Engineering(ETCE-15) at Sankalchand Patel College of Engineering,,Visnagar .**

12	Projects Carried out: ------
13	Nos. of consultancy project: 10
14	Patents:------
15	Technology Transfer-------
16	No. of Books published with details: 1

	Title			Year
1	G.P.S.C. & Other competitive Exams (Fully Solved Papers) Fr civil Engineering			2018
17	Training:			
	NO	Title of Training	Name of Institute	Time period
	01	Low cost sanitation	ENVIRONMENTAL SANITATION INSTITUTE,AT SAFAI VIDYALAYA,GANDHI ASHRAM,AHMEDABAD	11/02/02 To 16/02/02
	02	Induction Training programme for Faculty of Engg. Colleges.	NITTTR, CHINDIGARH At M.A.I.T,Jaipur.	23/01/06 To 03/02/06
	03	Advance surveying techniques	DIRECTOR OF TECHNICAL EDUCATION ,GANDHINAGAR. AT L.E.COLLEGE,MORBI.	27/03/06 To 31/03/06
	04	Basic Structural Dynamics	Applied Mechanics Department ,L.D. College of Engineering,Ahmedabad.	26/06/06 To 1/07/06
	05	Geotechnical Earthquake Engineering.	Applied mechanics Department,Shantilal shah Engineering college,Bhavnagar.	20/11/06 To 24/11/06
	06	Geotechnical Earthquake Engineering.	IIT Bombay At Applied Mechanics Department ,L.D. College of Engineering,Ahmedabad	25/02/08 To 29/02/08
	07	Experimental Methods in Earthquake Engineering.	IIT Kanpur.	15/03/08 To 19/03/08
	08	Computational and Simulation Aspects of Nano Science and Engineering.	GUJCOST,Gandhinagar At Government Engineering College,Patan.	18/01/10 To 22/01/10
	09	Structural Steel Design for Engineering College Faculty	Civil Engineering Department, Institute of Technology, NirmaUniversity,Ahmedabad.	21/06/10 To 26/06/10
	10	Developments in Concrete Technology	CEPT Anchor institute for infrastructure sector	26/03/2012 To 31/03/2012
	11	Online Piping Engineering	IIT Bombay	1/12/2013 To 31/3/2014
	12	MATLAB and GIS Application.	Government Polytechnic,Gandhinagar.	27/04/15 To 8/05/15
	13	Computer Aided Design Using Solid Works.	Government Engineering college,Bhavnagar.	31/08/15 To 4/09/15
	14	Emerging Trends in Construction	NITTR Gujarat Extension Centre,Ahmedabad.	04/01/16 To 08/01/16

		Materials Technology and Management.		
	15	CAD using NX	Government Engineering College,Patan.	25/04/16 To 30/04/16
	16	Engineering Research and Academic Paper writing	NITTR Gujarat Extension Centre,Ahmedabad.	16/05/16 To 27/05/16
	17	Effective teaching skills using Modern digital Techniques.	K.D.Polytechnic,Patan.	17/10/16 To 28/10/16
	18	Computer Aided Engineering using NX	Government Engineering College,Patan.	07/11/16 To 19/11/16
	19	Management Capacity Enhancement Programme	IIM,Udaipur	13/02/17 To 18/02/17
	20	Latex For Academic Writing	Government Engineering College,Patan.	20/03/17 To 24/03/17
	21	Beyond the classroom towards excellence	Indian institute of teachers education,Gandhinagar	23/09/18 To 28/09/18
	22	Multi-Objective Optimization:Theory and Applications	Vishwakarma Government Engineering College,Chandkheda	11/02/19 To 16/02/19
	23	Analysis & Design of Typical Structures Using STAAD.Pro Software	L.D.college of Engineering,Ahmedabad	11/3/19 To 15/3/19
	24	Infrastructure Development: Possibilities and challenges Ahead	New Horizon Institute Of Technology and Management, Thane,Mumbai	25/5/2020 To 29/5/2020
	25	Startup and Innovation	SSIP cell Government engineeringCollege,Patan	1/6/2020 To 5/6/2020
	26	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning) E-Content Development Course	Knowledge Consortium of Gujarat, Ahmedabad and HRDC, Gujarat University	28/7/2020 To 18/8/2020
	27	"COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR)"	Gujarat Student Startup and Innovation Hub (i - Hub)	6/7/2020 To 14/9/2020
	28	Advanced Research Methodology & Analytics (ARMA-	Civil Engg Department, Government engineering College ,Patan	22/3/2021 To 26/3/2021

		2021)"		
18	Seminar:			
	01	Disaster Management –Major Building Collapse.	Gujarat state Disaster Management Authority. At SPIPA,Ahmedabad.	08/02/07 To 09/02/07
	02	Trends & Practices in Concrete Today.	L.D.college of Engineering,Ahmedabad.(TEQIP)	27/09/07 To 29/09/07
	03	One day workshop on Intellectual Property Rights	GEC Patan& GUJCOST Gandhinagar.	21/02/08
	04	One day seminar on research methodology	SPIT,Basana	27/07/2013
	05	One day seminar Research Opportunities at different National Institutes	GEC,Patan	13/12/2013
	06	Karmyogi training	CTE,Gandhinagar at swaminarayandham,gandhinagar.	16/01/14 To 19/01/14
	07	Art of abstract writing and Poster Designing	IIT Gandhinagar	28/02/2014 To 01/03/2014
	08	Civil Engineering Research Scholar's Meet.	Government Engineering College,Patan.	29/06/15
	09	Recent Trends In civil engineering	Government Engineering College,Patan.	7/9/16 8/9/16
	10	Interactive Teaching Methods.	British deputy high commission,Government Engineering College,Patan.	March-17
19	Membership:			

Faculty Profile:

1	**Name:**	**Prof.Vipul.D.Patel**
2	Post:	Assistant Professor
3	Date of Birth :	**02/10/1978**
4	Email:	vipulpatel1997@gmail.com
5	Webpage:	----
6	Educational Qualification:	**M.E (Water Resources Engineering)**
7	Work Experience:	Teaching: 16
		Research: 0
		Industry: 0
		Others: 0

	S.No.	Institute	Period	Experience
	1	Government Engineering College, Katpur, Patan	May 2011- To Present	9 Years, 07 Months
	2	B.S.PatelPolytechnic,GanpatUniversity,Kherva-Mehsana	Jan 2005- May 2011	6Years, 05 Months
	3			

8	Area of Specializations:	**Water Resources Engineering. (Civil Engg.)**
9	Subjects teaching at Under Graduate Level:	Irrigation Engineering (2170609); Professional Practices and Valuation (2170610);Civil Engineering Societal & Global Impact (3140609);Building and Town Planning (3130609); Building Construction Technology (3130607); Water resources Engineering and Hydrology (3160610); Basic Civil Engineering (3110004)
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: ------
12	No. of Research papers published:	National Journals : 00
		International Journals :00
		Conferences :06

	Published in International Journal	
	1	----
	2	----
	3	----
	4	----

	Published in National Journal	
	5	----
	6	----
	7	----

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	-----		
	Title		Publisher	Year
17	Training:			
	1	One-week STTP on "NBA ACCREDITATION" organized by Institute of Infrastructure Technology Research and Management (IITRAM), Ahmedabad from 22-07-2019 to 26-07-2019.		
	2	One-week STTP on "Alternative Sources of Energy" organized by NITTTR, Bhopal from 19-08-2019 to 23-08-2019.		
	3			
	4			
	5			
18	Seminar:			
	1	----		
	2	----		
19	Membership:	ISTE, IWRS		

Faculty Profile:

1	**Name:**	**Prof. Pareshkumar N. Nimodiya**
2	Post:	Assistant Professor
3	Date of Birth :	**14/01/1982**
4	Email:	pareshnimodiya@yahoo.co.in
5	Webpage:	----

6	Educational Qualification:	**M.Tech. (Structural Engineering)**		
7	Work Experience:	Teaching: 12		
		Research: 0		
		Industry: 2		
		Others: 0		
	S.No.	Institute	Period	Experience
	1	Government Engineering College, Katpur, Patan	July 2015 To Present	5 Years 10 Months
	2	Vishwakarma Government Engineering College, Chandkheda	May 2011 To June 2015	4 Years 2 Months
	3	U.V.Patel College of Engineering, Kherva, Mehsana	July 2009 To May 2011	1 Year 10 Months
8	Area of Specializations:	**Structural Engineering (Civil Engg.)**		
9	Subjects teaching at Under Graduate Level:	Mechanics of Solids (3130608); Concrete Technology (3150610); Structural Analysis-1 (3140603); Structural Analysis-2 (3150614); Design of Structures (3150612); Design of reinforced concrete Structures (3160612); Earthquake Engineering (3160621); Repairs and Rehabilitation of Structures (2180607)		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : 14		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals : 00		
		International Journals : 15		
		Conferences : 02		
	Published in International Journal			
	1	Nimodiya, P. N. and Patel, H. S. "Effect of Packing Density on Properties of Self Compacting Concrete". International Journal of Civil Engineering and Technology (IJCIET)(Scopus Indexed Journal), 9(11), 2018, pp. 2126-2131.ISSN: 0976-6308		
	2	Nimodiya P.N., Patel H.S.,"Experimental Investigation of Effect of Sand Fines on Properties of Self Compacting Concrete",International Journal of Emerging Technologies and Innovative Research(UGC Approved Journal), Sep 1,5 (9),2018 ,pp980-985. ISSN: 2349-5162		
	3	Virendra Singh,Pratik Gajjar and P.N.Nimodiya Ëxperimental Study to enhance the strength properties of self compacting concrete using waste marble dust and fly ash.",J. Emerging tech. & Innovative Res.,Vol.4.issue 11,pp.428-434,Nov-2017		
	4	A.S.Parasiya and P.N.Nimodiya "Comparative analysis of Brace frame with conventional lateral load resisting frame in RC structure using software", Int.J.		
	5	P.N.Nimodiiya and Dr. S.A.Vasanwala, " A Comparative analytical study of Seismic response of Steel, Concrete and Composite Building", The IUP J. Stru.Engg., Vol.4,		

	Published in National Journal	
	5	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	6		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	-----		
	Title		Publisher	Year
17	Training:			
	1			
18	Seminar:			
	1			
19	Membership:			

Faculty Profile:

1	**Name:**	**Shri. Hardik Ratilal Trivedi**
2	Post:	Assistant Professor
3	Date of Birth :	**06/06/1981**
4	Email:	hardiktrivedi.vgec@gmail.com
5	Webpage:	----
6	Educational Qualification:	**M.E. Civil (CASAD - Structural Engineering)**
7	Work Experience:	Teaching: 10

		Research: 0		
		Industry: 7		
		Others: 0		
	S.No.	Institute	Period	Experience
	1	Government Engineering College, Katpur, Patan	July 2015 - To Present	5 Years 9 Months .
	2	Vishwakaram Government Engineering College, Chandkheda	April 2011 - June 2015	4 Years 2 Months
	3			
8	Area of Specializations:	**Structural Engg. (Civil Engg.)**		
9	Subjects teaching at Under Graduate Level:	Design of Steel Structures (2180610); Repairs and rehabilitation of Structures (2180607); Foundation Engineering (2180609); Project-II (2180605); Design of Reinforced Concrete Structures (2170607); Elementary Structural Design (2160607); Foundation Engineering (3160616); Soft Computing Techniques (3160619); Soil Mechanics (2150609); Structural Analysis-II (2150608); Concrete Technology (3150610); Disaster Management (2150003); Design of Structures (3150612); Structural Analysis-I (2140603); Structural Analysis-1 (3140603); Concrete Technology (2140608); Mechanics of Solids (3130608); Geotechnical Engineering (3130606);		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : 02		
		Ph.D.: 00		
12	No. of Research papers published:	National Journals : 00		
		International Journals : 05		
		Conferences : 00		
	Published in International Journal			
	1	H.R.Trivedi (2014). Segmental bridge design of prestressed box superstructure for cantilever construction, International Journal of Bridge Engineering, Vol. 2, No. 2, 2014: pp. 49-82		
	2	H.R.Trivedi (2017). Development of Research in Design of Segmental Box type Superstructure in India: A REVIEW, International Journal of Emerging Technology and Advanced Engineering, Vol.7, Issue 10, October 2017: pp.250-252.		
	3	H.R.Trivedi (2018). Optimized Arrangement of Knee Bracing in Steel Frame, International Journal for Science and Advance Research in Technology , Vol.4, Issue 5, May 2018: pp.1110-1112.		
	4	H.R.Trivedi (2018). Comparative Study o Road Sign Gantries with Different Structural Arrangement, International Journal for Science and Advance Research in Technology, Vol.4, Issue 5, May 2018: pp.1037-1039.		
	5	H.R.Trivedi - Conceptual Automation for 3D Modeling of Segmental Bridge Superstructure for FEM Software, International Journal for Science and Advance Research in Technology, Vol.4, Issue 9, September 2018: Paper ID: IJSARTV4I927715		

	Published in National Journal	
	6	---

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	05 (Five)		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	-----		
	Title		Publisher	Year
17	Training:			
	1	Karmyogi residential training for QIP in technical education organized by CTE, Gandinagar from 6th December to 8th December 2013		
	2	Faculty Development Program for "Business Model Canvas" organized by GTU from 21st April to 21st April 2015		
	3	Two-week STTP ISTE Training on Environmental Studies organized by ISTE - IIT-Bombay Under ICT-MHRD-GOI from 2nd June to 12th June 2015		
	4	Two-week National Level STTP on "Advanced Data Analysis for Business Research Using Statistical Packages" organized by C.G.S.- National Level F.D.P.-G.T.U. from 22nd June to 5th July 2015		
	5	Short course on Geotechnical Investigation for structural engineering organized by IIT-Gandhinagar from 15th October to 17th October 2015		
	6	One week STTP on "Advance Engineering optimization through intelligence Techniques" organized by SVNIT, Surat from 21st March to 25st March 2016		
	7	One week STTP on "CAD using NX" organized by GEC-Patan from 25th April to 30th April 2016		
	8	Two-week STTP on "Disaster Management" organized by ISTE center at ahmedabad from 19th December to 30th December 2016		
	9	One week STTP on "LaTex for Academic Writting" organized by GEC-Patan from 20th March to 24th March 2017		
	10	One week STTP (NITTTR) on "Computer Aided Design of Civil Engineering Structures" (Prog.No.Guj4) organized by NITTTR at Ext. Center, Ahmedabad from 26th June to 30th June 2017		
	11	Workshop on Seismic Isolation in association with SEWC & Japanese Society of Seismic Isolation. organized by LDCE, Ahmedabad from 2nd November to 3nd November 2017		
	12	Two-week STTP "Induction Phase - I" organized by NITTTR at NITTTR Ext. Center, Ahmedabad from 16th July to 27th July 2018		
	13	One week STTP on "Structural Design using STAAD Pro, STRUDS, ETAB, SAFE" (CE-8) organized by NITTTR, Bhopal		

		from 3rd September to 7th September 2018
	14	Two-week STTP "Induction Phase - II" organized by NITTTR, Bhopal at Ahd center from 19th August to 30th August 2019
	15	"Comprehensive Online Intellectural Property Rights" organized by i-hub from 6th July to 14th September 2020
	16	"Unlimited Digital Advanced Yearlong Academic Method of Learning" organized by KCG, Ahmedabad from 28th July to 18th August 2020
	17	One week STTP on "Introduction to Soft Computing" organized by NPTEL from 18th January to 12th March 2021
	18	One week STTP on Advanced Research Methodology & Analytics (ARMA-2021) organized by GEC-Patan from 22nd March to 26th March 2021
18	Seminar:	
	1	Seminar on "Flood and Disaster Management" organized by GEC-Patan on 2th August 2016
	2	
19	Membership:	ACCE (I) – Association of Consulting Civil Engineers (India) [Membership no – 2446L]

1	**Name:**	**Dr. Jigneshkumar M Patel**
2	Post:	Assistant Professor
3	Date of Birth :	**05/10/1984**
4	Email:	Jigneshpatel9898@gmail.com
5	Webpage:	----
6	Educational Qualification:	**Ph.D. (Civil Engineering)**
7	Work Experience:	Teaching: 6
		Research: 0
		Industry: 1
		Others: 0

	S.No.	Institute	Period	Experience
	1	Government Engineering	June 2016- To	5 Years .

		College, Katpur, Patan	Present	
	2	U.V.Patel College of Eng., Ganpat University	June 2013-July 2017	9 month
	3	Savvy Infrastructure Pvt. Ltd.	October 2009-June 2010	9 month
	4	A G Engineers	July 2009-September 2009	3 month

8	Area of Specializations:	**Structural Engg.(Civil Engg.)**
9	Subjects teaching at Under Graduate Level:	Geotechnical Engineering (3130606), Mechanics of Solids (3130608), STRUCTURAL ANALYSIS-1 (3140603), Concrete Technology (3150610), Foundation Engineering (3160616), Foundation Engineering (2180609), Repairs & Rehabilitation of Concrete Structures (2180607).
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : 03
		Ph.D.: 00
12	No. of Research papers published:	National Journals : 00
		International Journals : 02
		Conferences : 00

	Published in International Journal	
	1	"Production and performance of alkali-activated cold-bonded lightweight aggregate in concrete" Jigneshkumar Patel, H Patil, Y Patil, G Vesmawala, Journal of Building Engineering 20, 616-623
	2	"Strength and transport properties of concrete with styrene butadiene rubber latex modified lightweight aggregat", J Patel, H Patil, Y Patil, G Vesmawala, Construction and Building Materials 195 (195), 459-467
	3	
	4	

	Published in National Journal	
	5	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	-----		
	Title		Publisher	Year
17	Training:			

	1	Induction Phase-I at NITTTR, Bhopal, MP, dated 26/02/2018 to 09/03/2018/ two Week
	2	Emerging Trends inStructural & GeotechnicalEngineering Govt. Eng. College at Patan, Gujarat, dated 30/07/2018 to 13/08/2018/one Week
	3	Induction Phase-II NITTTR, Ahmedabad,Gujarat, Dated 27/08/2018 to 08/09/2018/ two Week
	4	EntrepreneurshipDevelopmentEDII, Gandhinagar,Gujarat, Dated 25/02/2019 to 01/03/2019 / One Week
	5	Introduction to Research(Online MOOC Training), Govt. Eng. College,Patan, Gujarat, NPTEL(Swayam) & IIT,Madras/ /Dated 24/02/2020 to 17/04/2020 / one Week
	6	Comprehensive OnlineIntellectual Property Rights(IPR), Govt. Eng. College,Patan, Dated 07/06/2020 to 14/09/2020, Two Week
18	Seminar:	
	1	
19	Membership:	

Faculty Profile:

1	**Name:**	**Dr. Vijendrakumar M. Patel**		
2	Post:	Assistant Professor		
3	Date of Birth :	**03/02/1982**		
4	Email:	vijpatel9736@gmail.com		
5	Webpage:	----		
6	Educational Qualification:	**Ph.D. (Civil Engineering)**		
7	Work Experience:	Teaching: 15		
		Research: 3		
		Industry: 1		
		Others: 0		
	S.No.	Institute	Period	Experience
	1	Government Engineering College, Katpur, Patan	June 2011- To Present	9 Years 11 Months

8	Area of Specializations:	**Civil Engineering**
9	Subjects teaching at Under Graduate Level:	Fluid Mechanics, Surveying, Remote Sensing & GIS, Application of GIS in Civil Engineering, Building Construction Technology, Transportation Engineering, Water Resources Management,
F	Post Graduate Level:	------
11	Research guidance:	Master's Degree : 04
		Ph.D.: 03
12	No. of Research papers published:	National Journals : 00
		International Journals : 13
		Conferences : 20
	Published in International Journal	
	1	
	2	
	3	
	4	

	Published in National Journal	
	5	
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	-----		
	Title		Publisher	Year
17	Training:			
	1			
	2			
	3			
	4			
	5			
18	Seminar:			
	1			
	2			
19	Membership:			

Faculty Profile:

1	**Name:**	**Dr. Manjurali I. Balya**		
2	Post:	Assistant Professor		
3	Date of Birth :	**27/08/1988**		
4	Email:	manjuralimomin1@gmail.com		
5	Webpage:	----		
6	Educational Qualification:	**Ph.D. (Civil Engineering)**		
7	Work Experience:	Teaching: 8		
		Research: 0		
		Industry: 1		
		Others: 0		
	S.No.	Institute	Period	Experience
	1	Government Engineering College, Katpur, Patan	July 2017- To Present	3 Years 10 Months
	2	Sankalchand Patel College of Engineering, Visnagar	June 2013-July 2017	4 Years
	3			
8	Area of	**Transportation Engg. (Civil Engg.)**		

	Specializations:	
9	Subjects teaching at Under Graduate Level:	Urban Transportation Planning(3160608); Environmental Engineering (3160611); Civil Engineering Societal & Global Impact (3140609); Building and Town Planning (3130609); Building Construction Technology (3130607); Transportation Engineering (3150611); Traffic Engineering (2170613); Environmental Science (3110007)
10	Post Graduate Level:	------
11	Research guidance:	Master's Degree : -----
		Ph.D.: 01
12	No. of Research papers published:	National Journals : 00
		International Journals : 13
		Conferences : 20

	Published in International Journal	
	1	Balya, M. I., & Kumar, R. (2019). Commuters' Attitude Analysis of Feeder Public Transit Service: A Case Study. *Iranian Journal of Science and Technology, Transactions of Civil Engineering*, Vol. 43, *No.* 1, pp 313-321.
	2	Balya, M. I., Kumar, R., & Gundaliya, P. J. (2018). Bus stop network catchment analysis of integrated feeder service for public bus transit system–a case study of Ahmedabad City. *World Review of Intermodal Transportation Research*, Vol. 7, No. 1, pp. 80-98.
	3	Balya, M. I., & Kumar, R. (2017). Walking Feeder Mode Services Choice Analysis for Integration of Bus Rapid Transit System: A Case Study. *International Journal for Traffic and Transport Engineering*, Vol. 7, No. 4, pp 487-497.
	4	Balya, M. I., & Kumar, R. (2017). Feeder mode choice analysis for public bus transit system: a case study. *World Review of Intermodal Transportation Research*, Vol. 6, No. 3, pp. 177-192.

	Published in National Journal	
	5	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	-----		
	Title		Publisher	Year
17	Training:			
	1	Two weeks STTP through two way video communication on "Recent Trends in Civil Engineering" organized by Directorate Technical Education (DTE) from 5th February to 17th February 2018 at GEC Patan.		
	2	5-days Short Term Training Program (STTP) on "Geotechnical Investigations for Infrastructure Development" at Institute of Infrastructure Technology Research and Management (IITRAM),		

		Ahmedabad from March 19-23, 2018.
	3	
18	Seminar:	
	1	
19	Membership:	

General Department

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❖ Number of faculty employed and left during the last three years(2018-2019,2019-20,2020-2021)

YEAR	NON TEACHING (JOIN)	TEACHING (JOIN)	NON TEACHING (Left/Transferred)	TEACHING (Left/Transferred)
2018-19	-----	-----	-----	1
2019-20	-----	1	-----	1
2020-21	-----	0	-----	0

Permanent Faculty

Sr. No.	Name	Post	Appointmentis approved by university**[Letter Number]**
	Branch: General Department		
1	Dr. N.C.Chavda	Associate Professor	**No:** gec/1099/gh.2/65064 dated 09/12/1999
2	Dr. V.P.Soni	Assistant Professor	ક્રમાંક: જીઈસી/નિમણૂક/સ.પ્રા.ગણિત/૨૦૧૧/ઘ-૨/૧૩૮૧૯૭ તા:૩૦/૦૪/૨૦૧૧
3	Dr. V.C.Makwana	Assistant Professor	ક્રમાંક: જીઈસી/નિમણૂક/સ.પ્રા.ગણિત/૨૦૧૧/ઘ-૨/૧૩૮૧૯૭ તા:૩૦/૦૪/૨૦૧૧
4	Dr. A.K.Chaudhari	Assistant Professor	ક્રમાંક: જીઈસી/નિમણૂક/સ.પ્રા.ભૌતિક/૨૦૧૧/ઘ-૨/૧૪૨૨૭ તા:૩૦/૦૪/૨૦૧૧
5	Dr. H.S.Bhutadiya	Assistant Professor	ક્રમાંક: જીઈસી/નિમણૂક/સ.પ્રા.ભૌતિક/૨૦૧૧/ઘ-૨/૧૪૨૨૭ તા:૩૦/૦૪/૨૦૧૧
6	Dr. B.S.Patel	Assistant Professor	ક્રમાંક: જીઈસી/સી॰ ભ॰/સહા.પ્રા./ગણિતશાસ્ત્ર/૨૦૧૯/ઘ-૨/૧૩૮૪૮ તા:૧૭/૦૯/૨૦૧૯

Visiting Faculty (For the year 2020-21)

Sr. No.	Name	Post	Qualification
	Branch: General Department		
1	Dr. V.M.Modi	Assistant Professor	Ph.D.

Permanent faculty student ratio: 1:25

FACULTY PROFILE

1	**Name:**	**Dr. Nareshkumar Chaturbhai Chavda**		
2	Post:	Associate Professor		
3	Date of Birth :	**11-10-1972**		
4	Email:	dr.nareshc.chavda@gmail.com		
5	Webpage:	------		
6	Educational Qualification:	**M.Sc., Ph.D.**		
7	Work Experience:	Teaching: 20 years		
		Research:		
		Industry:		
		Others		
	S.No.	Institute	Period	Experience
	1	Government Engineering College, Modasa	10-12-1999 To 28-02-2006	6 yrs
	2	Government Engineering College, Chandkheda	01-03-2006 To 12-12-2013	7 yrs
	3	Government Engineering College, Dahod	13-12-2013 To 01-02-2017	3 yrs
	4	Government Engineering College, Patan	02-02-2017 To till the date	4 yrs
	5			
8	Area of Specializations:	**Pure Mathematics**		
9	Subjects teaching at Under Graduate Level:	**Applied Mathematics, Calculus, Linear Algebra, Differential Equations, Complex Variables and Partial Differential Equations**		
10	Post Graduate Level:	------		

11	Research guidance:	Master's Degree : -----
		Ph.D.: -----
12	No. of Research papers published:	National Journals : -----
		International Journals : -----
		Conferences : -----
	Published in International Journal	
	1	-----
	2	
	3	
	4	

	Published in National Journal	
	5	-----
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	-----		
	Title		Publisher	Year
17	Training:	-----		
	1			
18	Seminar:	-----		
	1			
	2			
19	Membership:			

FACULTY PROFILE

1	**Name:**	**Dr. Vijaykumar Poonamchand Soni**
2	Post:	Assistant Professor
3	Date of Birth :	**08-05-1977**
4	Email:	prof.vijaysoni@gmail.com

5	Webpage:		------	
6	Educational Qualification:		**M.Sc., Ph.D.**	
7	Work Experience:		Teaching: 17 years	
			Research:	
			Industry:	
			Others	
	S.No.	Institute	Period	Experience
	1	S.P.C.E., Visnagar	03-12-2004 To 25-05-2011	7 yrs
	2	Government Engineering College, Patan	26-05-2011 To till the date	10 yrs
	3			
	4			
	5			
8	Area of Specializations:		**Pure Mathematics**	
9	Subjects teaching at Under Graduate Level:		**Applied Mathematics, Calculus, Linear Algebra, Differential Equations, Complex Variables and Partial Differential Equations**	
10	Post Graduate Level:		------	
11	Research guidance:		Master's Degree : -----	
			Ph.D.: -----	
12	No. of Research papers published:		National Journals : -----	
			International Journals : -----	
			Conferences : -----	
	Published in International Journal			
	1	-----		
	2			
	3			
	4			

	Published in National Journal	
	5	-----
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	-----		
	Title		Publisher	Year
17	Training:			
	1	Intellectual Property Rights (IPR) Training		
	2	UDAYAM E-Content Development Course		
	3			
	4			

	5	
18	Seminar:	-----
	1	
	2	
19	Membership:	

FACULTY PROFILE

1	**Name:**	**Dr. Vijaykumar Chhaganlal Makwana**		
2	Post:	Assistant Professor		
3	Date of Birth :	**03-07-1982**		
4	Email:	vijay.maths1982@gmail.com		
5	Webpage:	------		
6	Educational Qualification:	**M.Sc., Ph.D.**		
7	Work Experience:	Teaching: 14 years		
		Research:		
		Industry:		
		Others		
	S.No.	Institute	Period	Experience
	1	C.U.Shah College of Engineering, Wadhwan	27-07-2007 To 25-05-2011	4 yrs
	2	Government Engineering College, Patan	26-05-2011 To till the date	10 yrs
	3			
	4			
	5			
8	Area of Specializations:	**Pure Mathematics**		
9	Subjects teaching at Under Graduate Level:	**Applied Mathematics, Calculus, Linear Algebra, Discrete Mathematics**		
10	Post Graduate Level:	------		
11	Research guidance:	Master's Degree : -----		
		Ph.D.: -----		
12	No. of Research papers published:	National Journals : -----		

		International Journals : -----
		Conferences : -----
	Published in International Journal	
	1	-----
	2	
	3	
	4	

	Published in National Journal	
	5	-----
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	-----		
	Title		Publisher	Year
17	Training:			
	1	Intellectual Property Rights (IPR) Training		
	2	UDAYAM E-Content Development Course		
	3			
	4			
	5			
18	Seminar:	-----		
	1			
	2			
19	Membership:			

