

1. Name of the Institution

- Chandubhai S. Patel Institute of Technology

2. Name and address of the Trust/ Society/ Company and the Trustees

Name of the Institute	Chandubhai S. Patel Institute of Technology
Address of the Institute	CHARUSAT Campus-Changa Off. Nadiad-Petlad Highway Gujarat (India) 388 421 INDIA
City & Pin Code	Changa – 388421
State	Gujarat
Country	India
Longitude & Latitude	Longitude: 72, Latitude: 22
Phone Number	+91-2697-265021
E-mail	principal.cspit@charusat.ac.in
Website	www.charusat.ac.in
Office Hours at Institute	09:00 am to 04:30 pm
Academic Hours at Institute	09:00 am to 04:20 pm
Nearest Railway Station	Nadiad Railway Station (11 km) Anand Railway Station (15 km)

3. Name and Address of the Principal

Name of the Principal	Dr Trushit Upadhyaya
Address	CHARUSAT Campus-Changa Off. Nadiad-Petlad Highway Gujarat (India) 388 421 INDIA
City & Pin Code	Changa – 388421
State	Gujarat
Country	India
Phone Number	+91-2697-265021
E-mail	principal.cspit@charusat.ac.in

4. Name of the affiliating University

Name of Affiliating University	CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY (CHARUSAT)
Address	CHARUSAT Campus-Changa Off. Nadiad-Petlad Highway Gujarat (India) 388 421 INDIA
Contact Details	Registrar
Phone Number	+91-2697-265021
website	www.charusat.ac.in
E-mail	info@charusat.ac.in

5. Governance

- Members of the Board and their brief background

Name	Category
Shri Surendra M Patel	President
Dr. R V Upadhyay	Provost
Shri Naginbhai M Patel	Member
Shri Nayan Patel	Member
Shri Deepen Patel	Member
Shri H T Patel	Member
Dr. M Balaganpathy	Member
Dr. Darshan Patel	Member
Dr. Atul Patel	Member Secretary

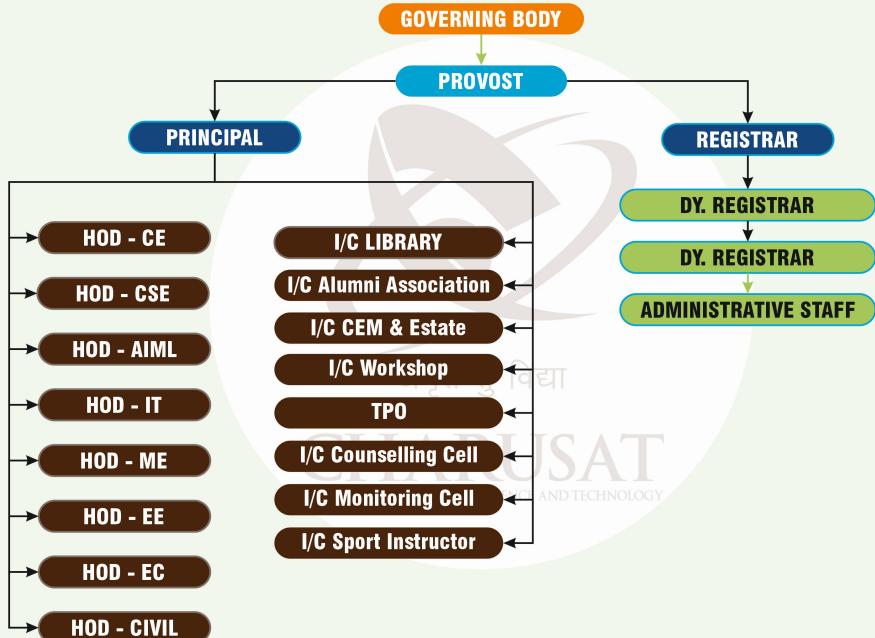
Members of Academic Advisory Body

Name	Category
Smt. Sumitraben C. Patel	Chief Executive, Eminent Pharma Entrepreneur in USA
Shri C A Patel	Vice President,Shree Charotar Moti Sattavis Patidar Kelavani Mandal
Shri V M Patel	Fromer Executive Engineer, PWD Vice-President, Matrusanstha
Shri Navnitbhai Harmanbhai Patel	Builder Vice-President, Matrusanstha
Shri Sanjay M. Patel	Eminent Technocrat
Shri Jayantibhai R Patel	Eminent Contractor Esteemed Donor
Shri Malav G Patel	Industrialist Esteemed Donor
Shri Jayant M. Patel	Electrical Consultant; USA Esteemed Donor
Shri Natubhai Patel	Esteemed Donor
Shri Narendra M Patel	Former Executive Engineer, PWD Member, Building Committee, Kelavani Mandal
Shri Pradeepbhai Patel	Consultant Engineer & Interior Designer Esteemed Donor
Head of Department	
Expert Members from each department	
Shri Ashokbhai Patel	Vice President
Dr. Trushit Upadhyaya	Member Secretary Principal, CSPIT

Frequently of the Board Meeting and Academic Advisory Body	Once in a Year
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Organizational chart and processes

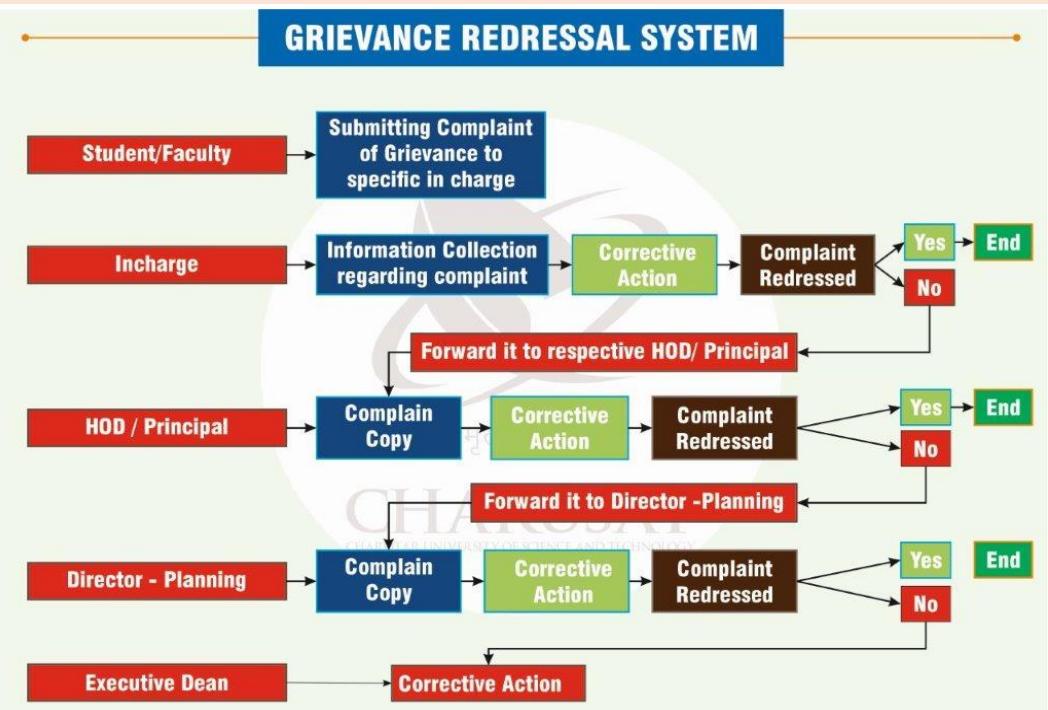
ORGANISING CHART



Student Feedback on Institutional Governance/ Faculty performance

Confidential student feedback collected through ERP System

Grievance Redressal mechanism for Faculty, staff and students



Establishment of Anti Ragging Committee	Yes
Establishment of Online Grievance Redressal Mechanism	Yes
Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University	Yes
Establishment of Internal Complaint Committee (ICC)	Yes
Establishment of Committee for SC/ ST	Yes
Internal Quality Assurance Cell	Yes

6. Programmes

Name of Programmes approved by AICTE (UG)	<ul style="list-style-type: none"> • Computer Engineering • Information Technology • Computer Science & Engineering • Artificial Intelligence & Machine Learning • Mechanical Engineering • Electronics & Communication • Civil Engineering • Electrical Engineering
Name of Programmes approved by AICTE (PG)	<ul style="list-style-type: none"> • Computer Engineering • Thermal Engineering • Advanced Manufacturing Technology • Structural Engineering
Name of Programmes Accredited by AICTE	Nil
Status of Accreditation of the Courses	--
Total number of Courses No. of Courses for which applied for Accreditation Status of Accreditation – Preliminary/ Applied for SAR and results awaited/ Applied for SAR and visits completed/ Results of the visits awaited/ Rejected/ Approved for Courses	--

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

Name	Computer Engineering	Information Technology	Computer Science & Engineering	Artificial Intelligence & Machine Learning	Mechanical Engineering	Electronics & Communication	Civil Engineering	Electrical Engineering
Number of seats	120	120	60	60	60	90	60	30
Duration						4 Years		
Fee	Rs. 1,35,000/- per year				Rs. 1,00,000/- per year			
Placement Facilities	Available	Available	--	--	Available	Available	Available	Available
1)Campus placement in last three years with 2)Minimum salary(in lakhs) 3)Maximum salary and 4)Average salary	1) 301	1)237	1)41		1)44	1)79	1)99	1)38
	2) 3.05	2)3.33	2)1		2)2.73	2)3.4	2)1.53	2)1.87
	3) 8.63	3)11.5	3)2.37		3)5.63	3)5.70	3)2.97	3)4.33
	4) 5.39	4)5.23	4)1.6	-	4)3.6	4)4.33	4)2.27	4)2.67

7. Faculty

Branch wise list Faculty members		
Computer Engineering	Name	Designation
	Dr. Nikita Bhatt	Associate Professor & HOD
	Dr. Ritesh Patel	Associate Professor
	Dr. Ashwin Makwana	Associate Professor
	Arpita Shah	Assistant Professor
	Dhaval Bhoi	Assistant Professor
	Mrugendrashingh Rahevar	Assistant Professor
	Martin Parmar	Assistant Professor
	Vaishali Koria	Assistant Professor
	Minal Shah	Assistant Professor
	Mayuri Popat	Assistant Professor
	Ronak Patel	Assistant Professor
	Trusha Patel	Assistant Professor
	Kruti Dhyani	Assistant Professor
	Sagar Patel	Assistant Professor
	Padmavathi Bindulal	Assistant Professor
	Dipsi Dave	Assistant Professor
	Aniruddh Fataniya	Assistant Professor
	Sneha Padhiar	Assistant Professor
	Aayushi Chaudhari	Assistant Professor
	Deep Kothadiya	Assistant Professor
	Hemang Thakar	Assistant Professor
	Asifiqbal thakor	Assistant Professor
	Deval Patel	Assistant Professor
	Khushboobaben Hirenkumar Kavar	Assistant Professor
	Parmanandkumar patel	Assistant Professor
	Prathi Shah	Assistant Professor
	Rikita Chokshi	Assistant Professor
	Ronak Patel	Assistant Professor
	Sarita Thummar	Assistant Professor
	Muskan Chandrakant Dave	Assistant Professor
	Krunal Jasvantbhai Maheriya	Assistant Professor
Information Technology	Name	Designation
	Dr Parth Shah	Professor & HOD
	Dr. Bimal Patel	Assistant Professor
	Dr. Purvi Prajapati	Assistant Professor
	Dr. Nirav Bhatt	Assistant Professor
	Hemant Yadav	Assistant Professor
	Mrudang Pandya	Assistant Professor
	Ravi Patel	Assistant Professor
	Dr. Priyanka Patel	Assistant Professor
	Sanket Suthar	Assistant Professor
	Jalpesh Vasa	Assistant Professor
	Pritesh Prajapati	Assistant Professor
	Nehal Patel	Assistant Professor
	Amit Parmar	Assistant Professor
	Sandip Patel	Assistant Professor
	Mikin Patel	Assistant Professor
	Nishat Shaikh	Assistant Professor
	Madhav Ajwalia	Assistant Professor
	Dhavalkumar Patel	Assistant Professor
	Nitaben Jadav	Assistant Professor
	Shah Kamleshkumar	Assistant Professor
	Dr. Aneri K Pandya	Assistant Professor
	Pavitra Modi	Assistant Professor

	Prathi Shah	Assistant Professor
	Rajnik Katriya	Assistant Professor
Mechanical Engineering	Name	Designation
	Dr Vijay Chaudhary	Professor & HOD
	Dr Mayur Sutaria	Professor
	Dr Gajanan Patange	Assistant Professor
	Dr Kamlesh Chauhan	Assistant Professor
	Dr Subedar Dattatraya	Assistant Professor
	Dr Kundan Patel	Assistant Professor
	Dr. Sagar Chokshi	Assistant Professor
	Dipal Patel	Assistant Professor
	Maulik Shah	Assistant Professor
	Axat Patel	Assistant Professor
	Vishal Mehta	Assistant Professor
	Zankhan Sonara	Assistant Professor
	Anand Patel	Assistant Professor
	Kawaljitsingh Randhawa	Assistant Professor
	Bhavin Mehta	Assistant Professor
	Vikas Panchal	Assistant Professor
	Satayu Travadi	Assistant Professor
	Sujal Dadhaniya	Assistant Professor
	Punit Patel	Assistant Professor
	Viral Panara	Assistant Professor
	Gaurang Patel	Assistant Professor
	Harmish Bhatt	Assistant Professor
	Rugnesh Patel	Assistant Professor
	Madhav Oza	Assistant Professor
	Akash Vyas	Assistant Professor
	Nipun Gosai	Assistant Professor
	Abhishek Swarnkar	Assistant Professor
	KEVALKUMAR PATEL	
	YOGIN PATEL	
Civil Engineering	Name	Designation
	Dr V R Panchal	Professor & HOD
	Dr Hiteshri Shastri	Associate Professor
	Dr Prabhin Sukumaran	Assistant Professor
	Mitali Vedanti	Assistant Professor
	Jay Bhavsar	Assistant Professor
	Neha Rajput	Assistant Professor
	Dipali Patel	Assistant Professor
	Pinal Patel	Assistant Professor
	Vipul Vyas	Assistant Professor
	Gargi Ray	Assistant Professor
	Megha Desai	Assistant Professor
	Devang Patel	Assistant Professor
	Mehul Katakiya	Assistant Professor
	Kanchal Dave	Assistant Professor
	Gaurav Kapse	Assistant Professor
	Nirpex Patel	Assistant Professor
	Jaydeep Desai	Assistant Professor
	Ankit Wankawala	Assistant Professor
	Saraswati Pathariya	Assistant Professor
	Renu Koshy	Assistant Professor
	Bhargav Shobhana	Assistant Professor
	Prakash Dabhi	Assistant Professor
	DIPESHKUMAR SONAVIYA	Assistant Professor

	Hemangi Gaurangbhai Oza	Assistant Professor
	Name	Designation
Electrical Engineering	Dr Nilay Patel	Associate Professor
	Mihir Bhatt	Assistant Professor
	Maulik Shah	Assistant Professor
	Jigar Sarda	Assistant Professor
	Vibha Parmar	Assistant Professor
	Jivanadhar Joshi	Assistant Professor
	Pratik Mochi	Assistant Professor
	Saiyad Mahammadsoaib	Assistant Professor
	Dharmeshsinh Dabhi	Assistant Professor
	Pratik Panchal	Assistant Professor
	Ankur Patel	Assistant Professor
	Kishan Patel (CSTC)	Assistant Professor
	Mihir Patel	Assistant Professor
	Jignesh Patel	Assistant Professor
	Mihir Mehta	Assistant Professor
	JIL SUTARIA	Assistant Professor
Electronics & Communication	Name	Designatio
	Dr Trushit Upadhyaya	n
	Dr Amit Patel	Professor & Principal
	Dr Jitendra Chaudhari (CSTC)	Assistant Professor
	Dr Arpita Patel	Associate Professor
	Dr Killol Pandya	Associate Professor
	Dr Sagar Patel	Associate Professor
	Dr Dhara P Patel	Associate Professor
	Dr Hardik Modi	Assistant Professor
	Dr Jignesh Patoliya	Assistant Professor
	Dr Dharmendra Chauhan	Assistant Professor
	Dr Upesh Patel	Assistant Professor
	Brijesh Shah	Asso. Prof. & HOD
	Dr Arpan Desai	Assistant Professor
	Hitesh Patel	Assistant Professor
	Manthan Manvadaria	Assistant Professor
	Keyur Mahant	Assistant Professor
	Poonam Thanki	Assistant Professor
	Vishal Tank	Assistant Professor
	Rikin Nayak	Assistant Professor
	Brijesh Kundaliya	Assistant Professor
	Miral Desai	Assistant Professor
	Dhara M Patel	Assistant Professor
	HIRENKUMAR MEWADA	Assistant Professor
	Alpesh Vala	Associate Professor
	Kanwarpreet Kaur	Assistant Professor

Computer Science Engineering	Dr. Amit R T	Professor & HOD
	DHARMENDRASINH RATHOD	Assistant Professor
	MIT DAVE	Assistant Professor
	SRUSHTI GAJJAR	Assistant Professor
	VAIBHAVI PATEL	Assistant Professor
	VIDISHA PRADHAN	Assistant Professor
	Abhishek Patel	Assistant Professor
	Dhara Solanki	Assistant Professor
	Harshul Yagnik	Assistant Professor
	PINAL HANSORA	Assistant Professor
	Avani Khokariya	Assistant Professor
	Bela Shah	Assistant Professor
	Brinda Patel	Assistant Professor
	Hemang Thakar	Assistant Professor
	Spandan Jos	Assistant Professor
AIML	Dr. Nirav Bhatt	Associate Professor
	Gaurav Kumar Gautam	Assistant Professor
	Nishat Shaikh	Assistant Professor

Permanent Faculty: Student Ratio

1:20

i.	Name	Dr. Nikita Maheshkumar Bhatt
ii.	Date of Birth	2-Sep-1985
iii.	Unique id	1-445537938
iv.	Education Qualifications	PhD
v.	Work Experience	16 Years
	• Teaching	16 Years
	• Research	10 Years
	• Industry	0
	• Others	0
vi.	Area of Specialization	Machine Learning, Deep Learning, Meta Learning, Active Meta Learning
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Data Structures and Algorithms, Design and Analysis of Algorithms, Theory of Computation, Compiler Construction, Operating System, Machine Learning
viii.	Research guidance	28
	• No. of papers published in National/ International Journals/ Conferences	29
	• Master	20
	• Ph.D.	0
ix.	Projects Carried out	0
x.	Patents	0
xi.	Technology Transfer	0
xii.	Research Publications	29
xiii.	No. of Books published with details	2 (The Multi-Criteria Ranking Approach to Classification Algorithms, Lap Lambert Academic Publishing, 2015., Ranking of Classifiers Using Active Meta Learning, Lap Lambert Academic Publishing, 2013.)

i. Name	Dr. Ritesh Pravinbhai Patel
ii. Date of Birth	27-Oct-1981
iii. Unique id	1-445396038
iv. Education Qualifications	Ph.D.
v. Work Experience	19 Years 6 Months
• Teaching	19 Years 6 Months
• Research	13 Years
• Industry	0
• Others	0
vi. Area of Specialization	Cloud Computing, Computer Network, IoT
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	C, C++, Computer Organization, Data Communication Netowrk, Advanced Computer network, Parallel Computing, Operating System, Internet of Things
viii. Research guidance	38
• No. of papers published in National/ International Journals/ Conferences	26
• Master	32
• Ph.D.	6
ix. Projects Carried out	8
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	26
xiii. No. of Books published with details	0

i.	Name	Dr. Ashwinkumar Bhanuprasad Makwana
ii.	Date of Birth	3-Aug-1980
iii.	Unique id	1-445396105
iv.	Education Qualifications	PhD
v.	Work Experience	19 Years 6 Months
	• Teaching	19 Years 3 Months
	• Research	10 Years
	• Industry	3 Months
	• Others	0
vi.	Area of Specialization	AI, Machine learning, NLP, Software Engineering, Project Management
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Software Engineering, AI, Machine Learning, Project Management, SOC
viii.	Research guidance	34
	• No. of papers published in National/ International Journals/ Conferences	21
	• Master	30
	• Ph.D.	4
ix.	Projects Carried out	6
x.	Patents	0
xi.	Technology Transfer	0
xii.	Research Publications	21
xiii.	No. of Books published with details	0

i. Name	Arpita Jigneshkumar Shah
ii. Date of Birth	10-Aug-1980
iii. Unique id	1-445261788
iv. Education Qualifications	M.E CE
v. Work Experience	20 Years
• Teaching	20 Years
• Research	6 Years
• Industry	0
• Others	0
vi. Area of Specialization	Cloud Computing, Database, Distributed Computing
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Cloud Computing, Client Server Technology, Database Management System, Advanced Database Management System; Operating System, Advanced Operating System, Advanced Computing, Distributed System, Distributed Database Applications and Systems, Computer Architecture and Peripherals, Computer Graphics, Advanced Computer Architecture and Peripherals, Programming paradigm, Computer Practice (C, C++), High Performance Computing
viii. Research guidance	32
• No. of papers published in National/ International Journals/ Conferences	21
• Master	27
• Ph.D.	0
ix. Projects Carried out	3
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	21
xiii. No. of Books published with details	0

i. Name	Dhavalkumar Ambalal Bhoi
ii. Date of Birth	19-Nov-1982
iii. Unique id	1-445396031
iv. Education Qualifications	M.E. CE
v. Work Experience	20 Years
• Teaching	20 Years
• AResearch	8 Years
• Industry	0
• Others	0
vi. Area of Specialization	Data Mining, Machine Learning, Natural Language Processing
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Data Mining & Business Intelligence, Creativity Problem Solving & Innovation, Theory of Computation, Data Structure & Algorithms, Design & Analysis of Algorithms, Design of Language Processors, Artificial Intelligence, Programming Paradigm, Programming in Python
viii. Research guidance	24
• No. of papers published in National/ International Journals/ Conferences	25
• Master	18
• Ph.D.	0
ix. Projects Carried out	2
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	25
xiii. No. of Books published with details	0

i. Name	Mrugendrasinh Laxmansinh Rahevar
ii. Date of Birth	28-Feb-1983
iii. Unique id	1-445524353
iv. Education Qualifications	M.E.C.E
v. Work Experience	16 Years
• Teaching	16 Years
• Research	10 Years
• Industry	0
• Others	0
vi. Area of Specialization	Machine Learning, Web Development, Blockchain
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Machine Learning, Java, Advanced Web Technology, Python Programming, Service Oriented Computing, Blockchain
viii. Research guidance	16
• No. of papers published in National/ International Journals/ Conferences	25
• Master	16
• Ph.D.	0
ix. Projects Carried out	3
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	25
xiii. No. of Books published with details	0

i. Name	Martin Kantilal Parmar
ii. Date of Birth	4-Mar-1982
iii. Unique id	1-449315048
iv. Education Qualifications	M.E. CSE
v. Work Experience	15 Years 8 Months
• Teaching	15 Years 8 Months
• Research	6 Years
• Industry	0
• Others	0
vi. Area of Specialization	Information Security, Blockchain Technology, Web Development
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Information and Network Security, Blockchain Technology, Adavanced Web Technology, Java Programming
viii. Research guidance	8
• No. of papers published in National/ International Journals/ Conferences	12
• Master	2
• Ph.D.	0
ix. Projects Carried out	3
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	12
xiii. No. of Books published with details	0

i. Name	Vaishali Hardik Koria
ii. Date of Birth	23-Sep-1986
iii. Unique id	1-449315192
iv. Education Qualifications	M.E CSE
v. Work Experience	12 Years 9 Months
• Teaching	12 Years 9 Months
• Research	4 Years
• Industry	0
• Others	0
vi. Area of Specialization	Data structures and algorithms, Internet of things
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Data Structures and Algorithms, Design and Analysis of Algorithms, Internet of things
viii. Research guidance	0
• No. of papers published in National/ International Journals/ Conferences	2
• Master	0
• Ph.D.	0
ix. Projects Carried out	0
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	2
xiii. No. of Books published with details	0

i. Name	Minal Nirav Shah
ii. Date of Birth	01-10-1986
iii. Unique id	1-1413146918
iv. Education Qualifications	B.E. Computer Engineering (2 nd Class) M.Tech.(Web Technologies) (1 st Class) P.hD (Computer Engineering) Pursuing*
v. Work Experience	
• Teaching	7.11 Years
• Research	-
• Industry	2 Years
• Others	-
vi. Area of Specialization	Web Technologies, Java, Deep Learning
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	UG: <ul style="list-style-type: none">• Programming in C, C++, Java, Python, JSP, Servlet, PHP• Web Programming PG: <ul style="list-style-type: none">• Service Oriented Architecture
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	03
• Master	01
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	Java, Python
xii. Research Publications	03
xiii. No. of Books published with details	-

i. Name	Mayuri Jamanadas Popat
ii. Date of Birth	24-May-1988
iii. Unique id	1-1413146754
iv. Education Qualifications	M.Tech
v. Work Experience	11 Years 8 Months
• Teaching	11 Years 8 Months
• Research	4
• Industry	0
• Others	0
vi. Area of Specialization	Machine Learning, Deep Learning, Image Segmentation
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Programming in C / C++, Java, Python, Web Technology,
viii. Research guidance	0
• No. of papers published in National/ International Journals/ Conferences	4
• Master	0
• Ph.D.	0
ix. Projects Carried out	0
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	4
xiii. No. of Books published with details	0

i. Name	Ronakkumar Natavarlal Patel
ii. Date of Birth	12-Oct-1988
iii. Unique id	Not Applicable
iv. Education Qualifications	M.Tech
v. Work Experience	10
• Teaching	10
• Research	5
• Industry	0
• Others	0
vi. Area of Specialization	Machine Learning, Deep Learning, Recommender System
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Machine Learning, Operating System, Computer Organization, Digital Electronics, C, C++
viii. Research guidance	4
• No. of papers published in National/ International Journals/ Conferences	7
• Master	2
• Ph.D.	0
ix. Projects Carried out	1
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	7
xiii. No. of Books published with details	0

i. Name	Trusha Ronakkumar Patel
ii. Date of Birth	18-Aug-1988
iii. Unique id	1-2187731809
iv. Education Qualifications	M.E. CE
v. Work Experience	11 Years
• Teaching	11 Years
• Research	4 Years
• Industry	0
• Others	0
vi. Area of Specialization	Image Processing, Machine Learning, VBA
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Theory of Computation, Compiler Construction, Image Processing, Data Structure, Python Programming, C Programming, C++ Programming, UML design, Microprocessor & Assembly Programming, Operating System, VBA
viii. Research guidance	0
• No. of papers published in National/ International Journals/ Conferences	4
• Master	0
• Ph.D.	0
ix. Projects Carried out	1
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	4
xiii. No. of Books published with details	0

i. Name	Kruti Jayeshbhai Dhyani
ii. Date of Birth	14/10/1987
iii. Unique id	1-2187732299
iv. Education Qualifications	MTech [CE], PhD (Pursuing)
v. Work Experience	9+ years
• Teaching	9.2 Years
• Research	9 months
• Industry	-
• Others	-
vi. Area of Specialization	Programming Language, Networking, Machine Learning
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	At Under graduate level: CCP [C language], Object Oriented programming languages C++ and JAVA, Data Communication & Networking, Advance Computer network, Data Structure & Algorithm, Object Oriented Analysis & Design, ICT Resources, Art of Programming
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	1
• Master	-
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	Programming language like C, C++, JAVA, Cisco packet tracer, Wireshark, Networking, Data Mining, Machine learning.
xii. Research Publications	1
xiii. No. of Books published with details	-

i. Name	Sagarkumar Jagdishbhai Patel
ii. Date of Birth	10/01/1992
iii. Unique id	1-2746161433
iv. Education Qualifications	M.Tech (CE), Ph.D. (Pursuing)
v. Work Experience	17/08/2015 to Present
• Teaching	4.10 Year
• Research	0
• Industry	0
• Others	0
vi. Area of Specialization	Web Technology, Information Retrieval
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Software Engineering, Web Technology, Advance Web Technology, ICT Workshop, C, C++, Computer Networking.
viii. Research guidance	-
• No. of papers published in National/ International Journals/ Conferences	-
• Master	-
• Ph.D.	-
ix. Projects Carried out	2
x. Patents	-
xi. Technology Transfer	PHP, C, C++, HTML, CSS, JQ, JSP, .Net
xii. Research Publications	-
xiii. No. of Books published with details	-

i. Name	Padmavathi Bindulal
ii. Date of Birth	27-08-1987
iii. Unique id	1-3355388998
iv. Education Qualifications	M.Tech(CSE),PhD(pursuing)
v. Work Experience	10 years
• Teaching	10 years
• Research	-
• Industry	-
• Others	-
vi. Area of Specialization	Computer Science Engineering
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Operating Systems, Internet of Things, Object Oriented programming through C++,Java Programming, C Programming, Creativity, Innovation and Problem Solving
viii. Research guidance	-
• No. of papers published in National/ International Journals/ Conferences	1
• Master	-
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	Java
xii. Research Publications	2
xiii. No. of Books published with details	-

i. Name	Dipsi Dave
ii. Date of Birth	13/09/1992
iii. Unique id	1-3572599078
iv. Education Qualifications	PhD (Pursuing), M. Tech. (CE), BE (CE)
v. Work Experience	4 years
• Teaching	4 years
• Research	-
• Industry	-
• Others	-
vi. Area of Specialization	Machine Learning
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	C, C++, SE, DAA, AI, JAVA
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	1
• Master	-
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	Machine Learning
xii. Research Publications	-
xiii. No. of Books published with details	-