FACULTY PROFILE

1	**Name:**	**Dr. Ashokkumar Karsanbhai Chaudhari**
2	Post:	Assistant Professor
3	Date of Birth :	**12-08-1978**
4	Email:	Akc12878@gmail.com
5	Webpage:	http://acedamy.blogspot.com/
6	Educational Qualification:	**M.Sc., Ph.D.**

7	Work Experience:		Teaching: 16 years	
			Research: Nearly 7years	
			Industry:	
			Others	
	S.No.	Institute	Period	Experience
	1	Shri J.M.Chaudhary Sarvajanik Vidyalay, Mehsana	07-02-2005 to 06-05-2011	6 years
	2	Government Engineering College, Patan	07-05-2011 to till the date	10 years
	3			
	4			
	5			
8	Area of Specializations:	**Atomic and Molecular Physics**		
9	Subjects teaching at Under Graduate Level:	**Engineering Physics**		
10	Post Graduate Level:	-----NIL		
11	Research guidance:	Master's Degree : -----NIL		
		Ph.D.:-------NIL		
12	No. of Research papers published:	National Journals : 2		
		International Journals : 2		
		Conferences : 1		
	Published in International Journal			
	1	"Electron impact ionisation cross sections for atomic and molecular allotropes of phosphorous and arsenic" **Journal**: Molecular Physics, 113:23 (2015) 3654-3662 Harshad Bhutadia, **Ashok Chaudhar**i and Minaxi Vinodkumar DOI: doi.org/10.1080/00268976.2015.1050472 impact facor: 1.571 (2018)		
	2	"Electron induced chemistry of Thioformaldehyde" **Journal**: Royal society of chemistry (RSC) Adv., 5 (2015) 103964 Chetan Limbachiya, **Ashok Chaudhari**, Hardik Desai and Minaxi Vinodkumar DOI: 10.1039/C5RA19662K impact factor 3.049 (2019)		

	Published in National Journal	
	1	"Electron impact total ionization cross sections for ozone" **Journal**: GIT-Journal of Engineering and Technology 7th Volume, 2014, ISSN 2249 – 6157 **A.Chaudhari**,H.Bhutadia and C.Limbachiya
	2	"Calculation of total electron-scattering cross section for tetrahydropyran,$(CH_2)_5O$ molecule. **Journal**: Prajana, Journal Of Pure and Applied Sciences Vol: 22&23:80-83 (2015) ISSN 0975-2595 ,S.P.University V.V.Nagar, **Ashok Chaudhari**, Hardik Desai, Harshad Bhutadia, Chetan

		Limbachiyaand Minaxi Vinodkumar

12	Projects Carried out:	-----NIL		
13	Nos. of consultancy project:	-----NIL		
14	Patents:	-----NIL		
15	Technology Transfer	-----NIL		
16	No. of Books published with details:	-----NIL		
	Title		Publisher	Year
17	Training:			
	1	Writing research paper (NITTTR,Bhopal)-6-10 Jan-2014		
	2	Residential Training (Karmyogi)(Swaminarayan Dham, Gandhinagar)-6-8 Feb-2014		
	3	CFD and heat Transfer (NIT Hamirpur) – 19-23 May-2014		
	4	Induction phase 1 (NITTTR,Bhopal) – 21-7-2014 to 2-8-2014		
	5	Research Methodology(NITTTR,Bhopal) – 17-21 Nov 2014		
	6	STTP on Environmental Studies via ICT Mode through IIT Bombay(SKPCE,Visnagar) – 2-12 Jun-2015		
	7	Induction Phase II (NITTTR, Ext Centre Ahmedabad)- 14-25 Dec-2015		
	8	Nano Technology and nano material applications in engineering(NITTTR,Bhopal) – 15-19 May-2017		
	9	Simulation tools for Science Experiments(NITTTR,Bhopal) – 4-8 March-2019		
	10	Design Development and use of rubric in students Assesment(NITTTR,Bhopal) – 27-31 Jan-2020		
	11	Experimental Physics III(MOOC, IIT Kharaghpur) – 27-1-2020 to 17-4-2020		
	12	Block Chain (GEC Patan) – 19-23 Oct-2020		
	13	Comprenhensive online intellectual Property Rights(IPR)(Online) -6-7-2020 to 14-09-2020		
	14	A Brief Course on Superconductivity(MOOC,IIT Guwahati)-Jan-Feb-2021		
18	Seminar:	11		
	1	National Conference on Electron collision processes in atomic and molecular physics. ECPAMP-2013(V P Sci College, V V nagar)-7-9 March-2013		
	2	Institutional management and networking: Leadership programme for TEQIP-II Engineering Colleges(IIM Ahmedabad) – 28-31 oct-2013		
	3	Topical Conference on Atomic Processes in Plasmas ISAMP-TC-2013(IPR,Gandhinagar)-18-20 Nov-2013		
	4	Research opportunities at different National Institutes(GEC Patan) -13-12-2013		
	5	Gujarat Science Congress Conference(HNGU Patan)- 22-23 Feb-2014		
	6	NCAMP-XX (IIST- Trivendrum) – 9-12 Dec-2014		
	7	International Topical Conference q-PaCE (ISM, Dhanbad) – 9-11 Jan-2016		

	8	National Conference in atomic and molecular physics. NCAMP-XXI (PRL-Ahmedabad)-6-9 Jan-2017	
	9	ECAMP-17 (V V Nagar) – 13-2-2017	
	10	International Faculty development Program (GEC Patan) – 10,14,17 March-2017	
	11	Dynamics of electron collision processes (Online) – 8-11-2020	
	12		
19	Membership:		Life member of Indian society of Atomic and Molecular Physics (No. 1485)
			ISTE (Life Member)(LM122410)

FACULTY PROFILE

1	**Name:**		**Dr.Harshadkumar Sardarbhai Bhutadia**	
2	Post:		Assistant Professor	
3	Date of Birth :		**08-10-1985**	
4	Email:		harshbhutadia@gmail.com	
5	Webpage:		http://acedamy.blogspot.com/	
6	Educational Qualification:		**M.Sc., Ph.D.**	
7	Work Experience:		Teaching: 10 years	
			Research: Nearly 12 years	
			Industry:	
			Others	
	S.No.	Institute	Period	Experience
	1	Government Engineering College, Patan	04-05-2011 to till the date	10 year
	2			
	3			
	4			
8	Area of Specializations:		**Atomic and Molecular Physics**	
9	Subjects teaching at Under Graduate Level:		**Engineering Physics**	
10	Post Graduate Level:		-----NIL	
11	Research guidance:		Master's Degree : -----NIL	
			Ph.D.: -----NIL	
12	No. of Research papers published:		National Journals : 4	
			International Journals : 8	
			Conferences : 6	
	Published in International Journal			
	1	Electron impact ionization cross sections for atomic and molecular		

		allotropes of Phosphorous and arsenic Molecular Physics, 2015 Vol. 113, No. 23, 3654–3662 **Harshad Bhutadia**, Ashok Chaudhari and Minaxi Vinodkumar
	2	Calculation of total ionization cross sections for halogen compounds on electron impact from threshold to 2 keV Indian J. Phys., 85 1761-1766 (2011) Minaxi Vinodkumar, Harshad Bhutadia, Rucha Dave and Bobby Antony
	3	Electron-impact rotationally elastic total cross sections for H_2CO and HCOOH over a wide range of incident energy (0.01–2000 eV). Physical Review A, **83** 042708 (2011). Minaxi Vinodkumar, Harshad Bhutadia, Bobby Antony,and Nigel Mason
	4	Electron impact total ionization cross sections for H_2S, PH_3, HCHO and HCOOH International Journal of Mass Spectrometry **308** 35– 40 (2011). Minaxi Vinodkumar, Harshad Bhutadia, Chetan Limbachiya, K.N. Joshipura
	5	Calculations of total and ionization cross sections on electron impact for alkali metals (Li, Na, K) from thresold to 2 keV. International Journal of Mass Spectrometry, **294** 54-58 (2010). Minaxi Vinodkumar, Kirti Korot, Harshad Bhutadia
	6	Electron impact total ionization cross sections for halogens and their hydrides" International Journal of Mass Spectrometry, **292** 7–13 (2010). Minaxi Vinodkumar, Rucha Dave, Harshad Bhutadia and Bobby K. Antony
	7	Electron impact calculations of total ionization cross sections for environmentally sensitive Diatomic and Triatomic molecules from threshold to 5 keV J. Phys. B.,**43** 015203 (2010). Minaxi Vinodkumar, Chetan Limbachiya and Harshad Bhutadia
	8	Theoretical Investigation of Electron Impact Total Ionization Cross Sections for $N(CH_3)_3$, $NH(CH_3)_2$, NH_2CH_3, $P(CH_3)_3$, $PH(CH_3)_2$, and PH_2CH_3 Molecules Journal of the Korean Physical Society, **59**, 2873-2876 (2011). Harshad Bhutadia and Minaxi Vinodkumar

	Published in National Journal	
	1	"Electron impact total ionization cross sections for ozone" Journal:GIT-Journal of Engineering and Technology 7th Volume, 2014, ISSN 2249 – 6157 Ashok Chaudhari,Harshad Bhutadia & Chetan Limbachiya
	2	Theoretical calculations of electron impact total cross sections for HCl molecule over a wide range of impact energies (0.1 eV – 2000 eV) PRAJÑĀ - Journal of Pure and Applied Sciences **19** 85 - 89 ISSN 0975 – 2595 (2011) Mayuri Y. Barot, **Harshad Bhutadia** , Minaxi Vinodkumar

	3	Screening Corrected electron impact total and ionization cross sections for $N(CH_3)_3$ and $P(CH_3)_3$ PRAJÑA - Journal of Pure and Applied Sciences, 18 140-144 ISSN 0975 – 2595 (2010) Harshad Bhutadia, Kirti Korot, Bobby Antony and Minaxi Vinodkumar
	4	Calculation of ionization cross sections for alkali metal atoms (Li, Na, K) and Halogen atoms (F, Cl, Br, I) from threshold to 2keV on electron impact" PRAJNA-Journal pure and applied Sciences, **17** 162-169 (2009). Harshad Bhutadia, Rucha Dave, Kirti Korot, Minaxi Vinodkumar

13	Projects Carried out:	-----NIL		
14	Nos. of consultancy project:	-----NIL		
15	Patents:	-----NIL		
16	Technology Transfer	-----NIL		
17	No. of Books published with details:	01		
	Title		Publisher	Year
	Electron Impact Scattering Studies of Target of varied interest		LAMBERT Academic Publishing ISSN No: 978-3-659-67314-6	2015
18	Training:			
	1	Induction Phase – I - 13- 24 May, 2013		
	2	Recent trends in nanomaterials, synthesis, characterization and applications.(SVNIT, Surat) - 14 – 18 Oct, 2013		
	3	Residential training (Karmayogi talim)(Swaminarayan dham, Gandhinagar) - 17 – 19 Jan, 2014		
	4	CFD and Heat transfer with its applications(NIT, Hamirpur)- 19 – 23 May, 2014		
	5	Induction Phase – II(NITTTR, Bhopal, Extn. Centre,R C Poly technique, Ahmedabad)- 15 – 26 Sept, 2014		
	6	Two-Week ISTE STTP on Environmental Studies(IIT, Bombay (Extension centre, Sankalchand Patel College of Engineering, Visnagar, Gujarat))- 2-12 Jun 2015		
	7	ACADEMIC WRITING SKILLS WITH LATEX (GEC Patan) – 20-24 March-2017		
	8	Nano Technology and nano material applications in engineering (NITTTR,Bhopal) – 15-19 May-2017		
	9	Guidance, Councelling and Mentoring skills (NITTTR,Bhopal) – 4-8 Jun-2018		
	10	Low cost Laboratory experiments in applied science (NITTTR,Bhopal) – 25-29 March-2019		
	11	Alternative sources of energy (NITTTR,Bhopal) – 19-23 Aug-2019		
	12	Experimental Physics III(MOOC,IIT Khargpur) – 27-1-2020 to		

		17-4-2020
	13	Block Chain (GEC Patan) – 19-23 Oct-2020
	14	Comprenhensive online intellectual Property Rights(IPR)(Online) – 6-7-2020 to 14-9-2020
	15	A Brief Course on Superconductivity (MOOC,IIT Guwahati)-Jan-Feb-2021-4 week)
	16	Organizational Development and Institutional reforms (NITTTR,Bhopal) – 24-28 Feb-2020
	17	Beyonds the classroom towards the excellence (IITE,Gandhinagar) – 17-23 jan-2020
19	Seminar:	
	1	Topical conference on atomic processes in plasmas(ISAMP-TC-2013)- (IPR, Gandhinagar)- 18 – 20 Nov, 2013
	2	Research opportunities at different National Institutes-(GEC-Patan) -13/12/2013
	3	NCAMP-XX (IIST, Tiruvananthpuram, Kerala)- 9-12 Dec. 2014
	4	International conference (q-PaCE-2016)-(ISM, Dhanbad)- 9-11 Jan-2016
	5	National Conference in atomic and molecular physics. NCAMP-XXI (PRL-Ahmedabad)- 6-9, Jan-2017
	6	ECAMP-17, (V V Nagar) – 13-2-2017
	7	international Faculty development Program(GEC Patan)-10,14,17 March 2017
	8	Dynamics of electron collision processes (V V Nagar) -8-11-2020
	9	
	10	
20	Membership:	Life member of Indian society of Atomic and Molecular Physics (No. 1405)
		ISTE (Life Member) (No. LM 122407)

FACULTY PROFILE

1	**Name:**	**Dr. Bhavinkumar Somabhai Patel**
2	Post:	Assistant Professor
3	Date of Birth :	**21-06-1978**
4	Email:	bspatel216@yahoo.co.in, bspatel78@gmail.com
5	Webpage:	-----
6	Educational Qualification:	**M.Sc., M.Phil., Ph.D.**
7	Work Experience:	Teaching: 15 years, 8 months
		Research: Nearly 10 years
		Industry:
		Others

	S.No.	Institute	Period	Experience
	1	S.P.C.E., Visnagar	21-06-2005 to 22-01-2019	14 years
	2	Government Engineering College, Patan	18-09-2019 to till the date	1 year, 8 months
	3			
	4			
	5			

8	Area of Specializations:	**Operations Research, Probability and Statistics**
9	Subjects teaching at Under Graduate Level:	**Engineering Mathematics, Linear Algebra, Complex Analysis, Differential Equations, Probabilty and Statistics, Discrete Mathematics**
10	Post Graduate Level:	-----
11	Research guidance:	Master's Degree : -----
		Ph.D.: 1 (pursuing)
12	No. of Research papers published:	National Journals :
		International Journals : 3
		Conferences : 1

	Published in International Journal	
	1	**Self Evaluation of Standard of Teaching at Masters' (PG) Level by Using Statistics and Hence Establishing University Rankings in India**
	2	**APPLICATION OF QUEUING THEORY TO WOMEN'S ICC WORLD T20 CRICKET**
	3	**A Concept of an Optimal Solution of the Transportation Problem Using the Weighted Arithmetic Mean**
	4	**Optimal Solution to the Assignment Problem**

	Published in National Journal	
	5	-----
	6	
	7	

12	Projects Carried out:	-----		
13	Nos. of consultancy project:	-----		
14	Patents:	-----		
15	Technology Transfer	-----		
16	No. of Books published with details:	-----		
	Title		Publisher	Year
17	Training:			
	1	Induction Phase - I		
	2	Intellectual Property Rights (IPR) Training		
	3	UDAYAM E-Content Development Course		
	4			
	5			
18	Seminar:	-----		
	1			
	2			
19	Membership:	Gujarat GanitMandal (Life time)		

09 **FEE**

- **Details of fee, as approved by State fee Committee, for the Institution** :**Rs.** 1500/- Per Year.
- **Time schedule for payment of fee for the entire program** :Beginning of each term.
- **No. of Fee waivers granted with amount and name of students** : As per government of Gujarat rules.
- **Number of scholarships offered by the institute, duration and amount :**

Name of Scheme	**Total number of applications**
BCK -137 Post S.S.C Scholarship For Girls(NTDNT)	1
BCK-138 Post S.S.C Scholarship For Boys(NTDNT)	7
BCK-78 Post S.S.C Scholarship For Girls(SEBC)	16
BCK-79 Food Bill Assistance For Medical,Engineering Students(SEBC)	122
BCK-80 Instrumental Assistance For Medical, Engineering, Diploma students(SEBC)	61
BCK-81 Post S.S.C Scholarship For Boys(SEBC)	138
BCK-81A Post Matric Scholarship of Government of India for the OBC students	353

Dr. Ambedkar Post Matric Scholarship of Government of India for Economic backward class Students	194
Tablet Assistance to SEBC Students	53
Total	**945**

Name of Scheme	**Total number of applications**
(BCK-10) Food bill Assistance to SC Students	11
(BCK-12) Instrumental Help to SC Students (Medical,Engineering,Diploma Students Only)	2
(BCK-5) Post Matric Scholarship for SC girls student only (Having annual family income more than 6 Lac)(State Government Scheme)	1
(BCK-5) Post Matric Scholarship for SC girls student only (Having annual family income between 2.50 Lac to 6 Lac)(State Government Scheme)	5
(BCk-6.1) Post Matric Scholarship for SC students (Government of India Scheme)	55
Total	**74**

Name of Scheme	**Total number of applications**
Umbrella Scheme for Education of ST Students Post-Matric Scholarship	46
VKY 156 Post Matric Scholarship for ST Girls Students having annual family income more than 2.50 Lakh	1
VKY-157 Food Bill Assistance in College Attached Hostels	17
Total	**64**

Duration: **Yearly**

- **Criteria for fee waivers/scholarship -** As per government of Gujarat rules.
- **Estimated cost of boarding and Lodging in Hostels**
  Rs. 2000 fees per year for boarding
  Rs. 1500 Approximate fee for lodging per month.

10. **ADMISSION**

- **Number of seats sanctioned with the year of approval.**
- **Number of students admitted under various categories each year in the last three years.**

YEAR	BRANCH	Approve intake	GENERAL	SC	ST	OBC
2018-19	CIVIL ENGINEERING	60	34	2	6	15
	MECHANICAL ENGINEERING	120	91	2	0	26
	ELECTRICAL ENGINEERING	60				

	COMPUTER SCIENCE AND ENGINEERING	120	81	6	1	28
	ELECTRONICS & COMMUNICATION ENGG	30	44	0	0	0
2019-20	CIVIL ENGINEERING	60	39	4	4	20
	MECHANICAL ENGINEERING	120	97	0	0	0
	ELECTRICAL ENGINEERING	60	64	0	0	0
	COMPUTER SCIENCE AND ENGINEERING	120	97	7	0	35
	ELECTRONICS & COMMUNICATION ENGG	120	6	0	0	0
2020-21	CIVIL ENGINEERING	60	67	0	1	3
	MECHANICAL 6ENGINEERING	90	56	0	0	0
	0ELECTRICAL ENGINEERING	60	25	0	0	0
	COMPUTER SCIENCE AND ENGINEERING	120	85	10	1	38
	ELECTRONICS & COMMUNICATION ENGG	30	7	0	0	0

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

11. ADMISSION PROCEDURE

- Admission given through Joint Admission Committee for professional courses as per Government rules. Web : www.ldceindia.org
- Mention the admission test being followed, name and address of the Test Agency and its URL (website). N/A
- Number of seats allotted to different Test Qualified candidates separately [AIEEE/CET (State conducted test/University tests)/Association conducted test] -- N/A
- Calendar for admission against management/vacant seats: NA

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

notified.

12. CRITERIA AND WEIGHT AGES FOR ADMISSION

- **The admissions on all the seats are made by Joint Admission Committee for Professional Courses (T) constituted by the state government. The admissions are given on the basis of HSC (60%weightage) and Common Entrance Test (40%weightage) by the admission committee.**
- **Mention the minimum level of acceptance, if any**. : No

- **Mention the cut-off levels of percentage & percentile scores of the candidates in the admission test for the last three years**. : No admission tests were conducted in last three years.
- **Display marks scored in Test etc. and in aggregate for all candidates who were admitted:** Admissions are made by Joint Admission Committee for Professional Courses (T) constituted by the State.

13. LIST OF APPLICANTS NA

14. RESULTS OF ADMISSION UNDER MANAGEMENT SEATS/VACANT SEATS : N/A

15. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

- **Number of Classroom and size of Each**

Sr. No.	Room Type	Area of room in Sqm	Building Name
1	Classroom	66.91	Electronics & Communication Department
2	Classroom	92.17	Electronics & Communication Department
3	Classroom	92.17	Electronics & Communication Department
4	Classroom	66.91	Electronics & Communication Department
5	Classroom	66.91	Electronics & Communication Department
6	Classroom	66.91	Electronics & Communication Department
7	Classroom	66.91	Electronics & Communication Department
8	Classroom	66.91	Computer Department
9	Classroom	92.17	Computer Department
10	Classroom	92.17	Computer Department
11	Classroom	66.91	Computer Department
12	Classroom	66.91	Computer Department
13	Classroom	66.91	Computer Department
14	Classroom	66.91	Computer Department
15	Classroom	66.91	Mechanical Department
16	Classroom	92.17	Mechanical Department
17	Classroom	92.17	Mechanical Department
18	Classroom	66.91	Mechanical Department
19	Classroom	66.91	Mechanical Department
20	Classroom	66.91	Mechanical Department

21	Classroom	66.91	Mechanical Department
22	Classroom	66.91	Electrical Department
23	Classroom	92.17	Electrical Department
24	Classroom	92.17	Electrical Department
25	Classroom	66.91	Electrical Department
26	Classroom	66.91	Electrical Department
27	Classroom	66.91	Civil Department
28	Classroom	92.17	Civil Department
29	Classroom	92.17	Civil Department
30	Classroom	66.91	Civil Department

- **Number of Tutorial rooms and size of Each**

Sr. No.	Room Type	Area of room in Sqm	Building Name
1	Tutorial Room	31.46	Electronics & Communication Department
2	Tutorial Room	31.46	Electronics & Communication Department
3	Tutorial Room	31.46	Computer Department
4	Tutorial Room	31.46	Computer Department
5	Tutorial Room	31.46	Mechanical Department
6	Tutorial Room	31.46	Mechanical Department
7	Tutorial Room	31.46	Electrical Department
8	Tutorial Room	31.46	Electrical Department
9	Tutorial Room	31.46	Civil Department
10	Tutorial Room	31.46	Civil Department

- **Number of Laboratories and size of Each**

Sr. No.	Room Type	Area of room in Sqm	Building Name
1	Laboratory	211.14	Electronics & Communication Department
2	Laboratory	211.14	Electronics & Communication Department
3	Laboratory	211.14	Electronics & Communication Department
4	Laboratory	211.14	Electronics & Communication Department
5	Laboratory	211.14	Electronics & Communication Department
6	Laboratory	146.47	Electronics & Communication Department
7	Laboratory	211.14	Computer Department
8	Laboratory	211.14	Computer Department
9	Laboratory	211.14	Computer Department
10	Laboratory	211.14	Computer Department
11	Laboratory	211.14	Computer Department
12	Laboratory	146.47	Computer Department
13	Laboratory	211.14	Mechanical Department
14	Laboratory	211.14	Mechanical Department
15	Laboratory	211.14	Mechanical Department
16	Laboratory	211.14	Mechanical Department
17	Laboratory	211.14	Mechanical Department
18	Laboratory	146.47	Mechanical Department
19	Laboratory	211.14	Electrical Department
20	Laboratory	211.14	Electrical Department

21	Laboratory	211.14	Electrical Department
22	Laboratory	211.14	Electrical Department
23	Laboratory	211.14	Electrical Department
24	Laboratory	146.47	Electrical Department
25	Laboratory	211.14	Civil Department
26	Laboratory	211.14	Civil Department
27	Laboratory	211.14	Civil Department
28	Laboratory	211.14	Civil Department
29	Laboratory	211.14	Civil Department
30	Laboratory	146.47	Civil Department

- **Number of Drawing Hall and size of Each**

Sr. No.	Room Type	Area of room in Sqm	Building Name
1	Drawing Hall	211.14	Electronics & Communication Department
2	Drawing Hall	211.14	Computer Department
3	Drawing Hall	211.14	Mechanical Department
4	Drawing Hall	211.14	Electrical Department
5	Drawing Hall	211.14	Civil Department

- **Number of Computer centres and other facilities**

Room Type*	Area of Room in sqm*
Language Laboratory	71.03
Library & Reading Room	660
Computer Center	506

- **Central Examination Facility, Number of rooms and capacity of each: NIL**
- **Online examination Facility (Number of Node, internet bandwidth :**
- **Barrier free built environment for disabled and elderly persons:**
- **Occupancy Certificate: Available**
- **Fire and Safety Certificate: Available**
- **Hostel Facilities**

Girl's Hostel	No of Rooms	Hostel Capacity	Boy's Hostel	No of Rooms for Boys	Total Capacity	Location
Y	40	120	Y	40	120	Within the Campus

LIBRARY

- **Number of Library books/Titles/Journals available**

Programme	Number of Titles*	Number of Volumes*
ENGINEERING AND TECHNOLOGY	3,507	10,689

- **List of online National/International Journals subscribed.**

1.	Indian Journals of Engineering & Material Science
2.	Indian Foundry Journal
3.	Journal of Scientific And Industrial Research

4.	Indian Science Abstracts(Semi-Monthly)
5.	Current Science (for Engineering college)
6.	Indian Economics and social history review

- **E-Library facilities**

Program*	Select Publisher*	Publisher Name
ENGINEERING AND TECHNOLOGY	OTHERS	SAGE Publishing
ENGINEERING AND TECHNOLOGY	Springer	Springer
ENGINEERING AND TECHNOLOGY	OTHERS	MedCrave Group
ENGINEERING AND TECHNOLOGY	OTHERS	Gujarat Technological University
ENGINEERING AND TECHNOLOGY	OTHERS	Hilaris
ENGINEERING AND TECHNOLOGY	OTHERS	Hilaris
ENGINEERING AND TECHNOLOGY	OTHERS	Hilaris
ENGINEERING AND TECHNOLOGY	OTHERS	Hilaris
ENGINEERING AND TECHNOLOGY	OTHERS	iMedPub LTD
ENGINEERING AND TECHNOLOGY	OTHERS	International Organization Of Scientific Research

Laboratory and Workshop:

List of Major Equipments in Each Laboratory/Workshop

Civil Engineering			
Sr. No.	**Area of room in Sqm**	**Laboratory Name**	**Instruments**
1	211.14	Surveying	TRANSIT VERNIER THEODOLITE (20SEC)
			TOTAL STATION NTS962R (SOUTH)
			SURVEYORS COMPASS (3 Nos.)
			DUMPY LEVEL (3 Nos.)
			LYNX AUTO LEVEL (3 Nos.)
		Fluid Mechanics	HYDRAULIC BENCH
			Capillary Tube Viscometer Apparatus
			Tilting Flume
			Reynolds Number Apparatus
2	211.14	Transportation	LOS ANGELES ABRASION TESTING MACHINE
			AGGREGATE IMPACT TESTING APPT
			SIEVE SHAKER
			California bearing ratio test Apparatus (Motorized)
			STANDARD PENETROMETER
3	211.14	Concrete	Concrete permeability test apparatus

		Technology	Electric hot plate
			Weighing machine
			Aggregate crushing value apparatus
			Humidity chamber
			Automatic Compression Testing Machine 3000 kN
4	211.14	Environment Lab.	WATER QUALITY ANALYZER
			JAR TEST APPARATUS
			COD ANALYSER
			DIGITAL DO METER
			HIGH VOLUME AIR SAMPLER
5	211.14	Geotechnical Engg. Lab	PLATFORM VIBRATOR
			UNIVERSAL TESTING MACHINE (1000KN)
			PLATE BEARING TEST
			Triaxial Shear Test Apparatus (motorized)
			Universal Automatic Soil Compactor
6	146.47	Computer lab	SIS PERSONAL COMPUTER
			LCD COMPUTER SYSTEM ACER

Computer Engineering Department			
List Equipment			
S.No.	Item	Configuration	Qty.
1	ACER COMPUTER (A)	AMD 64 - 3800 + 2020GHz, Chipset Mother Board, 512 Mb DDR Ram,80 GB, HDD, Key board, Optical, Mouse, 17" Monitor, DVD writer, ATX Cabinet, 1.44 MB FDD.	9
2	SIS COMPUTER	AMD PHENON II X 3720 PROCESSOR 2.81GHZ 1.5MB L2 CATCH ,2GB DDL2 ,320 GB SATA HDD 7200RPM HDD,18.5 LG LCD	36
3	ACER COMPUTER(B)	AMD PHENON II X 3720 PROCESSOR 2.81GHZ 1.5MB L2 CATCH ,2GB DDL2 ,320 GB SATA HDD 7200RPM HDD,18.5 ACER LCD	18
4	ACER COMPUTER(C)	500 GB STAT HDD ,7200RPM,4GB DDR3,5 INCH TCOSTFT	22
5	ACER COMPUTER(D)	500 GB STAT HDD ,7200RPM,4GB DDR3, 5 INCH TCOSTFT	55
6	DELL COMPUTER	INTEL R CORE I5-4590,4GB RAM ,64 BIT OS ,500GB HDD	20
7	HP COMPUTER	Intel(R) Core(TM)i7,8.00 GB RAM,1TB HDD Graphics Card HPZ240 Tower Workstation	20
8	HCL SPEAKER SET	300 WATT	10
9	HP LASER JET PRINTER	LASERJET PRO M202DW	5
10	PROJECTOR Multimedia	PROJECTOR HITACHI MODEL CP X4030WN	4
11	CANON COPIER	DIGITAL COPIER MACHINE	1

	MACHINE		
12	PODIUM	AUDIO SYSTEM PODIUM	2
13	VISUALIZER	GVP 501	1
14	UPS 5KVA	1 NOS UPS ,15 NOS BATTERY,INDICATIVE BACKUP TIME 120 MINUTS	1
15	UPS 10KVA	4 NOS UPS ,80 NOS BATTERY,INDICATIVE BACKUP TIME 60 MINUTS	4
16	UPS 15KVA	1 NOS UPS ,30 NOS BATTERY,INDICATIVE BACKUP TIME 120 MINUTS	1
17	EXTERNAL HARD DISK	1 TB USB 3.0	1
18	INTERNET SERVER	INTEL XEON PROCESSOR ES 2620V3 DUAL SOCCET DELL T 430	1
19	AC	HITACHI SPLIT AIR CONDITIONA 2.0TON 3 STAR	19
20	HP LAPTOP	HP	02
21	KONICA PRINTER	MULTIFUNCTIONAL PRINTER PAGE PRO 1580MF	5
22	INTEX LAN SWITCH	16 PORTLAN SWITCH	2
23	SAMSUNG CD W/R (W)	52X CD WRITER	1
24	DIGITAL SETUPBOX	DIGITAL SETUP BOX	1
25	PROJECTOR Multimedia	digital	4
26	D-LINKCAT BABLE	D-LINKCAT5 CABLE (305Mtr.)	1
27	INTEX UPS	500VA UPS OFFILINE	1
28	MICROPROCESSOR TRAINER	8086	2
29	I/O PORT	NETWORKING	140
30	SERVER	MID RANGE SERVERACER AT 350 MONITOR ACER V193HQL	01

SR no	Item	Configuration	Qty
1	C. R. O. Analog	20 MHz	16
2	Function Generator	3 MHz	10
3	MICROPROCESS TRAINER	8085	4
4	VLSI trainer	Universal	3
5	LCD Projector with Screen		3
6	Antenna RF Transmitter and Receiver Trainer	AKADEMIKA LAB SOLUTIONS(RFL-AMS-A)	2
7	Transmission line Analyser	Amitec-TLA-05	1
8	Microwave Test Bench	AKADEMIKA LAB SOLUTIONS	2
9	Microwave Bench	Lamda	1
10	DIGITAL OSCILLOSCOPE	Agilent(DSOX2024A),200Mhz	3
11	Spectrum Analyser	Keysight (N9342C)	1
12	GSM Trainer Kit	Scientech-2132A	2
13	Radar Trainer Kit	ABVOLT,AB15-651	2
14	Satellite Trainer Kit	ABVOLT,AB15-626	2
15	Convolution Encoder and Viterbi Decoder Kit		3
16	Block code encoder and decoder trainer kit		3
17	Chopper Trainer	Ni-Tech	2
18	Single Phase AC Voltage Controlled Rectifier	Ni-Tech	2
19	Single Phase Controlled Rectifier	Ni-Tech	2
20	Single Phase Dual Converter	Ni-Tech	1
21	Single Phase Inverter Trainer	Ni-Tech	2
22	Switch Mode DC-DC Converter Trainer	Ni-Tech	2
23	Three Phase AC Voltage Controller Trainer	Ni-Tech	2

24	Three Phase Inverter Trainer	Ni-Tech	2
25	Three Phase Rectifiers Trainer	Ni-Tech	2
26	Programmable Function Generator,1 Channel , 50 Mhz	Tektronix,AFG3051C, 1 channel, 50Mhz	1
27	Digital Multimeter (Bench Top)	Keysight-34401A	2
28	Digital Multimeter (Hand Hel)	FKUKE-287	2
29	Workbench Electronics		6
30	Tektronix Oscilloscope model: TDS 1002	TDS-1002	1
31	Tektronix Oscilloscope model: TDS 1012	TDS-1012	1
32	Audio Video Trainer Kits	ABVOLT	1
33	32 inch LCD TV	LG-B-103	2
34	Optical Fiber Lab	Kitek Make-FOCT-01	2
35	Arm 7 microcontroller trainer ""VPL"	VPL-ET2129	1
36	Digital Electronics Lab trainer	SIGMA-BBDM1005	2
37	Computers	DELL	20
38	Computers	ACER	25

Electrical Engineering Department		
Sr. No	**Lab**	**Major Equipments**
1	EEE- Control	Meters, synchro trans-receiver, THERMO COUPLE,LOAD CELL, PIEZO ELECTRIC TRANSDUCER
2	HV	HV tester, R,C divider
3	MACHINES	METERS,AC-DC machines, Panel for load test on 3 phase Induction motor, universal motor , repulsion motor, 3 phase and single phase variac
4	PROCESSOR-ELECTRONICS-MEASUREMENT	Digital, linear, power electronics kits, 8085,8086,8051 kits, Single Phase Series Inverter Three Phase AC Voltage Controller Trainer Three Phase Rectifiers Trainer, Bench isolated channels digital storage oscilloscope, high voltage probes for power measurement, current probe
5	PROTECTION/Power	GENERATOR,MOTOR, FEEDER PROTECTION UNITS

	system	

Mechanical Engineering Department		
Sr. No	**Lab**	**Major Equipments**
1	CAD/CAM	CNC Lathe machine trainer, Pro-E Software, Master cam software, Vertical Machining Centre.
2	FLUID POWER ENGG.	Kaplan Turbine Test Rig, Pelton Turbine Test Rig, Two Stage Reciprocating Air Compressor Test Rig
3	KINEMATICS & DYNAMICS	Cam analysis apparatus, Epy-cyclic gear train apparatus, Gyroscope with motor, Universal Governor
4	METROLOGY	Thermocouple calibration test ring, outside micrometer, Sine bar, vernier caliper, dead weight pressure
5	METTALURGY	Mettalurgical Microscope
6	THERMAL ENGG.	Water cooler & AC, Air conditioning test rig, Plate type heat exchanger appratus.
7	WORK SHOP	Hydraulic Hacksaw, Shaping, Sigma All geared Precision Lathe, Universal milling machine, Dynamometer

List of Experimental Setup

Branch: Civil Engineering
Practical List

List of Experimental Setup

Branch:- Civil/Appl. Mech. Engineering

SEM-1 & 2

Subject Name 1: BASIC CIVIL ENGINEERING Subject code: 3110004

Sr. No.	Name of the practical
1	Unit conversation Exercise
2	Chart preparation of various materials. Collection of rate and sample. (field visit)
3	Components of building (field visit)
4	Planning of a residential building(plan, elevation& section of simple 1 room)
5	Assignment based upon town planning module 4
6	Linear and angular measurements (Chain and Compass) (in field with instrument)
7	Introduction to Theodolite & total station.
8	Determine R.L of given point by Dumpy level. (in field with instrument)
9	Assignment based upon estimation.(simple, 1 room only)
10	Videos showing working of construction Equipment's
11	Presentation on BRTS / mass transportation system (city bus)
12	Seminar on green building & smart city

SEM-III

Subject Name 1: Geotechnical Engineering Subject code 3130606

List of practicals

Sr. No.	Name of the practical	Sr. No.	Name of the practical
1	In-situ Density Tests	7	Sieve analysis
2	Atterberg's Limit Test	8	Permeability Tests
3	Unconfined Compression Test	9	Proctor Compaction Test
4	Triaxial Compression Tests	10	Consolidation /Oedometer test
5	Laboratory Vane Shear Test	11	Direct Box Shear Test
6	SPT	12	CBR Test

Subject Name 2: Mechanics of Solids **Subject code 3130608**

Sr. No.	Name of the practical
1	Equilibrium of coplanar concurrent forces 3.
2	Equilibrium of coplanar non-concurrent forces
3	Equilibrium of coplanar parallel forces: Determination of reactions of simply supported beam
4	Verification of principle of moment: Bell crank lever
5	Determination of parameters of machines (Any two) (a) Wheel and differential axles (b) Single purchase crab (c) Double purchase crab (d) System of pulleys
6	

Subject Name 3: Building and Town Planning **Subject code 3130609**

Sr. No.	Name of the practical
1	Residential Planning: Two storied Building: Plans, elevation, section, lay-out plan, key plan, site plan, area table, schedule of opening.Scale-1:100.
2	Working Drawing: sheet should accommodate min. six types with sectional details of Sheet -1 Planning. (Furniture plan, Drainage lay out, Toilet Detail, Kitchen detail, Electrical plan etc.)
3	Perspective Drawing: Two point perspective of Sheet -1 Planning.
4	Public Building: Ground Floor plan, typical floor plan, elevation, section, lay-out plan, key plan, site plan, area table, schedule of opening.
5	(Prepare Building Drawing (2D, 3D model) of Sheet -1 Planning using Software

SEM-IV

Subject Name 1: SURVEYING **Subject code 3140601**

Sr. No.	Name of the practical
1	Plane table traversing by intersection and radiation methods projects
2	Techeometry Survey Project
3	Theodolite traversing and plotting of traverse by applying corrections in Gale's traverse table
4	Setting out simple circular curve by different methods

5	Setting out combined curve (Transition - Circular – Transition)
6	Computation of area of submergence and storage volume from contour maps for reservoir
7	Introduction to modern surveying Instruments

Subject Name 2: Fluid Mechanics & Hydraulics Subject code 3140611

Sr. No.	Name of the practical	Sr. No.	Name of the practical
1	Measurement of viscosity	7	Study of pressure measurement devices
2	Hydrostatic force and center of pressure on flat/curved surfaces	8	Determine Hydraulic coefficients of a small circular orifice.
3	Stability of Floating body	9	Calibration of flow measuring devices (Venturimeter, Orifice meter, Rectangular and V-notch)
4	Study Characteristics of Laminar and Turbulent flows (Reynolds experiment)	10	Pipe friction
5	Verification of Bernoulli Theorem	11	Uniform flow in Open Channel
6	Similitude and Model Studies	12	CBR Test

SEM-V

Subject Name 1: TRANSPORTATION ENGINEERING Subject code 3150611

Sr. No.	Name of the practical
1	Determination of aggregate crushing Value
2	Determination of aggregate impact value
3	Determination of Los Angeles Abrasion value
4	Determination of shape tests on aggregate
5	Determination of California Bearing Ratio values
6	Determination of viscosity of Bitumen
7	Determination of softening point of bitumen

8	Determination of ductility of the bitumen
9	Determination of flash point and fire point of bitumen
10	Determination of Bitumen content
11	Determination of stripping value of road aggregate
12	Determination of Marshall Stability value for Bituminous mix

Subject Name 2: PAVEMENT DESIGN AND HIGHWAY CONSTRUCTION
Subject code 3150613

Sr. No.	Name of the practical
1	Bituminous mix design
2	Determination of CBR value of various mix
3	Determination of overlay thickness

Subject Name 3: Soil Mechanics Subject code 3150615

Sr. No.	Name of the practical
1	Auger boring/sampling
2	Standard/dynamic cone penetration test
3	Static cone penetration test
4	In situ permeability test
5	Free swell and swell potential
6	Swelling pressure test
7	Model pile load test.
8	Planning site investigations for a real life problem- project mode tests

SEM-VI
Subject Name 1: ENVIRONMENTAL ENGINEERING Subject code 3160611

Sr. No.	Name of the practical
1	Physical Characterization of water: Turbidity, Conductivity, pH
2	Analysis of solids content of water: Dissolved, Settleable, suspended, total, volatile, inorganic etc.

3	Determination of Alkalinity and acidity
4	Determination of Hardness: total hardness, calcium and magnesium hardness
5	Determination of Chlorides
6	Determination of Optimum coagulant dose: Jar Test
7	Chemical Oxygen Demand (COD)
8	Dissolved Oxygen (D.O) and Biochemical Oxygen Demand (BOD)
9	Determination of residual chlorine in water
10	Bacteriological quality measurement: MPN,
11	Ambient Air quality monitoring (SPM, SOx, NOx)
12	Ambient noise measurement

Subject Name 2: Design of Reinforced Concrete structures Subject code 3160612

Sr. No.	Name of the practical
1	Full Design of following structures with detailing in A2 size drawing sheet covering all required details in structural drawing. (1) design of G+3 building (design manually & check with software) (2) Retaining wall/water tank
2	Software applications of Multi-storied building subjected to wind and earthquake forces
3	Preparation of EXCLE Worksheets for the design of various structural components of building and/or other structures of the syllabus.
4	Prepare at least one drawing in any CAD software (like AutoCAD) for design of structures conducted in the syllabus.

SEM-VII

Subject Name 1: DESIGN OF STEEL STRUCTURES Subject code 3170618

Sr. No.	Name of the practical
1	Full Design of at least 01 structure from the following with detailing in A2 size drawing sheet covering all required details in structural drawing. (1) Rivetted/Welded Plate girder (2) Foot over bridge (3) Gantry Girder
2	Solve at least 05 design examples from the topics covered in the syllabus.
3	Software applications of Connection design of Steel Framed structures & Industrial structures.
4	Preparation of EXCLE Worksheets for the design of various structural components of Plate Girder/ Gantry Girder/ Foot Over bridge.

5	Prepare at least one drawing in any CAD software (like AutoCAD) for design of structures conducted in the syllabus.

SEM-VIII

Subject Name 1: REPAIRS & REHABILITATION OF CONCRETE STRUCTURES
Subject code: 2180607

Sr. No.	Name of the practical
1	To perform a non-destructive and semi-destructive testing on the cast specimens of the beams using set up of Rebound hammer, UPSV, Core drilling etc. and there by prepare a report on the interpretation of the strength i.e quality of concrete based on NDT test results.
2	Take up Conditional Assessment of 5 different structures including Residential, Commercial, Industrial, and Government buildings, Private structures (old & new construction both). Prepare Rapid visual inspection data sheets of the same.
3	Prepare a report on the buildings surveyed, to highlight all the defects/deterioration seen through proper resolution photographs. The report must clearly indicate the distress – its source and symptoms.
4	To perform experiment to evaluate the Compatibility between the substrate material concrete and any repair material. (For instance comparing the Bond strength of Polymer modified mortar and Conventional Mortar with Concrete).
5	Experiment investigation to carry out the efficacy of repair material/ technique in enhancing the strength of concrete beam post cracking. (For instance, Cast a RCC beam, simulate cracking and then filling the crack with repair material and check the post-repair strength results).

Subject Name2: FOUNDATION ENGINEERING **Subject code: 2180609**

Sr. No.	Name of the practical
1	Plate load test (PLT)
2	Standard Penetration test (SPT)
3	Static and Dynamic Cone Penetration test (SCPT-DCPT)
4	Triaxial Shear Test (CD condition)
5	Consolidation test (on soft marine clays)
6	Swell Pressure test
7	CBR test

List of Experimental Setup

Branch: - Computer Science & Engineering

SEM-1

BEE : 3110005 : Basic Electrical Engineering

List of Practicals

Sr. No.	Name of the practical
1	Draw the symbols used in electrical and electronic circuit by drawing instruments.
2	Introduction and use of measuring instruments – voltmeter, ammeter, Clip On Meter, multi-meter, Resistors, Capacitors and Inductors.
3	To verify the Network theorems.
4	Perform Voltage, current and power measurerement in single phase AC circuit.
5	Measurement of Open circuit voltage & short circuit current of Series -parallel connected Solar PV Modules.
6	Demonstration of cut-section models of DC Motor, 3-phase AC & 1-phase AC Motor and Transformer.
7	Understanding of Residential Building electricity bills and Calculation of individual light Bill by students.
8	To verify the current and voltage relationships in three phase star and delta connections.
9	Demonstration of domestic installations like MCB, ELCB, Fuse, Earthing Plate etc.
10	Demonstration of various types of wires and cables.
11	Understanding of various safety precautions for electrical installations

WS : 3110012 : Workshop

List of practicals

Sr. No.	Name of the practical
1	INTRODUCTION ABOUT WORKSHOP AND STUDY ABOUT SAFETY RULES.
2	PERFORMANCE OF FITTING SHOP.
3	PERFORMANCE OF SHEET METAL WORK (TIN SMITHY).
4	PERFORMANCE OF CARPENTARY.
5	PERFORMANCE OF PLUMBING SHOP.
6	STUDY AND PERFORMANCE OF METAL JOINING PROCESS.

7	STUDY ABOUT BLACK SMITHY SHOP.
8	STUDY ABOUT CASTING SHOP.
9	INTRODUCTION ABOUT MACHINE SHOP.
10	Fluorescent Tubelight Wiring
11	Stair case Wiring
12	Mini Project-Make an Extension Board
13	To Implement Arduino code that will blink LED for 1 second.
14	To Connect LED and switch to Arduino board and Implement Arduino code that will turn On and OFF LED using switch.
15	Perform basic OS Commands
16	Study dreamweaver and implement webpage

EGD : 3110013 : Engineering Graphics & Design

List of practicals

Sr. No.	Name of the practical
1	Practice Sheet (dimensioning methods, different types of lines, construction of different polygon, divide the line and angle)
2	Plane scale and diagonal scale
3	Loci of points
4	Engineering curves
5	Projection of line
6	Projection of plane
7	Projection of solid, section of solid
8	Development of surfaces
9	Orthographic projection
10	Isometric projection
11	AutoCAD drawing of orthographic projection

PHY : 3110018 : Physics

Sr. No.	Name of the practical
1	Study of Forward and Reverse bias Characteristics of p-n junction diode
2	Study of Reverse bias characteristics of Zener diode.
3	Study of Forward bias Characteristics of Light Emitting Diode
4	Determination of Resistivity and Band Gap of Semiconductors by Four Probe Method at different temperatures.
5	(a) Study of the voltage and current of the solar cells in series and parallel combinations (b) Study of both the current–voltage characteristic and the power curve to find the maximum power point (MPP) and efficiency of a solar cell (c) Study of the application of solar cells.
6	(a) Determination of Planck's constant using Light Emitting Diode (LED) and draw the V-I characteristic for determine the value of Planck's constant. (b) Determination of Planck's constant by plotting a curve between Threshold voltage and wavelength of LEDs.
7	(a) To determine the Hall voltage developed across the sample material. (b) To calculate the Hall coefficient and the carrier concentration of the sample material.

SEM-2

Programmingfor Problem Solving: 3110003

List of practical

Sr. No.	Name of the practical
1	Write Hello world program.
2	Write a program to that performs as calculator (addition, multiplication, division, subtraction).
3	Write a program to calculate simple interest (i = (p*r*n)/100) i = Simple interest p = Principal amount r = Rate of interest n = Number of years
4	Write a C program to interchange two numbers
5	Write a C program to enter a distance in to kilometre and convert it in to meter, feet, inches and centimetre
6	Write a C program to find that the accepted number is Negative, or Positive or Zero.

7	Write a program to read marks of a student from keyboard whether the student is pass or fail(using if else)
8	Write a program to read three numbers from keyboard and find out maximum out of these three. (nested if else)
9	Write a C program to check whether the entered character is capital, small letter, digit or any special character.
10	Write a program to read marks from keyboard and your program should display equivalent grade according to following table(if else ladder) Marks Grade 100 - 80 Distinction 79 - 60 First Class 59 - 40 Second Class < 40 Fail
11	Write a C program to read no 1 to 7 and print relatively day Sunday to Saturday.
12	Write a C program to find out the Maximum and Minimum number from given 10 numbers
13	Write a C program to input an integer number and check the last digit of number is even or odd.
14	Write a program to generate first n number of Fibonacci series
15	Write a program to find out sum of first and last digit of a given number.
16	Write a C program to find the sum and average of different numbers which are accepted by user as many as user wants
17	Write a program to calculate average and total of 5 students for 3 subjects (use nested for loops).
18	Write a program to evaluate the series 1^2+2^2+3^2+……+n^2
19	Write a C program to find 1+1/2+1/3+1/4+....+1/n.
20	Write a program to evaluate the series sum=1-x+x^2/2!-x^3/3!+x^4/4!.....-x^9/9!
21	Write a program to print following patterns : i * ii * iii ***** * * * * * **** * * * * * * * *** * * * * * * * * ** * * * * * * * * * * * *
22	Write a program to print following patterns : i 1 ii 12345 iii 55555 iv 1 12 1234 4444 22 123 123 333 333 1234 12 22 4444 12345 1 1 55555
23	Write a program to print following patterns: i AAAAA ii ABCDE BBBB ABCD CCC ABC DD AB E A
24	Write a C program to read and store the roll no and marks of 20 students using array.
25	Write a program to replace a character in given string.
26	Write a program to reverse string
27	Write a function in the program to return 1 if number is prime otherwise return 0
28	Write a function Exchange to interchange the values of two variables, say x and y. illustrate the use of this function in a calling function
29	Write a C program to use recursive calls to evaluate F(x) = x – x 3 / 3! + x5 / 5 ! – x 7 / 7! + … xn / n!
30	Write a program to find factorial of a number using recursion
31	Write a function that will scan a character string passed as an argument and convert all lowercase character into their uppercase equivalents
32	Define a structure type struct personal that would contain person name, date of joining and salary using this structure to read this information of 5 people and print the same on screen.
33	Define structure data type called time_struct containing three member's integer hour, integer minute and integer second. Develop a program that would assign values to the individual number and display the time in the following format: 16: 40:51
34	Design a structure student_record to contain name, branch and total marks obtained. Develop a program to read data for 10 students in a class and print them.
35	Write a C program to swap the two values using pointers.
36	Write a C program to print the address of character and the character of string using pointer
37	Write a program for sorting using pointer
38	A file named data contains series of integer numbers. Write a c program to read all numbers from file and then write all odd numbers into file named "odd" and write all

	even numbers into file named “even”. Display all the contents of these file on screen

Basic Mechanical Engineering: 3110006
List of practical

Sr. No.	Name of the practical
1	To study about various types of boilers
2	To study about various types of Mounting and Accessories of Boilers.
3	To study about Internal Combustion engines.
4	To understand construction and working ofdifferent types of compressor
5	To demonstrate vapor compression refrigeration cycle of domestic refrigerator and window air conditioner.
6	To understand construction, working and application of clutches, coupling and brakes
7	To understand different arrangement and application of various power transmission drives

Basic Electronics: 3110016
List of practical

Sr. No.	Name of the practical
1	To measure DC voltage and current, AC voltage and current with multi-meter
2	To observe waveforms on oscilloscope, measure basic parameters amplitude and frequency of sine wave and square wave.
3	Obtain VI characteristics of semiconductor rectifier diode
4	To observe waveform at the output of half wave rectifier with and without filter capacitor. To measure DC voltage, DC current, ripple factor with and without filter capacitor
5	To observe waveform at the output of full wave rectifier with and without filter capacitor. To measure DC voltage, DC current, ripple factor with and without filter capacitor
6	To construct clipper circuits on breadboard and To observe waveforms at the output of clipper circuits
7	To construct clamper circuits on breadboard and To observe waveforms at the output of clamper circuits
8	To obtain common emitter characteristics of NPN transistor
9	To obtain common base characteristics of NPN transistor
10	To obtain characteristics of field effect transistor (FET)
11	Verify truth table of basic digital logic gates OR, AND, NOT, NAND, NOR, EX-OR, EX-NOR

SEM - 3
Data Structure: 3130702
List of practical

Sr. No.	Name of the practical
1	Introduction to pointers. Call by Value and Call by reference.
2	Introduction to Dynamic Memory Allocation. DMA functions malloc(), calloc(), free() etc.
3	Implement a program for stack that performs following operations using array.

	(a) PUSH (b) POP (c) PEEP (d) CHANGE (e) DISPLAY
4	Implement a program to convert infix notation to postfix notation using stack.
5	Write a program to implement QUEUE using arrays that performs following operations (a)INSERT (b) DELETE (c) DISPLAY
6	Write a program to implement Circular Queue using arrays that performs following operations. (a) INSERT (b) DELETE (c) DISPLAY
7	Write a menu driven program to implement following operations on the singly linked list. (a) Insert a node at the front of the linked list. (b) Insert a node at the end of the linked list. (c) Insert a node such that linked list is in ascending order.(according to info. Field) (d) Delete a first node of the linked list. (e) Delete a node before specified position. (f) Delete a node after specified position.
8	Write a program to implement stack using linked list.
9	Write a program to implement queue using linked list.
10	Write a program to implement following operations on the doubly linked list. (a) Insert a node at the front of the linked list. (b) Insert a node at the end of the linked list. (c) Delete a last node of the linked list. (d) Delete a node before specified position.
11	10. Write a program to implement following operations on the circular linked list. (a) Insert a node at the end of the linked list. (b) Insert a node before specified position. (c) Delete a first node of the linked list. (d) Delete a node after specified position.
12	Write a program which create binary search tree.
13	Implement recursive and non-recursive tree traversing methods inorder, preorder and postorder traversal.
14	Write a program to implement Queue Sort
15	Write a program to implement Merge Sort
16	Write a program to implement Bubble Sort
17	Write a program to implement Binary Search.

DBMS: 3130703

List of practical

Sr. No.	**Name of the practical**
1	To study DDL-create and DML-insert commands
2	Create table and insert sample data in tables.
3	Perform queries involving predicates LIKE, BETWEEN, IN etc.
4	To Perform various data manipulation commands, aggregate functions and sorting concept on all created tables.
5	To study Single-row functions.
6	Displaying data from Multiple Tables (join)
7	To apply the concept of Aggregating Data using Group functions.
8	To solve queries using the concept of sub query.
9	To apply the concept of security and privileges
10	To study Transaction control commands
11	Write Cursor

12	Write Trigger

Digital Fundaments: 3130704
List of practical

Sr. No.	Name of the practical
1	To study about various digital logic families and measuring parameters.
2	Configure diodes and transistor as logic gates and verify truth table of logic gates.
3	Configuring NAND logic gate as universal gate.
4	Configuring NOR logic gates as universal gate.
5	Implementation of SOP Boolean Logic Functions using logic gates and combinational circuits.
6	Implementation of POS Boolean Logic Functions using logic gates and combinational circuits.
7	Implement Half adder, Full adder, Half subtractor,Full subtractor as digital combinational circuits and verify their truth tables
8	Implement Decoder, Encoder and Code convertor as digital combinational circuit and verify their operations.
9	Implement Multiplexer and DE multiplexer circuits and verify their operations.
10	Study and configure RS, D, JK and T type flip flops and verify their truth tables.
11	Implement N- bit registers and counters and simulate their operations.
12	Perform an experiment which demonstrates function of 4 bit ALU.
13	Study configuration of A to D converters (Counter type ADC, Successive Approximation ADC) and D to A converter (Binary Weighted Resistor, R-2R Ladder).
14	Study about Different types of memories

SEM - 4
Operating System : 3140702
List of practical

Sr. No.	Name of the practical
1	Introduction to Linux and Study some basic and advance commands of Linux.
2	Introduction to shell scripts with example.
3	Write a shell script to generate mark sheet of a Student. Take 3 Subjects, calculate and display totalmarks,percentageandClassobtainedbythe student.
4	Write a shell script to find factorial of given number N.
5	Write a shell script which will accept a number and display first N prime numbers as output.
6	Write a shell script which will generate first N Fibonacci like: 1,1,2,3,5,13
7	Write a menu driven shell script which will print the following menu and execute given task. Menu is as follows: Display calendar of currentmonth Display today's date andtime Display username those are currently logged insystem Display your name at given x, yposition Display your terminalnumber Exit
8	Write a shell script to read a numbers as command arguments and sort them in descending order.
9	Write a shell script to display all executable files, directories and zero sized files from current directory.
10	Write a shell script to check entered string is palindrome or not.
11	Shell programming using filters (including grep, egrep, fgrep).
12	Study of Unix shell and Environment Variables.
13	Write a shell script to validate the entered date.

	(e.g. Date format is : dd-mm-yyyy).
14	Write a awk program using function, which convert each word in a given text into capital.
15	Write a program for process creating using C (Use of gcc compiler).