i. Name	Aniruddhkumar G. Fataniya
ii. Date of Birth	28/06/89
iii. Unique id	1-3572599086
iv. Education Qualifications	M.E.(CSE), Phd Pursuing
v. Work Experience	10 years
• Teaching	10 years
• Research	0
• Industry	0
• Others	0
vi. Area of Specialization	Computer Engineering
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Data Structures and Algorithms, Design and Analysis of Algorithms, Object Oriented Programming with C++, Cryptography and Network Security, Cloud Computing, Digital Electronics
viii. Research guidance	-
• No. of papers published in National/ International Journals/ Conferences	1
• Master	-
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	AWS, Android Development, C++, C
xii. Research Publications	3
xiii. No. of Books published with details	-

i. Name	Sneha Ashvinkumar Padhiar
ii. Date of Birth	14-May-1993
iii. Unique id	1-3572704132
iv. Education Qualifications	M.E
v. Work Experience	6 Years 8 Months
• Teaching	6 Years 8 Months
• Research	5 Years
• Industry	0
• Others	0
vi. Area of Specialization	Network security, software engineering
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Software engineering Information and network security Software project management and quality assurance Data structure and algorithms Mobile application and development
viii. Research guidance	0
• No. of papers published in National/ International Journals/ Conferences	13
• Master	0
• Ph.D.	0
ix. Projects Carried out	0
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	13
xiii. No. of Books published with details	0

i. Name	Aayushi Pushpakant Chaudhari
ii. Date of Birth	5-Jun-1994
iii. Unique id	1-7316949887
iv. Education Qualifications	M.E. CE
v. Work Experience	7 Years
• Teaching	6 Years
• Research	4 Years
• Industry	1 Year
• Others	0
vi. Area of Specialization	Machine learning, Deep Learning, Computer Vision
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	C, C++, Python, Big Data Analytics, Database Management System, Information and Communication Technology
viii. Research guidance	6
• No. of papers published in National/ International Journals/ Conferences	8
• Master	0
• Ph.D.	0
ix. Projects Carried out	1
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	8
xiii. No. of Books published with details	0

i. Name	Deepkumar Rameshbhai Kothadiya
ii. Date of Birth	31-Dec-1992
iii. Unique id	1-7316949976
iv. Education Qualifications	M.E
v. Work Experience	6 Years
• Teaching	6 Years
• Research	4 Years
• Industry	0
• Others	0
vi. Area of Specialization	Computer Vision, NLP, IoT, Deep Lerning, Cloud Computing
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	BDA, Python, ML, INS, MCAD, C, C++
viii. Research guidance	7
• No. of papers published in National/ International Journals/ Conferences	9
• Master	0
• Ph.D.	0
ix. Projects Carried out	1
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	10
xiii. No. of Books published with details	0

i. Name	Asifiqbali Yavarmiya Thakor
ii. Date of Birth	8-July-1980
iii. Unique id	1-43403726398
iv. Education Qualifications	M.E.
v. Work Experience	19 Years
• Teaching	18 Years
• Research	0
• Industry	1 Year
• Others	0
vi. Area of Specialization	Embedded system, Digital Electronics
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Digital Electronics, Microprocessor, Microcontroller, Embedded Systems
viii. Research guidance	0
• No. of papers published in National/ International Journals/ Conferences	3
• Master	0
• Ph.D.	0
ix. Projects Carried out	0
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	3
xiii. No. of Books published with details	0

i. Name	Khushboobahen Hirenkumar Kavar
ii. Date of Birth	30/09/1990
iii. Unique id	1-2746161383
iv. Education Qualifications	M.Tech.(CE), PhD (pursuing)
v. Work Experience	
• Teaching	6 Years
• Research	3.4 Years
• Industry	-
• Others	-
vi. Area of Specialization	Machine Learning
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Computer Concepts and Programming, Object Oriented programming with C++, Mobile Application Development, Internals of Operating System, Data Communication & Networking, Artificial Intelligence
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	-
• Master	-
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	Android, Deep Learning
xii. Research Publications	-
xiii. No. of Books published with details	-

i. Name	Parmanand S. Patel
ii. Date of Birth	4-Jan-1994
iii. Unique id	1-43403726365
iv. Education Qualifications	M.E
v. Work Experience	2 Years
• Teaching	1 Year
• Research	0
• Industry	1 Year
• Others	0
vi. Area of Specialization	Computer Vision and Image Processing, Deep Learning, IoT, Machine Learning
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	C, C++, BDA, ICT
viii. Research guidance	0
• No. of papers published in National/ International Journals/ Conferences	0
• Master	0
• Ph.D.	0
ix. Projects Carried out	0
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	0
xiii. No. of Books published with details	0

i. Name	Rikita Jitendrakumar Chokshi
ii. Date of Birth	11-Feb-1993
iii. Unique id	1-10993565368
iv. Education Qualifications	M.Tech
v. Work Experience	7 Years
• Teaching	7 Years
• Research	1 Year
• Industry	0
• Others	0
vi. Area of Specialization	Image Processing, Machine Learning, Deep Learning
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Image Processing, Operating System, DBMS, DAA
viii. Research guidance	0
• No. of papers published in National/ International Journals/ Conferences	2
• Master	0
• Ph.D.	0
ix. Projects Carried out	0
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	2
xiii. No. of Books published with details	0

i. Name	Ronakkumar Rajnikant Patel
ii. Date of Birth	28-Feb-1986
iii. Unique id	1-10993565361
iv. Education Qualifications	M.E. CSE
v. Work Experience	12 Years
• Teaching	10 Years
• Research	3 Years
• Industry	2 Years
• Others	0
vi. Area of Specialization	Deep Learning, Cloud Computing
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	JAVA, Advanced Java Technology, Python, Information Network Security, AI, DBMS, DSA , C , C++
viii. Research guidance	4
• No. of papers published in National/ International Journals/ Conferences	10
• Master	4
• Ph.D.	0
ix. Projects Carried out	1
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	10
xiii. No. of Books published with details	0

i. Name	Sarita Sandipkumar Thummar
ii. Date of Birth	9-Dec-1982
iii. Unique id	1-11123831901
iv. Education Qualifications	M.E
v. Work Experience	15 Years
• Teaching	12 Years
• Research	1 Years
• Industry	3 Years
• Others	0
vi. Area of Specialization	Machine Learning, Deep Learning, Computer Vision,
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Data Structures and Algorithms, Design and Analysis of Algorithms, Theory of Computation, Compiler Construction, Operating System, Machine Learning, Database Management System, ERP
viii. Research guidance	2
• No. of papers published in National/ International Journals/ Conferences	6
• Master	2
• Ph.D.	0
ix. Projects Carried out	0
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	6
xiii. No. of Books published with details	0

i. Name	Muskan Chandrakant Dave
ii. Date of Birth	13-Nov-1998
iii. Unique id	Not Applicable
iv. Education Qualifications	M.Tech
v. Work Experience	1 Year
• Teaching	1 Year
• Research	1 Year
• Industry	0
• Others	0
vi. Area of Specialization	Deep Learning
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Data Structure, Distributed system ,IOT
viii. Research guidance	0
• No. of papers published in National/ International Journals/ Conferences	0
• Master	0
• Ph.D.	0
ix. Projects Carried out	0
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	0
xiii. No. of Books published with details	0

Name	Krunal Jasvantbhai Maheriya
xiv. Date of Birth	4-Sept-1999
xv. Unique id	Not Applicable
xvi. Education Qualifications	M.Tech
xvii. Work Experience	1 Year
• Teaching	1 Year
• Research	1 Year
• Industry	0
• Others	0
xviii. Area of Specialization	Machine Learning, Deep Learning
xix. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Digital Electronics, Machine Learning, Python, ICT
xx. Research guidance	0
• No. of papers published in National/ International Journals/ Conferences	0
• Master	0
• Ph.D.	0
xxi. Projects Carried out	0
xxii. Patents	0
xxiii. Technology Transfer	0
xxiv. Research Publications	0
xxv. No. of Books published with details	0

i.	Name	Dr. Amit R Thakkar
ii.	Date of Birth	09/03/1981
iii.	Unique id	1-442445961
iv.	Education Qualifications	Ph.D
v.	Work Experience	
	• Teaching	21 Yrs
	• Research	15 Yrs
	• Industry	-
	• Others	-
vi.	Area of Specialization	Data Mining, Machine Learning
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Machine Learning, Data Structures & Algorithms Design And Analysis of Algorithms
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	50 +
	• Master	25 +
	• Ph.D.	7
ix.	Projects Carried out	03
x.	Patents	
xi.	Technology Transfer	
xii.	Research Publications	50+
xiii.	No. of Books published with details	02

i. Name	DHARMENDRASINH RATHOD
ii. Date of Birth	27/05/1994
iii. Unique id	1-43403939565
iv. Education Qualifications	M.TECH, PhD(Pursuing)
v. Work Experience	5
• Teaching	5
• Research	0
• Industry	0
• Others	0
vi. Area of Specialization	Machine Learning, Deep Learning, Mobile Application Development
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Artificial Intelligence Mobile Application Development Machine Learning Database Management System
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	NA
• Master	NA
• Ph.D.	NA
ix. Projects Carried out	0
x. Patents	0
xi. Technology Transfer	NA
xii. Research Publications	7
xiii. No. of Books published with details	0

i. Name	Srushti Rakeshkumar Gajjar
ii. Date of Birth	16th September 1997
iii. Unique id	1-10999293691
iv. Education Qualifications	M. Tech.
v. Work Experience	More than 2 Years (2.5)
• Teaching	2.5
• Research	0
• Industry	0
• Others	0
vi. Area of Specialization	Computer Engineering
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Computer Concepts and Programming, Object Oriented Programming using C++, Python Programming, Full Stack Development, Java Programming
viii. Research guidance	0
• No. of papers published in National/ International Journals/ Conferences	1
• Master	1
• Ph.D.	0
ix. Projects Carried out	0
x. Patents	0
xi. Technology Transfer	None
xii. Research Publications	None
xiii. No. of Books published with details	None

i. Name	Vaibhavi Patel
i. Date of Birth	22-10-1994
ii. Unique id	1-10999293710
iii. Education Qualifications	Mtech
iv. Work Experience	3years
• Teaching	3
• Research	0
• Industry	0
• Others	0
v. Area of Specialization	Computer Engineering
vi. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	DBMS Programming C AI Software Engineering
vii. Research guidance	0
• No. of papers published in National/ International Journals/ Conferences	0
• Master	1
• Ph.D.	0
viii. Projects Carried out	0
ix. Patents	0
x. Technology Transfer	None
xi. Research Publications	None
xii. No. of Books published with details	None

i.	Name	Pradhan Vidisha Mukundbhai
ii.	Date of Birth	04/05/1992
iii.	Unique id	1-43403726572
iv.	Education Qualifications	M.E
v.	Work Experience	7
	• Teaching	7
	• Research	0
	• Industry	0
	• Others	0
vi.	Area of Specialization	Data Mining
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Data Structure,Java,DAA,DBMS,OOAD using UML,.Net ,Software engineering
viii.	Research guidance	0
	• No. of papers published in National/ International Journals/ Conferences	3
	• Master	1
	• Ph.D.	0
ix.	Projects Carried out	1
x.	Patents	0
xi.	Technology Transfer	none
xii.	Research Publications	1
xiii.	No. of Books published with details	0

i.	Name	Abhishek Patel
ii.	Date of Birth	15-11-1986
iii.	Unique id	1-43403939864
iv.	Education Qualifications	M.E.
v.	Work Experience	10 years
	• Teaching	10
	• Research	0
	• Industry	0
	• Others	0
vi.	Area of Specialization	Machine Learning
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	DBMS Programming C AI Computer Networks
viii.	Research guidance	0
	• No. of papers published in National/ International Journals/ Conferences	3
	• Master	1
	• Ph.D.	0
ix.	Projects Carried out	0
x.	Patents	0
xi.	Technology Transfer	None
xii.	Research Publications	None
xiii.	No. of Books published with details	None

i.	Name	Dhara Dineshkumar Solanki
ii.	Date of Birth	11/09/1989
iii.	Unique id	Not Applicable
iv.	Education Qualifications	M.Tech
v.	Work Experience	5
	• Teaching	2
	• Research	0
	• Industry	2.5
	• Others	0.6
vi.	Area of Specialization	Web Technology
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Python ,Java,Software Engineering,Digital Fundamentals,Cloud Computing,IOT
viii.	Research guidance	0
	• No. of papers published in National/ International Journals/ Conferences	0
	• Master	1
	• Ph.D.	0
ix.	Projects Carried out	0
x.	Patents	0
xi.	Technology Transfer	none
xii.	Research Publications	0
xiii.	No. of Books published with details	0

i.	Name	Harshul Yagneshbhai Yagnik
ii.	Date of Birth	20-9-87
iii.	Unique id	1-43404100331
iv.	Education Qualifications	M.E
v.	Work Experience	13 Years
	• Teaching	13
	• Research	0
	• Industry	0
	• Others	0
vi.	Area of Specialization	Computer Vision and Internet of things
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Image processing Computer Vision,microprocessor and computer organization,digital electronics ,analog electronics,information theory and coding,digital signal processing,mobile computing and wireless communication
viii.	Research guidance	0
	• No. of papers published in National/ International Journals/ Conferences	1
	• Master	2
	• Ph.D.	0
ix.	Projects Carried out	0
x.	Patents	0
xi.	Technology Transfer	None
xii.	Research Publications	3
xiii.	No. of Books published with details	0

i. Name	Mr. Pinal Mukeshbhai Hansora
ii. Date of Birth	24.02.1989
iii. Unique id	Not Applicable
iv. Education Qualifications	M.E
v. Work Experience	11.2 yrs
• Teaching	11.2 yrs
• Research	
• Industry	
• Others	
vi. Area of Specialization	Computer Science & Engineering
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	UG- Computer Programming, Web Programming, Artificial Intelligence, Data Structures, Machine Learning, Information Security
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	4
• Master	1
• Ph.D.	0
ix. Projects Carried out	
x. Patents	
xi. Technology Transfer	
xii. Research Publications	
xiii. No. of Books published with details	2 (Technical Publications - Pune) BIG DATA ANALYTICS DATA COMPRESSION

i.	Name	Avani Vijaybhai Khokhariya
ii.	Date of Birth	03/05/2000
iii.	Unique id	Not Applicable
iv.	Education Qualifications	M.Tech
v.	Work Experience	0.5
	• Teaching	0.5
	• Research	0
	• Industry	0
	• Others	0
vi.	Area of Specialization	Computer Engineering
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	DSA,DAA
viii.	Research guidance	0
	• No. of papers published in National/ International Journals/ Conferences	0
	• Master	0
	• Ph.D.	0
ix.	Projects Carried out	0
x.	Patents	0
xi.	Technology Transfer	none
xii.	Research Publications	0
xiii.	No. of Books published with details	0

i.	Name	Bela Anal Shah
ii.	Date of Birth	07/03/1987
iii.	Unique id	1-43403940059
iv.	Education Qualifications	M.Tech
v.	Work Experience	10
	• Teaching	10
	• Research	0
	• Industry	0
	• Others	0
vi.	Area of Specialization	Networking and Communication
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Operating System,Cryptography and Network security,Software Engineering,Computer networks,
viii.	Research guidance	0
	• No. of papers published in National/ International Journals/ Conferences	3
	• Master	1
	• Ph.D.	0
ix.	Projects Carried out	0
x.	Patents	0
xi.	Technology Transfer	none
xii.	Research Publications	0
xiii.	No. of Books published with details	0

i. Name	Brinda Pankajbhai Patel
xiv. Date of Birth	01/02/1993
xv. Unique id	1-43403940047
xvi. Education Qualifications	M.E
xvii. Work Experience	6.5
• Teaching	3.7
• Research	0
• Industry	2.5
• Others	0
xviii. Area of Specialization	Computer Engineering
xix. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Java, Data structure, Python, IOT, Image Processing, Computer Networks, DAA
xx. Research guidance	0
• No. of papers published in National/ International Journals/ Conferences	2
• Master	1
• Ph.D.	0
xxi. Projects Carried out	0
xxii. Patents	0
xxiii. Technology Transfer	none
xxiv. Research Publications	0
xxv. No. of Books published with details	0

i.	Name	Hemang Anilkumar Thakar
ii.	Date of Birth	22/10/1989
iii.	Unique id	1-10999293704
iv.	Education Qualifications	M.Tech
v.	Work Experience	10
	• Teaching	10
	• Research	0
	• Industry	0
	• Others	0
vi.	Area of Specialization	Computer Engineering
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Data structure,DAA,TOC,compiler Design,Operating system,Cryptgraphy and network security
viii.	Research guidance	2
	• No. of papers published in National/ International Journals/ Conferences	3
	• Master	0
	• Ph.D.	0
ix.	Projects Carried out	1
x.	Patents	0
xi.	Technology Transfer	none
xii.	Research Publications	0
xiii.	No. of Books published with details	0

i.	Name	Spandan Joshi
ii.	Date of Birth	09/01/2000
iii.	Unique id	Not Applicable
iv.	Education Qualifications	M. E. in Information Technology
v.	Work Experience	
	• Teaching	1 year
	• Research	2 year
	• Industry	1 year
	• Others	0
vi.	Area of Specialization	Data Science, Image Processing, Machine Learning
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Advance Computing
viii.	Research guidance	0
	• No. of papers published in National/ International Journals/ Conferences	0
	• Master	0
	• Ph.D.	0
ix.	Projects Carried out	1
x.	Patents	0
xi.	Technology Transfer	None
xii.	Research Publications	2
xiii.	No. of Books published with details	None

Profile of Faculty

i. Name	Parth Dilipkumar Shah
ii. Date of Birth	04 th March 2023
iii. Unique id	1-445395864
iv. Education Qualifications	Ph. D.
v. Work Experience	19 Years
• Teaching	19 Years
• Research	9 years
• Industry	2 Years
• Others	
vi. Area of Specialization	Information & Network Security, Cloud Computing
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Java Programming, Data Structure and Algorithm, Operating System, Distributed Computing, Cloud Computing, Cryptography and network Security, Full Stack Application Development, DevOps, Computer Architecture and organization,
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	44
• Master	30
• Ph.D.	7
ix. Projects Carried out	2
x. Patents	1
xi. Technology Transfer	
xii. Research Publications	20
xiii. No. of Books published with details	1

Profile of Faculty

i. Name	Dr. Bimal H Patel
ii. Date of Birth	27/12/1982
iii. Unique id	Not Applicable
iv. Education Qualifications	PhD
v. Work Experience	17 Years & 5 Months(Total)
• Teaching	17 Years & 5 Months
• Research	6 Years
• Industry	
• Others	
vi. Area of Specialization	Internet of Things, DDOS Attack, GreenIoT, Smart Cities Applications
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Database Management System, Software Engineering, Data Communication Network, Internet of Things, Computer Network, Wireless Communication and Mobile Computing
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	5(With Master Students)
• Master	4
• Ph.D.	
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	19 (Journal + Conference Proceedings)
xiii. No. of Books published with details	-

Profile of Faculty

i. Name	Dr. Purvi Prajapati
ii. Date of Birth	19 th June 1983
iii. Unique id	Not Applicable
iv. Education Qualifications	Ph.D. Computer Engineering
v. Work Experience	
• Teaching	16 years
• Research	6 years
• Industry	Nil
• Others	Nil
vi. Area of Specialization	Multi-label Classification (Machine Learning Domain)
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Data Structures and Algorithms Design and Analysis of Algorithms Language Processors Compiler Design Computer Networking Programming Languages : C, C++, Java
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	5
• Master	2
• Ph.D.	0
ix. Projects Carried out	Nil
x. Patents	Nil
xi. Technology Transfer	Nil
xii. Research Publications	20
xiii. No. of Books published with details	1 Improved Predictive Clustering Tree Algorithm with Post Pruning Hierarchical Multi-Label Classification, ISBN: 978-3-659-24272-4, LAMBERT Academic Publishing, 9th Dec 2014.

Profile of Faculty

i. Name	Hemant N Yadav
ii. Date of Birth	11/12/1984
iii. Unique id	1-443241765
iv. Education Qualifications	B.E(IT), M.E.(IT), Phd(Perusing)
v. Work Experience	15
• Teaching	15
• Research	
• Industry	
• Others	
vi. Area of Specialization	Web Technologies, Artificial Intelligence, Machine Learning, Data Science
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Machine learning, Data Science, Data analysis and visualization, python programming, web technologies, programming
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	7
• Master	5
• Ph.D.	
ix. Projects Carried out	5
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	7
xiii. No. of Books published with details	0

i. Name	Mrudang Daxeshkumar Pandya
ii. Date of Birth	04-11-1988
iii. Unique id	1-1413183978
iv. Education Qualifications	*PhD, M.tech (IT)
v. Work Experience	
• Teaching	08
• Research	5.5
• Industry	-
• Others	-
vi. Area of Specialization	Artificial Intelligence, Machine Learning, Deep Learning.
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate Level: C Programming, Java Programming, Software Engineering , Python Programming, Machine Learning, Data Science, Artificial Intelligence Post Graduate Level: Computational Intelligent
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	02
• Master	02
• Ph.D.	
ix. Projects Carried out	03
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	11
xiii. No. of Books published with details	-

Profile of Faculty

i. Name	Ravikumar Vijaybhai Patel
ii. Date of Birth	05/10/1986
iii. Unique id	1-1413184136
iv. Education Qualifications	B.E.(IT), M.Tech(CE), Phd Pursuing
v. Work Experience	12 Yrs
• Teaching	10 Yrs
• Research	-
• Industry	2 Yrs
• Others	-
vi. Area of Specialization	Application Development, Cloud Computing
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Web Technologies Fullstack Development Cloud Computing Advanced Computing C,C++,Java,OS, Python Programming
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	4
• Master	2
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	2
xiii. No. of Books published with details	-

Profile of Faculty

i. Name	Dr. Priyanka Patel
ii. Date of Birth	15 th April 1984
iii. Unique id	Not Applicable
iv. Education Qualifications	Ph.D. Computer Engineering
v. Work Experience	
• Teaching	13 Years
• Research	06 Years
• Industry	01 Year
• Others	03 Years
vi. Area of Specialization	Anomaly detection and classification (Machine Learning Domain)
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Programming languages: C, C++, Python, Prolong Artificial Intelligence Web Technology Object Oriented Programming Cloud Computing
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	02
• Master	02
• Ph.D.	0
ix. Projects Carried out	Nil
x. Patents	Nil
xi. Technology Transfer	Nil
xii. Research Publications	20 (Journals + Conference Proceeding+ Book Chapter)
xiii. No. of Books published with details	Nil

Profile of Faculty

i. Name	SANKETKUMAR BHARATBHAI SUTHAR
ii. Date of Birth	17/11/1988
iii. Unique id	1-2187996810
iv. Education Qualifications	B.Tech, M.Tech, Ph.D. pursuing
v. Work Experience	
• Teaching	10.3 years
• Research	NA
• Industry	NA
• Others	NA
vi. Area of Specialization	Computer Vision, Cloud computing, Machine learning
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Computer Vision(UG) Cloud computing(UG) Software Engineering(UG) Data Structure and Algorithm(UG) Design & Analysis of Algorithm (UG) Software Group Project (UG) Software Project Major (UG)
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	NA
• Master	01
• Ph.D.	NA
ix. Projects Carried out	01
x. Patents	NA
xi. Technology Transfer	NA
xii. Research Publications	13
xiii. No. of Books published with details	NA

Profile of Faculty

i.	Name	Vasa Jalpesh Harkishanbhai
ii.	Date of Birth	25-March-1987
iii.	Unique id	Not Applicable
iv.	Education Qualifications	M.Tech.(IT)
v.	Work Experience	12 years and 03 months
	• Teaching	12 years
	• Research	6 years
	• Industry	-
	• Others	-
vi.	Area of Specialization	Data Privacy, Data Mining, Machine Learning, Deep Learning
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Java Programming, Web Technologies, Full Stack Web Development, Machine Learning, Python Programming
viii.	Research guidance	-
	• No. of papers published in National/ International Journals/ Conferences	2 (With Masters students)
	• Master	3
	• Ph.D.	-
ix.	Projects Carried out	03
x.	Patents	-
xi.	Technology Transfer	-
xii.	Research Publications	15(Journal + Conference Proceedings)
xiii.	No. of Books published with details	-

Profile of Faculty

i. Name	Mr. Priteshkumar Natavarlal Prajapati
ii. Date of Birth	07/01/1991
iii. Unique id	1-2187907665
iv. Education Qualifications	M. Tech IT (Gold Medal), PhD Pursuing
v. Work Experience	
• Teaching	10 Years+
• Research	-
• Industry	2 Months+
• Others	-
vi. Area of Specialization	Cryptography & Network Security, Cyber Security, Ethical Hacking, Cloud Computing,
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	<ul style="list-style-type: none"> • Cyber Security & Law (PG) • Information & Network Security (PG) • Applied Cryptography (PG) • Cloud Computing (UG) • Advanced Computing (UG) • Cryptography & Network Security (UG) • Cyber Security (UG) • Wireless Communication Mobile Computing (UG) • Data Compression (UG) • Operating System (UG) • Software Group Project (UG) • Software Project Major (UG) • Fundamentals Of Computer Programming (UG) • ICT Workshop (UG)
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	14
• Master	02
• Ph.D.	NA
ix. Projects Carried out	03
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	Journal: 05 Conference: 09
xiii. No. of Books published with details	02

i.	Name	Nehal S. Patel
ii.	Date of Birth	23 rd October 1990
iii.	Unique id	1-2187940630
iv.	Education Qualifications	M.Tech(IT), Ph D pursing
v.	Work Experience	
	• Teaching	6
	• Research	2
	• Industry	0
	• Others	0
vi.	Area of Specialization	Computer Networking, Cloud Computing
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	C,C++, Web Technology, Data communication & Networking and Computer Networks
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	11
	• Master	2
	• Ph.D.	0
ix.	Projects Carried out	0
x.	Patents	0
xi.	Technology Transfer	0
xii.	Research Publications	12
xiii.	No. of Books published with details	0

i. Name	Mr. Sandipkumar Patel
ii. Date of Birth	20-01-1991
iii. Unique id	1-2735910382
iv. Education Qualifications	*PhD (CE) Pursuing, M.Tech (CE), BE (IT)
v. Work Experience	
• Teaching	5 Years
• Research	2 Years
• Industry	-
• Others	-
vi. Area of Specialization	Cloud Computing, Amazon Web Services, Computer Networking
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Advanced Computing (UG) Wireless Communication Mobile Computing (UG) Software Project Major (UG) Fundamentals of Computer Programming (UG) ICT Workshop (UG) Computer Network (UG) Advanced Computer Network (UG) AWS Certification Courses
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	09
• Master	04
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	13
xiii. No. of Books published with details	-01 Introducing Java Kingdom (First Edition) (9352671279)

i. Name	Mikinkumar Rakeshbhai Patel
ii. Date of Birth	04/03/1988
iii. Unique id	1-7316950012
iv. Education Qualifications	BE(IT), MTech (CE), Ph.D. Pursuing
v. Work Experience	6.5
• Teaching	6.5
• Research	-
• Industry	-
• Others	-
vi. Area of Specialization	Semantic Web, Artificial Intelligence
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Artificial Intelligence, "C" Computer Programming Language, Object Oriented Programming with C++, Data Structure.
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	2
• Master	3
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	2
xiii. No. of Books published with details	-

Profile of Faculty

i. Name	Nishat A. Shaikh
ii. Date of Birth	02-Feb-1993
iii. Unique id	1-7316950034
iv. Education Qualifications	B.E(IT), M.Tech(CE), PhD(Pursuing)
v. Work Experience	7.4 years
• Teaching	7.4 years
• Research	
• Industry	Nil
• Others	Nil
vi. Area of Specialization	Machine Learning, Deep Learning
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Programming Languages: C, C++, Java Operating System Information Security Software Group Project ICT Workshop Software Engineering
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	
• Master	Nil
• Ph.D.	Nil
ix. Projects Carried out	Nil
x. Patents	1
xi. Technology Transfer	Nil
xii. Research Publications	1
xiii. No. of Books published with details	Nil

Profile of Faculty

i. Name	Madhav Mukundbhai Ajwalia
ii. Date of Birth	10-01-85
iii. Unique id	1-7316950040
iv. Education Qualifications	ME CE (IT Systems and Network Security)
v. Work Experience	4 Years
• Teaching	4 Years
• Research	0
• Industry	0
• Others	0
vi. Area of Specialization	Blockchain, Cybersecurity and Cryptography
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Data Communication, Computer Network, Cryptography and Network Security, Cyber Security, Blockchain Technology
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	2 Papers in Conference
• Master	0
• Ph.D.	0
ix. Projects Carried out	1
x. Patents	0
xi. Technology Transfer	NA
xii. Research Publications	2 Papers in Conference
xiii. No. of Books published with details	2 Books

Profile of Faculty

i. Name	Patel Dhavalkumar Sunilbhai
ii. Date of Birth	29/07/1985
iii. Unique id	1-11014721101
iv. Education Qualifications	B.Tech/ M.E/ Ph.D Pursuing
v. Work Experience	11.5 Yr
• Teaching	9Yr
• Research	
• Industry	
• Others	2.5 Yr
vi. Area of Specialization	Fog Computing, UI/UX
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	CCP, Devops, FOCP, Cloud Computing, ICT
viii. Research guidance	Nil
• No. of papers published in National/ International Journals/ Conferences	Nil
• Master	Nil
• Ph.D.	Nil
ix. Projects Carried out	Nil
x. Patents	Nil
xi. Technology Transfer	Nil
xii. Research Publications	7
xiii. No. of Books published with details	Nil