Object Oriented Programming – 1 : 3140705
List of practical

Sr. No.	Name of the practical
1	Write a Program that displays Welcome to Java, Learning Java Now and Programming is fun
2	Write a program that solves the following equation and displays the value x and y: 1) 3.4x+50.2y=44.5 2) 2.1x+.55y=5.9 (Assume Cramer's rule to solve equation ax+by=e x=ed-bf/ad-bc cx+dy=f y=af-ec/ad-bc)
3	Write a program that reads a number in meters, converts it to feet, and displays the result.
4	Write a program that prompts the user to enter three integers and display the integers in decreasing order
5	Body Mass Index (BMI) is a measure of health on weight. It can be calculated by taking your weight in kilograms and dividing by the square of your height in meters. Write a program that prompts the user to enter a weight in pounds and height in inches and displays the BMI. Note:- 1 pound=.45359237 Kg and 1 inch=.0254 meters
6	Write a program that prompts the user to enter a letter and check whether a letter is a vowel or constant.
7	Write a program that reads an integer and displays all its smallest factors in increasing order. For example if input number is 120, the output should be as follows:2,2,2,3,5
8	Write a method with following method header. public static int gcd(int num1, int num2) Write a program that prompts the user to enter two integers and compute the gcd of two integers.
9	Write a test program that prompts the user to enter ten numbers, invoke a method to reverse the numbers, display the numbers.
10	Write a program that creates a Random object with seed 1000 and displays the first 100 random integers between 1 and 49 using the NextInt (49) method
11	Write a program for calculator to accept an expression as a string in which the operands and operator are separated by zero or more spaces. For ex: 3+4 and 3 + 4 are acceptable expressions.
12	Write a program that creates an Array List and adds a Loan object , a Date object , a string, and a Circle object to the list, and use a loop to display all elements in the list by invoking the object's to String() method.
13	Write a program that generate 6*6 two-dimensional matrix, filled with 0's and 1's , display the matrix, check every raw and column have an odd number's of 1'
14	Write a program to create a file name 123.txt, if it does not exist. Append a new data to it if

	it already exist. Write 150 integers created randomly into the file using Text I/O. Integers are separated by space.
15	Write a program that displays the color of a circle as red when the mouse button is pressed and as blue when the mouse button is released.
16	Write a GUI program that use button to move the message to the left and right and use the radio button to change the color for the message displayed.
17	Write a recursive method that returns the smallest integer in an array. Write a test program that prompts the user to enter an integer and display its product

Computer Organization : 3140707

List of practical

Sr. No.	Name of the practical
1	To study about 8085 microprocessor architecture
2	Design Complete list of instructions set of 8085 Microprocessor
3	To study about 8085 simulator
4	Write and Test 8085 assembly language program that demonstrate the use of data transfer instructions
5	Write and Test 8085 assembly language program that demonstrate the use of arithmetic instruction.
6	Write and Test 8085 assembly language code to find the factorial of a number.(use of branching instructions)
7	Write and Test 8085 assembly language code to implement logical instructions.
8	write and test 8085 assembly language code to transfer block of data from one memory location to another location in memory
9	Write and Test 8085 assembly language code to arrange numbers in ascending order in memory location.
10	Write and test 8085 assembly language code to find minimum and maximum number from array of data stored in memory
11	Write and test 8085 assembly language code to add and subtract two 16 bits numbers.
12	Write and test 8085 assembly language code to implement subtraction using 2's and 1's complement method.
13	Use Booth algorithm to multiply given 2 numbers.
14	Design 1 bit ALU using Logisim.

SEM - 5

Analysis and Design of Algorithms: 3150703

List of practical

Sr. No.	Name of the practical
1	Implementation and Time analysis of sorting algorithms. Bubble sort, Selection sort, Insertion sort, Merge sort and Quick sort
2	Implementation and Time analysis of linear and binary search algorithm.
3	Implementation of max-heap sort algorithm
4	Implementation and Time analysis of factorial program using iterative and recursive method
5	Implementation of a knapsack problem using dynamic programming
6	Implementation of chain matrix multiplication using dynamic programming

7	Implementation of making a change problem using dynamic programming
8	Implementation of a knapsack problem using greedy algorithm
9	Implementation of Graph and Searching (DFS and BFS)
10	Implement prim's algorithm
11	Implement kruskal's algorithm
12	Implement LCS problem

Computer Networks : 3150710
List of practical

Sr. No.	Name of the practical
1	Study of different network devices in detail.
2	Study of different types of network cables and practically implement the cross-wired cable and straight through cable using crimping tool.
3	Study of basic network command and Network configuration commands.
4	Implement different LAN topologies using Network Simulator.
5	Implement the concept of VLAN using Network Simulator.
6	Implement the concept of static routing.
7	Implement the concept of dynamic routing (RIP, OSPF, BGP).
8	Packet capture and header analysis by wire-shark (TCP,UDP,IP).

Python for Data Science : 3150713
List of practical

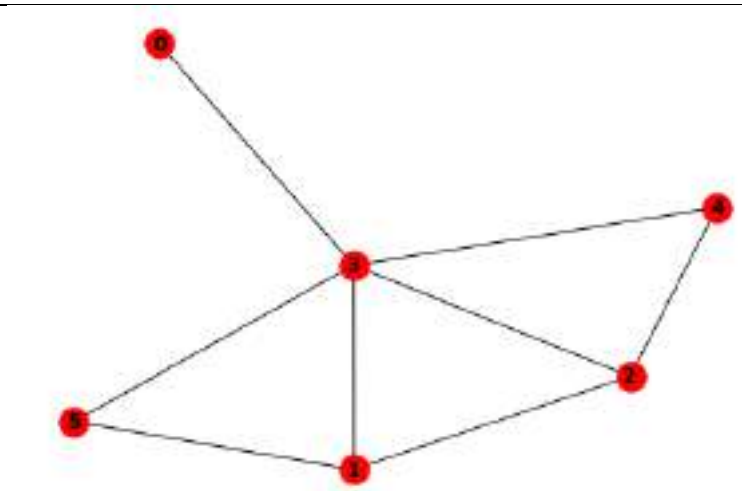
Sr. No.	Name of the practical
1	Python program to print all Prime numbers in an Interval.
2	Python Program for n-th Fibonacci number
3	Python Program for Sum of squares of first n natural numbers
4	Python Program for array rotation
5	Python Program to Split the array and add the first part to the end
6	Python Program to check if given array is Monotonic Input : 6 5 4 4 Output : true Input : 5 15 20 10 Output : false
7	Python program to find second largest number in a list
8	Python program to print even numbers in a list **Example:** **Input:** list1 = [2, 7, 5, 64, 14] **Output:** [2, 64, 14] **Input:** list2 = [12, 14, 95, 3] **Output:** [12, 14]
9	Program to print duplicates from a list of integers **Examples :** Input : list = [10, 20, 30, 20, 20, 30, 40, 50, -20, 60, 60, -20, -20] Output :output_list = [20, 30, -20, 60]

	Input : list = [-1, 1, -1, 8] Output :output_list = [-1]
10	Count occurrences of an element in a list Input :lst = [15, 6, 7, 10, 12, 20, 10, 28, 10] x = 10 Output : 3 10 appears three times in given list. Input :lst = [8, 6, 8, 10, 8, 20, 10, 8, 8] x = 16 Output : 0
11	Python program to find N largest elements from a list Input : [4, 5, 1, 2, 9] N = 2 Output : [9, 5] Input : [81, 52, 45, 10, 3, 2, 96] N = 3 Output : [81, 96, 52]

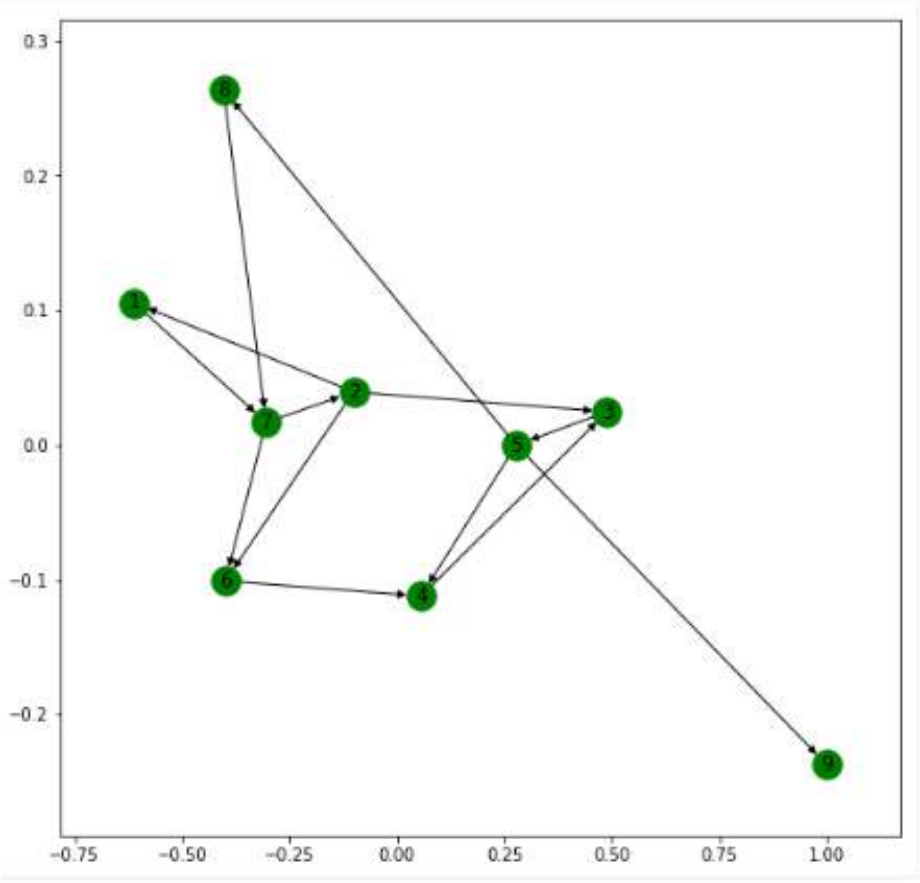
Set-2: Python Programming

Prog-1 (Pandas)	• https://raw.githubusercontent.com/mwaskom/seaborn-data/master/diamonds.csv Download dataset from given link and apply following operation on this dataset. 1. Write a Pandas program to read a csv file from a specified source and print the first 10 rows. 2. Write a Pandas program to read a dataset from diamonds DataFrame and modify the default columns values and print the first 6 rows. 3. Write a Pandas program to select a series from diamonds DataFrame. Print the content of the series. 4. Write a Pandas program to create a new 'Quality?color' Series (use bracket notation to define the Series name) of the diamonds DataFrame. 5. Write a Pandas program to find the number of rows and columns and data type of each column of diamonds Dataframe. 6. Write a Pandas program to rename two of the columns of the diamonds Dataframe. 7. Write a Pandas program to remove the second column of the diamonds Dataframe. 8. Write a Pandas program to remove multiple rows at once (axis=0 refers to rows) from diamonds dataframe. 9. Write a Pandas program to sort the 'cut' Series in ascending order (returns a Series) of diamonds Dataframe. 10. Write a Pandas program to sort the entire diamonds DataFrame by the 'carat' Series in ascending and descending order. 11. Write a Pandas program to filter the DataFrame rows to only show carat weight at least 0.3. 12. Write a Pandas program to find the details of the diamonds where length>5, width>5 and depth>5. 13. Write a Pandas program to drop all non-numeric columns from diamonds DataFrame. 14. Write a Pandas program to calculate the mean of each numeric column of diamonds DataFrame.

	15. Write a Pandas program to calculate count, minimum, maximum price for each cut of diamonds DataFrame.
Prog-2 (Matplitlib)	1. Write a Python program to plot two or more lines on same plot with suitable legends of each line. 2. Write a Python program to plot two or more lines and set the line markers. 3. Write a Python program to plot quantities which have an x and y position. 4. Write a Python programming to display a bar chart of the popularity of programming Languages. Sample data: Programming languages: Java, Python, PHP, JavaScript, C#, C++ Popularity: 22.2, 17.6, 8.8, 8, 7.7, 6.7 5. Write a Python program to draw a scatter plot comparing two subject marks of Mathematics and Science. Use marks of 10 students. Sample data: Test Data: math_marks = [88, 92, 80, 89, 100, 80, 60, 100, 80, 34] science_marks = [35, 79, 79, 48, 100, 88, 32, 45, 20, 30]
Prog-3 (NumPy)	1. Write a NumPy program to create an element-wise comparison (greater, greater_equal, less and less_equal) of two given arrays. 2. Write a NumPy program to create a null vector of size 10 and update sixth value to 11. [0. 0. 0. 0. 0. 0. 0. 0. 0. 0.] Update sixth value to 11 [0. 0. 0. 0. 0. 0. 11. 0. 0. 0.] 3. Write a NumPy program to find common values between two arrays. Expected Output: Array1: [0 10 20 40 60] Array2: [10, 30, 40] Common values between two arrays: [10 40] 4. Write a NumPy program to find the set difference of two arrays. The set difference will return the sorted, unique values in array1 that are not in array2. 5. Write a NumPy program to create a new shape to an array without changing its data. Reshape 3x2: [[1 2] [3 4] [5 6]] Reshape 2x3: [[1 2 3] [4 5 6]]
Prog-4	**1.draw this graph**



2. draw this graph and apply following operation



1. **PRINT TOTAL NUMBER OF NODES.**
2. **PRINT TOTAL NUMBER OF EDGES.**
3. **PRINT LIST OF ALL THE NODES.**
4. **PRINT LIST OF ALL THE EDGES.**
5. **PRINT IN-DEGREE FOR ALL THE NODES.**
6. **PRINT OUT-DEGREE FOR ALL THE NODES.**

	7. **PRINT TOTAL NUMBER OF SELF-LOOPS.** 8. **PRINT SUCCESSOR OF NODE 2.** 9. **PRINT PREDECESSOR OF NODE 2.**

Set-3: Beautiful soup, RE, NLP

Prog-1	Write a program to read html file using beautiful soup library and parse following information. 1. To read all the hyperlink 2. To real head part 3. To real table data After reading all the information show in proper format.
Prog-2	Write a Regular expression code to verify email address. Example: abc@gmail.com
Prog-3	Write NLP program using NLTK library to read text data from website and convert into appropriate feature table using Bag of words method.
Prog-4	Write NLP program using NLTK library to read text data from website and convert into appropriate feature table using TF-TDF method.

SEM - 6

Advance JAVA: 3160707

List of practical

Sr. No.	Name of the practical
1	Create simple program to send and display hello message using TCP and UDP
2	Create JSP Page with Different type of the Tags like Expression Tag, Scriplet Tag Etc.
3	Create JSP pages with Servlet file which contains following functions: 1. Connect 2. Create Database 3. Create Table 4. Insert Records into respective table 5.Update records of particular table of database 6. Delete Records from table. 7. Delete table and also database
4	Use following types in above practical: 1. Statement 2. Prepared statement 3. Callable statement
5	Create login form and perform state management using Cookies, Http session and URL Rewriting
6	Implement Authentication filter using filter API
7	Create database of student subject-wise data and retrieve all data using JSP.(in proper format)
8	Create JSP page to perform various operation on Result set
9	Create a custom tag in java which convert the input string into uppercase
10	Study and implement Hibernate
11	Study and implement JSF for event handling with Database
12	Study and Implement MVC using Spring Framework

Computer Networks &Security : 3160606

List of practical

Sr. No.	Name of the practical
1	Implement Caesar Cipher Encryption-Decryption.
2	Implement Monoalphabetic Cipher Encryption-Decryption.
3	Implement Playfair Cipher Encryption-Decryption.

4	Implement Hill Cipher Encryption-Decryption.
5	Implement RSA Encryption-Decryption Algorithm.
6	Implement Rail Fence. Analyze The Strength Of The Cipher In Terms Of Cryptanalysis.
7	Read Traffic Going On Network. Analyze The Traffic. Connect To Internet And Read What Is Going On Internet Using Wireshark.
8	Implement Euclid algorithm to find GCD.

Web Programming : 3160713

List of practical

Sr. No.	Name of the practical
1	Make resume with the help of basic HTML tags.
2	Write a HTML code to display student registration form.
3	Develop a website on your chosen topic only using HTML.
4	Use CSS in resume which was made using only HTML tags.
5	Write HTML snipped with CSS to 1. Change background color of webpage 2. Set an image as a background 3. Manipulate a background image so it can be repeated over an area
6	Write a CSS code that create table with odd rows white color and even rows blue color.
7	Write a CSS code to provide link after visited blue color and before visited red color.
8	Write the following styles in separate CSS file and also show how to link this CSS file in HTML file. 1. The headings should have normal font style and font size should be 120%. 2. Apply a background image “abcd.jpg”. Write a paragraph about it and define a class arial for paragraph which defines font family.
9	Use CSS in the website developed in Practical-1(4).
10	Write a JavaScript to find first 10 prime numbers.
11	Write a JavaScript to print characters of a string at odd position
12	Write a JavaScript that uses a loop that searches a word in sentence held in an array returning the index of the word.
13	Write a sample program to demonstrate how a user defined objects are created in JavaScript? How a constructor can be used to populate data object?
14	Design a form using HTML and JavaScript that asks the user to enter his date of birth and on clicking the Calculate Button it calls the function that calculates how many days are left in your birthday? (Age)
15	Design a login form using HTML & JavaScript with following validations on username and password fields. 1. Password length must be 6 to 12 characters 2. Username should not start with _, @ or number. 3. Both should not be blank.
16	Use JavaScript in the website developed in Practical-2(6).
17	Write PHP program to print whether given no is odd or even.
18	Write a PHP program to find whether entered year is leap year or not.
19	Write PHP program to print first N Fibonacci number.
20	Write a PHP script to print following pattern. 1 ab 234 cdef 56789
21	Create a database called country and create table called city having fields (cityname, area, population) using PHP commands. Create HTML form to get the city data and

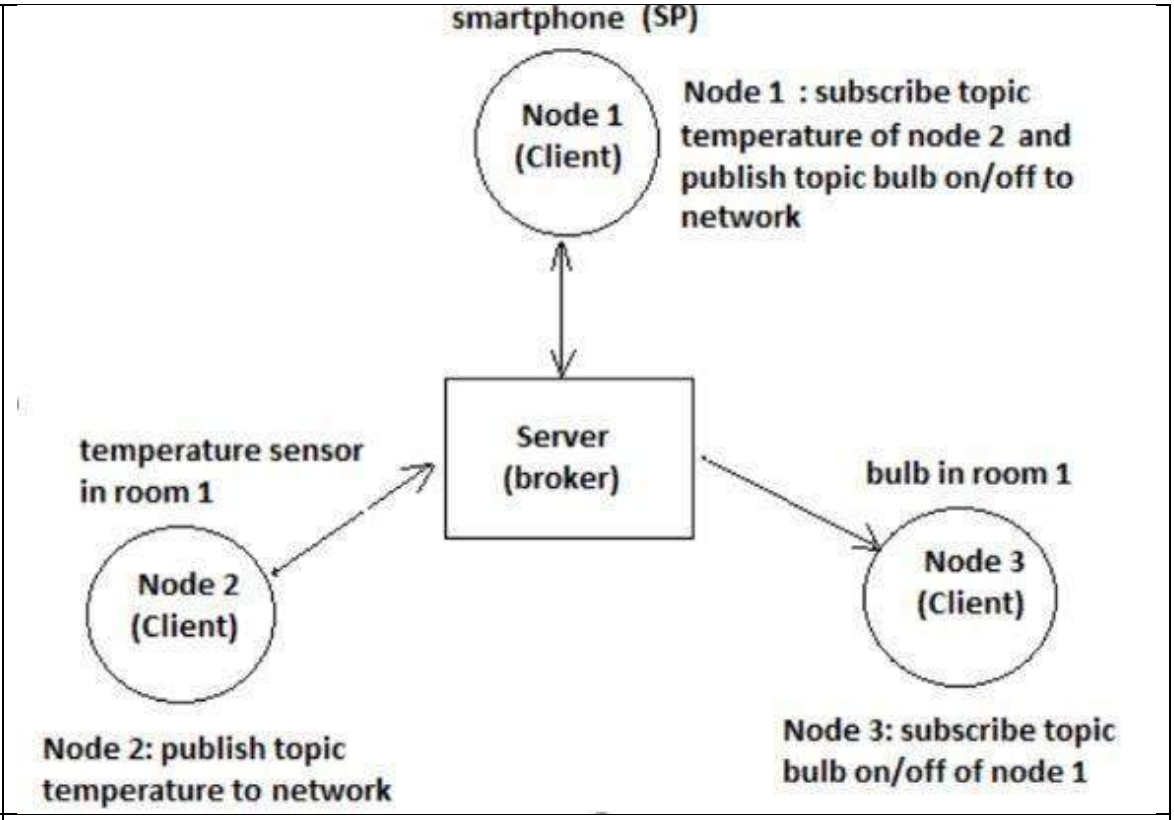
	write a script to insert that data into the table.
22	Write a PHP script to validate email address using Regular Expression when user click on SUBMIT button.
23	Write a PHP program to upload image. And also check file size should not greater than 30 KB.
24	Write PHP code to read data from a text file and display it in browser.
25	Use PHP and data connectivity in the website developed in Practical-3(7).
26	Using ajax retrieve data from a XML file and display it.
27	Create Image slider using JQuery.

Data Mining : 3160714
List of practical

Sr. No.	Name of the practical
1	Demonstrate the use of ARFF files taking input and display the output of the files.
2	Create your own excel file. Convert the excel file to .csv format and prepare it as ARFF files.
3	Preprocess and classify Customer dataset.
4	Perform Preprocessing, Classification techniques on Agriculture dataset.
5	Preprocess and classify Weather dataset.
6	Perform Clustering technique on Agriculture dataset.
7	Classify the dataset using a decision tree.
8	Perform Association technique on Customer dataset.
9	Compare various Data Mining techniques available in WEKA
10	Apply filters on the customer dataset using WEKA.
11	Demonstration of Weka Explorer, Mining techniques and Attribute Relation File Format (ARFF).
12	Basics Of R Programming

Internet of Things: 3160716
List of practical

Sr. No.	Name of the practical
1	ESP8266 as Web server - host a simple webpage for controlling (on/off) LED on esp8266.
2	ESP8266 + Thing speak - Send periodic temperature data to cloud using esp8266.
3	Interface ultrasonic sensor with ESP8266. Print distance to an object present in front of sensor. If no object is there print no obstacle.
4	Interface MQ2 smoke sensor with ESP8266. Use it for detecting gas concentration above 300 ppm.
5	Set up Raspberry Pi. Control LED attached to raspberry pi using python programming. Use IDE of your convenience.
6	Relay + ESP8266 - Control light by connecting physical switch with relay using ESP8266
7	Implement as shown in image attached. Choose any form of broker as you wish.

	
8	Implement a system which opens up a door when some known person visits your house using Raspberry Pi using python programming.
9	Implement a system which opens up a door when some known person visits your house using Raspberry Pi using python programming.
10	Explain working of LDR. Interface LDR with ESP8266. Implement a system which triggers an alarm when value of ldr sensor goes above 20.

SEM-7

Compiler Design: 2170701

List of practical

Sr. No.	Name of the practical
1	To Study about Lexical Analyzer Generator (LEX) and Flex (Fast Lexical Analyzer).
2	Write a C program to identify whether a given line is a comment or not.
3	Write a C program to test whether a given identifier is valid or not.
4	Write a C program to simulate lexical analyzer for validating operators.
5	Design a lexical analyzer for given language and the lexical analyzer should ignore redundant spaces, tabs and new lines. It should also ignore comments. Although the syntax specification states that identifiers can be arbitrarily long, you may restrict the length to some reasonable value. Simulate the same in C language.
6	Implement following programs using Lex. a. Create a Lexer to take input from text file and count no of characters, no. of lines & no. of words. b. Write a Lex program to count number of vowels and consonants in a given input string.
7	Implement following programs using Lex. a. Write a Lex program to print out all numbers from the given file.

	b. Write a Lex program to printout all HTML tags in file. c. Write a Lex program which adds line numbers to the given file and display the same onto the standard output.
8	Write a Lex program to count the number of comment lines in a given C program. Also eliminate them and copy that program into separate file.
9	Write a C program for implementing the functionalities of predictive parser for the mini language.
10	Write a C program for constructing of LL (1) parsing.
11	Write a C program for constructing recursive descent parsing.
12	Write a C program to implement LALR parsing.
13	Write a C program to implement operator precedence parsing.
14	To Study about Yet Another Compiler-Compiler(YACC).
15	Create Yacc and Lex specification files to recognizes arithmetic expressions involving +, -, * and / .
16	Create Yacc and Lex specification files are used to generate a calculator which accepts integer and float type arguments.

Information and Network Security: 2170709

List of practical

Sr. No.	Name of the practical
1	Implement Caesar cipher encryption-decryption
2	Implement Monoalphabetic cipher encryption-decryption
3	Implement Playfair cipher encryption-decryption
4	Implement Polyalphabetic cipher encryption-decryption
5	Implement Hill cipher encryption-decryption
6	To implement Simple DES or AES
7	Implement Diffi-Hellmen Key exchange Method
8	Implement RSA encryption-decryption algorithm
9	Write a program to generate SHA-1 hash
10	Implement a digital signature algorithm
11	Perform various encryption-decryption techniques with cryptool
12	Study and use the Wireshark for the various network protocols

Mobile Computing and Wireless Communication : 2170710

List of practical

Sr. No.	**Name of the practical**
1	Write a program to simulate Fixed Time Division Multiplexing. Take 12 stations. Every Station has time slice of 417 microseconds. Delay should be 10ms. Every time the station Gets turn, it shows message.
2	Write a program to display Hello Message in Android.
3	Write a program to create Toast Message in Android.

4	Develop calculator application in Android.
5	Write a program to create Menu List In Android.
6	Write a program to create Calendar in Android.
7	Write a program to find hamming distance. For example Hamming distance d(v1 ,v2)=3 if v 1=011011,v2=110001.
8	Write a program to perform Bluetooth file transfer.
9	Develop an android app which displays a form to get information from user.
10	Using Android, Create a login Activity. It asks "username" and "password" from user. If username and password are valid, it displays Welcome message using new activity.
11	Write a program that identifies the Bluetooth devices in the wireless range.

Data Mining and Business Intelligence: 2170715

List of practical

Sr. No.	Name of the practical
1	Demonstrate the use of ARFF files taking input and display the output of the files.
2	Create your own excel file. Convert the excel file to .csv format and prepare it as ARFF files.
3	Preprocess and classify Customer dataset.
4	Perform Preprocessing, Classification techniques on Agriculture dataset.
5	Preprocess and classify Weather dataset.
6	Perform Clustering technique on Agriculture dataset.
7	Classify the dataset using a decision tree.
8	Perform Association technique on Customer dataset.
9	Compare various Data Mining techniques available in WEKA
10	Apply filters on the customer dataset using WEKA.
11	Demonstration of Weka Explorer, Mining techniques and Attribute Relation File Format (ARFF).
12	Basics Of R Programming

SEM - 8

Artificial Intelligence: 2180703

List of practical

Sr. No.	Name of the practical
1	Write a Turbo PROLOG program for Family Relationship
2	Write a Turbo PROLOG program that list address in a label form, each address should list a name, one-line address, city, state & ZIP code.
3	Write a Turbo PROLOG program for diagnosis the childhood.
4	Write a Turbo PROLOG program to calculate the roots of quadratic equation (Consider all possibilities real, equal, imaginary).
5	Write a Turbo PROLOG program based on Reversing list.
6	Write a Turbo PROLOG program checking for password.
7	Write a Turbo PROLOG program for Arithmetic Operations - Factorial - Fibonacci Series

8	Write a Turbo PROLOG program to find Minimum from given 3 Numbers.
9	Write a Turbo PROLOG program to implement Tower of Hanoi.
10	Write a Turbo PROLOG program for finding the average salary of an employee and for adding and deleting employees from the database.

Python Programming: 2180711

List of practical

Sr. No.	Name of the practical
1	Write a python program to implement Fibonacci sequence for given input.
2	Write a python program to implement isPalindrome() function to check given string is palindrome or no.
3	Write a python program that finds the factorial of a natural number n.
4	Write a Python program to remove duplicates from a list
5	Write a Python program to find the second smallest number in a list
6	Write a Python program to sort a dictionary by key
7	Write a Python program to remove an item from a tuple.
8	Write a Python program to reverse a tuple
9	Write a Python program to check if a set is a subset of another set
10	Write a python program to implement Student class which has method to calculate CGPA. Assume suitable class variables.
11	Write a python program to implement multiple inheritance.
12	Write a python program that creates a class Student having attributes {Enrollement_No, Name} and methods set_data that takes the values from the user and assigns them to attributes of the class and an operator overloading function that converts Student object to string. Also create a Class variable student_count that will maintain the count of Student Instances and a method that will display this count.
13	Write a Python program to create class GTU with attributes like class variable cnt, instance variables x and y, instance methods get_value and print_value.
14	Write a python program that reads a text file and changes the file by capitalizing each character of file.
15	Write a python program to read line by line from a given files file1 & file2 and write into file3.
16	Write a python program to implement linear search and binary search.
17	Write a python program to implement merge sort.
18	Write a python program to implement Caesar cipher.
19	Write a python GUI program to implement calculator using Tkinter library.
20	Write a simple python program that draws a line graph where x = [1, 2, 3, 4] and y = [1, 4, 9, 16] and gives both axis label as “X-axis”and “Y-axis” using pylab.
21	Develop chat application using Multithreading in Python
22	Draw Circle and Triangle shapes using Turtle and fill them with red color

<u>List of Experimental Setup</u>

Branch: - Electronics & Communication Engineering

SEM-1

Subject Name 1 : Workshop/ Manufacturing Practices

Subject code : 3110012

List of Practical's

Sr. No.	Name of the practical
1	Introduction to basic electronics components and its testing: Resistors, Inductors, Capacitor, Diode, BJT.
2	Introduction to testing and Measurement Instruments: Power Supply, Function Generator, and Oscilloscope.
3	Introduction to Arduino starter kits or raspberry pi.

SEM-II

Subject Name : Basic Electronics
Subject code : 3110016

List of Practical's

Sr. No.	Name of the practical
1	To measure DC voltage and current, AC voltage and current with multi-meter.
2	To observe waveforms on oscilloscope, measure basic parameters amplitude and frequency of sine wave and square wave.
3	Obtain VI characteristics of semiconductor rectifier diode.
4	To observe waveform at the output of half wave rectifier with and without filter capacitor. To measure DC voltage, DC current, ripple factor with and without filter capacitor.
5	To observe waveform at the output of full wave rectifier with and without filter capacitor. To measure DC voltage, DC current, ripple factor with and without filter capacitor.
6	To construct clipper circuits on breadboard and To observe waveforms at the output of clipper circuits.
7	To construct clamper circuits on breadboard and To observe waveforms at the output of clamper circuits.
8	To obtain common emitter characteristics of NPN transistor.
9	To obtain common base characteristics of NPN transistor.
10	To obtain characteristics of field effect transistor (FET).
11	Verify truth table of basic digital logic gates OR, AND, NOT, NAND, NOR, EX-OR, EX-NOR.