Profile of Faculty

i.	Name	Dr. Aneri K Pandya
ii.	Date of Birth	25/02/1985
iii.	Unique id	Not Applicable
iv.	Education Qualifications	Ph.D
v.	Work Experience	13.2 years
	• Teaching	13.2 years
	• Research	7 Years
	• Industry	6 Month
	• Others	
vi.	Area of Specialization	Microprocessors and Microcontrollers, Antenna Designs
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Digital Electronics, Internet of Things, Computer networks, Microprocessor and microcontrollers, Computer Organization and Architecture, Optical communication.
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	-
	• Master	-
	• Ph.D.	-
ix.	Projects Carried out	-
x.	Patents	-
xi.	Technology Transfer	-
xii.	Research Publications	12
xiii.	No. of Books published with details	-

Profile of Faculty

i.	Name	PAVITRA MODI
ii.	Date of Birth	23 - SEPTEMBER- 1996
iii.	Unique id	Not Applicable
iv.	Education Qualifications	M.TECH
v.	Work Experience	3 YEARS
	● Teaching	4 MONTHS
	● Research	0
	● Industry	2.5 years
	● Others	0
vi.	Area of Specialization	WEB DEVELOPMENT
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Data Structures and Algorithms
viii.	Research guidance	NA
	● No. of papers published in National/ International Journals/ Conferences	0
	● Master	NA
	● Ph.D.	NA
ix.	Projects Carried out	0
x.	Patents	0
xi.	Technology Transfer	3
xii.	Research Publications	0
xiii.	No. of Books published with details	0

Profile of Faculty

i.	Name	Shah prathi rakesshbhai
ii.	Date of Birth	01/04/1999
iii.	Unique id	Not Applicable
iv.	Education Qualifications	Mtech -CE
v.	Work Experience	1 year 3 month
	• Teaching	1.3 year
	• Research	6 months
	• Industry	-
	• Others	-
vi.	Area of Specialization	Web development cloud computing Networking
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Java web technology Full-stack web development Computer architecture and microprocessor interfacing Data communication and networking
viii.	Research Guidance	
	• No. of papers published in National/ International Journals/ Conferences	-
	• Master	-
	• Ph.D.	-
ix.	Projects Carried out	-
x.	Patents	-
xi.	Technology Transfer	-
xii.	Research Publications	-
xiii.	No. of Books published with details	-

Profile of Faculty

i.	Name	RAJNIK S KATRIYA
ii.	Date of Birth	15/11/1990
iii.	Unique id	Not Applicable
iv.	Education Qualifications	ME COMPUTER
v.	Work Experience	
	• Teaching	09 years 04 months
	• Research	NA
	• Industry	06 months
	• Others	NA
vi.	Area of Specialization	Cyber Security
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Cyber Security, Database Management System, Operating System, Java Programming, Cryptography and Network Security
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	NA
	• Master	NA
	• Ph.D.	NA
ix.	Projects Carried out	NA
x.	Patents	NA
xi.	Technology Transfer	NA
xii.	Research Publications	03
xiii.	No. of Books published with details	NA

i. Name	Dr. Nirav Bhatt
ii. Date of Birth	11 th January, 1983
iii. Unique id	1-443242068
iv. Education Qualifications	Ph.D.
v. Work Experience	
• Teaching	16
• Research	6
• Industry	-
• Others	-
vi. Area of Specialization	Data analytics, Machine Learning, Data Processing and Optimization
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Database Management system Language Processor Operating System Computer Network Machine Laerning
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	6
• Master	1
• Ph.D.	0
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	26
xiii. No. of Books published with details	The Multi-Criteria Ranking Approach to Classification Algorithms, Lap Lambert Academic Publishing, 2015. Ranking of Classifiers Using Active Meta Learning, Lap Lambert Academic Publishing, 2013.

i.	Name	GAURAV KUMAR GAUTAM
ii.	Date of Birth	17-06-1998
iii.	Unique id	NA
iv.	Education Qualifications	M.Tech.
v.	Work Experience	
	• Teaching	1 month
	• Research	-
	• Industry	-
	• Others	-
vi.	Area of Specialization	MACHINE LEARNING & DEEP LEARNING
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	0
viii.	Research guidance	NA
	• No. of papers published in National/ International Journals/ Conferences	0
	• Master	0
	• Ph.D.	0
ix.	Projects Carried out	0
x.	Patents	0
xi.	Technology Transfer	0
xii.	Research Publications	0
xiii.	No. of Books published with details	0

i.	Name	Nishant
ii.	Date of Birth	21.7.1991
iii.	Unique id	Not Applicable
iv.	Education Qualifications	MTECH(ICT)
v.	Work Experience	7 years
	• Teaching	2 years
	• Research	1 year
	• Industry	4 years
	• Others	-
vi.	Area of Specialization	Computer Networks, Image processing
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Physics, Image processing, Computer Vision, DCN, Python, SQL, Matlab, Graph Theory
viii.	Research guidance	NA
	• No. of papers published in National/ International Journals/ Conferences	3
	• Master	3
	• Ph.D.	0
ix.	Projects Carried out	5
x.	Patents	None
xi.	Technology Transfer	None
xii.	Research Publications	1
xiii.	No. of Books published with details	None

i. Name	Dr. Trushit Upadhyaya
ii. Date of Birth	20 June 1983
iii. Unique id	1-449929219
iv. Education Qualifications	PhD (Electronics & Communication) M.E (Telecommunication) B.E (Electronics & Communication)
v. Work Experience	
• Teaching	15
• Research	3
• Industry	2
• Others	---
vi. Area of Specialization	RF & Microwave, Electromagnetics, Data Communication and Networking
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Electromagnetic Theory Antenna Systems Microwave Engineering Data Communication and Networking Communication Systems
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	135
• Master	30
• Ph.D.	9
ix. Projects Carried out	09
x. Patents	02
xi. Technology Transfer	---
xii. Research Publications	85
xiii. No. of Books published with details	1. Speaker Separation using acoustic beamforming, Lambert Publishers, May 2015, ISBN: 978 - 3 - 659 - 71475 - 7 2. Oscad Manual of Electronic Circuit, Analysis and Design, TextBook Companion Project, Indian Institute of Technology - Bombay, sponsored by Ministry of Human Resource and Development (MHRD), Government of India, 2014, Available online at freeeda.in/textbook_run/24

i. Name	Dr. Amit V Patel
ii. Date of Birth	26/02/1985
iii. Unique id	1-449928552
iv. Education Qualifications	PhD
v. Work Experience	14.3 Yrs.
• Teaching	7 Yrs.
• Research	7.3Yrs
• Industry	-
• Others	-
vi. Area of Specialization	Microwave and Millimeter-wave components, Signal Processing, High power transmission
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post GraduateDiploma Level	Network (Under Graduate), Control Theory(Under Graduate), Power Electronics(Under Graduate) Arduino programming(Under Graduate) Digital Electronics (Under Graduate) Antenna and Wave propagation (Under Graduate) RF and microwave communication(Post Graduate)
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	36 publications in International journals 20 publications in National/International conferences
• Master	-
• Ph.D.	-
ix. Projects Carried out	Completed 4 Major research projects sponsored by BRNS
x. Patents	00
xi. Technology Transfer	-
xii. Research Publications	56 publications
xiii. No. of Books published with details	00

i. Name	Jitendra Prabhakar Chaudhari
ii. Date of Birth	01/07/1972
iii. Unique id	1-449988251
iv. Education Qualifications	Ph D
v. Work Experience	23 Years
• Teaching	21 Years
• Research	8 Years
• Industry	2 Years
• Others	
vi. Area of Specialization	Image Processing, Power Electronics
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Electronic Devices and Measurements, Optical Fibre Communication, Power Electronics, Data Communication, Digital Communication, Information Theory
viii. Research guidance	6
• No. of papers published in National/ International Journals/ Conferences	74
• Master	
• Ph.D.	
ix. Projects Carried out	3
x. Patents	1
xi. Technology Transfer	-
xii. Research Publications	74
xiii. No. of Books published with details	-

i. Name	Dr. Arpita Patel
ii. Date of Birth	07/09/1982
iii. Unique id	1-449928732
iv. Education Qualifications	Ph.D, M.Tech, B.E
v. Work Experience	
• Teaching	16 Years
• Research	5 Years
• Industry	1.5 Years
• Others	-
vi. Area of Specialization	Wireless Communication, Mixed Signal VLSI
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	UG Level: 11 PG Level: 04
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	07
• Master	05
• Ph.D.	01
ix. Projects Carried out	1 Ongoing(SARAS 3D)
x. Patents	None
xi. Technology Transfer	None
xii. Research Publications	31
xiii. No. of Books published with details	03 +2(to be publish in Springer Lecture Notes in Networks and Systems)

i. Name	Killol Vishnuprasad Pandya
ii. Date of Birth	11 th December 1984
iii. Unique id	1-450102472
iv. Education Qualifications	Ph.D.
v. Work Experience	15 Yrs.
• Teaching	15 Yrs.
• Research	11 Yrs.
• Industry	-
• Others	-
vi. Area of Specialization	Antenna Designing, RF and Microwave
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	UG Level: 11 PG Level: 02
viii. Research guidance	5
• No. of papers published in National/ International Journals/ Conferences	52
• Master	05
• Ph.D.	01
ix. Projects Carried out	1 Completed (GUJCOST) 1 Completed (CHARUSAT Seed Project) 1 PRL Respond Project (On going)
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	52
xiii. No. of Books published with details	01 book chapter

i. Name	Dr. Sagarkumar Patel
ii. Date of Birth	28/05/1983
iii. Unique id	1-449822727
iv. Education Qualifications	Ph.D, M.Tech, B.E
v. Work Experience	
• Teaching	15 Years
• Research	11 Years
• Industry	-
• Others	-
vi. Area of Specialization	Wireless Communication, Analog Electronics
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	UG Level: 11 PG Level: 02
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	47
• Master	05
• Ph.D.	-
ix. Projects Carried out	1 Completed(CHARUSAT Seed Project)
x. Patents	01
xi. Technology Transfer	None
xii. Research Publications	47
xiii. No. of Books published with details	04 book chapter

i.	Name	Dr. Dhara P Patel
ii.	Date of Birth	02/07/1985
iii.	Unique id	1-449822413
iv.	Education Qualifications	Ph. D.
v.	Work Experience	12 Yrs
	• Teaching	12 Yrs
	• Research	-
	• Industry	-
	• Others	-
vi.	Area of Specialization	VLSI Design, Microelectronics
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post GraduateDiploma Level	Digital System Design, VLSI Design, Python, Control Theory, RF and Microwave Engineering, Antenna and Wave propagation, Electromagnetic Theory (Under Graduate) Analog CMOS Integrated Circuits (Post Graduate)
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	10 publications in International journals 3 publications in National/International conferences
	• Master	03
	• Ph.D.	00
ix.	Projects Carried out	01
x.	Patents	00
xi.	Technology Transfer	-
xii.	Research Publications	10 publications
xiii.	No. of Books published with details	00

i. Name	Dr. Hardik Modi
ii. Date of Birth	08/05/1984
iii. Unique id	1-450102345
iv. Education Qualifications	Ph.D, M.E, B.E
iv. Work Experience	16 years
• Teaching	14 years
• Research	12 Years
• Industry	2 years
• Others	-
v. Area of Specialization	Digital Image and Signal Processing, Mobile and Satellite Communication, Computer Vision
vi. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate: 10 Post Graduate : 05
vii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	63
• Master	25
• Ph.D.	04
viii. Projects Carried out	01
ix. Patents	01 Published
x. Technology Transfer	-
xi. Research Publications	70
xii. No. of Books published with details	06 (Book Chapters)

i. Name	Dr. Jigneshkumar Jayantibhai Patoliya
ii. Date of Birth	13/11/1986
iii. Unique id	1-449822670
iv. Education Qualifications	PhD
v. Work Experience	12.5 Yrs.
• Teaching	12.5 Yrs.
• Research	-
• Industry	-
• Others	-
vi. Area of Specialization	Embedded systems, Robotics, and IoT
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Digital electronics(Under Graduate) Microprocessors & Interfacing (Under Graduate) Microcontroller & Applications (Under Graduate) Embedded Systems (Under Graduate) Embedded Linux (Under Graduate) Digital system design (Under Graduate) VLSI design (Under Graduate) Computer organization and Microprocessor (Under Graduate) Prototyping electronics with Arduino (Under Graduate) Internet of Things (Under Graduate) Embedded system design (Post Graduate) Embedded software development & Implementation (Post Graduate) Real time system design (Post Graduate) Real Time Operating System (Post Graduate) Internet of Things (Post Graduate)
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	22 publications in International journals 08 publications in International conferences
• Master	Guided 16+ students
• Ph.D.	00
ix. Projects Carried out	01
x. Patents	00
xi. Technology Transfer	-
xii. Research Publications	30 publications
xiii. No. of Books published with details	00

i. Name	Dharmendrasinh Virendrasinh Chauhan
ii. Date of Birth	08 th August 1984
iii. Unique id	1-449928319
iv. Education Qualifications	Ph.D., M.E., B.E
v. Work Experience	15 Years
• Teaching	14 Years and 06 Months
• Research	10 Years
• Industry	6 Months
• Others	None
vi. Area of Specialization	Wireless Digital Communication, Frontend VLSI Design and Functional Verification.
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Circuit Theory, Analog Electronics, Digital Electronics, Digital System Design using FPGA, System Verilog, Wireless Communication, Coding Theory. Minor Specialization: Electric Vehicle – Connected Vehicle.
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	Journals: 2 Conferences: 2
• Master	03
• Ph.D.	01 - Ongoing
ix. Projects Carried out	01 Completed (CHARUSAT Seed Project)
x. Patents	None
xi. Technology Transfer	None
xii. Research Publications	Journal (WoS/Scopus): 15; IEEE Conference: 5;
xiii. No. of Books published with details	Book Chapter: 02

i. Name	Dr. Upesh Patel
ii. Date of Birth	05/12/1987
iii. Unique id	1-449928313
iv. Education Qualifications	Ph.D, M.Tech, B.E
• Teaching	13 Years
• Research	8 Years
• Industry	-
• Others	-
v. Area of Specialization	Antenna Design, RF and Microwave, Image & Video Processing
vi. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate: 08
vii. Research guidance	05 M.Tech Students
• No. of papers published in National/ International Journals/ Conferences	25
• Master	05
• Ph.D.	01
viii. Projects Carried out	1 Ongoing
ix. Patents	1 Applied
x. Technology Transfer	-
xi. Research Publications	40
xii. No. of Books published with details	06 (Book Chapters)

i. Name	Dr.Brijesh Shah
ii. Date of Birth	13/08/1979
iii. Unique id	1-450036365
iv. Education Qualifications	PhD
v. Work Experience	16.3 Yrs.
• Teaching	16.3 Yrs.
• Research	-
• Industry	-
• Others	-
vi. Area of Specialization	Image Processing,Optical Communication
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post GraduateDiploma Level	Digital Image Processing (Under Graduate) Optical Communication(Under Graduate) Digital Communication(Under Graduate) Analog Communication(Under Graduate) Audio Video Engineering (Under Graduate) Electronics Instruments and Measurement(Under Graduate) Advanced Optical Communication(Post Graduate) Digital Communication & Coding(Post Graduate)
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	35 publications in International journals 13 publications in International conferences
• Master	Guided 32 students
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	48 publications
xiii. No. of Books published with details	00

i. Name	Arpan Harishkumar Desai
ii. Date of Birth	24/02/1985
iii. Unique id	Not Applicable
iv. Education Qualifications	Post Doc, Ph.D, MS, BE
v. Work Experience	
• Teaching	12
• Research	6
• Industry	6
• Others	
vi. Area of Specialization	mmwave Antennas, RF and Microwave, VLSI Design
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Bachelors: Basics of Electrical and Electronics Engineering, Analog Circuits and Application, VLSI Technology and Design, Optical Fibre Communication, Data Communication and Networking, Digital Signal Processing Masters: CMOS VLSI Design I
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	Journals: 2 Conferences: 4
• Master	2
• Ph.D.	None
ix. Projects Carried out	2
x. Patents	1 Filed
xi. Technology Transfer	None
xii. Research Publications	Journal (WoS/Scopus): 54; Conference: 23; Book Chapter: 7
xiii. No. of Books published with details	1 accepted in Springer (to be published in November 2023) Book Name: Transparent and Flexible MIMO Antenna Technologies for 5G Applications Transforming 5G with Transparent & Flexible MIMO Antennas https://link.springer.com/book/9783031424854

i. Name	Hitesh N. Patel
ii. Date of Birth	12/09/1986
iii. Unique id	1-449822663
iv. Education Qualifications	Master of Engineering
v. Work Experience	12 Yrs.
• Teaching	12 Yrs.
• Research	-
• Industry	-
• Others	-
vi. Area of Specialization	Embedded system, Digital system design
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Digital electronics, Network Theory, Embedded system design, Microprocessor & Applications, Microcontroller and It's Applications, VLSI Design and Verification.
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	13 publications in International journals 02 publications in International conferences
• Master	Guided 20 students
• Ph.D.	00
ix. Projects Carried out	Fingerprint based attendance logger system.
x. Patents	00
xi. Technology Transfer	-
xii. Research Publications	13 publications
xiii. No. of Books published with details	00

i. Name	Manthan S. Manavadaria
ii. Date of Birth	18-10-1987
iii. Unique id	1-721433172
iv. Education Qualifications	Ph.D. (EC), M.Tech. (CSE), B.E. (EC)
v. Work Experience	14 Years, 07 Months
• Teaching	12 Years, 05 Months
• Research	10 Months
• Industry	04 Months
• Others	-
vi. Area of Specialization	Bio-electronics and Communication Systems
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Analog and Digital Electronics, Digital Communication, Fiber Optical Communication, RADAR system, Electronic Devices and Measurements, Antenna, RFMW, ICT workshop.
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	12
• Master	-
• Ph.D.	-
ix. Projects Carried out	1
x. Patents	2
xi. Technology Transfer	-
xii. Research Publications	4
xiii. No. of Books published with details	1 (Title: VLSI, Publisher: RK Publications, ISBN:978-81-19140-04-6)

i. Name	Dr. Keyur Kamaldasji Mahant
ii. Date of Birth	02/08/1986
iii. Unique id	1-721433178
iv. Education Qualifications	Ph.D
v. Work Experience	10 Yrs.
• Teaching	09 Yrs.
• Research	07 Yrs.
• Industry	01 Yrs
• Others	-
vi. Area of Specialization	RF and Microwave, Digital System Design
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Data Communication and Networking (Under Graduate) Microprocessor & Interfacing (Under Graduate) Power Electronics (Under Graduate) Microcontroller & Application (Under Graduate) Audio Video Engineering (Under Graduate) Digital Electronics (Under Graduate)
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	24 publications in International journals 12 publications in International conferences 2 Book chapters in International publication
• Master	Guided 06 students
• Ph.D.	--
ix. Projects Carried out	Completed 2 Major research projects sponsored by BRNS
x. Patents	00
xi. Technology Transfer	-
xii. Research Publications	36 publications
xiii. No. of Books published with details	01 Space Radiation Monitoring Instrumentation LAP LAMBERT Academic Publishing ISBN: 978-613-6-71825-5

i. Name	Dr. Poonam Thanki
ii. Date of Birth	30/04/1988
iii. Unique id	1-1390296707
iv. Education Qualifications	Ph.D., M.E.(EC), B.E.(EC)
iv. Work Experience	11
• Teaching	11
• Research	--
• Industry	--
• Others	--
v. Area of Specialization	RF and Antenna
vi. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	UG Courses: Control Systems, Network Theory, Analog Circuits & Applications, Antenna & Wave Propagation, Electromagnetics & Antenna Technology, RF & Microwave Engineering, Analog Communication, Prototyping circuits using Arduino, Basics of Electronics Engineering, System Verilog
vii. Research guidance	--
• No. of papers published in National/ International Journals/ Conferences	--
• Master	--
• Ph.D.	--
viii. Projects Carried out	--
ix. Patents	--
x. Technology Transfer	--
xi. Research Publications	Journals(WoS/Scopus) - 05; Conferences - 02; Book Chapter - 02
xii. No. of Books published with details	--

i. Name	Vishal Tank
ii. Date of Birth	20/08/1988
iii. Unique id	1-1507856760
iv. Education Qualifications	M.E. (Communication Systems Engineering)
v. Work Experience	9.5 Yrs.
• Teaching	9.5 Yrs.
• Research	-
• Industry	-
• Others	-
vi. Area of Specialization	Speech Processing
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Basic Electronics & Electrical Engineering (Under Graduate) Radar Systems (Under Graduate)
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	12 publications in International journals 02 publications in International conferences
• Master	-
• Ph.D.	-
ix. Projects Carried out	01
x. Patents	00
xi. Technology Transfer	-
xii. Research Publications	14 publications
xiii. No. of Books published with details	00

i. Name	Rikin J. Nayak
ii. Date of Birth	28/03/1986
iii. Unique id	1-1507922406
iv. Education Qualifications	M.Tech, PhD pursuing
v. Work Experience	9.3 Yrs.
• Teaching	9.3 Yrs.
• Research	7 Yrs.
• Industry	-
• Others	-
vi. Area of Specialization	Embedded System, Computer Vision
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post GraduateDiploma Level	Embedded System (Under Graduate) Data Communication and Networking (Under Graduate) Arduino programming (Under Graduate) Computer Organization and Microprocessor Interfacing (Under Graduate)
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	05 publications in International journals 05 publications in International conferences
• Master	Guided 06 students
• Ph.D.	-
ix. Projects Carried out	Completed research project from DRDO
x. Patents	00
xi. Technology Transfer	-
xii. Research Publications	10
xiii. No. of Books published with details	00

i. Name	Dr.Brijesh Kundaliya
ii. Date of Birth	28/05/1987
iii. Unique id	1-1507968424
iv. Education Qualifications	Ph.D.
v. Work Experience	11 Years
• Teaching	11 Years
• Research	-
• Industry	-
• Others	-
vi. Area of Specialization	Wireless Sensor Networks, Embedded Systems
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Embedded System, Embedded Linux, Data communication & Networking, Sensor Networks, Digital Electronics, Microcontroller and Application, Optical Communication, Control systems, Power Electronics, VLSI, Analog Electronics Circuits,
viii. Research guidance	01
• No. of papers published in National/ International Journals/ Conferences	8
• Master	2
• Ph.D.	4
ix. Projects Carried out	-
x. Patents	1 Applied
xi. Technology Transfer	-
xii. Research Publications	14
xiii. No. of Books published with details	6 (Book Chapter)

i. Name	Mr. Miral M. Desai
ii. Date of Birth	31/03/1988
iii. Unique id	1-2298217484
iv. Education Qualifications	M.Tech, B.E.
v. Work Experience	
• Teaching	11.3 Years
• Research	5 Years
• Industry	1 Year
• Others	-
vi. Area of Specialization	Embedded System, Embedded Linux, Computer Vision, Machine Learning, Internet of Things
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate: 09 Post Graduate: 02
viii. Research guidance	05 M.Tech Students
• No. of papers published in National/ International Journals/ Conferences	15
• Master	01
• Ph.D.	03
ix. Projects Carried out	-
x. Patents	01
xi. Technology Transfer	-
xii. Research Publications	15
xiii. No. of Books published with details	06

i. Name	Dhara Milan Patel
ii. Date of Birth	30-03-1989
iii. Unique id	1-2298217489
iv. Education Qualifications	M.E. EC(Signal Processing and Communication)
v. Work Experience	9.5
• Teaching	9.5
• Research	-
• Industry	-
• Others	-
vi. Area of Specialization	RF and Antenna
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	UG: Digital Electronics, Basic of electrical and electronics, Analog circuits and Application, Computer concept in basic C programming, Object oriented programing with C++, Antenn and Wave propagation, Vlsi Design, Digital Communication, Data Communication and Networking
viii. Research guidance	-
• No. of papers published in National/ International Journals/ Conferences	-
• Master	-
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	Journal:2, Conferences:2
xiii. No. of Books published with details	-

i. Name	Alpesh D. Vala
ii. Date of Birth	23/09/1991
iii. Unique id	1-3253689490
iv. Education Qualifications	M.Tech, PhD pursuing
v. Work Experience	6.0 Yrs.
• Teaching	3.8 Yrs.
• Research	6.0
• Industry	-
• Others	-
vi. Area of Specialization	RF and Microwave, Digital System
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Basics of Electrical and Electronics Engineering (Under Graduate) Power Electronics(Under Graduate) Arduino programming(Under Graduate) Digital Electronics (Under Graduate) Microp processor (Under Graduate)
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	25 publications in International journals 07 publications in National/International conferences
• Master	-
• Ph.D.	-
ix. Projects Carried out	Completed Major research project sponsored by BRNS
x. Patents	00
xi. Technology Transfer	-
xii. Research Publications	32 publications
xiii. No. of Books published with details	00

i.	Name	Dr. Kanwar Preet Kaur
ii.	Date of Birth	27/02/1983
iii.	Unique id	Not Applicable
iv.	Education Qualifications	PhD, ME (EC), BE (EC)
v.	Work Experience	
	• Teaching	10+ years
	• Research	07+ years
	• Industry	-
	• Others	-
vi.	Area of Specialization	Metamaterials, Metamaterials Microwave Absorbers, Frequency Selective Surface, Antenna
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	<u>UG Level:</u> Digital Electronics, Basic Electronics, Linear Integrated Circuits and Applications, EMT, Antennas, RF and Microwave Engineering, Digital Communication, Optical Communication <u>PG Level:</u> Data Communication
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	-
	• Master	02
	• Ph.D.	-
ix.	Projects Carried out	-
x.	Patents	-
xi.	Technology Transfer	-
xii.	Research Publications	JCR: 04; SJR: 06; Google scholar Indexed: 05; Book Chapters: 02; International and National Conferences: 11
xiii.	No. of Books published with details	-

i.	Name	Dr. Vijaykumar Chaudhary
ii.	Date of Birth	21/12/1975
iii.	Unique id	1-450301491
iv.	Education Qualifications	BE, ME, PhD - Mechanical Engineering
v.	Work Experience	
	• Teaching	23 years
	• Research	5 years
	• Industry	1 year
	• Others	--
vi.	Area of Specialization	Machining of Polymer Matrix Composite
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Computer Aided Engineering Computer Aided Manufacturing CNC Technology & Programming Computer Aided Design Machine Design
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	35
	• Master	40
	• Ph.D.	Guiding 6 research scholars
ix.	Projects Carried out	02
x.	Patents	--
xi.	Technology Transfer	--
xii.	Research Publications	30
xiii.	No. of Books published with details	04 book chapters

i.	Name	Dr. Mayur Sutaria
ii.	Date of Birth	July 27, 1980
iii.	Unique id	1-450655011
iv.	Education Qualifications	B.E. Mechanical Engg., M.E. Production Engg., Ph.D Metal Casting
v.	Work Experience	
	• Teaching	20 Years
	• Research	12 Years
	• Industry	Nil
	• Others	Nil
vi.	Area of Specialization	Metal Casting and Composites
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Casting and Welding Processes Metal Casting Technology Advances in Manufacturing Technology Computer-aided Engineering Computational Fluid Dynamics Finite Element Method Operations Research Advanced Engineering Optimization Techniques
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	51
	• Master	36
	• Ph.D.	04 (Degree Awarded); 02 (pursuing)
ix.	Projects Carried out	1. Network Enabled Online Casting Simulation System (E-Foundry), Funded Under: NKN Mission, Ministry of Comm. & IT, Govt. of India, Duration: 07/2011- 06/2014 2. Time-Varying Performance Evaluation of Boundary Mould Elements (Feed-Aids) for Effective Application of CAD and Simulation Technologies in Indian Foundries, Funded Under: Research Promotion Scheme (RPS) of AICTE, Duration: 09/2015- 08/2018 3. SMART (Sustainable Metal casting using Advanced Research and Technology) Foundry 2020, Funded Under: Technology Systems Development Programme (TSDP) Scheme of DST, Duration: 09/2016- 09/2023
x.	Patents	Patent Title: Device for Handling the Molten Metal Patent application number: 201921049404 Publication Date: June 04, 2021 Journal Number: 23/2021 (-Indian Patent Office, Page 142)
xi.	Technology Transfer	Nil
xii.	Research Publications	51
xiii.	No. of Books published with details	Nil

i. Name	Dr. DATTATRAYA GANPATRAO SUBHEDAR
ii. Date of Birth	21/05/1976
iii. Unique id	1-450655030
iv. Education Qualifications	Ph.D.
v. Work Experience	
• Teaching	25 Years
• Research	05 years
• Industry	Nil
• Others	
vi. Area of Specialization	Heat Transfer & Fluid Flow
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Fluid Mechanics, Computational Fluid Dynamics, Advanced Fluid Dynamics, Dynamics of Compressible Flow, Finite Element Method, Experimental Techniques in Thermal Engineering
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	Journal Publications: 42 Conference Publications: 27
• Master	38
• Ph.D.	06 (Ongoing)
ix. Projects Carried out	02
x. Patents	Nil
xi. Technology Transfer	Nil
xii. Research Publications	69
xiii. No. of Books published with details	Nil

i. Name	Dr. Kamlesh Chauhan
ii. Date of Birth	14/07/1984
iii. Unique id	1-7323751623
iv. Education Qualifications	PhD – Mechanical Engineering
v. Work Experience	
● Teaching	16 years
● Research	5 years
● Industry	--
● Others	--
vi. Area of Specialization	Thermal, Tribology and Thin film coatings
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Fluid Mechanics Thermal Engineering Industrial Tribology Advanced Materials Surface Engineering Advanced Power Generation System Steam & Gas Turbine
viii. Research guidance	--
● No. of papers published in National/ International Journals/ Conferences	57
● Master	24
● Ph.D.	01 Completed, 03 (ongoing)
ix. Projects Carried out	--
x. Patents	--
xi. Technology Transfer	--
xii. Research Publications	56
xiii. No. of Books published with details	--