SEM-III

Subject Name : Control Systems
Subject code : 3131101

List of Practical's

Sr. No.	Name of the practical
1	To Obtain Transfer Function From Zeros And Poles
2	To Obtain Zeros And Poles From Transfer Function

3	To Obtain Step Response Of A Transfer Function
4	To Obtain Impulse Response Of A Transfer Function
5	To Obtain Ramp Response Of A Transfer Function
6	To Obtain Time Response Of A Second Order System
7	To Obtain Transfer Function Of A D.C Motor
8	To Obtain State Model From Transfer Function
9	To Obtain State From Zeroes And Poles
10	To Obtain Zeros And Poles From State Model
11	To study about PID CONTROLLER.
12	To study about LAG and LEAD COMPENSATORs.

Subject Name : Network Theory
Subject code : 3131103

List of Practical's

Sr. No.	**Name of the practical**
1	To measure and calculate currents and voltages for a given resistive circuit and verify KCL and KVL.
2	To study and verify superposition theorem experimentally for a given resistive circuit consisting two independent sources.
3	To study and verify Thevenin's theorem experimentally for a given circuit.
4	To study and verify Norton's theorem experimentally for a given circuit.
5	To study and verify maximum power transfer theorem experimentally for a given circuit.
6	To study and verify reciprocity theorem experimentally for a given circuit.
7	To measure and calculate RC time constant for a given RC circuit.
8	To measure and calculate RL time constant for a given RL circuit.
9	To measure and analyze (settling time, overshoot, undershoot, etc.) step response of for a given series RLC circuit for following cases: (1) $\zeta = 1$ (critically damped system), (2) $\zeta > 1$(over damped system), (3) $\zeta < 1$ (under damped system). Choose appropriate values of R, L, and C to obtain each of above cases one at a time.
10	To measure and calculate Z-parameters for a given two-port system.
11	To measure and calculate Y-parameters for a given two-port system.
12	To measure and calculate h-parameters for a given two-port system.
13	To measure and calculate ABCD-parameters for a given two-port system

Subject Name : Digital System Design
Subject code : 3131102

List of Practical's

Sr. No.	Name of the practical
1	Getting familiar with various digital integrated circuits of different logic families. Study of datasheet of these circuits and see how to test these circuits using Digital IC Tester.
2	Configure transistor as logic gates and Digital ICs for verification of truth table of logic gates.
3	Configuring NAND and NOR logic gates as universal gates.
4	Implementation of Boolean Logic Functions using logic gates and combinational circuits. Measure digital logic gate specifications such as propagation delay, noise margin, fan in and fan out.
5	Study and configure various digital circuits such as adder and subtractor.
6	Study and configure multiplexer and demultiplexer circuits.
7	Study and configure Binary to gray and gray to binary code converters.
8	Study and configure RS flip-flop, JK flip-flop,D flip-flop and T flip-flop.
9	Study and configure negative edge trigger of 3-bit up and down counter.
10	Introduction to HDL. Use of Verilog HDL in simulation of digital circuits studied in previous sessions using integrated circuits. Illustrative examples using FPGA or CPLD boards.

SEM-IV

Subject Name : Analog Circuit Design Subject
Subject code : 3141002

List of Practical's

Sr. no.	List of Practical
1	To build transistor based RC phase shift oscillator circuit, measure and verify its frequency of operation.
2	Measurement of input and output offset voltage of 741 ICs.
3	To configure op-amp in voltage follower mode and to measure its slew rate.
4	To configure op-amp in inverting and non-inverting amplifier mode and measure their gain and bandwidth.
5	To measure PSRR and CMRR of given op-amp.
6	To prepare full-wave rectifier using op-amp and verify its operation using measurements.
7	To design Schmitt trigger circuit using op-amp and take measurements of V_{lt} and V_{ut}.
8	Design and test a function generator that can generate square wave and triangular wave output for a given frequency.
9	To design, build astable and monostable multivibrators using 555 IC and verify their operation using measurements by observing waveforms.

10	Design butter-worth band-pass filter for the given higher and lower cut-off frequencies.

Subject Name : Signals and Systems
Subject code : 3141005

List of Practical's

Sr. No.	Name of the practical
1	Introduction to Matlab and Signal Processing Toolbox.
2	Generation of Sine, Cosine Sequences
3	Generation of Impulse, Ramp, Step, Exponential & Rectangular Sequences.
4	Folding of Given sequence
5	Shifting of Given sequence
6	Impulse Response of Given Sequence.
7	Z-transform of given sequence.
8	Inverse Z-transform of given sequence.
9	Linear convolution of given Sequence.
10	Deconvolution of given Sequence.

Subject Name : Electronics Measurement Laboratory
Subject code : 3141010

List of Practical's

Sr. No.	Name of the practical
1	To study & learn how to operate a Cathode-ray Oscilloscope.
2	Study of Function Generator and its applications.
3	To observe lissajous pattern on CRO.
4	To measure the value of unknown resistance using Wheatstone bridge.
5	Measurement of inductance by Maxwell's bridge.
6	Measurement of capacitance by Schering Bridge.
7	To plot a graph of displacement in mm v/s output (AC mv) using LVDT.
8	To plot the characteristics of Thermister.
9	Experimental study for the characteristics of ADC and DAC
10	Error compensation study using Numerical analysis using MATLAB

Subject Name : Microprocessor and Microcontroller
Subject code : 3141008

List of Practical's

Sr. No.	Name of the practical

1	Understand Arduino open source hardware and programming environment and write a program to blink LED using Arduino instructions, C language & Assembly language.
2	Interface Digital/Analog input output interfacing module with Arduino board and write programs related to I/O module
3	Generate PWM waveform and change intensity of LED connected with Arduino board
4	Write and execute an Arduino program for serial communication. Transmit temperature value through serial communication and store it in spreadsheet or text file
5	Write and execute Arduino program to display message and numbers on LCD, GLCD and TFT
6	Write and execute an Arduino program to read analog value. Sense temperature using LM35 sensor and display temperature value on LCD
7	Write assembly language programs for ATMega32 Microcontroller and simulate using ATMEL Studio
8	Understand hardware of ATMega32 Kit. Write program to flash LEDs, Read status of switches, Display count values on seven segment display. Upload programs in the kit one by one and execute.
9	Write a program to read switch status and display it on LCD. Write program in Assembly as well as C language.
10	Write a program to rotate stepper motor in half step and full step mode in Assembly as well as C language. Simulate program using PROTEUS software
11	Write program to rotate DC motor in clockwise and anti-clockwise direction in Assembly as well as C language. Simulate program using PROTEUS software.
12	Observe waveforms of I2C and SPI communication and understand I2C and SPI protocol
13	Write Arduino program to receive IR Signal from IR remote and operate Electrical device based on switch pressed.

SEM-V

Subject Name : VLSI Design
Subject code : 3151105

List of Practical's

Sr. No.	Name of the practical
1.	Introduction to programmable devices (FPGA, CPLD) and Hardware Description Language (VHDL)s
2.	Use of programming tool (Xilinx)
3.	Implementation of basic logic gates and its testing.
4.	Implementation of adder circuits and its testing.
5.	Implementation 4 to 1 multiplexer and its testing.
6.	Implementation of 3 to 8 decoder and its testing.
7.	Implementation of 8 to 3 priority encoder and its testing.

8.	Implementation of J-K and D Flip Flops and its testing.
9.	Implementation of sequential adder and its testing.
10.	Implementation of BCD counter and its testing.
11.	Implementation of 4-bit multiplier circuit and its testing.
12.	Introduction to SPICE code and Back End Design for VLSI.
13.	Simulation of CMOS Inverter using SPICE for transfer characteristic**.**
14.	Simulation and verification of two input CMOS NOR gate using SPICE.
15.	Implementation and simulation of given logic function.
16.	Introduction to Back End Design and Layout Design Techniques.
17.	To generate layout for CMOS Inverter Gate.
18.	To generate layout for CMOS NAND Gate.
19.	To generate layout for CMOS NOR Gate.

Subject Name : Advanced Microcontroller
Subject code : 3151107

List of Practical's

Exp. No.	**List of Practical**
1.	To implement and simulate ARM Assembly language programs for different problems
2.	To interface LED with ARM microprocessor and write program to blink LED at interval of 1 second
3.	To interface Switch with ARM Microprocessor and write program in C language to read status of switch
4.	To interface Seven Segment with ARM Microprocessor and write program to display 0 to 9 at the interval of 1 second
5.	To interface LCD with ARM Microprocessor. Write and execute program in C language for displaying text messages and number on LCD
6.	To interface DC Motor with ARM Microprocessor. Write program to rotate DC Motor in clockwise and anti-clockwise direction with different speeds
7.	To interface Stepper Motor with ARM Microprocessor. Write a program to rotate motor in half step and full step mode
8.	Programming NodeMCU with Arduino IDE or Micropython. Write and execute programs for device control using Android App and NodeMCU
9.	Write a program to control devices using webpages and NodeMCU
10	Write a program to read analog value from sensors (light, temperature, humidity, etc.) using NodeMCU and upload data on cloud

Subject Name : Python Programming
Subject code : 3151108

List of Practical's

Sr.No.	List of practical
1.	Write Python Program to understand list and tuple.
2.	Write a program which uses Conditional and Loops statements.
3.	Write a python program to create functions and use functions in programs.
4.	Import module and use it in a python program
5.	Write python program to plot data using pyplot
6.	Write a python program to read existing CSV file, concatenate two column and create new file.
7.	To become familiar with MicroPython and NodeMCU. Configure NodeMCU for MicroPython
8.	Write a program in micropython to send digital data on GPIO pins of NodeMCU and glow LED connected with NodeMCU or any other MicroPython supported boards
9.	Connect Digital/Analog I/O module with NodeMCU and write a program to display temperature in micropython
10.	Connect NodeMCU with wifi access point and transmit data from NodeMCU to cloud. Connect Digital/Analog I/O module with NodeMCU and send temperature and light data on cloud (Thingspeak, Firebase or any other cloud service).

Subject Name : Robotics and Automation
Subject code : 3151110

List of Practical's

Sr. No.	Name of the practical
1	Introduction to Robotic controller card like Arduino UNO board.
2	Interfacing drivers for Arduino Controller for Robotic application.
3	Various sensor interfacing with Robotic Controller like Arduino UNO board.
4	To simulate simple robotic system using Matlab/ Msc Adam software.
5	Matlab program for simple and inverse kinematics of simple robot configuration.
6	To simulate joint torque control of manipulator.
7	To study feedback control of robot manipulator.
8	To study adaptive control of robot manipulator.
9	To study different methods of speed control of dc Motor.
10	To study speed control of stepper motor using microcontroller.
11	To study robotic programming language like AL and AML.

Subject Name : Power Electronics

Subject code : 3151106

List of Practical's

Sr. No.	Name of the practical
1	To obtain V-I Characteristics of SCR (Silicon Controlled rectifier).
2	To study and plot characteristics of DIAC.
3	To obtain the VI characteristics of TRIAC for both forward and reverse biased conduction.
4	To study resistance and RC triggered circuit of an SCR.
5	To study UJT as an relaxation oscillator and SCR firing circuit using UJT.
6	To study and observe the wave form of single phase half controlled converters with resistance and reactive load.
7	To study and observe the wave form of single phase full controlled converter with resistance and reactive load.
8	To study step up and step down chopper.

Subject Name : Analog and Digital Communication
Subject code : 3151104

List of Practical's

Sr. No.	Name of the practical
1	To study and generate amplitude modulation (AM) waveform and to measure modulation index of AM wave using waveform method.
2	To study and generate frequency modulation (FM) waveform
3	To extract an information signal from the AM wave using a diode detector.
4	To extract information signal from the FM wave using FM detector.
5	To study and obtain frequency response of pre-emphasis and de-emphasis circuit
6	To generate an SSB signal and demodulate it using a product detector.
7	To understand block diagrams of superheterodyne AM and FM receiver.
8	To study the working principle of AGC circuits.
9	To study and perform Pulse Amplitude Modulation (PAM) and its demodulation process.
10	To study and perform Pulse Width Modulation (PWM) and its demodulation process.
11	To study and perform Time Division Multiplexing and its demultiplexing processes.

SEM-VI

Subject Name : Fiber Optic Communication
Subject code : 3161005

List of Practical's

Sr. No.	Name of the practical
1	Introduction of fiber optic communication system.
2	To study optical fiber cable and different optical fiber losses.
3	To study about fiber splices, joints and connectors.
4	To study about transmission and reception of analog signals using fiber optic cable.
5	To study about transmission and reception of digital signals using fiber optic cable.
6	To measure the numerical aperture (N.A.) of the fiber optic cable.
7	To study characteristics of LED.
8	To study LASER diode.
9	To study about Photodiodes.
10	To study optical time domain Reflectometer (OTDR).

Subject Name : Computer Networks
Subject code : 3161007

List of Practical's

Sr. No.	Name of the practical
1	To study Internetworking Devices
2	To study IP addressing Schemes
3	Develop a C program to convert the given IP address from Decimal to binary.
4	Develop a C program to convert the given IP address from binary to decimal
5	To study Network Commands.
6	To study RS-232 serial Communication.
7	To develop a C program for Character Transfer using RS-232.
8	To develop a C program for Bit Stuffing.
9	To Study LAN and Prepare a LAN Layout for Computer Center
10	To Study LAN Trainer Kit from BenchMark.
11	To Study MAC-Aloha Protocol on LAN –T

12	To Study MAC-CSMA Protocol on LAN –T
13	To Study MAC-CSMA-CD Protocol on LAN –T
14	To Study Stop and wait Protocol on LAN –T.

Subject Name : Sensors and Transducers
Subject code : 3161008

List of Practical's

Sr. No.	Name of the practical
1	To find the value of unknown resistor using Wheatstone bridge.
2	To find the value of unknown capacitance and inductance using Maxwell's bridge.
3	Design signal conditioning circuit using Op-Amp and temperature sensor.
4	Verify characteristic of RTD and find out sensitivity.
5	Verify characteristic of Thermocouple and design signal conditioning circuit .
6	Verify characteristic of variable resistor transducer (strain gauge).
7	Measurement of distance using LVDT plot ac and dc characteristics.
8	Interface Load Cell with Arduino and display weight.
9	Interface accelerometer with Arduino.
10	Interface gyroscope with Arduino.
11	Interface Tilt Sensor with Arduino .

Subject Name : Embedded systems
Subject code : 3161009

List of Practical's

Sr.No	List of practical
1	Introduction to Programming Environment and MSP430 microcontroller.
2	To write a program to turn LED on and off connected with port-1.
3	To study and write a program to multiply two unsigned 32-bits values and stored result in 64-bits.
4	To study and implement Universal Asynchronous Receiver/Transmitter(UART)protocol to send and receive data on port.
5	To study and implement Serial Peripheral Interface (SPI) protocol to send and receive data on port.
6	To study and implement Inter Integrated Circuit (I2C) protocol to send and receive data on port.
7	To study and implement Analog to Digital conversion of signal received on port.

8	To study and implement Digital to Analog conversion to generate sine wave signal.
9	To study and test various Power Down modes in MSP430
10	To study and implement Pulse Width Modulation (PWM) to control the servo motor.

Subject Name : Satellite Communication
Subject code : 3161010

List of Practical's

Sr. No.	Name of the practical
1	Understanding concepts of satellite communication.
2	To setup direct link between uplink transmitter and downlink receiver using Tone Signal
3	To Setup an Active satellite communication link and demonstrate link fail Operation.
4	To study the satellite transponder
5	To setup up satellite communication link with the help of video camera.
6	To setup an Audio Video transmission through Satellite link.
7	To transmit & receive the Function Generator waveforms through a satellite communication link.
8	To transmit Tone through satellite link.
9	To determine the audio signal bandwidth of the satellite link

Subject Name : Antennas and Wave Propagation
Subject code : 3161003

List of Practical's

Sr. No.	Name of the practical
1	To study different types of antenna.
2	To study the phenomenon of linear, circular and elliptical polarization.
3	To find out the Beam Area of antenna.
4	To find out the Directivity (normal value and dB value) of antenna.
5	Radiation Pattern of an Omni-Directional Antenna.
6	Radiation Pattern of a Directional Antenna
7	Radiation Pattern of Endfire Antenna.
8	Radiation Pattern of Broadside Antenna.

9	Radiation Pattern of Yagi Antenna
10	Radiation Pattern of Monofilar Axial Mode Helix Antenna

Subject Name : System Engineering
Subject code : 3161013

List of Practical's

Sr. No.	Name of the practical
1	Study of Project Management Software Platform / Tools.
2	Study of Project Life Cycle Software Platform / Tools.
3	Study of Need Analysis Software Platform / Tools.
4	Study of Requirement Analysis Software Platform / Tools.
5	Study of Model Based Engineering Software Platform / Tools (UML, SysML, MATLAB, Simulink, Labview etc.)
6	Design of cyber-electro-mechanical system.
7	System Design of Unmanned Aerial Vehicle (UAV).
8	System Design of Battery-Operated Electric Vehicle.
9	System Design of Automated Robotic Arm.
10	System Design of Underwater Vehicle.
11	System Design of Nano-Satellite for Local Communication.
12	System Design of Smart Meter for Air Quality Monitoring /Control.
13	System Design of Smart Meter for Water Quality/ Water Management Monitoring/ Control.
14	System Design of Smart Meter for Electricity distribution/ Management Monitoring/ Control.

SEM-VII

Subject Name : Wireless Communication
Subject code : 2171004

List of Practical's

Sr. No.	Name of the practical
1	GSM system Architecture
2	Multiple Access Techniques
3	Handoff using Virtual Laboratory-IIT Kharagpur

4	Frequency Reuse using Virtual Laboratory-IIT Kharagpur
5	QAM in AWGN Channel using MATLAB
6	OFDM Signal
7	SDR
8	Wi-Max
9	Cellular Concept
10	MATLAB Code to calculate the median path loss for Okumura model
11	MATLAB Code to calculate the median path loss for Hata model

Subject Name : Satellite Communication
Subject code : 2171007

List of Practical's

Sr. No.	**Name of the practical**
1	Understanding concepts of satellite communication.
2	To setup direct link between uplink transmitter and downlink receiver using Tone Signal
3	To Setup an Active satellite communication link and demonstrate link fail Operation.
4	To study the satellite transponder
5	To setup up satellite communication link with the help of video camera.
6	To setup an Audio Video transmission through Satellite link.
7	To transmit & receive the Function Generator waveforms through a satellite communication link.
8	To transmit Tone through satellite link.
9	To determine the audio signal bandwidth of the satellite link

Subject Name : Microwave Engineering
Subject code : 2171001

List of Practical's

Sr. No.	**Name of the practical**
1	Introduction to Microwave Bench.
2	Study of field patterns of various modes inside a rectangular cavity.

3	Measurement of the dielectric constant and loss tangent of materials in microwave frequency band using a rectangular waveguide cavity.
4	Concept of Generalized N-port scattering parameters, and formulation of these parameters into 2-port reflection and transmission coefficients.
5	Study the behavior of impedance matching for passive networks using Smith chart
6	Study the behavior of impedance matching for passive networks using Smith chart.
7	Introduction to Smith chart and its application for unknown impedance measurement.
8	Study the behavior of terminated coaxial transmission lines in frequency domain.
9	Study of field patterns of various modes inside a rectangular waveguide.
10	To Study about RADAR.

Subject Name : Digital Signal Processing
Subject code : 2171003

List of Practical's

Sr. No.	Name of the practical
1	Write a program for Direct form – I, II form realization of the given IIR system function.
2	Write a program to plot pole-zero of a given FIR filter.
3	Create Blackman Harris, Hamming and Gaussian window and plot them in the same filter design tool.
4	Design an FIR filter with side lobe attenuation of 40 dB using Kaiser Window of 200 points.
5	Design low pass butter worth digital filter with given specification using impulse invariance method.
6	Design a high pass elliptical filter with given specification using impulse invariance method.
7	Design a band pass chebychev-2 filter with given specification using impulse in-variance method.
8	Design a second-order digital bandpass Butterworth filter with the following specifications: fu= 2.6 kHz,fL = 2.4 kHz , fs = 8000 Hz. Plot the magnitude and phase response.
9	Write a program to demonstrate the time shifting and frequency shifting property of DTFT.
10	Write a program to perform circular convolution of two sequences using DFT.
11	Write a program to up sample the sinusoidal sequence by an integer factor.
12	Write a program to down sample the sinusoidal sequence by an integer factor.
13	Write a program to convert the sampling by non integer factor of a sinusoidal sequence.

Subject Name : Data Communication and Networking
Subject code : 2171008

List of Practical's

Sr. No.	Name of the practical
1	To study Internetworking Devices
2	To study IP addressing Schemes
3	Develop a C program to convert the given IP address from Decimal to binary.
4	Develop a C program to convert the given IP address from binary to decimal
5	To study Network Commands.
6	To study RS-232 serial Communication.
7	To develop a C program for Character Transfer using RS-232.
8	To develop a C program for Bit Stuffing.
9	To Study LAN and Prepare a LAN Layout for Computer Center
10	To Study LAN Trainer Kit from BenchMark.
11	To Study MAC-Aloha Protocol on LAN –T
12	To Study MAC-CSMA Protocol on LAN –T
13	To Study MAC-CSMA-CD Protocol on LAN –T
14	To Study Stop and wait Protocol on LAN –T.

Subject Name : Embedded Systems
Subject code : 2171005

List of Practical's

Sr. No.	Name of the practical
1	Introduction to MSP430 Kit and Programming Environment with program to work with ports
2	Configure timer block with capture/compare channel 0 & 1 to generate 4.096 KHz & 1.024 KHz signal.
3	Configure watchdog timer in watchdog & interval mode.
4	Test various Power Down modes in MSP430.
5	Read Temperature of MSP430 with the help of ADC.
6	Use Timer to trigger ADC for reading analog signal in most efficient manner to reduce power consumption.
7	Configure DAC to generate positive ramp signals.
8	Use Comparator to compare the signal threshold level.
9	Implement Hardware Multiplier to multiply two arrays to perform MAC operation
10	Implement DMA controller for basic convolution algorithm.

11	Use I2C protocol for communication between more than two MSP430 connected on I2C bus.
12	Use SPI protocol for communication between two MSP430.

Sem-VIII

Subject Name : Fundamentals of image Processing
Subject code : 2181102

List of Practical's

Sr. No.	Name of the practical
1	To write a program to read and display digital image and convert color into greyscale image.
2	To write and execute image processing programs using point processing method.
3	To write and execute program for image arithmetic operation. •Addition of 2 images •Subtract one image from other image •Calculate mean value of image
4	To write and execute program for image logical operation •AND •OR •NOT •X-OR (water marking)
5	To write a program for histogram calculation and equalization.
6	To write and execute program for geometric transformation of image •Translation •Rotation •Zooming •Shrinking
7	Write and execute programs to remove noise using spatial filters
8	To understand various image models and to write programs for image restoration ● Remove salt and paper noise ● Minimize Gaussian noise ● Median filter and Weiner filter
9	To Write and execute programs for image frequency domain filtering ● Apply FFT on given image ● Perform low pass and high pass filtering in frequency domain ● Apply IFFT to reconstruct image
10	To Write and execute a program for image morphological operations erosion and dilation.

Subject Name : Radar & Navigation Aids
Subject code : 2181103

List of Practical's

Sr. No.	Name of the practical
1	Write a program in Matlab for computing minimum detectable power for radar
2	Write a program in Matlab for computing radar range including noise
3	Write a program in Matlab for radar cross section
4	Write a program in Matlab for computing Doppler Frequency.
5	Write a program in Matlab for single line delay canceller.
6	Write a program in Matlab for double line delay canceller.
7	Write a program in Matlab for linear antenna field Intensity.
8	Write a program in Matlab for synthetic aperture radar.
9	Tutorial 1
10	Tutorial 2

ELECTRICAL ENGINEERING EXPERIMENTAL SETUP

Subject: BASIC ELECTRICAL ENGINEERING

Subject: 3110005

Sr. No.	Name of Practical
1	Draw the symbols used in electrical and electronic circuit by drawing instruments.
2	Introduction and use of measuring instruments – voltmeter, ammeter, Clip On Meter, multi-meter, Resistors, Capacitors and Inductors.
3	To verify the Network theorems.
4	Perform Voltage, current and power measurement in single phase AC circuit.
5	Measurement of Open circuit voltage & short circuit current of Series -parallel connected Solar PV Modules.
6	Demonstration of cut-section models of DC Motor, 3-phase AC & 1-phase AC Motor and Transformer.
7	Understanding of Residential Building electricity bills and Calculation of individual light Bill by students.
8	To verify the current and voltage relationships in three phase star and delta connections.
9	Demonstration of domestic installations like MCB, ELCB, Fuse, Earthing Plate etc.
10	Demonstration of various types of wires and cables.
11	Understanding of various safety precautions for electrical installations

SR. NO.	List of EXPERIMENTS
1	FAMILIARIZATION WITH MATLAB CONTROL SYSTEMTOOLBOX, MATLAB/SIMULINK TOOLBOX.
2	DETERMINATION OF STEP &IMPULSE RESPONSE FOR A FIRST ORDER UNITY FEEDBACK SYSTEM
3	DETERMINATION OF STEP &IMPULSE RESPONSE FOR A SECOND ORDER UNITY FEEDBACK SYSTEM
4	DETERMINATION OF STEP &IMPULSE RESPONSE FOR A TYPE '0', TYPE '1', TYPE '2' SYSTEMS
5	DETERMINATION OF BODE PLOT USING MATLAB CONTROL SYSTEM TOOLBOX FOR 2^{ND} ORDER SYSTEM &OBTAIN CONTROLLER SPECIFICATION PARAMETERS.
6	DETERMINATION OF ROOT LOCUS PLOT USING MATLAB CONTROL SYSTEM TOOLBOX FOR 2^{ND} ORDER SYSTEM &OBTAIN CONTROLLER SPECIFICATION PARAMETERS.
7	DETERMINATION OF NYQUIST PLOT USING MATLAB CONTROL SYSTEM TOOLBOX.
8	STUDY THE EFFECT OF PI & PD CONTROLLER ON SYSTEM PERFORMANCE
9	STUDY THE EFFECT OF ADDITION OF ZEROS TO THE FORWARD PATH TRANSFER FUNCTION OF A CLOSED LOOP SYSTEM
10	STUDY THE EFFECT OF ADDITION OF POLES TO THE FORWARD PATH TRANSFER FUNCTION OF A CLOSED LOOP SYSTEM

Control System Theory

List of Experiments of ECA

Electrcomagnetic Field

SR. NO.	EXPERIMENTS
1	VERIFICATION OF SUPERPOSITION THEOREM
2	VERIFICATION OF THEVENIN THEOREM
3	VERIFICATION OF NORTON THEOREM
4	VERIFICATION OF MAXIMUM POWER TRANSFER THEOREM FOR DC CIRCUIT
5	VERIFICATION OF RECIPROCITY THEOREM
6	FREQUENCY RESPONSE OF SERIES AND PARALLEL RESONANCE CIRCUITS
7	VERIFICATION OF 'Z' PARAMETER OF TWO PORT NETWORK
8	VERIFICATION OF 'Y' PARAMETER OF TWO PORT NETWORK
9	VERIFICATION OF 'Z' PARAMETER OF SERIES CONNECTION OF A TWO PORT NETWORK.

POWER SYSTEM- 1

01	To survey Generation Scenario and power plants of Gujarat
02	To Survey of different type of power plants of India to observe the power and energy supplied by them daily
03	To plot V-I and P-V characteristics of solar cell/panel.
04	To study about String efficiency and methods to improve it.
05	Calculating line inductance for different conductor configurations and dimensions.
06	Calculating line capacitance for different configurations and design of line.
07	Calculating sag of transmission line: 1. Equal level 2. Unequal level.
08	To Prepare layout of substation for a given bus arrangement and given voltage rating with all necessary equipments
09	To study different Methods of neutral grounding.
10	Simulation of three phase system with three phase balanced load with neutral grounded.
11	Write a program for calculating sag of transmission line under different loading conditions.

Electrical Power System – 2

r.	**Tutorial name**

No.	
	Tutorial on Per Unit System.
	Tutorial on Symmetrical Fault Analysis.
	Tutorial on Symmetrical Components.
	Tutorial on Unsymmetrical Faults.
	Tutorial on Short Transmission Line.
	To Study of Ferranti Effect.
	Tutorial on Transmission Line Modelling and Performance.
	To Study about Corona in Transmission Line.
	To Study About Over Voltage in Power System
0	To Study about Transient in Transmission Line.