i.	Name	Dr. Gajanan Patange
ii.	Date of Birth	11/12/1973
iii.	Unique id	1-450655048
iv.	Education Qualifications	PhD – Mechanical Engineering
v.	Work Experience	
	• Teaching	23 years
	• Research	7 years
	• Industry	
	• Others	--
vi.	Area of Specialization	Industrial Engineering
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Industrial Engineering and Management, Production planning and control, Quality Engineering and control, Manufacturing process, Workshop technology, Manufacturing planning and control, occupational health and safety, operations research, Production operation and management, Metrology.
viii.	Research guidance	03 ongoing
	• No. of papers published in National/ International Journals/ Conferences	59
	• Master	25
	• Ph.D.	Guiding 3 research scholars
ix.	Projects Carried out	-
x.	Patents	--
xi.	Technology Transfer	--
xii.	Research Publications	28
xiii.	No. of Books published with details	01 book chapter

i.	Name	Dr. Dipalkumar Mahendrabhai Patel
ii.	Date of Birth	29/12/1984
iii.	Unique id	1-450655086
iv.	Education Qualifications	B.E. Mechanical Engg., M.E. (CAD/CAM), Ph.D.-Mechanical Engg.
v.	Work Experience	
	• Teaching	14.7 Years
	• Research	3 Years
	• Industry	-
	• Others	-
vi.	Area of Specialization	Magnetorheological fluid application, Vibration Isolations
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Mechanical Vibrations, Dynamics of Machines, Computer-Aided Design, Industrial Automation & Robotics, Hydraulic and Pneumatics, Instrumentation & Controls.
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	26
	• Master	18
	• Ph.D.	-
ix.	Projects Carried out	01
x.	Patents	-
xi.	Technology Transfer	-
xii.	Research Publications	26
xiii.	No. of Books published with details	-

i. Name	Maulik Shah
ii. Date of Birth	23/12/1986
iii. Unique id	1-450655098
iv. Education Qualifications	M.Tech CAD/CAM, PhD – Mechanical Engineering Continue
v. Work Experience	
• Teaching	3 years
• Research	11 years
• Industry	6 months
• Others	
vi. Area of Specialization	Finite Element Analysis, Machine Design, Machining of Polymer Matrix Composites, Opto-mechanical Engineering, Computer Aided Design
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engineering Graphics Engineering Physics - 1 Design Concept and Machine Drawing Design of Machine Elements – 1 Design of Transmission Systems Computer Aided Design
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	12
• Master	2
• Ph.D.	
ix. Projects Carried out	06
x. Patents	--
xi. Technology Transfer	--
xii. Research Publications	07
xiii. No. of Books published with details	01 book chapter

i.	Name	Dr. Sagar Chokshi
ii.	Date of Birth	20/06/1988
iii.	Unique id	1-450655102
iv.	Education Qualifications	Ph.D.-Mechanical Engineering
v.	Work Experience	
	• Teaching	12.8 Years
	• Research	10.8 Years
	• Industry	Nil
	• Others	Nil
vi.	Area of Specialization	Polymer Matrix Composites
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engineering Graphics, Engineering Drawing, Advanced Machine Design, Elements of Engineering, Artificial Intelligence, Engineering Physics
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	30
	• Master	08
	• Ph.D.	Nil
ix.	Projects Carried out	01
x.	Patents	Nil
xi.	Technology Transfer	Nil
xii.	Research Publications	30
xiii.	No. of Books published with details	01 (Strength Prediction of Unidirectional Composites with Three Phase RVE, LAP Lambert Academic Publishing)

i. Name	Axat Patel
ii. Date of Birth	05/11/1987
iii. Unique id	1-450655110
iv. Education Qualifications	M.Tech in Mechanical CAD/CAM , PhD Pursuing
v. Work Experience	Total 12 Years
• Teaching	02 Years
• Research	10 Years
• Industry	--
• Others	--
vi. Area of Specialization	Machine Design, FEA, Machine vision, Composite coating
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Control Engineering Industry 4.0 and Industrial IoT Instrumentation and Control Mechanical Measurements and Metrology Design concepts and Machine Drawing Engineering Graphics Engineering Physics -1
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	10
• Master	01
• Ph.D.	--
ix. Projects Carried out	07
x. Patents	--
xi. Technology Transfer	--
xii. Research Publications	07
xiii. No. of Books published with details	--

i.	Name	ANAND PURUSHOTTAMBHAI PATEL
ii.	Date of Birth	01-August-1983
iii.	Unique id	1-782606812
iv.	Education Qualifications	M.Tech (CAD/CAM), PhD(pursuing)
v.	Work Experience	
	• Teaching	11 years
	• Research	0
	• Industry	2 years
	• Others	0
vi.	Area of Specialization	Design, I.C.Engine, Biodiesel
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Fundamentals of Mechanical Engineering, Engineering Physics, Design of Machine Elements, Metrology and Quality Control, Design of Transmission Systems, Combustion Engineering, Basics of Electrical Vehicle Systems, Automobile Engineering,
viii.	Research guidance	-
	• No. of papers published in National/ International Journals/ Conferences	Journals - 02 Conferences - 00
	• Master	-
	• Ph.D.	-
ix.	Projects Carried out	-
x.	Patents	-
xi.	Technology Transfer	-
xii.	Research Publications	02
xiii.	No. of Books published with details	-

i. Name	Dr. Vishal Mehta
ii. Date of Birth	05/12/1987
iii. Unique id	1-721576558
iv. Education Qualifications	PhD (Mechanical Engineering)
v. Work Experience	13 Years
• Teaching	12 Years
• Research	05 Years
• Industry	01 Year
• Others	Nil
vi. Area of Specialization	Composite Materials, Materials Processing
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Manufacturing Processes, Production Technology, Computer Aided Manufacturing, Casting and Welding Processes, Workshop Technology, Elements of Engineering
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	22
• Master	08
• Ph.D.	Nil
ix. Projects Carried out	Nil
x. Patents	Nil
xi. Technology Transfer	Nil
xii. Research Publications	22
xiii. No. of Books published with details	Nil

i. Name	Dr. Kundankumar Mohanbai Patel
ii. Date of Birth	21/04/1988
iii. Unique id	1-721576596
iv. Education Qualifications	Ph.D.
v. Work Experience	
• Teaching	11 Years
• Research	05 Years
• Industry	Nil
• Others	Nil
vi. Area of Specialization	Primary and secondary manufacturing of polymer matrix composites
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Manufacturing Processes Computer Aided Design Computer Aided Manufacturing Hydraulics and Pneumatics Unconventional Machining Processes
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	17
• Master	12
• Ph.D.	02 (Ongoing)
ix. Projects Carried out	01
x. Patents	Nil
xi. Technology Transfer	Nil
xii. Research Publications	17
xiii. No. of Books published with details	Nil

i.	Name	Kawaljitsingh Randhawa
ii.	Date of Birth	31/03/1985
iii.	Unique id	1-1390296685
iv.	Education Qualifications	Ph.D. (Mechanical Engineering)
v.	Work Experience	
	• Teaching	11 Years
	• Research	05 Years
	• Industry	02 Years
	• Others	Nil
vi.	Area of Specialization	Polymer Composites
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Elements of Engineering, Production Technology, Machining & Forming Processes, Operation Research, Optimization Techniques, Advanced Engineering Optimization Techniques, Product Design & Value Engineering, Quality Engineering & Assurance, Production & Operation Management
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	19
	• Master	04
	• Ph.D.	01 (Pursuing)
ix.	Projects Carried out	01
x.	Patents	Nil
xi.	Technology Transfer	Nil
xii.	Research Publications	19
xiii.	No. of Books published with details	Nil

i.	Name	Bhavin H. Mehta
ii.	Date of Birth	01.06.1988
iii.	Unique id	1-1507813568
iv.	Education Qualifications	M. Tech (Mechanical), Ph.D. (Pursuing)
v.	Work Experience	13 Years
	• Teaching	13 Years
	• Research	-
	• Industry	-
	• Others	-
vi.	Area of Specialization	Heat Transfer, Nanofluid, Solar Collectors
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engineering Thermodynamics, Heat & Mass Transfer, Refrigeration & Air-conditioning, Power Plant Engineering, Design of Heat Exchanger, Steam & Gas Turbine, Elements of Engineering
viii.	Research guidance	-
	• No. of papers published in National/ International Journals/ Conferences	17
	• Master	-
	• Ph.D.	-
ix.	Projects Carried out	-
x.	Patents	-
xi.	Technology Transfer	-
xii.	Research Publications	17
xiii.	No. of Books published with details	-

i. Name	SATAYU TRAVADI
ii. Date of Birth	17/07/1984
iii. Unique id	1-2189224079
iv. Education Qualifications	M.E. (THERMAL ENGINEERING),
v. Work Experience	
• Teaching	10+
• Research	-
• Industry	-
• Others	-
vi. Area of Specialization	THERMAL ENGINEERING, RENEWABLE ENERGY
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engineering Graphics, Thermal Engineering, Fluid Mechanics, Fluid Machines, Alternate Energy Sources, Fundamentals of Mechanical Engineering, Engineering Physics
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	1
• Master	2
• Ph.D.	-
ix. Projects Carried out	4
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	2
xiii. No. of Books published with details	-

i. Name	VIKAS PANCHAL
ii. Date of Birth	14/08/1990
iii. Unique id	1-2189352215
iv. Education Qualifications	M.E. (MACHINE DESIGN),
v. Work Experience	
• Teaching	10+
• Research	-
• Industry	-
• Others	-
vi. Area of Specialization	Composite materials, ANOVA
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Material Science, Production Technology, Engineering Graphics, Fundamentals of physics and mathematics, Creativity problem solving and Innovation, Operations research, Advanced engineering optimization techniques.
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	3
• Master	2
• Ph.D.	-
ix. Projects Carried out	7
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	3
xiii. No. of Books published with details	-

i. Name	Punit Patel
ii. Date of Birth	13/06/1989
iii. Unique id	1-2189389817
iv. Education Qualifications	B.E. (Mechanical), M.Tech. (CAD/CAM), Ph.D. (Pursuing)
v. Work Experience	09 Years
● Teaching	09 Years
● Research	-
● Industry	-
● Others	-
vi. Area of Specialization	Composite Materials
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Machines and Mechanisms Design Concept and Machine Drawing Elements of Engineering Creativity, Problem Solving and Innovation
viii. Research guidance	-
● No. of papers published in National/ International Journals/ Conferences	-
● Master	-
● Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	07
xiii. No. of Books published with details	-

i.	Name	Madhav Oza
ii.	Date of Birth	20/06/1988
iii.	Unique id	1-2904106645
iv.	Education Qualifications	M.E. (CAD/CAM), Ph.D. (Pursuing)
v.	Work Experience	
	• Teaching	9 Years
	• Research	-
	• Industry	-
	• Others	-
vi.	Area of Specialization	CAD/CAM, Mechanical Vibration, Finite Element Analysis
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	CAD/CAM, Dynamics of Machines, Material Science, Mechanical Vibrations
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	-
	• Master	-
	• Ph.D.	-
ix.	Projects Carried out	Life Cycle Testing for Dampers
x.	Patents	-
xi.	Technology Transfer	-
xii.	Research Publications	3
xiii.	No. of Books published with details	-

i. Name	GAURANG ARVINDBHAI PATEL
ii. Date of Birth	16-March-1988
iii. Unique id	1-2191466079
iv. Education Qualifications	M.Tech (CAD/CAM), PhD(pursuing)
v. Work Experience	
• Teaching	10 years
• Research	0
• Industry	2.5 years
• Others	0
vi. Area of Specialization	Polymers, Tribology, Composite materials
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Advanced Materials, Design of Machine Elements, Industrial Tribology, Design concepts and Machine Drawing, Material Science, Renewable Energy Resources, Elements of Engineering
viii. Research guidance	-
• No. of papers published in National/ International Journals/ Conferences	Journals – 13 Conferences - 03
• Master	-
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	13
xiii. No. of Books published with details	-

i.	Name	Harmish Bhatt
ii.	Date of Birth	01 st March 1988
iii.	Unique id	1-2189224073
iv.	Education Qualifications	M.Tech.(CAD/CAM) , Ph.D. (pursuing)
v.	Work Experience	
	• Teaching	13 Years
	• Research	06 years
	• Industry	
	• Others	
vi.	Area of Specialization	Friction stir processing, Casting system design.
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	-Manufacturing science and technology - Production technology - Mechanisms and machines -Engineering graphics - Fundamentals of mechanical engineering
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	11
	• Master	-
	• Ph.D.	-
ix.	Projects Carried out	-
x.	Patents	-
xi.	Technology Transfer	
xii.	Research Publications	11
xiii.	No. of Books published with details	-

i.	Name	Rugnesh Patel
ii.	Date of Birth	15/08/1988
iii.	Unique id	1-2298166884
iv.	Education Qualifications	M.Tech (CAD/CAM)
v.	Work Experience	9.8 Years
	• Teaching	9.8 Years
	• Research	-
	• Industry	-
	• Others	-
vi.	Area of Specialization	CAD/CAM
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engineering graphics/Elements of Engineering Manufacturing process-1/Casting & Joining Process FLUID MACHINES II Power plant Engineering Summer Internship-I Summer Internship-II
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	05
	• Master	
	• Ph.D.	
ix.	Projects Carried out	03
x.	Patents	-
xi.	Technology Transfer	
xii.	Research Publications	-
xiii.	No. of Books published with details	-

i. Name	VIRAL PANARA
ii. Date of Birth	13/03/1989
iii. Unique id	1-2298135539
iv. Education Qualifications	M.TECH. (CAD/CAM)
v. Work Experience	
• Teaching	9+
• Research	-
• Industry	-
• Others	-
vi. Area of Specialization	Metal Casting
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engineering Graphics, Material Science and Technology, Metal Casting Technology, Design of Machines, Creativity Innovation and Problem Solving
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	2
• Master	5
• Ph.D.	-
ix. Projects Carried out	5
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	2
xiii. No. of Books published with details	-

i. Name	Dr. Akash Vishnuprasad Vyas
ii. Date of Birth	20/11/1991
iii. Unique id	1-2904017485
iv. Education Qualifications	PhD
v. Work Experience	
• Teaching	8.2 Years
• Research	NIL
• Industry	NIL
• Others	NIL
vi. Area of Specialization	Metal Casting
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Casting and Joining Processes Metal Casting Technology Production Technology Advanced Manufacturing Technology Unconventional Machining Processes
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	07
• Master	04
• Ph.D.	NIL
ix. Projects Carried out	NIL
x. Patents	NIL
xi. Technology Transfer	NIL
xii. Research Publications	07
xiii. No. of Books published with details	NIL

i.	Name	Abhishek Swarnkar
ii.	Date of Birth	01/05/1984
iii.	Unique id	1-2904154684
iv.	Education Qualifications	PhD
v.	Work Experience	
	• Teaching	10 years
	• Research	5
	• Industry	4.5 years
	• Others	-
vi.	Area of Specialization	Thermal Engineering
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Basics of Civil & Mechanical Engineering Thermodynamics Heat & Mass Transfer Refrigeration & Air Conditioning Internal Combustion Engines Design of Heat Exchangers
viii.	Research guidance	-
	• No. of papers published in National/ International Journals/ Conferences	11
	• Master	-
	• Ph.D.	-
ix.	Projects Carried out	-
x.	Patents	-
xi.	Technology Transfer	-
xii.	Research Publications	11
xiii.	No. of Books published with details	01 (book chapter)