EMMI LAB : List of experiments

1. Measurement of resistance using Wheastone's Bridge and Kelvin Double bridge.
2. Extension of range of wattmeter using CT & PT
3. Measurement of displacement using LVDT
4. Measurement of current/ voltage using Hall effect transducer.
5. Thermocouple based ON – OFF controller
6. Measurement of physical quantities – strain, torque and angle
7. Measurement of temperature by RTD method
8. Measurement of low resistance by Kelvin"s double bridge;
9. Measurement of voltage, current and resistance using dc potenti
10.Measurement of inductance by Maxwell"s bridge, Hay"s bridge, Anderson"s bridge;
11. Measurement of capacitance by Owen"s bridge, De Sauty bridge, Schering bridge;
12. Measurement of flow rate by anemometer

Interconnected Power System

1.	To study the basic concept of interconnected power system.
2.	To Study about Power system Stability.

3. Tutorial - 1: Power System Stability.
4. To Study the Equal Area Criterion of stability.
5. Tutorial – 2: Equal Area Criterion of stability.
6. To study Control of Voltage & Reactive Power.
7. Tutorial - 3: Control of Voltage & Reactive Power.
8. Tutorial - 4: Step by Step Method.
9. Tutorial – 5: Economic operation of power system.
10. To Study the Load Flow Analysis Techniques
11. Tutorial – 6: Load Flow Analysis (2 examples for each method)
12. Tutorial – 7: Power system matrices
13. Tutorial - 8: Frequency control

INDUSTRIAL INSTRUMENTATION

SR. NO.	TITLE
1.	To obtain the response of various temperature sensors such as RTD, Thermistor, Thermocouple.
584283544.	(A)To study a temperature On-Off controller using RTD. (B) To monitor the measurement and control of temperature using Thermistor.
584283600.	To study the signal conditioning & display technique in measurement and control of temperature using Thermocouple.
584285560.	To study optical transducers such as LDR, Photo transistor and Photo Voltaic cell as a light intensity meter.
584284776.	To carry out angular measurement using (i) Resistive transducer and (ii) Capacitive transducer.
584284608.	To study the construction of LVDT with its characteristics and response.
584285000.	(A)To study the principle and working of an Opto-coupler. (B)To measure the speed of a given motor using an optical transducer in an instrumentation system.
584286176.	To study the weight measurement system using Strain gauges as a transducers or Load cell.
584286177.	To study Programmable Logic Controller
584286178.	To study and prepare detailed comprehensive notes on different type of liquid flow meters commonly used.
584286179.	To calibrate pressure gauge using Dead Weight Tester
584286180.	To study the cascade control scheme

POWER ELECTRONICS

PR. NO.	PRACTICAL NAME
1	To Study the transfer and output characteristic of MOSFET.
2	To Study the V-I characteristic of SCR.
3	Study of UJT triggering circuit, Resistance triggering , RC triggering circuit circuit of an SCR.
4	Study of single phase half-wave and full wave controlled rectifier with R, R-L load.
5	Study and demonstrate Chopper circuit.
6	To demonstrate Single Phase AC Voltage Controller.
7	To operate Three Phase AC Voltage Controller.
8	To demonstrate single phase inverter.
9	Study of 120 degree mode 3-ϕ inverter with Y-connected R- load.
10	Study of 180 degree mode 3-ϕ inverter with Y-connected R- load.
11	To study the performance of DC-DC Buck/ Boost converter
12	To study the performance of Buck-Boost converter.

ANALOG AND DIGITAL ELECTRONICS

PR. NO.	PRACTICAL NAME
1	To demonstrate Inverting Amplifier Circuit using Op- Amp.
2	To demonstrate Integrator Amplifier Circuit using Op- Amp
3	To demonstrate Differentiate Amplifier Circuit using Op- Amp.
4	To demonstrate Summing Amplifier Circuit using Op-Amp.
5	To demonstrate Differential Amplifier Circuit using Op- Amp.
6	To construct and demonstrate square wave generator using op-amp.
7	To construct and demonstrate Triangular wave generator using LM741/OP27.
8	To construct and demonstrate Sine wave generator using LM741/OP27.
9	To verify logic GATES truth table.
10	To verify characteristic tables of JK flip-flop.
11	To verify output for half adder and Full adder.
12	Verification of counter circuit like binary up/down counter,
13	Verification of Specification and Performance indices of D/A and A/D converters

Electrical Machine –I

01. Constructional study of DC Machine Parts.
02. To obtain the magnetization characteristic of a separately excited D.C Generator.
03. To Perform Load Test on D.C Shunt Generator & Obtain Internal and External characteristic.

04. To obtain External and Internal characteristics of a D.C series generator.
05. To obtain External and Internal characteristics of a D.C Compound generator.
06. To Study construction and principle of the D.C motor starter
07. To perform the speed control of D.C shunt Motor by
▪ Field Control Method
▪ Armature Control Method
08. To Study construction and working principle of a Single Phase Transformer.
09. To Perform Polarity Test on Single Phase Transformer & Determine polarities on the winding terminals.
10. To perform the Load test on Single Phase transformer and find efficiency and regulation.

Microprocessors and Microcontrollers

PR. NO.	PRACTICAL NAME
1	To study Introduction to IDE, assembler, compiler, linker, simulator, debugger and assembler directives.
2	To perform 8051 Assembly language programming based on data transfer, arithmetic and logical group instructions.
3	To perform 8051 Assembly language programming using bit manipulation instructions.
4	To study 8051 Assembly language programming using branching group instructions
5	To perform 8051 Timer/counter programming using assembly language and C
6	To perform 8051 Serial programming using assembly and embedded C.
7	To perform I/O port programming in embedded C.
8	To perform Programming of LCD in assembly & embedded C.
9	To perform Programming of matrix keyboard in assembly & embedded C.
10	To perform Programming of parallel ADC and DAC in embedded C.
11	To perform Speed Control of DC motor using PWM Technique and Microcontroller
12	of SCR firing Circuit for D. C. Converter using Microcontroller
13	Interfacing Relay and opto isolators using Microcontroller

Subject : PSPD (2180903) Sem VIII

List of Experiments

1	Electrical design of transmission line.
2	Visit of substation and draw its lay out plan.
3	Design of transmission line towers.
4	Survey and design of rural electrification and draw Single Line Diagram.

5	Survey of industrial distribution system and draw Single Line Diagram SLD.

Subject : DACM (2170909) Sem VII Electrical

List of Experiments

1	Design of three phase squirrel cage induction motor
2	Design of three phase slip ring induction motor
3	Design of single phase induction motor
4	Design of submersible motor
5	Design of turbo alternator
6	Design of salient pole low speed alternator
7	Practice problems on open source software (FEMM)
8	Performance parameters evaluation using FEM software

Subject : DCMTR (2160912) Sem VI Electrical

List of Experiments

1	Design the DC machine of given specifications.
2	Design the transformer of given specifications.
3	Prepare the detailed sketch of the designed DC machine
4	Prepare the detailed sketch of the designed Transformer.

Subject : S.G.P. (2170908) Sem VII Electrical

List of Experiments

1	To study Micro controller based 3-Phase Differential Relay.
2	To study Micro controller based over current Relay
3	To study the Numerical Protection of induction motor
4	To obtain the operating characteristics of an IDMT relay.
5	To study the operating characteristics of directional over current relay.
6	To study the operating characteristics of the transformer percentage differential relay.
7	To study the magnetic inrush current in a transformer and its protection.
8	To study radial feeder protection using two overcurrent and one Earth fault relay.

9	TO obtain and study the magnetization characteristic of CT.
10	To study transformer differential protection.
11	To study the protection schemes for different abnormal conditions in an alternator.
12	To study Buchholz relay for transformer protection.
13	To study Generalized block diagram of Numerical Relay

List of Experimental Setup

Branch:- Mechanical Engineering

SEM-1 & 2

Engineering Graphics & Design: 3110013

List of practicals

Sr. No.	Name of the practical
1	Practice Sheet (dimensioning methods, different types of lines, construction of different polygon, divide the line and angle)
2	Plane scale and diagonal scale
3	Loci of points
4	Engineering curves
5	Projection of line
6	Projection of plane
7	Projection of solid, section of solid
8	Development of surfaces
9	Orthographic projection
10	Isometric projection
11	AutoCAD drawing of orthographic projection

Subject Name 2: Basic Mechanical Engineering Subject Code:- 3110006

SEM-1 & 2

List of practicals

Sr. No.	Name of the practical
1	To study about various types of boilers
2	To study about various types of Mounting and Accessories of Boilers.
3	To study about Internal Combustion engines.
4	To understand construction and working of different types of compressor
5	To demonstrate vapor compression refrigeration cycle of domestic refrigerator and window air conditioner
6	To understand construction, working and application of clutches, coupling and brakes
7	To understand different arrangement and application of various power transmission drives

SEM-3

Engineering Thermodynamics: 3131905

List of practical

Sr. No.	Name of the practical
1	Understand Applications of SFEE
2	Verify first and second law with mechanical heat pump
3	Verify first and second law with I.C. Engine
4	Determine heat loss from pipe-in-pipe heat exchanger using SFEE and to verify entropy

	principle for the heat exchanger
5	Compare Otto, diesel and dual cycles
6	Study variables affecting the performance of rankine cycle
7	Understand different components of VCR system and to determine its COP
8	Understand the effect of various operating parameters on performance of VCR cycle
9	Evaluate the calorific value of given fuel with the help of oxygen bomb calorimeter
10	Evaluate the calorific value of given fuel with the help of Junker gas calorimeter
11	Understand applications of entropy principle and Gouy - Stodola theorem

SEM-3

KINEMATICS AND THEORY OF MACHINES:3131906

List of Practical's

Sr. No.	Name of the practical
1	Drawing work related to inversion of four bar mechanism and slider and crank mechanism
2	.Drawing work related to velocity and acceleration diagram of various mechanisms.
3	Drawing work related to cam profile.
4	Drawing work and computation related to synthesis.
5	Computerised Synthesis.
6	Analysis related to belt, rope, and chain drive
7	Analysis related to brakes, and clutches.
8	.Analysis related to gears and gear train

SEM-3

Fluid Mechanics and Fluid Machines (3141906)

List of Practical's

Sr. No.	Name of the practical
1	Performance verification of Bernoulli's Theorem
2	To Find Metacentric height by experimental method.
3	Flow measurement by Venturi meter, Orifice meter and Rotameter.
4	To study about Open Channel flow over a Notch.
5	To study and performance on Reynold's apparatus.
6	To study the application of momentum theorem for impact of Jet on Vane apparatus and determine the vane efficiency.
7	To draw the operating characteristics curves of Pelton Wheel Turbine.
8	To draw the operating characteristics curves of Kaplan Turbine.
9	To conduct a test on a Single Stage Centrifugal Pump at various speed to obtain the pump characteristics.
10	To Study about Hydraulic Machines

SEM-4

Manufacturing Processes: 3141908

List of Practical

Sr. No.	Name of the practical
1	Study about Lathe Machine and operations performed on it.
2	Study about Shaper Machine and operations performed on it.
3	Study about Planer machine and operations performed on it.
4	Study about Milling Machineand operations performed on it.
5	Study about Drilling Machine and operations performed on it.
6	Study about Broaching Machine and operations performed on it.
7	Study about Slotting Machine and operations performed on it.
8	Study about Grinding Machine and operations performed on it.
9	Study about Sawing Machineand operations performed on it.
10	Assignment of Lathe Machine, Shaper, Planer, Milling Machine &Drilling Machine

SEM-4

FUNDAMENTAL OF MACHINE DESIGN:3141907

List of Practical's

Sr. No.	Name of the practical
1	Detail and assembly of mechanism/machine.
2	Problems related to fundamentals of design (chapter no. 1 to 4)
3	Design and drawing of Joints and levers.
4	Design and drawing of screw jacks (Bottle neck and Toggle).
5	Design of machine components under fluctuates loading.
6	Case study for design of mechanical components.
7	2D drawing of machine components using computer software.

Subject Name: Mechanical Measurement & Metrology

Subject Code: 3141901

List of Practicals

Sr. No.	Name of the Practicals
1	To study about measurements and metrology.
2	Performance on linear measurements using Vernier Calliper, Vernier height gauge, and Micrometer.
3	Performance on Angular Measurement using Bevel protector and Sine bar.
4	To study about Temperature Measurement.
5	To Study about Gear and Screw Thread Measurement. (Two wire method, screw pitch gauge).
6	To study about Stress, Strain and Force Measurements.
7	To Study about Torque and Speed and acceleration Measurement.
8	Performance on Surface Measurements.

SEM- 5

Subject Name: Dynamics of Machinery

Subject Code: 3151911

List of Practicals

Sr. No.	**Name of the Practicals**
1	Study and trial on the gyroscope, to determine the gyroscopic couple.
2	To study the Static & Dynamic Balancing system.
3	To study the longitudinal vibration of helical spring and to determine the frequency and time period of oscillation, theoretically and actually by experiment.
4	To study the Torsional Vibrations of single rotor system.
5	Study the Free Vibration of Two Rotor System and to determine the Natural Frequency of Vibration Theoretically & Experimentally.
6	To study the Damped Torsional Oscillation & to determine the damping co-efficient ξ.
7	To study the Forced damped Vibration of Equivalent Spring Mass System and to find the frequency of forced damped equivalent spring mass system and amplitude of vibration.
8	To study the effect of whirling of shaft.
9	Study and Design of Flywheel for IC engine and Punch press.
10	Dynamic Force Analysis of Machines.

SEM-5

Heat transfer 2151909

List of practicals

Sr. No.	Name of the practical
1	To determine the thermal conductivity of given metal rod
2	To determine the thermal conductivity of the given composite walls.
3	To determine Stephan Boltzmann constant experimentally
4	Experiment on pin-fin apparatus by natural convection.
5	To determine emissivity of a test plate
6	To measure convective heat transfer co-efficient and effectiveness of the fin under natural convection.
7	To determine heat transfer co-efficient by forced convection.
8	To determine the overall heat transfer co-efficient of shell and tube type parallel flow heat exchangers.

9	To determine the overall heat transfer co-efficient of shell and tube type counter flow heat exchangers.
10	To determine critical radius of insulation.

SEM-6
Automobile engineering3161917
List of practicals

Sr. No.	Name of the practical
1	To study constructional features of vehicle body, various layouts, vehicle classifications and specifications.
2	Load analysis of two to three different classes of four wheelers
3	**To study and prepare report on the constructional details, working principles and operation of the following Automobile clutches:**
4	**To study and prepare report on the constructional details, working principles and operation of the following Automotive Transmission Systems:** a) Sliding Mesh b) Constant Mesh c) Synchromesh – four speed range
5	**To study and prepare report on the constructional details, working principles and operation of the following automotive tyres and wheels.** a) Various types of Bias & Radial Plies Tyres b) Various types of Wheels
6	**To study and prepare report on the constructional details, working principles and operation of the following Automotive Steering Systems:** a) Manual Steering systems e.g. Pitman Arm Steering, Rack & Pinion Steering b) Power Steering Systems e.g. Rack and Pinion Power Steering System
7	**To study and prepare repot on the constructional details, working principles and operation of Automotive Brake Systems.** a) Hydraulic and Pneumatic Brake Systems b) Drum Brake System c) Disc Brake System
8	**To study and prepare report on the construction details, working principles and operation of the following automotive suspension systems.** a) Front suspension system b) Rear suspension system
9	**To study and prepare report on the construction details, working principles and operation of the following automotive drive lines and differential.** a) Rear wheel drive lines b) Front wheel drive lines

	c) Differentials, drive axles and four wheel drive lines
10	**Study of advance vehicle system**

SEM-6

Computer Aided Design (CAD) : 2161903

List of practicals

Sr. No.	Name of the practical
1	Introduction fundamentals of Computer Aided Design (CAD)
2	COMPUTER AIDED DESIGNING OF TWO-DIMENSIONAL ELEMENTS USING C-GRAPHICS PROGRAMMING
3	PROGRAMING ON SCAN CONVERSION OF LINE AND CIRCLE USING DDA AND BRESENHAM ALGORITHM
4	INTRODUCTION TO CAD SOFTWARE AND TRANSFORMATIONS
5	INTRODUCTION TO FINITE ELEMENT ANALYSIS (FEA)
6	PERFORM VARIOUS FEA 1D, TRUSS AND BEAM ANALYSIS IN ANSYS APDL
7	PREPARE DETAIL DRAWING OF GIVEN COMPONENT USING CAD SOFTWARE

SEM-6

Subject Name: Applied Thermodynamics Subject code:3161910

List of practicals

Sr. No.	Name of the practical
1	To understand different components of VCR system and to determine its COP.
2	The performance of ice plant tutor.
3	To carry out the performance on Heat Pump trainer.
4	The performance characteristics of Electrolux refrigerator.
5	To carry out the performance on Air conditioning test rig.
6	Performance On Two Stroke, Single Cylinder Petrol Engine
7	Performance Test on Four stroke, single cylinder Diesel Engine
8	Determination of friction power of multi cylinder petrol engine using Morse Test Method
9	To calculate the volumetric efficiency and isothermal efficiency of the two stage compressor.
10	To study about Axial Flow Compressor

SEM-7

Oil Hydraulics and Pneumatics (OHP) : 2171912

List of practical

Sr. No.	Name of the practical
1	To study about hydraulic and pneumatic system.
2	To study Extend-Retract and Stop system of a linear actuator in hydraulic system.
3	To study of Regenerative circuit in hydraulic system.
4	To study of flow Control & Sequencing circuit in hydraulic system.
5	To study of Rapid Traverse and Feed circuit in hydraulic system.
6	To Study of Compressor, FRL unit in pneumatic system.
7	To study linear actuators in pneumatic system.
8	To study of in automatic to & fro motion of a pneumatic linear actuator pneumatic system.
9	To study of different kinds of basic circuits in pneumatic system.
10	To study of logical circuits using shuttle valve pneumatic system.

SEM-7

Computer Aided Design (CAD) : 2161903

List of practicals

Sr. No.	Name of the practical
1	Overview about the Laboratory any experiments
2	Study of Computer Integrated System: Basics, Types of Manufacturing, role of management and CIM wheel
3	NC/CNC technology: Definition, Classification, Specification, Construction details, Sensors and Actuators, and different controllers.
4	CNC part Programming: Lathe and Milling jobs
5	Exercise on PLC for Simple problems.
6	Problems on GT and Industrial case problems on coding
7	Problems on CAPP and Industrial case problems
8	Study of Flexible Manufacturing system
9	Study of Robotics Technology
10	Problems on MRP-I, MRP-I
11	Study of Expert System in Manufacturing and MIS

Computing facilities

PCs/Laptop exclusively Available to Students	536
PCs/Laptop available in Library	30
PCs/Laptop available in Administrative Office	5
PCs/Laptop available to Faculty Members	23
Number of PCs/Laptop in Language Lab	25
Internet Bandwidth in Mbps	100
Number of Legal Application Software	22
Printers available to Student	93
Number of A1 Size Color Printers	0
Number of Legal System Software	4
Number of Open Source Software	20
Number of Proprietary	4
Special Purpose Facilities Available(Conduct of online meeting / Webinars/ Workshops	Yes
Facilities for Conduct of Classes/Courses in OnlineMode(Theory/Practical)	Available
Innovation Cell	Yes
Social Media Cell	Yes

List of facilities available:

Games and Sports Facilities:	Cricket, Volley ball, Carrom, Chess, Badminton
Extra Curriculum Activities:	Debate, Quiz, Garba, Cultural activities, Talent Evening, Paper & Model Presentation
Soft Skill Development Facilities	

Teaching Learning Process:

- **Syllabus:**

Civil/Applied Department Syllabus
Semester 1 and 2

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3110002	06	2018-19	English	Humanities	1	2	0	2	3	70	30	20	30	150

				and Social Science										
3110003	06	2018-19	Programming for Problem Solving	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110004	06	2018-19	Basic Civil Engineering	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110005	06	2018-19	Basic Electrical Engineering	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110006	06	2018-19	Basic Mechanical Engineering	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110007	06	2018-19	Environmental Sciences	Mandatory	1	2	2	0	0	70	30	0	0	100
3110011	06	2018-19	Physics	Basic Science	1	3	0	2	4	70	30	20	30	150
3110012	06	2018-19	Workshop/ Manufacturing Practices	Engineering Science	1	0	0	4	2	0	0	20	80	100
3110013	06	2018-19	Engineering Graphics & Design	Engineering Science	1	2	0	4	4	70	30	20	30	150
3110014	06	2018-19	Mathematics - 1	Basic Science	1	3	2	0	5	70	30	0	0	100
3110015	06	2018-19	Mathematics - 2	Basic Science	1	3	2	0	5	70	30	0	0	100
3110017	06	2018-19	Induction Program	Mandatory	1	0	0	0	0	0	0	0	0	0

Semester 3

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3130004	06	2018-19	Effective Technical Communication	Humanities and Social Science	3	2	0	2	3	70	30	20	30	150
3130007	06	2018-19	Indian Constitution	Mandatory	3	2	0	0	0	50	0	0	0	50
3130008	06	2018-19	Design Engineering - I A	Project Work	3	0	0	2	1	0	0	20	80	100
3130606	06	2018-19	Geotechnical Engineering	Professional Core	3	4	0	2	5	70	30	20	30	150
3130607	06	2018-19	Building Construction Technology	Professional Core	3	4	0	2	5	70	30	20	30	150
3130608	06	2018-19	Mechanics of Solids	Engineering Science	3	4	0	2	5	70	30	20	30	150
3130609	06	2018-19	Building and Town Planning	Engineering Science	3	2	0	4	4	70	30	20	30	150

Semester 4

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3140005	06	2018-19	Design Engineering 1 B	Project Work	4	0	0	2	1	0	0	20	80	100
3140601	06	2018-19	Surveying	Professional Core	4	4	0	2	5	70	30	20	30	150
3140603	06	2018-19	Structural Analysis-I	Professional Core	4	4	0	2	5	70	30	20	30	150
3140609	06	2018-19	Civil Engineering - Societal & Global Impact	Humanities and Social Science	4	2	0	0	2	70	30	0	0	100
3140610	06	2018-19	Complex Variables and Partial Differential Equations	Basic Science	4	3	2	0	5	70	30	0	0	100
3140611	06	2018-19	Fluid Mechanics & Hydraulics	Professional Core	4	4	0	2	5	70	30	20	30	150

Semester 5

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3150001	06	June 2020	Design Engineering - II A	Project Work	5	0	0	2	1	0	0	20	80	100
3150004	06	June 2020	Contributor Personality Development Program	Personality development Elective	5	2	0	0	2	70	30	20	30	150
3150005	06	June 2020	Integrated Personality Development Course	Personality development Elective	5	2	0	0	2	70	30	20	30	150
3150610	06	June 2020	Concrete Technology	Professional Core	5	3	0	2	4	70	30	20	30	150
3150611	06	June 2020	Transportation Engineering	Professional Core	5	3	0	2	4	70	30	20	30	150
3150612	06	June 2020	Design of Structures	Professional Core	5	4	0	2	5	70	30	20	30	150
3150613	06	June 2020	Pavement Design and Highway construction	Professional Elective - I	5	3	0	2	4	70	30	20	30	150
3150614	06	June 2020	Structural analysis-II	Professional Elective - I	5	3	0	2	4	70	30	20	30	150
3150615	06	June 2020	Soil Mechanics	Professional Elective - I	5	3	0	2	4	70	30	20	30	150
3150616	06	June 2020	Pipeline Engineering	Professional Elective - I	5	3	0	2	4	70	30	20	30	150
3150617	06	June 2020	Remote Sensing and GIS	Open Elective - I	5	2	0	2	3	70	30	20	30	150
3151108	06	June 2020	Python	Open	5	2	0	2	3	70	30	20	30	150

			Programming	Elective - I										

Semester 6

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3160001	06	Dec-2020	Design Engineering II B	Project Work	6	0	0	2	1	0	0	20	80	100
3160002	06	Dec-2020	Contributor Personality Development Program	Personality development Elective	6	2	0	0	2	70	30	20	30	150
3160003	06	Dec-2020	Integrated Personality Development Course	Personality development Elective	6	2	0	0	2	70	30	20	30	150
3160608	06	Dec-2020	Urban Transportation Planning	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3160610	06	Dec-2020	Water Resources Engineering and Hydrology	Professional Core	6	4	0	2	5	70	30	20	30	150
3160611	06	Dec-2020	Environmental Engineering	Professional Core	6	3	0	2	4	70	30	20	30	150
3160612	06	Dec-2020	Design of Reinforced Concrete structures	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3160613	06	Dec-2020	Rock Mechanics and Tunneling	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3160614	06	Dec-2020	Contracts Management	Professional Elective - II	6	3	1	0	4	70	30	0	0	100
3160615	06	Dec-2020	Traffic Engineering and Management	Professional Elective - III	6	3	0	2	4	70	30	20	30	150
3160616	06	Dec-2020	Foundation Engineering	Professional Elective - III	6	3	0	2	4	70	30	20	30	150
3160617	06	Dec-2020	Construction Equipment and Automation	Professional Elective - III	6	3	1	0	4	70	30	0	0	100
3160618	06	Dec-2020	Open Channel flow	Professional Elective - III	6	3	0	2	4	70	30	20	30	150
3160619	06	Dec-2020	Soft Computing Techniques	Open elective - II	6	2	0	2	3	70	30	20	30	150
3160620	06	Dec-2020	Instrumentation and Sensors	Open elective - II	6	2	0	2	3	70	30	20	30	150
3160621	06	Dec 2020	Earthquake Engineering	Professional Elective - III	6	3	0	2	4	70	30	20	30	150

Semester 7

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3170001	06	6/1/2021	Summer Internship	Project	7	0	0	4	2	0	0	20	80	100
3170609	06	6/1/2021	Irrigation Engineering	Professional Elective - IV	7	3	0	2	4	70	30	20	30	150
3170614	06	6/1/2021	Construction Engineering and Management	Professional Core	7	3	0	0	3	70	30	0	0	100
3170615	06	6/1/2021	Engineering Economics, Estimation and Costing	Professional Core	7	3	0	2	4	70	30	20	30	150
3170616	06	6/1/2021	Retrofitting of structures	Professional Elective - IV	7	3	0	2	4	70	30	20	30	150
3170617	06	6/1/2021	Application of GIS in Civil Engineering	Professional Elective - IV	7	3	0	2	4	70	30	20	30	150
3170618	06	6/1/2021	Design of Steel Structures	Professional Elective - IV	7	3	0	2	4	70	30	20	30	150
3170619	06	6/1/2021	Railway and Airport Engineering	Professional Elective - V	7	3	0	2	4	70	30	20	30	150
3170620	06	6/1/2021	Computational Geotechnics	Professional Elective - V	7	3	0	2	4	70	30	20	30	150
3170621	06	6/1/2021	Design of hydraulic structures	Professional Elective - V	7	3	0	2	4	70	30	20	30	150
3170622	06	6/1/2021	Precast Construction	Professional Elective - V	7	3	0	2	4	70	30	20	30	150
3170623	06	6/1/2021	Port and Harbour Engineering	Professional Elective - VI	7	3	1	0	4	70	30	0	0	100
3170624	06	6/1/2021	Design of Prestressed Concrete structures	Professional Elective - VI	7	3	0	2	4	70	30	20	30	150
3170625	06	6/1/2021	Environmental Impact Assessment	Professional Elective - VI	7	3	0	2	4	70	30	20	30	150
3170626	06	6/1/2021	Design of Industrial Structures	Professional Elective - VI	7	3	0	2	4	70	30	20	30	150
3170627	06	6/1/2021	ICT For Development	Open Elective - III	7	3	0	0	3	70	30	0	0	100
3170628	06	6/1/2021	Infrastructure for smart Cities	Open Elective - III	7	3	0	0	3	70	30	0	0	100

Semester 8

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
2180601	06	Dec 2017	Design of Hydrauilic Structures	Departmental Elective III	8	3	1	0	4	70	30	20	30	150
2180602	06	Dec 2017	Harbour & Airport Engineering	Departmental Elective III	8	3	1	0	4	70	30	20	30	150
2180605	06	Dec 2017	Project -II		8	0	0	8	8	0	0	20	80	100
2180607	06	Dec 2017	Repairs & Rehabilitation of Concrete Structures	Departmental Elective III	8	3	1	0	4	70	30	20	30	150
2180609	06	Dec 2017	Foundation Engineering		8	3	0	2	5	70	30	20	30	150
2180610	06	Dec 2017	Design of Steel Structures		8	3	2	0	5	70	30	20	30	150
2180611	06	Dec 2017	Construction Management		8	3	2	0	5	70	30	20	30	150
2180612	06	Dec 2017	Design Of Prestressed Concrete Structures & Bridges	Departmental Elective III	8	3	1	0	4	70	30	20	30	150
2180613	06	Dec 2017	Glass Facade Engineering	Departmental Elective III	8	3	0	1	4	70	30	20	30	150

Electrical Department Syllabus
Semester 1 and 2

Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
09	2018-19	English	Humanities and Social Science	1	2	0	2	3	70	30	20	30	150
09	2018-19	Programming for Problem Solving	Engineering Science	1	3	0	2	4	70	30	20	30	150
09	2018-19	Basic Civil Engineering	Engineering Science	1	3	0	2	4	70	30	20	30	150
09	2018-19	Basic Electrical Engineering	Engineering Science	1	3	0	2	4	70	30	20	30	150
09	2018-19	Basic Mechanical Engineering	Engineering Science	1	3	0	2	4	70	30	20	30	150
09	2018-19	Environmental Sciences	Mandatory	1	2	2	0	0	70	30	0	0	100

09	2018-19	Physics	Basic Science	1	3	0	2	4	70	30	20	30	150
09	2018-19	Workshop/ Manufacturing Practices	Engineering Science	1	0	0	4	2	0	0	20	80	100
09	2018-19	Engineering Graphics & Design	Engineering Science	1	2	0	4	4	70	30	20	30	150
09	2018-19	Mathematics - 1	Basic Science	1	3	2	0	5	70	30	0	0	100
09	2018-19	Mathematics - 2	Basic Science	1	3	2	0	5	70	30	0	0	100
09	2018-19	Induction Program	Mandatory	1	0	0	0	0	0	0	0	0	0

Semester 3

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3130004	09	2018-19	Effective Technical Communication	Humanities and Social Science	3	2	0	2	3	70	30	20	30	150
3130007	09	2018-19	Indian Constitution	Mandatory	3	2	0	0	0	50	0	0	0	50
3130008	09	2018-19	Design Engineering - I A	Project Work	3	0	0	2	1	0	0	20	80	100
3130905	09	2018-19	Control System Theory	Engineering Science	3	3	0	2	4	70	30	20	30	150
3130906	09	2018-19	Electrical Circuit Analysis	Professional Core	3	3	1	2	5	70	30	20	30	150
3130907	09	2018-19	Analog & Digital Electronics	Professional Core	3	4	0	2	5	70	30	20	30	150
3130908	09	2018-19	Applied Mathematics for Electrical Engineering	Basic Science	3	3	2	0	5	70	30	0	0	100

Semester 4

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3140005	09	2018-19	Design Engineering 1 B	Project Work	4	0	0	2	1	0	0	20	80	100
3140911	09	2018-19	Economics for Engineers	Humanities and Social Science	4	3	0	0	3	70	30	0	0	100
3140912	09	2018-19	Electromagnetic Fields	Basic Science	4	3	1	2	5	70	30	20	30	150
3140913	09	2018-19	Electrical Machine- I	Professional Core	4	3	0	2	4	70	30	20	30	150
3140914	09	2018-19	Power System- I	Professional Core	4	4	0	2	5	70	30	20	30	150
3140915	09	2018-19	Power Electronics	Professional Core	4	4	0	2	5	70	30	20	30	150

Semester 5

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3150001	09	June 2020	Design Engineering - II A	Project Work	5	0	0	2	1	0	0	20	80	100
3150004	09	June 2020	Contributor Personality Development Program	Personality development Elective	5	2	0	0	2	70	30	20	30	150
3150005	09	June 2020	Integrated Personality Development	Personality development Elective	5	2	0	0	2	70	30	20	30	150

			Course											
3150709	09	June 2020	Professional Ethics	Humanities and Social Science	5	3	0	0	3	70	30	0	0	100
3150910	09	June 2020	Electrical Machine- II	Professional Core	5	4	0	2	5	70	30	20	30	150
3150911	09	June 2020	Power System-II	Professional Core	5	4	0	2	5	70	30	20	30	150
3150912	09	June 2020	Signals and Systems	Professional Core	5	3	0	2	4	70	30	20	30	150
3150913	09	June 2020	Disaster Management	Open Elective - I	5	3	0	0	3	70	30	0	0	100
3151108	09	June 2020	Python Programming	Open Elective - I	5	2	0	2	3	70	30	20	30	150
3151910	09	June 2020	Operation Research	Open Elective - I	5	3	0	0	3	70	30	0	0	100

Semester 6

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3160001	09	Dec-2020	Design Engineering II B	Project Work	6	0	0	2	1	0	0	20	80	100
3160002	09	Dec-2020	Contributor Personality Development Program	Personality development Elective	6	2	0	0	2	70	30	20	30	150
3160003	09	Dec-2020	Integrated Personality Development Course	Personality development Elective	6	2	0	0	2	70	30	20	30	150
3160914	09	Dec-2020	Microprocessors and Microcontrollers	Professional Core	6	4	0	2	5	70	30	20	30	150
3160915	09	Dec-2020	Electrical Measurement and Measuring Instruments	Professional Core	6	4	0	2	5	70	30	20	30	150
3160916	09	Dec-2020	Energy Conservation	Professional Elective - I	6	3	0	0	3	70	30	0	0	100
3160917	09	Dec-2020	Wind And Solar Energy	Professional Elective - I	6	3	0	0	3	70	30	0	0	100
3160918	09	Dec-2020	Element of Electrical Design	Professional Elective - I	6	3	0	0	3	70	30	0	0	100

3160919	09	Dec-2020	Electric Drives	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3160920	09	Dec-2020	Inter Connected Power System	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3160921	09	Dec-2020	HVDC Transmission Systems	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3160922	09	Dec-2020	Object Oriented Programming	Open elective - II	6	2	0	2	3	70	30	20	30	150
3160923	09	Dec-2020	Electrical Materials	Open elective - II	6	3	0	0	3	70	30	0	0	100
3161925	09	Dec-2020	Cyber Laws and Ethics	Open elective - II	6	3	0	0	3	70	30	0	0	100

Semester 7

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
2170004	09	June 2017	Project - I		7	0	0	8	8	0	0	20	80	100
2170901	09	June 2017	Interconnected Power System		7	3	0	2	5	70	30	20	30	150
2170906	09	June 2017	Advanced Power Electronics	Departmental Elective II	7	3	0	2	5	70	30	20	30	150
2170908	09	June 2017	Switch Gear and Protection		7	4	0	2	6	70	30	20	30	150
2170909	09	June 2017	Design of AC Machines		7	3	0	2	5	70	30	20	30	150
2170913	09	June 2017	Industrial Instrumentation	Departmental Elective II	7	3	0	2	5	70	30	20	30	150
2170914	09	June 2017	Digital Signal Processing	Departmental Elective II	7	3	0	2	5	70	30	20	30	150

Semester 8

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
2180901	09	Dec 2017	Testing and Commissioning of Electrical Equipments		8	3	0	2	5	70	30	20	30	150
2180903	09	Dec 2017	Power System Planning and Design		8	3	0	2	5	70	30	20	30	150
2180905	09	Dec 2017	Project		8	0	0	10	10	0	0	20	80	100
2180909	09	Dec 2017	Power System Operation and Control		8	4	0	0	4	70	30	0	0	100

2180910	09	Dec 2017	Energy Conservation and Audit	Departmental Elective III	8	3	0	2	5	70	30	20	30	150
2180911	09	Dec 2017	Power Quality and Management	Departmental Elective III	8	3	0	2	5	70	30	20	30	150
2180912	09	Dec 2017	Condition Monitoring	Departmental Elective III	8	3	0	2	5	70	30	20	30	150
2180913	09	Dec 2017	Advanced Control Systems	Departmental Elective III	8	3	0	2	5	70	30	20	30	150
2180913	09	Dec 2016	Advanced Control Systems	Departmental Elective III	8	3	0	2	5	70	30	20	30	150

Mechanical Department Syllabus
Semester 1 and 2

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3110002	19	2018-19	English	Humanities and Social Science	1	2	0	2	3	70	30	20	30	150
3110003	19	2018-19	Programming for Problem Solving	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110004	19	2018-19	Basic Civil Engineering	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110005	19	2018-19	Basic Electrical Engineering	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110006	19	2018-19	Basic Mechanical Engineering	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110007	19	2018-19	Environmental Sciences	Mandatory	1	2	2	0	0	70	30	0	0	100
3110011	19	2018-19	Physics	Basic Science	1	3	0	2	4	70	30	20	30	150
3110012	19	2018-19	Workshop/ Manufacturing Practices	Engineering Science	1	0	0	4	2	0	0	20	80	100
3110013	19	2018-19	Engineering Graphics & Design	Engineering Science	1	2	0	4	4	70	30	20	30	150
3110014	19	2018-19	Mathematics - 1	Basic Science	1	3	2	0	5	70	30	0	0	100
3110015	19	2018-19	Mathematics - 2	Basic Science	1	3	2	0	5	70	30	0	0	100
3110017	19	2018-19	Induction Program	Mandatory	1	0	0	0	0	0	0	0	0	0

Semester 3

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3130004	19	2018-19	Effective Technical Communication	Humanities and Social Science	3	2	0	2	3	70	30	20	30	150
3130005	19	2018-19	Complex Variables and Partial Differential Equations	Basic Science	3	3	2	0	5	70	30	0	0	100
3130007	19	2018-19	Indian Constitution	Mandatory	3	2	0	0	0	50	0	0	0	50
3130008	19	2018-19	Design Engineering - I A	Project Work	3	0	0	2	1	0	0	20	80	100
3131904	19	2018-19	Material Science and Metallurgy	Engineering Science	3	3	0	2	4	70	30	20	30	150
3131905	19	2018-19	Engineering Thermodynamics	Professional Core	3	4	0	2	5	70	30	20	30	150
3131906	19	2018-19	Kinematics and Theory of Machines	Professional Core	3	4	0	2	5	70	30	20	30	150

Semester 4

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3140005	19	2018-19	Design Engineering 1 B	Project Work	4	0	0	2	1	0	0	20	80	100
3141901	19	2018-19	Mechanical Measurement and Metrology	Basic Science	4	4	0	2	5	70	30	20	30	150
3141906	19	2018-19	Fluid Mechanics and Hydraulics Machines	Professional Core	4	4	0	2	5	70	30	20	30	150
3141907	19	2018-19	Fundamentals of Machine Design	Professional Core	4	4	0	2	5	70	30	20	30	150
3141908	19	2018-19	Manufacturing Processes	Professional Core	4	3	0	2	4	70	30	20	30	150
3141909	19	2018-19	Organisational Behaviour	Humanities and Social Science	4	3	0	0	3	70	30	0	0	100

Semester 5

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3150001	19	June 2020	Design Engineering - II A	Project Work	5	0	0	2	1	0	0	20	80	100
3150004	19	June 2020	Contributor Personality Development	Personality development Elective	5	2	0	0	2	70	30	20	30	150

			Program											
3150005	19	June 2020	Integrated Personality Development Course	Personality development Elective	5	2	0	0	2	70	30	20	30	150
3151908	19	June 2020	Control Engineering	Open Elective - I	5	3	0	0	3	70	30	0	0	100
3151909	19	June 2020	Heat Transfer	Professional Core	5	4	0	2	5	70	30	20	30	150
3151910	19	June 2020	Operation Research	Humanities and Social Science	5	3	0	0	3	70	30	0	0	100
3151911	19	June 2020	Dynamics of Machinery	Professional Core	5	4	0	2	5	70	30	20	30	150
3151912	19	June 2020	Manufacturing Technology	Professional Core	5	3	0	2	4	70	30	20	30	150
3151913	19	June 2020	Oil Hydraulics And Pneumatics	Open Elective - I	5	3	0	0	3	70	30	0	0	100

Semester 6

Subcode	Branch code	Eff_from	SubjectName	Category	Sem/Year	L.	T.	P.	Total	E	M	I	V	Total
3160001	19	Dec-2020	Design Engineering II B	Project Work	6	0	0	2	1	0	0	20	80	100
3160002	19	Dec-2020	Contributor Personality Development Program	Personality development Elective	6	2	0	0	2	70	30	20	30	150
3160003	19	Dec-2020	Integrated Personality Development Course	Personality development Elective	6	2	0	0	2	70	30	20	30	150
3161903	19	Dec-2020	Computer Aided Design	Professional Elective - I	6	3	0	2	4	70	30	20	30	150
3161907	19	Dec-2020	Basics of Industrial Engineering	Professional Elective - I	6	3	0	2	4	70	30	20	30	150
3161910	19	Dec-2020	Applied Thermodynamics	Professional Core	6	4	0	2	5	70	30	20	30	150
3161911	19	Dec-2020	Design of Heat exchangers	Professional Elective - I	6	3	0	2	4	70	30	20	30	150
3161912	19	Dec-2020	Gas Dynamics	Professional Elective - I	6	3	0	2	4	70	30	20	30	150

3161913	19	Dec-2020	Industrial Safety and Maintenance Engineering	Professional Elective - I	6	3	0	2	4	70	30	20	30	150
3161914	19	Dec-2020	Renewable Energy Engineering	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3161915	19	Dec-2020	Computational Fluid Dynamics	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3161916	19	Dec-2020	Product Development and Entrepreneurship	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3161917	19	Dec-2020	Computer Aided Manufacturing	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3161918	19	Dec-2020	Tribology and Terotechnology	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3161919	19	Dec-2020	Energy Conservation and Management	Professional Elective - III	6	3	0	2	4	70	30	20	30	150
3161920	19	Dec-2020	Automobile Engineering	Professional Elective - III	6	3	0	2	4	70	30	20	30	150
3161921	19	Dec-2020	Machine Tool Design	Professional Elective - III	6	3	0	2	4	70	30	20	30	150
3161922	19	Dec-2020	Advanced Manufacturing Processes	Professional Elective - III	6	3	0	2	4	70	30	20	30	150
3161923	19	Dec-2020	Non destructive Testing	Professional Elective - III	6	3	0	2	4	70	30	20	30	150
3161924	19	Dec-2020	Entrepreneurship and E-business	Open elective - II	6	3	0	0	3	70	30	0	0	100
3161925	19	Dec-2020	Cyber Laws and Ethics	Open elective - II	6	3	0	0	3	70	30	0	0	100
3161926	19	Dec-2020	Industry 4.0	Open elective - II	6	3	0	0	3	70	30	0	0	100

Semester 7

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3170001	19	6/1/2021	Summer Internship	Project	7	0	0	0	2	0	0	20	80	100
3171506	19	6/1/2021	Project Management	Professional Elective - VI	7	3	0	2	4	70	30	20	30	150
3171910	19	6/1/2021	Power plant Engineering	Professional Core	7	3	0	0	3	70	30	0	0	100
3171911	19	6/1/2021	Advanced Heat Transfer	Professional Elective - V	7	3	0	2	4	70	30	20	30	150
3171917	19	6/1/2021	Design of Machine elements	Professional Core	7	3	0	2	4	70	30	20	30	150
3171918	19	6/1/2021	Refrigeration and Air conditioning	Professional Elective - IV	7	3	0	2	4	70	30	20	30	150

3171919	19	6/1/2021	Cryogenics Engineering	Professional Elective - IV	7	3	0	2	4	70	30	20	30	150
3171920	19	6/1/2021	Finite Element Methods	Professional Elective - IV	7	3	0	2	4	70	30	20	30	150
3171921	19	6/1/2021	Metal forming analysis	Professional Elective - IV	7	3	0	2	4	70	30	20	30	150
3171922	19	6/1/2021	Automation in Manufacturing	Professional Elective - IV	7	3	0	2	4	70	30	20	30	150
3171923	19	6/1/2021	Internal Combustion Engine	Professional Elective - V	7	3	0	2	4	70	30	20	30	150
3171924	19	6/1/2021	Principles of Combustion	Professional Elective - V	7	3	0	2	4	70	30	20	30	150
3171925	19	6/1/2021	Advanced Machine Design	Professional Elective - V	7	3	0	2	4	70	30	20	30	150
3171926	19	6/1/2021	Rapid Prototyping	Professional Elective - V	7	3	0	2	4	70	30	20	30	150
3171927	19	6/1/2021	Turbo Machines	Professional Elective - VI	7	3	0	2	4	70	30	20	30	150
3171928	19	6/1/2021	Design of Material Handling Equipment	Professional Elective - VI	7	3	0	2	4	70	30	20	30	150
3171929	19	6/1/2021	Quality and Reliability Engineering	Professional Elective - VI	7	3	0	2	4	70	30	20	30	150
3171930	19	6/1/2021	Industrial Internet of Things	Open Elective - III	7	3	0	0	3	70	30	0	0	100
3171931	19	6/1/2021	Nanotechnology and surface Engineering	Open Elective - III	7	3	0	0	3	70	30	0	0	100

Semester 8

Subcode	Branch code	Eff_from	SubjectName	Category	Sem/Year	L:	T:	P:	Total	E	M	I	V	Total
2181909	19	Dec 2017	Project – II		8	0	0	16	16	0	0	20	80	100
2181910	19	Dec 2017	Renewable Energy Engineering		8	4	0	0	4	70	30	0	0	100
2181911	19	Dec 2017	Finite Elements Method	Departmental Elective II	8	3	0	2	5	70	30	20	30	150
2181912	19	Dec 2017	Optimization	Departmental Elective II	8	3	2	0	5	70	30	20	30	150

2181913	19	Dec 2017	Product Design and Value Engineering	Departmental Elective II	8	3	2	0	5	70	30	20	30	150
2181914	19	Dec 2017	Rapid Prototyping	Departmental Elective II	8	3	0	2	5	70	30	20	30	150
2181915	19	Dec 2017	Automobile Engineering	Departmental Elective II	8	3	0	2	5	70	30	20	30	150
2181916	19	Dec 2017	Energy Conservation and Management	Departmental Elective II	8	3	2	0	5	70	30	20	30	150
2181917	19	Dec 2017	Cryogenic Engineering	Departmental Elective II	8	3	0	2	5	70	30	20	30	150
2181918	19	Dec 2017	Principles of Combustion Engineering	Departmental Elective II	8	3	0	2	5	70	30	20	30	150
2181919	19	Dec 2017	Robotics	Departmental Elective II	8	3	0	2	5	70	30	20	30	150
2181920	19	Dec 2017	Quality Engineering	Departmental Elective II	8	3	2	0	5	70	30	20	30	150
2181921	19	Dec 2017	Design for Manufacturing and Assembly	Departmental Elective II	8	3	2	0	5	70	30	20	30	150
2181922	19	Dec 2017	Automation	Departmental Elective II	8	3	0	2	5	70	30	20	30	150
2181923	19	Dec 2017	Enterpreneurship	Departmental Elective II	8	3	2	0	5	70	30	20	30	150
2181924	19	Dec 2017	Design of Heat Exchanger	Departmental Elective II	8	3	0	2	5	70	30	20	30	150
2181925	19	Dec 2017	Computational Fluid Dynamics	Departmental Elective II	8	3	0	2	5	70	30	20	30	150
2181926	19	Dec 2017	Tribology	Departmental Elective II	8	3	0	2	5	70	30	20	30	150
2181927	19	Dec 2017	Advance Welding Technology	Departmental Elective II	8	3	0	2	5	70	30	20	30	150

Electronics & Communication Engineering Department Syllabus
Semester 1 and 2

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3110002	11	2018-19	English	Humanities and Social Science	1	2	0	2	3	70	30	20	30	150
3110003	11	2018-19	Programming for Problem Solving	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110005	11	2018-19	Basic Electrical Engineering	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110006	11	2018-19	Basic	Engineering	1	3	0	2	4	70	30	20	30	150

			Mechanical Engineering	Science										
3110007	11	2018-19	Environmental Sciences	Mandatory	1	2	2	0	0	70	30	0	0	100
3110012	11	2018-19	Workshop/ Manufacturing Practices	Engineering Science	1	0	0	4	2	0	0	20	80	100
3110013	11	2018-19	Engineering Graphics & Design	Engineering Science	1	2	0	4	4	70	30	20	30	150
3110014	11	2018-19	Mathematics - 1	Basic Science	1	3	2	0	5	70	30	0	0	100
3110015	11	2018-19	Mathematics - 2	Basic Science	1	3	2	0	5	70	30	0	0	100
3110016	11	2018-19	Basic Electronics	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110017	11	2018-19	Induction Program	Mandatory	1	0	0	0	0	0	0	0	0	0
3110018	11	2018-19	Physics	Basic Science	1	3	0	2	4	70	30	20	30	150

Semester 3

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3130004	11	2018-19	Effective Technical Communication	Humanities and Social Science	3	2	0	2	3	70	30	20	30	150
3130006	11	2018-19	Probability and Statistics	Basic Science	3	3	2	0	5	70	30	0	0	100
3130007	11	2018-19	Indian Constitution	Mandatory	3	2	0	0	0	50	0	0	0	50
3130008	11	2018-19	Design Engineering - I A	Project Work	3	0	0	2	1	0	0	20	80	100
3131101	11	2018-19	Control Systems	Engineering Science	3	3	0	2	4	70	30	20	30	150
3131102	11	2018-19	Digital System Design	Professional Core	3	4	0	2	5	70	30	20	30	150
3131103	11	2018-19	Network Theory	Professional Core	3	4	0	2	5	70	30	20	30	150

Semester 4

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3140005	11	2018-19	Design Engineering 1 B	Project Work	4	0	0	2	1	0	0	20	80	100
3141002	11	2018-19	Analog Circuit Design	Professional Core	4	4	0	2	5	70	30	20	30	150

3141005	11	2018-19	Signal & Systems	Basic Science	4	3	0	2	4	70	30	20	30	150
3141007	11	2018-19	Professional Ethics	Humanities and Social Science	4	3	0	0	3	70	30	0	0	100
3141008	11	2018-19	Microprocessor & Microcontroller	Professional Core	4	4	0	2	5	70	30	20	30	150
3141009	11	2018-19	Electromagnetic Theory	Professional Core	4	4	0	0	4	70	30	0	0	100
3141010	11	2018-19	Electronic Measurement Laboratory	Professional Core	4	0	0	2	1	0	0	20	80	100

Semester 5

Subcode	Branch code	Eff_from	SubjectName	Category	Sem/Year	L.	T.	P.	Total	E	M	I	V	Total
3150001	11	June 2020	Design Engineering - II A	Project Work	5	0	0	2	1	0	0	20	80	100
3150004	11	June 2020	Contributor Personality Development Program	Personality development Elective	5	2	0	0	2	70	30	20	30	150
3150005	11	June 2020	Integrated Personality Development Course	Personality development Elective	5	2	0	0	2	70	30	20	30	150
3151103	11	June 2020	Principles of Management	Humanities and Social Science	5	3	0	0	3	70	30	0	0	100
3151104	11	June 2020	Analog and Digital Communication	Professional Core	5	4	0	2	5	70	30	20	30	150
3151105	11	June 2020	VLSI Design	Professional Core	5	4	0	2	5	70	30	20	30	150
3151106	11	June 2020	Power Electronics	Professional Elective - I	5	3	0	2	4	70	30	20	30	150
3151107	11	June 2020	Advance Microcontroller	Professional Elective - I	5	3	0	2	4	70	30	20	30	150
3151108	11	June 2020	Python Programming	Open Elective - I	5	2	0	2	3	70	30	20	30	150
3151109	11	June 2020	Industrial Automation	Open Elective - I	5	2	0	2	3	70	30	20	30	150
3151110	11	June 2020	Robotics and Automation	Open Elective - I	5	2	0	2	3	70	30	20	30	150

Semester 6

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3160001	11	Dec-2020	Design Engineering II B	Project Work	6	0	0	2	1	0	0	20	80	100
3160002	11	Dec-2020	Contributor Personality Development Program	Personality development Elective	6	2	0	0	2	70	30	20	30	150
3160003	11	Dec-2020	Integrated Personality Development Course	Personality development Elective	6	2	0	0	2	70	30	20	30	150
3161003	11	Dec-2020	Antennas and Propagation	Professional Core	6	4	0	2	5	70	30	20	30	150
3161005	11	Dec-2020	Fiber Optic Communication	Professional Core	6	3	0	2	4	70	30	20	30	150
3161007	11	Dec-2020	Computer Networks	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3161008	11	Dec-2020	Sensors and Transducers	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3161009	11	Dec-2020	Embedded Systems	Professional Elective - III	6	3	0	2	4	70	30	20	30	150
3161010	11	Dec-2020	Satellite Communication	Professional Elective - III	6	3	0	2	4	70	30	20	30	150
3161011	11	Dec-2020	Cyber Physical systems	Open elective - II	6	2	0	2	3	70	30	20	30	150
3161012	11	Dec-2020	Web Technology	Open elective - II	6	2	0	2	3	70	30	20	30	150
3161013	11	Dec-2020	Systems Engineering	Open elective - II	6	2	0	2	3	70	30	20	30	150

Semester 7

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3170001	11	6/1/2021	Summer Internship	Project	7	0	0	0	2	0	0	20	80	100
3171001	11	6/1/2021	Microwave Theory and Techniques	Professional Elective - IV	7	3	0	2	4	70	30	20	30	150
3171003	11	6/1/2021	Digital Signal Processing	Professional Core	7	3	0	2	4	70	30	20	30	150
3171004	11	6/1/2021	Wireless Communication	Professional Core	7	3	0	2	4	70	30	20	30	150

3171104	11	6/1/2021	Biomedical Electronics	Professional Elective - IV	7	3	0	2	4	70	30	20	30	150
3171105	11	6/1/2021	Introduction of Artificial Intelligence	Open Elective - III	7	2	0	2	3	70	30	20	30	150
3171106	11	6/1/2021	Wireless Sensor Networks	Professional Elective - V	7	2	0	2	3	70	30	20	30	150
3171107	11	6/1/2021	Introduction to MEMS	Professional Elective - V	7	2	0	2	3	70	30	20	30	150
3171108	11	6/1/2021	Internet of Things	Professional Elective - V	7	2	0	2	3	70	30	20	30	150
3171109	11	6/1/2021	Digital Image and Video Processing	Professional Elective - VI	7	3	0	2	4	70	30	20	30	150
3171110	11	6/1/2021	Radar and Navigational Aids	Professional Elective - VI	7	3	0	2	4	70	30	20	30	150
3171111	11	6/1/2021	Testing and Verification	Professional Elective - VI	7	3	0	2	4	70	30	20	30	150
3171112	11	6/1/2021	Automotive Electronics	Open Elective - III	7	2	0	2	3	70	30	20	30	150
3171113	11	6/1/2021	Practical ascepts Computer Vision	Open Elective - III	7	2	0	2	3	70	30	20	30	150
3171114	11	6/1/2021	Introduction of Machine learning	Professional Elective - IV	7	3	0	2	4	70	30	20	30	150

Semester 8

Subcode	Branch code	Eff_from	SubjectName	Category	Sem/Year	L:	T:	P:	Total	E	M	I	V	Total
2181102	11	Dec 2017	Fundamentals of Image Processing	Departmental Elective III	8	4	0	2	6	70	30	20	30	150
2181103	11	Dec 2017	Radar & Navigational Aids	Departmental Elective III	8	4	0	2	6	70	30	20	30	150
2181106	11	Dec 2017	Device Driver & Writing	Departmental Elective III	8	4	0	2	6	70	30	20	30	150
2181107	11	Dec 2017	Testing And Verification	Departmental Elective III	8	4	0	2	6	70	30	20	30	150
2181108	11	Dec 2017	Project II		8	0	0	18	18	0	0	20	80	100

CSE Syllabus
Semester 1 & 2

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3110002	07	2018-19	English	Humanities and Social Science	1	2	0	2	3	70	30	20	30	150
3110003	07	2018-19	Programming for Problem Solving	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110005	07	2018-19	Basic Electrical Engineering	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110006	07	2018-19	Basic Mechanical Engineering	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110007	07	2018-19	Environmental Sciences	Mandatory	1	2	2	0	0	70	30	0	0	100
3110012	07	2018-19	Workshop/ Manufacturing Practices	Engineering Science	1	0	0	4	2	0	0	20	80	100
3110013	07	2018-19	Engineering Graphics & Design	Engineering Science	1	2	0	4	4	70	30	20	30	150
3110014	07	2018-19	Mathematics - 1	Basic Science	1	3	2	0	5	70	30	0	0	100
3110015	07	2018-19	Mathematics - 2	Basic Science	1	3	2	0	5	70	30	0	0	100
3110016	07	2018-19	Basic Electronics	Engineering Science	1	3	0	2	4	70	30	20	30	150
3110017	07	2018-19	Induction Program	Mandatory	1	0	0	0	0	0	0	0	0	0
3110018	07	2018-19	Physics	Basic Science	1	3	0	2	4	70	30	20	30	150

Semester 3

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3130004	07	2018-19	Effective Technical	Humanities and Social	3	2	0	2	3	70	30	20	30	150

			Communication	Science										
3130006	07	2018-19	Probability and Statistics	Basic Science	3	3	2	0	5	70	30	0	0	100
3130007	07	2018-19	Indian Constitution	Mandatory	3	2	0	0	0	50	0	0	0	50
3130008	07	2018-19	Design Engineering - I A	Project Work	3	0	0	2	1	0	0	20	80	100
3130702	07	2018-19	Data Structures	Professional Core	3	3	0	4	5	70	30	20	30	150
3130703	07	2018-19	Database Management Systems	Professional Core	3	4	0	2	5	70	30	20	30	150
3130704	07	2018-19	Digital Fundamentals	Engineering Science	3	3	0	2	4	70	30	20	30	150

Semester 4

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3140005	07	2018-19	Design Engineering 1 B	Project Work	4	0	0	2	1	0	0	20	80	100
3140702	07	2018-19	Operating System	Professional Core	4	4	0	2	5	70	30	20	30	150
3140705	07	2018-19	Object Oriented Programming -I	Professional Core	4	4	0	2	5	70	30	20	30	150
3140707	07	2018-19	Computer Organization & Architecture	Professional Core	4	3	0	2	4	70	30	20	30	150
3140708	07	2018-19	Discrete Mathematics	Basic Science	4	3	2	0	5	70	30	0	0	100
3140709	07	2018-19	Principles of Economics and Management	Humanities and Social Science	4	3	0	0	3	70	30	0	0	100

Semester 5

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3150001	07	June 2020	Design Engineering - II A	Project Work	5	0	0	2	1	0	0	20	80	100
3150004	07	June 2020	Contributor Personality Development Program	Personality development Elective	5	2	0	0	2	70	30	20	30	150
3150005	07	June 2020	Integrated Personality Development Course	Personality development Elective	5	2	0	0	2	70	30	20	30	150
3150703	07	June 2020	Analysis and Design of Algorithms	Professional Core	5	4	0	2	5	70	30	20	30	150

3150709	07	June 2020	Professional ethics	Humanities and Social Science	5	3	0	0	3	70	30	0	0	100
3150710	07	June 2020	Computer Networks	Professional Core	5	4	0	2	5	70	30	20	30	150
3150711	07	June 2020	Software Engineering	Professional Elective - I	5	3	0	2	4	70	30	20	30	150
3150712	07	June 2020	Computer Graphics	Professional Elective - I	5	3	0	2	4	70	30	20	30	150
3150713	07	June 2020	Python for Data Science	Open Elective - I	5	2	0	2	3	70	30	20	30	150
3150714	07	June 2020	Cyber Security	Open Elective - I	5	2	0	2	3	70	30	20	30	150

Semester 6

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L:	T:	P:	Total	E	M	I	V	Total
3160001	07	Dec-2020	Design Engineering II B	Project Work	6	0	0	2	1	0	0	20	80	100
3160002	07	Dec-2020	Contributor Personality Development Program	Personality development Elective	6	2	0	0	2	70	30	20	30	150
3160003	07	Dec-2020	Integrated Personality Development Course	Personality development Elective	6	2	0	0	2	70	30	20	30	150
3160704	07	Dec-2020	Theory of Computation	Professional Core	6	4	1	0	5	70	30	0	0	100
3160707	07	Dec-2020	Advanced Java Programming	Professional Elective - III	6	3	0	2	4	70	30	20	30	150
3160712	07	Dec-2020	Microprocessor and Interfacing	Professional Core	6	3	0	2	4	70	30	20	30	150
3160713	07	Dec-2020	Web Programming	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3160714	07	Dec-2020	Data Mining	Professional Elective - II	6	3	0	2	4	70	30	20	30	150
3160715	07	Dec-2020	System Software	Professional Elective - III	6	3	0	2	4	70	30	20	30	150
3160716	07	Dec-2020	IOT and applications	Open elective - II	6	2	0	2	3	70	30	20	30	150
3160717	07	Dec-2020	Data Visualization	Open elective - II	6	2	0	2	3	70	30	20	30	150

Semester 7

Subcode	Branch code	Eff_from	SubjectName	Category	Sem /Year	L.	T.	P.	Total	E	M	I	V	Total
3170001	07	6/1/2021	Summer Internship	Project	7	0	0	0	2	0	0	20	80	100

3170701	07	6/1/2021	Complier Design	Professional Core	7	3	0	2	4	70	30	20	30	150
3170710	07	6/1/2021	Mobile Computing and Wireless communication	Professional Elective - IV	7	3	0	0	3	70	30	0	0	100
3170716	07	6/1/2021	Artificial Intelligence	Professional Core	7	3	0	2	4	70	30	20	30	150
3170717	07	6/1/2021	Cloud Computing	Professional Elective - IV	7	3	0	0	3	70	30	0	0	100
3170718	07	6/1/2021	Information Retrieval	Professional Elective - IV	7	3	0	0	3	70	30	0	0	100
3170719	07	6/1/2021	Distributed System	Professional Elective - V	7	3	0	2	4	70	30	20	30	150
3170720	07	6/1/2021	Information security	Professional Elective - V	7	3	0	2	4	70	30	20	30	150
3170721	07	6/1/2021	Parallel and Distributed Computing	Professional Elective - V	7	3	0	2	4	70	30	20	30	150
3170722	07	6/1/2021	Big Data Analytics	Professional Elective - VI	7	3	0	2	4	70	30	20	30	150
3170723	07	6/1/2021	Natural Language Processing	Professional Elective - VI	7	3	0	2	4	70	30	20	30	150
3170724	07	6/1/2021	Machine Learning	Professional Elective - VI	7	3	0	2	4	70	30	20	30	150
3170725	07	6/1/2021	Digital forensics	Open Elective - III	7	2	0	2	3	70	30	20	30	150
3170726	07	6/1/2021	Mobile Application Development	Open Elective - III	7	2	0	2	3	70	30	20	30	150

Semester 8

Subcode	Branch code	Eff_from	SubjectName	Category	Sem/Year	L:	T:	P:	Total	E	M	I	V	Total
2180703	07	Dec 2017	Artificial Intelligence		8	4	0	2	6	70	30	20	30	150
2180706	07	Dec 2017	Project (Phase-II)		8	0	0	16	16	0	0	20	80	100
2180709	07	Dec 2017	IOT and Applications	Departmental Elective III	8	3	0	2	5	70	30	20	30	150
2180710	07	Dec 2017	Big Data Analytics	Departmental Elective III	8	3	0	2	5	70	30	20	30	150
2180711	07	Dec 2017	Python Programming	Departmental Elective III	8	3	0	2	5	70	30	20	30	150

2180712	07	Dec 2017	Cloud Infrastructure and Services	Departmental Elective III	8	3	0	2	5	70	30	20	30	150
2180713	07	Dec 2017	Web data Management	Departmental Elective III	8	3	0	2	5	70	30	20	30	150
2180714	07	Dec 2017	iOS Programming	Departmental Elective III	8	3	0	2	5	70	30	20	30	150
2180715	07	Dec 2017	Android Programming	Departmental Elective III	8	3	0	2	5	70	30	20	30	150

- **Academic Calendar of the University:**

GUJARAT TECHNOLOGICAL UNIVERSITY

(Established by Government of Gujarat under Gujarat Act No.:20 of 2007)

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

(ગુજરાત અધિનિયમ ક્રમાંક : ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

Accredited with A+ Grade by NAAC

Ref: GTU/Academic_Calendar_2023-24/ 5159 Date: 14/07/2023

ACADEMIC CALENDAR 2023-24(ODD TERM)

Sr./No.	Program/Course	Sem./Year	Term Start Date	Term End Date
1	D.Arch.	1	26-08-2023	30-12-2023
2	B.Arch.	3	24-07-2023	09-11-2023
3	B.Arch.	5,9	03-07-2023	04-11-2023
4	D.Arch.	7	04-07-2023	04-11-2023
5	B.Design	1	28-07-2023	09-11-2023
6	BID	1	28-07-2023	09-11-2023
7	BID	3	24-07-2023	09-11-2023
8	BID	5,7	03-07-2023	04-11-2023
9	D.Arch	1	18-07-2023	09-11-2023
10	D.Arch	3	01-08-2023	23-12-2023
11	D.Arch	5	03-07-2023	07-11-2023
12	M.Arch	1	10-08-2023	30-12-2023
13	M.Arch.	3	24-07-2023	09-11-2023
14	DE	1	18-07-2023	09-11-2023
15	DE	3	10-08-2023	30-12-2023
16	DE	5	27-07-2023	16-12-2023
17	DE	7	21-07-2023	09-11-2023
18	B.Voc	1	28-07-2023	09-11-2023
19	B.Voc	3	24-07-2023	09-11-2023
20	B.Voc	5	03-07-2023	04-11-2023
21	BE	1	11-07-2023	04-11-2023
22	BE	3	14-08-2023	30-12-2023
23	BE	5	31-07-2023	16-12-2023
24	BE	7	27-07-2023	30-12-2023
25	Be (Part Time)/PDDC	3	07-08-2023	23-12-2023
26	BE (Part Time)/PDDC	5,7	21-07-2023	09-11-2023
27	D.Voc	1	28-07-2023	09-11-2023
28	D.Voc	3	24-07-2023	09-11-2023
29	D.Voc	5	03-07-2023	04-11-2023
30	ME	1	10-08-2023	30-12-2023
31	ME	3	07-08-2023	09-11-2023
32	BHMCT	1	10-08-2023	30-12-2023
33	BHMCT	3,5	24-07-2023	09-11-2023
34	BHMCT	7	19-07-2023	04-11-2023
35	MBA	1	22-08-2023	30-12-2023
36	MBA	3	20-07-2023	23-12-2023
37	MBA Integrated	1	28-07-2023	09-11-2023
38	MBA Integrated	3	24-07-2023	09-11-2023
39	MBA Integrated	5	13-07-2023	04-11-2023
40	MBA Integrated	9	24-07-2023	09-11-2023
41	MBA Integrated	7	03-07-2023	09-11-2023
42	MBA Part Time	3	24-07-2023	09-11-2023
43	MBA Part Time	5	03-07-2023	04-11-2023
44	M.Sc (CS) Integrated	3,5	13-07-2023	04-11-2023

Academic Time Table:

GOVERNMENT ENGINEE
Computer Science & En
Class Master Time Ta
w.e.f. 01/0

Day	Time	No.	1-G [305]	1-H [319]	3-G [306]	3-H [307]
MONDAY	10:30 to 11:30	1		H1-MATHS-1-817-VF1 H2-MATHS-1-817-VF H3-MATHS-1-817-VF	**IC-MGP-[305]**	DS-KRR
	11:30 to 12:30	2	**BEE-NKD**		DS-KRR	DF-VBP
	1:00 to 2:00	3	**MATHS-2(VCM)**	PHY-HSB	P&S-BSP	ETC-VF
	2:00 to 3:00	4	**PHY-HSB**	**Maths 1-VCM**	ETC-VF	P&S-BSP
	3:15 to 4:15	5		PHY-H1-L812-AKC BOD-H2-L411-SPP BEE-H3-L802-SOP	DS-G1-L313-KRR DBMS-G2-L302-MJV DF-G3-L201-AMV	P&S-H1-816-VCM P&S-H2-816-VPS P&S-H3-816-BSP
	4:15 to 5:15	6				
TUESDAY	10:30 to 11:30	1	**EGD-SPP**	BEE-SOP	IC-NAP	DS-KRR
	11:30 to 12:30	2	**BEE-MDP**	BOD-SPP	DS-KRR	DF-VBP
	1:00 to 2:00	3	**Maths 1-VCM**	PHY-HSB	DBMS-MJV	DE1A-H1-L311-AVP DE1A-H2-L312-HDC DE1A-H3-L313-BPP
	2:00 to 3:00	4	**PHY-HSB**	**Maths 1-VCM**	DE1A-G1-L311-BPP DE1A-G2-L312-VBP DE1A-G3-L313-VBP	DBMS-MJV
	3:15 to 4:15	5	WS-G1-NRM WS-G2-HRP WS-G3-ASD	BEE-H1-L802-SOP PHY-H2-L812-AKC BOD-H3-L411-HNP	DS-G2-L313-KRR DBMS-G3-L302-MJV DF-G1-L201-SAP	DS-H1-L313-VF DS-H2-L303-VF DS-H3-L302-VF
	4:15 to 5:15	6				
WEDNESDAY	10:30 to 11:30	1			**DBMS-MJV-[305]**	DF-VBP
	11:30 to 12:30	2	**BEE -ANP**		DF-VBP	DBMS-MJV
	1:00 to 2:00	3	BEE-G1-L802-MDP PHY-G2-L812-AKC BOD-G3-L411-RAO	WS-H1-DKP WS-H2-VKP WS-H3-DP	**P&S-BSP-[305]**	ETC-VF
	2:00 to 3:00	4			ETC-VF	**P&S-BSP-[305]**
	3:15 to 4:15	5	G1-MATHS-1-817-VCM G2-MATHS-1-817-BSP G3-MATHS-1-817-VF1	BEE-MDP-[305]	DS-G3-L313-KRR DBMS-G1-L302-MJV DF-G2-L201-MMP	ETC-H1-L812-VF ETC-H2-L812-VF ETC-H3-L812-VF
	4:15 to 5:15	6				
THURSDAY	10:30 to 11:30	1	BOD-G1-L411-DP BOD-G2-L411-KKR BOD-G3-L411-HKP	WS-H1- WS-H2- WS-H3-	**DBMS-MJV-[305]**	IC-BBP
	11:30 to 12:30	2		Schedule will be declared separately	**DF-VBP-[305]**	DBMS-MJV
	1:00 to 2:00	3	WS-G1- WS-G2- WS-G3-		**P&S-BSP-[305]**	DS-KRR
	2:00 to 3:00	4	Schedule will be declared separately		**DS-KRR-[305]**	P&S-BSP
	3:15 to 4:15	5	**EGD-KKR**	BOD-H1-L411-CPK BEE-H2-L802-NKD PHYS-H3-L812-AKC	ETC-G1-L812-VF ETC-G2-L812-VF ETC-G3-L812-VF	DS-H1-L313-KRR DBMS-H2-L302-MJV DF-H3-L201-AMV
	4:15 to 5:15	6				
FRIDAY	10:30 to 11:30	1	PHY-G1-L812-HSB BOD-G2-L411-SPP BEE-G3-L802-NKD	**EGD-KKR-[305]**	DBMS-MJV	IC-NRM
	11:30 to 12:30	2		**BEE-SGP-[305]**	DF-VBP	DBMS-MJV
	1:00 to 2:00	3	**MATHS-1-(VCM)**	PHY-AKC	DS-G1-L313-VBP DS-G2-L313-VF DS-G3-L313-VF	DS-H2-L313-KRR DBMS-H3-L302-MJV DF-H1-L201-MMP
	2:00 to 3:00	4	**PHY-AKC**	**Maths 1-VCM**		
	3:15 to 4:15	5	BOD-G1-L411-CPK BEE-G2-L802-SOP PHYSICS-G3-L812-HSB	BOD-G1-L411-DP BOD-G2-L411-KKR BOD-G3-L411-NRM	P&S-G1-816-VCM P&S-G2-816-VPS P&S-G3-816-BSP	DS-H3-L313-KRR DBMS-H1-L302-MJV DF-H2-L201-MBP
	4:15 to 5:15	6				
SATURDAY	10:30 to 11:30	1			DE1A-G1-L311-VBP DE1A-G2-L312-KRR DE1A-G3-L313-AVP	
	11:30 to 12:30	2				
	1:00 to 2:00	3				
	2:00 to 3:00	4				
	3:15 to 4:15	5				DE1A-H1-L311-BPP DE1A-H2-L312-DUB DE1A-H3-L313-HLC
	4:15 to 5:15	6				
Day	Time	No.	1-G [305]	1-H [319]	3-G [306]	3-H [307]

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Prof. V. B. Pansiniya **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday		DF-H-307					CD-H1-L301	
Tuesday		DF-H-307			DE1A-G3-L313		CD-H2-L301	
Wednesday	DF-H-307	DF-G-306						
Thursday		DF-G-306					CD-H4-L301	
Friday		DF-G-306		DS-G1-L313			CD-H3-L301	
Saturday	DE1A-G1-L311							

Total load(Hours / week)	
Theory:	6
Practical:	12
Project	0
Total:	18

H.O.D

BE sem I [Induction Program]	11/07/2023 to 25/07/2023
BE sem VII [Internship]	27/07/2023 to 10/08/2023
Diwali Vacation	10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Prof. H. B. JETHAVA **Designation: Asso. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday				AI-G-317	AI-H-L312		AI-G2-L301	
Tuesday				AI-G-317	AI-H-L312		AI-G3-L301	
Wednesday				AI-G-317	AI-H-L312		AI-G4-L301	
Thursday							AI-G1-L301	
Friday							AI-H4-L302	
Saturday								

Total load(Hours / week)	
Theory:	6
Practical:	10
Project	0
Total:	16

H.O.D

BE sem I [Induction Program]	11/07/2023 to 25/07/2023
BE sem VII [Internship]	27/07/2023 to 10/08/2023
Diwali Vacation	10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Prof. H. L. Chaudhary **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday		ML-G/H-L312						
Tuesday	ADA-H1-L303			ADA-G-314	ADA-H-316			
Wednesday	ADA-H2-L303						ML-LAB1-L301	
Thursday	ADA-H3-L303			ML-G/H-L312				
Friday	ML-G/H-L312	ML-LAB2-L301		ML-LAB2-L301				
Saturday	ML-LAB3-L301			ML-LAB3-L301			DE1A-H3-L313	

Total load(Hours / week)	
Theory:	5
Practical:	13
Project	0
Total:	18

H.O.D

BE sem I [Induction Program] 11/07/2023 to 25/07/2023

BE sem VII [Internship] 27/07/2023 to 10/08/2023

Diwali Vacation 10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Prof. A. V. Panchal **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday							DIS-G3-L303	
Tuesday	DIS-H-L312	DIS-G-317		DE1A-H1-L311			DIS-G4-L303	
Wednesday	DIS-H-L312	DIS-G-317					DIS-G1-L303	
Thursday	DIS-H-L312	DIS-G-317					DIS-G2-L303	
Friday								
Saturday	DE1A-G3-L313			DE-2A-G1-L314			DE-2A-H1-L314	

Total load(Hours / week)	
Theory:	6
Practical:	12
Project	0
Total:	18

H.O.D

BE sem I [Induction Program]	11/07/2023 to 25/07/2023
BE sem VII [Internship]	27/07/2023 to 10/08/2023
Diwali Vacation	10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Prof. P. A. Darji **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday				CLOUD-H-L312	CLOUD-G-317		DIS-H3-L315	
Tuesday				CLOUD-H-L312	CLOUD-G-317		DIS-H4-L315	
Wednesday				CLOUD-H-L312	CLOUD-G-317			
Thursday							DIS-H2-L315	
Friday							DIS-H1-L315	
Saturday	DE-2A-G2-L314			DE-2A-G2-L314			DE-2A-H2-L314	

Total load(Hours / week)	
Theory:	6
Practical:	11
Project	0
Total:	17

H.O.D

BE sem I [Induction Program] 11/07/2023 to 25/07/2023

BE sem VII [Internship] 27/07/2023 to 10/08/2023

Diwali Vacation 10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Prof. B. P. Patel **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday	DFS-G/H-314						DFS-H4--L314	
Tuesday	PDS-H4-L302				DE1A-G1-L311			
Wednesday	PDS-H1-L302							PE-G-314
Thursday	PDS-H2-L302						DFS-H3--L314	
Friday		DFS-G/H-314					PE-G-314	PE-H-316
Saturday				DFS-H5--L314			DFS-H5--L314	

Total load(Hours / week)	
Theory:	5
Practical:	13
Project	0
Total:	18

H.O.D

BE sem I [Induction Program] 11/07/2023 to 25/07/2023

BE sem VII [Internship] 27/07/2023 to 10/08/2023

Diwali Vacation 10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Prof. M. J. Patel **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday	ADA-G1-L303			ADA-G-314	ADA-H-316			
Tuesday	ADA-G2-L303							
Wednesday	ADA-G3-L303			ADA-G-314	ADA-H-316			
Thursday	ADA-G4-L303			ADA-G-314	ADA-H-316			
Friday	ADA-H4-L303							
Saturday	DE-2A-G3-L302			DE-2A-G3-L302				

Total load(Hours / week)	
Theory:	6
Practical:	12
Project	0
Total:	18

H.O.D

BE sem I [Induction Program]	11/07/2023 to 25/07/2023
BE sem VII [Internship]	27/07/2023 to 10/08/2023
Diwali Vacation	10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Dr. K. C. Suthar **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday	PDS-G4-L302							
Tuesday	PDS-G1-L302							PE-G-314
Wednesday	PDS-G2-L302							
Thursday	PDS-G3-L302						PDS-G-314	PDS-H-316
Friday	PDS-H3-L302			PDS-G-314	PDS-H-316			
Saturday	DE-2A-G4-L302			DE-2A-G4-L302			DE-2A-H4-L302	

Total load(Hours / week)	
Theory:	5
Practical:	13
Project	0
Total:	18

H.O.D

BE sem I [Induction Program] 11/07/2023 to 25/07/2023

BE sem VII [Internship] 27/07/2023 to 10/08/2023

Diwali Vacation 10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Prof. Y. B.Patel **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday	CN-G2-L314						CN-H-316	CN-G-314
Tuesday	CN-G3-L314				DE1A-G2-L312		CN-H-316	
Wednesday	CN-G4-L314							
Thursday	CN-G1-L314			PPS-A-919				CN-G-314
Friday	PPS-A2-L314							
Saturday				DE-2A-H1-L314				

Total load(Hours / week)	
Theory:	5
Practical:	12
Project	0
Total:	17

H.O.D

BE sem I [Induction Program]	11/07/2023 to 25/07/2023
BE sem VII [Internship]	27/07/2023 to 10/08/2023
Diwali Vacation	10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Prof. J.P. Patel **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday	SE-G3-L301				SE-G-314			SE-H-316
Tuesday	SE-G4-L301			DE1A-H3-L313	SE-G-314			SE-H-316
Wednesday	SE-G1-L301			SE-H-316	SE-G-314			
Thursday	SE-G2-L301							
Friday	SE-H2-L301							
Saturday							DE1A-H1-L311	

Total load(Hours / week)	
Theory:	6
Practical:	12
Project	0
Total:	18

H.O.D

BE sem I [Induction Program]	11/07/2023 to 25/07/2023
BE sem VII [Internship]	27/07/2023 to 10/08/2023
Diwali Vacation	10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:-Prof. D.U. Bavisa **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday	MAD-G-317			PE-H-316			MAD-G4--L302	
Tuesday				PE-H-316			MAD-G1--L302	
Wednesday							MAD-G2--L302	
Thursday					MAD-H-L312		MAD-G3--L302	
Friday		MAD-G-317			MAD-H-L312		MAD-H2--L302	
Saturday				DE-2A-H2-L314			DE1A-H2-L312	

Total load(Hours / week)	
Theory:	6
Practical:	12
Project	0
Total:	18

H.O.D

BE sem I [Induction Program] 11/07/2023 to 25/07/2023

BE sem VII [Internship] 27/07/2023 to 10/08/2023

Diwali Vacation 10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Prof. M.J. Vasava **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday							DBMS-G2-L302	
Tuesday				DBMS-G-306	DBMS-H-307		DBMS-G3-L302	
Wednesday	DBMS-G-306	DBMS-H-307					DBMS-G1-L302	
Thursday	DBMS-G-306	DBMS-H-307					DBMS-H2-L302	
Friday	DBMS-G-306	DBMS-H-307		DBMS-H3-L302			DBMS-H1-L302	
Saturday								

Total load(Hours / week)	
Theory:	8
Practical:	12
Project	0
Total:	20

H.O.D

BE sem I [Induction Program]	11/07/2023 to 25/07/2023
BE sem VII [Internship]	27/07/2023 to 10/08/2023
Diwali Vacation	10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Prof. S.H. Makwana **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday							CD-G1-L315	
Tuesday	CD-G-317	CD-H-L312					CD-G2-L315	
Wednesday	CD-G-317	CD-H-L312					CD-G3-L315	
Thursday	CD-G-317	CD-H-L312					CD-G4-L315	
Friday								
Saturday	DE-2A-G1-L314			DE-2A-H3-L302			DE-2A-H3-L302	

Total load(Hours / week)	
Theory:	6
Practical:	11
Project	0
Total:	17

H.O.D

BE sem I [Induction Program]	11/07/2023 to 25/07/2023
BE sem VII [Internship]	27/07/2023 to 10/08/2023
Diwali Vacation	10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Prof. H.D. Chande **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday					MCWC-314			
Tuesday	CN-H2-L301			DE1A-H2-L312	MCWC-314			
Wednesday	CN-H3-L301				MCWC-314			
Thursday	CN-H4-L301			CN-H-316	CN-G-314			
Friday	CN-H1-L301			CN-H-316	CN-G-314			
Saturday				DE-2A-H4-L302				

Total load(Hours / week)	
Theory:	7
Practical:	10
Project	0
Total:	17

H.O.D

BE sem I [Induction Program] 11/07/2023 to 25/07/2023

BE sem VII [Internship] 27/07/2023 to 10/08/2023

Diwali Vacation 10/11/2023 to 30/11/2023

GOVERNMENT ENGINEERING COLLEGE, PATAN (N.G.)
INDIVIDUAL TIME TABLE

NAME OF STAFF:- Prof. H.Y. Rathod **Designation: Asst. Prof.**

W.E.F: 26/07/2023

CSE SEM - 1st TERM: 26-07-2023 TO 04-11-2023 **CSE SEM - 5th TERM: 31-07-2023 TO 16-12-2023**

CSE SEM - 3rd TERM: 14-08-2023 TO 30-12-2023 **CSE SEM - 7th TERM: 27-07-2023 TO 30-12-2023**

DAY/TIME	10:30 TO 11:30	11:30 TO 12:30		13:00 TO 14:00	14:00 TO 15:00		15:15 TO 16:15	16:15 TO 17:15
	1	2		3	4		5	6
Monday		BDA-G/H-317						
Tuesday				PPS-A-919				
Wednesday				PPS-A-919			BDA-LAB5-L311	
Thursday	PPS-A1-L314			BDA-G/H-317	BDA-LAB4-L303			
Friday	BDA-G/H-317			BDA-LAB1-L303			BDA-LAB2-L303	
Saturday	BDA-LAB3-L303			BDA-LAB3-L303			BDA-LAB4-L303	

Total load(Hours / week)	
Theory:	5
Practical:	12
Project	0
Total:	17

H.O.D

BE sem I [Induction Program]	11/07/2023 to 25/07/2023
BE sem VII [Internship]	27/07/2023 to 10/08/2023
Diwali Vacation	10/11/2023 to 30/11/2023

- **Teaching Load of Faculty Members: Details as per Academic Time Table.**
- **Internal Continuous Evaluation System and place:** Through class test and Assignment
- **Students' assessment of Faculty, System in place:** Student feedback.

For each Post Graduate programme give the following: N/A

- Title of the program
- Curricula and Syllabi
- Faculty Profile

Special Purpose

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

16.Enrollment and Placement Details of students in last three years : Details provided above

17. List of Research Project/Consultancy Works : NIL

- Number of Projects Carried out, Funding agency, grant received
- Publication (if any) out of research in last three years out of master's projects
- Industry Linkage
- MoUs with Industries:

18. LoA and subsequent EoA till the current Academic Year:

All India Council for Technical Education

(A Statutory body under Ministry of Education, Govt. of India)

Nelson Mandela Marg,Vasant Kunj, New Delhi-110070 Website: www.aicte-India.org

APPROVAL PROCESS 2021-22

Extension of Approval (EoA)

F.No. Central/1-9317858643/2021/EOA

Date: 25-Jun-2021

To,

The Principal Secretary Deptt.
Of Higher & Tech. Education,
Govt. of Gujarat,New Sachivalaya B. No. 5,
7th Floor Gandhi Nagar-382010

Sub: Extension of Approval for the Academic Year 2021-22

Ref: Application of the Institution for Extension of Approval for the Academic Year 2021-22

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2021 Notified on 4th February, 2020 and amended on 24th February 2021 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to:

Permanent Id	1-4317911	**Application Id**	1-9317858643
Name of the Institution /University	GOVERNMENT ENGINEERING COLLEGE, AT.KATPUR, PATAN	**Name of the Society/Trust**	GOVERNMENT ENGINEERING COLLEGE, AT.KATPUR,PATAN
Institution /University Address	GOVERNMENT ENGINEERING COLLEGE, AT.KATPUR, DIS.-PATAN TA.-PATAN NORTH GUJARAT, PATAN-384265, PATAN, PATAN, Gujarat, 384265	**Society/Trust Address**	GOVERNMENT ENGINEERING COLLEGE, AT.KATPUR, DIS.-PATAN TA.-PATAN NORTH GUJARAT,PATAN,PATAN,Gujarat, 384265
Institution /University Type	Government	**Region**	Central

To conduct following Programs / Courses with the intake indicated below for the Academic Year 2021-22

Program	Level	Course	Affiliating Body (University /Body)	Intake Approved for 2020-21	Intake Approved for 2021-22	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	CIVIL ENGINEERING	Gujarat Technological University, Ahmedabad	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	MECHANICAL ENGINEERING	Gujarat Technological University, Ahmedabad	90	90	NA	NA

ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRICAL ENGINEERING	Gujarat Technological University, Ahmedabad	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	Gujarat Technological University, Ahmedabad	120	120	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	Gujarat Technological University, Ahmedabad	120	30	NA	NA

It is mandatory to comply with all the essential requirements as given in APH 2020-21 (Appendix 6)

The Institution/ University is having the following deficiencies as per the online application submitted to AICTE and the same shall be complied within Six Months from the date of issue of this EoA.

Deficiencies Noted based on Self Disclosure	
Particulars	**Deficiency**
1. Faculty Deficiency	Yes
2. Library Facilities	
Volumes	Yes
Journals	Yes

*Please refer Deficiency Report for details

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2020-21 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years beginning with the Academic Year 2020-21.

2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2020-21 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE.

3. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

4. Strict compliance of Anti-Ragging Regulation: - Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 373/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

19. Accounted audited statement for the last three years:

Audited Statement of Account of 2020-2021 (Income & Expenditure Statement for Complete year)

Income			Expenditure		
Sr No	Details	Amount	Sr No	Details	Amount
1	Tuition Fees	1323500	1	Salary	87182470
2	Other Fees/Amount Collected From Students		2	Administrative Expenses	1214719
3	Grant from Govt./Private Agencies	99680000	3	Training & Development	70636
4	Grant/Contribution From Other Sources (Management)	4724000	4	Laboratory Consumables	0
5	Scholarship Received		5	Library	0
6	Other Income		6	Travel	74547
			7	Fees Paid to University Board/Government/AICTE/UGC	1323500
			8	Repairs and Maintenance	0
			9	Scholarship/Concessions/Fellowships/Honorarium etc. awarded/incurred (other than Govt. grants.)	0
			10	Expenditure of grants received from Govt. /Private Agencies.	0
			11	Depreciation	0
			12	Any other Expenditure	10501728
	Total	104404000		Total	99044100

Principal

Principal
Government Engineering College
PATAN (N. G.)

Account officer

20. Best Practice adopted, if any