Profile of Faculty

i. Name	PATEL NILAYKUMAR ARVINDBHAI
ii. Date of Birth	2 nd Jan 1973
iii. Unique id	1-445032921
iv. Education Qualifications	Ph.D. (Electrical)
v. Work Experience	
• Teaching	14 Years
• Research	1 Year
• Industry	14 Years
• Others	
vi. Area of Specialization	Electrical Power system
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Basic Electrical Engineering, Electrical Power Generation, Electrical Power system I, Electrical Power system II, Electrical Power system III, Power system Protection, Fault analysis and Switchgear, EHV and HVDC Transmission. Electrical Workshop Technology
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	13
• Master	16
• Ph.D.	-
ix. Projects Carried out	3
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	5
xiii. No. of Books published with details	-

i. Name	Dr. Kartik S. Pandya
ii. Date of Birth	23-Nov.-1975
iii. Unique id	1-444240242
iv. Education Qualifications	Ph.D
v. Work Experience	19 Years
• Teaching	19 Years
• Research	7.5 Years
• Industry	03 Months
• Others	--
vi. Area of Specialization	Power system optimization, Meta-Heuristic Methods, Smart Grid, Integration of Renewable energy sources.
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Graduate Level: 24 Post Graduate Level: 05
viii. Research guidance	01 completed+01 synopsis submitted+07 Pursuing
• No. of papers published in National/ International Journals/ Conferences	International Journals: 16 Conferences: 21
• Master	23
• Ph.D.	01
ix. Projects Carried out	02
x. Patents	00
xi. Technology Transfer	--
xii. Research Publications	37
xiii. No. of Books published with details	Book Chapters: 08

Profile of Faculty

i.	Name	Mihir A. Bhatt
ii.	Date of Birth	30/07/1984
iii.	Unique id	1-444240701
iv.	Education Qualifications	PhD (Electrical Engineering)
v.	Work Experience	
	• Teaching	15.9 years
	• Research	-
	• Industry	-
	• Others	-
vi.	Area of Specialization	High Voltage Engineering
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	High Voltage Engineering, Synchronous & DC Machines, Basics of Electronics & Electrical Engineering, Electrical Measurements & Industrial Instrumentation, Commissioning & Testing of Electrical Equipment, Transformers & Induction Machines, Digital Electronics, Foundation course on Physics & Mathematics
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	18
	• Master	04
	• Ph.D.	-
ix.	Projects Carried out	-
x.	Patents	-
xi.	Technology Transfer	02
xii.	Research Publications	16
xiii.	No. of Books published with details	-

i. Name	Maulik Jashvantlal Shah
ii. Date of Birth	30-10-1986
iii. Unique id	1-771230912
iv. Education Qualifications	M.Tech Electrical Engineering (Power Electronic, Machines and Drives), Ph.D (pursuing)
v. Work Experience	
• Teaching	9 Years 6 months
• Research	-
• Industry	6 months
• Others	
vi. Area of Specialization	Power Electronics and Drives
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Analog and Digital Electronics, Power Electronics and Drives - I, Power Electronics and Drives - II, Internet of Things, Advanced Power Electronics, Power Electronics applications in Power System
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	4 in International Conference
• Master	4
• Ph.D.	
ix. Projects Carried out	1 Research Project (On going)
x. Patents	1 Application (On going)
xi. Technology Transfer	
xii. Research Publications	2
xiii. No. of Books published with details	-

Profile of Faculty

i.	Name	Dr. Sarda Jigar Subodhchandra
ii.	Date of Birth	24-12-1987
iii.	Unique id	1-1394495979
iv.	Education Qualifications	Ph.D.
v.	Work Experience	---
	• Teaching	11 years and 8 months
	• Research	---
	• Industry	---
	• Others	---
vi.	Area of Specialization	Electrical Engineering
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Bachelor of Technology <ul style="list-style-type: none"> • EE145 Basics of Electronics & Electrical Engineering • CE491 Deep Learning Applications and AI • EE444 Simulation Lab • CE291 Python Programming Skills
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	19
	• Master	06
	• Ph.D.	---
ix.	Projects Carried out	<ul style="list-style-type: none"> • A Security Surveillance Robot • A Warehouse Mobility and Material Handling Robot • Electric Golf-Cart • Electric Troika for Internal transportation • Smart Energy Meter • Manufacturing of Rover Robot
x.	Patents	---
xi.	Technology Transfer	---
xii.	Research Publications	11 - International Journals 05 - International Conference 03- Book chapter
xiii.	No. of Books published with details	---

Profile of Faculty

i.	Name	PARMAR VIBHABEN NARENDRABHAI
ii.	Date of Birth	18/06/1985
iii.	Unique id	1-1394495995
iv.	Education Qualifications	M. E. (POWER SYSTEM)
v.	Work Experience	9 Years 6 Months
	• Teaching	9 Years 6 Months
	• Research	5 years
	• Industry	
	• Others	
vi.	Area of Specialization	Power system, Artificial intelligence, Energy management, Optimization
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Basics of electrical and electronics engineering Electric Power Transmission and Distribution Electrical power Utilisation and Traction Energy Management and conservation Power system Protection Simulation Lab Digital electronics Electric Machine Industrial instrumentetion
viii.	Research guidance	UG, PG
	• No. of papers published in National/ International Journals/ Conferences	12
	• Master	02
	• Ph.D.	
ix.	Projects Carried out	SSIP WINNER (1st place in Public Entities sector of industry 2021)
x.	Patents	---
xi.	Technology Transfer	---
xii.	Research Publications	12 Journal Papers
xiii.	No. of Books published with details	---

Profile of Faculty

i.	Name	Jivanadhar A. Joshi
ii.	Date of Birth	20/05/1984
iii.	Unique id	1-1394495929
iv.	Education Qualifications	M.Tech, Industrial Electronics (Electrical Engg), SVNIT, Surat
v.	Work Experience	
	• Teaching	11 Years, 3 MonthsS
	• Research	Enrolled in Phd in Academic Year 2019-20
	• Industry	2 Years, 10 months
	• Others	--
vi.	Area of Specialization	Power Electronics, Signal Processing, Embedded system, Analog and Digital Hardware Design.
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	<p>Under Graduate: 13 courses (Advances in Power System, Power electronics application, Electrical Machines, Electrical Power Utilization and Traction, English, Commissioning of Electrical Apparatus, Microcontroller and applications, Advanced Microcontrollers, Digital Signal Processing, Power system Protection, Basics of Electronics and Electrical Engineering, Foundation course on Mathematics and Science, Digital Electronics</p> <p>Post Graduate: 6 courses Power Electronics circuits, FACTS and HVDC, Advanced Power Electronics, Advanced Power system protection, Digital Signal Processing, Power electronics devices and circuits</p> <p>Minor degree Courses: 01 A special Unit covering ADAS system in the course 'Smart Grid and Connected Vehicles'</p>
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	--
	• Master	6 Students
	• Ph.D.	--
ix.	Projects Carried out	<p>05 consultancy Project/Dept assignments</p> <ol style="list-style-type: none"> 1. SwitchSYnchro™ for ABB, VAdodara 2. Electric solar Vehicle championship with team prithvi in 2015-16 3. 1400 KA Busduct for Nimisha International.

	<p>4. Various projects for demonstration in Research lab, ELECTRICAL ENGG DEPT.</p> <p>5. Medical Pump</p>
x. Patents	--
xi. Technology Transfer	--
xii. Research Publications	--
xiii. No. of Books published with details	--

Profile of Faculty

i.	Name	PRATIK MOCHI
ii.	Date of Birth	29/04/1988
iii.	Unique id	1-1394495967
iv.	Education Qualifications	M.E. Electrical, (PhD Pursuing)
v.	Work Experience	
	• Teaching	11 Years
	• Research	4 Years
	• Industry	---
	• Others	---
vi.	Area of Specialization	Local Electricity Market, Energy Economics, Optimization
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Fundamental of Electrical Engineering (UG) Commissioning of Electrical Equipment (UG) Electrical Technology (UG) Electrical Machines 1 (UG) Electrical Machines 2 (UG) Electrical Machines 3 (UG) Electrical Machine Design 1 (UG) Electrical Machine Design 2 (UG) Transformers And Induction Machines (UG) Synchronous And DC Machines (UG) Modelling and Control of Renewable Energy Sources (UG) Distributed Generation (PG) Modelling and Simulation of Renewable Energy Sources (PG) Modelling and Simulation of Electrical Machines (PG) Modelling and Control of Renewable Energy Sources (UG) Special Electrical Machines (UG)
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	—
	• Master	11
	• Ph.D.	---
ix.	Projects Carried out	---
x.	Patents	---
xi.	Technology Transfer	---
xii.	Research Publications	5 Journal Papers 13 Conference Papers
xiii.	No. of Books published with details	Nil

Profile of Faculty

i. Name	Mahammadsoaib Maheboobmiya Saiyad
ii. Date of Birth	20/04/1987
iii. Unique id	1-1394495923
iv. Education Qualifications	M.E. ELECTRICAL ENGINEERING
v. Work Experience	
• Teaching	11 Years
• Research	
• Industry	08 Months
• Others	
vi. Area of Specialization	Power Electronics , Control Systems, Power Electronics
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post GraduateDiploma Level	Control Systems , Network Analysis, Basics of Electrical and Electronics , Power Electronics & Drives - I ,Power Electronics & Drives - II ,Engineering Electromagnetics, Simulation Lab ,Digital Electronics, Basics of Electrical Vehicles, Control of Electrical Motors for Vehicular Applications, EV battery and Chargers, EV in Smart Grid Applications
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	11
• Master	05
• Ph.D.	-
ix. Projects Carried out	
x. Patents	
xi. Technology Transfer	
xii. Research Publications	03
xiii. No. of Books published with details	

Profile of Faculty

i. Name	DHARMESH SINGH AJMAL SINGH DABHI
ii. Date of Birth	14/06/1991
iii. Unique id	1-2299338893
iv. Education Qualifications	Ph.D
v. Work Experience	
• Teaching	8 years and 4 months
• Research	6 Years
• Industry	
• Others	
vi. Area of Specialization	Electrical Power system Optimization, Electricity Market
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	<p>B. Tech</p> <ul style="list-style-type: none"> – EE-403 Power Electronics & Drives – II – EE-402 Electrical Power System – IV – EE-305 Power Electronics & Drives-I – EE-204 Electrical Power System – I – EE-406 Electrical Machine Design-II – EE-207 Network Analysis – EE-206: Digital Electronics & Microprocessor – EE 145: Basics of Electronics and Electrical Engineering <p>M. Tech</p> <ul style="list-style-type: none"> – EE-743- Advanced Power Electronics in Power Systems – EE-757: Advanced Power Electronic Converters
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	11
• Master	01
• Ph.D.	-
ix. Projects Carried out	02
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	06 - International Journals 04 - International Conference 01- Book chapter
xiii. No. of Books published with details	

Profile of Faculty

i.	Name	Pratik B Panchal
ii.	Date of Birth	27 August 1987
iii.	Unique id	1-473353319
iv.	Education Qualifications	B.E, M.Tech, PhD(Pursuing)
v.	Work Experience	
	• Teaching	9 Years
	• Research	0
	• Industry	1.5 Years
	• Others	
vi.	Area of Specialization	Power System,
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	<p>Under Graduate Level</p> <ul style="list-style-type: none"> • Network Analysis • Electrical Measurement and Measuring Instruments • Transformers and Induction Machines • Synchronous and DC Machines • Digital Signal Processing. • Power System-1 • Software Laboratory • Power System Protection • Electrical Power Generation • Basics of Electrical and Electronics Engineering
viii.	Research guidance	0
	• No. of papers published in National/ International Journals/ Conferences	Journals: 03 Conferences:02
	• Master	0
	• Ph.D.	0
ix.	Projects Carried out	0

x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	0
xiii. No. of Books published with details	0

Profile of Faculty

i.	Name	Ankurbhai Harshadbhai Patel
ii.	Date of Birth	11/06/1988
iii.	Unique id	1-771285854
iv.	Education Qualifications	M.Tech, Phd Pursuing
v.	Work Experience	
	• Teaching	10 years 3 Month
	• Research	--
	• Industry	--
	• Others	--
vi.	Area of Specialization	Electrical Power System
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	<p>Bachelor of Technology</p> <ul style="list-style-type: none"> • Basics of Electronics & Electrical Engineering • Analog & Digital Electronics • Electrical Power System • Electrical Technology • Electrical Power Generation & Its Economics <p>Master of Technology</p> <ul style="list-style-type: none"> • Advanced Power Electronics in power system
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	3
	• Master	--
	• Ph.D.	--
ix.	Projects Carried out	--
x.	Patents	--
xi.	Technology Transfer	--
xii.	Research Publications	02 - International Journals 02 - International Conference
xiii.	No. of Books published with details	--

Profile of Faculty

i.	Name	kishan patel
ii.	Date of Birth	25-10-1986
iii.	Unique id	1-2191497418
iv.	Education Qualifications	Master in power system, PHD pursuing
v.	Work Experience	6 year and 5 month
	• Teaching	6 year and 5 month
	• Research	6 year and 5 month
	• Industry	-
	• Others	-
vi.	Area of Specialization	Electrical power system
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Basic of Electronics and Electrical Engineering (Undergraduate)
viii.	Research guidance	-
	• No. of papers published in National/ International Journals/ Conferences	4 papers in national journals.
	• Master	-
	• Ph.D.	-
ix.	Projects Carried out	1 research project completed with DRDO
x.	Patents	-
xi.	Technology Transfer	-
xii.	Research Publications	4
xiii.	No. of Books published with details	-

Profile of Faculty

i.	Name	Mihir R Patel
ii.	Date of Birth	17/09/1990
iii.	Unique id	1-2897018211
iv.	Education Qualifications	M.Tech (PhD Pursuing)
v.	Work Experience	
	• Teaching	10 Year
	• Research	-
	• Industry	-
	• Others	-
vi.	Area of Specialization	Electrical Power System
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Bachelor of Technology	
		<ul style="list-style-type: none"> • EE103 Basics of Electronics & Electrical Engineering • EE145 Basics of Electronics & Electrical Engineering • CE145 digital electronics • EE201.01 Control Engineering • EE281 Electrical Engineering Materials (University Elective) • EE307 Electrical Power System-III • EE402 Electrical Power System-IV • EE405 Power System Protection • EE414 Power System Operations (Institute Elective-I) • EE408 Power System Stability and Control • EE441 Power System Operation and Control • EE476 Advances in Power System • EE476.01 Advances in Power System • EE476.02 Advances in Power System
	Master of Technology	
		<ul style="list-style-type: none"> • EE746 Advance Power System Protection • EE744 Advanced Power System Dynamics and Stability
vii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	12 - International Journals
	• Master	07
	• Ph.D.	-
viii.	Projects Carried out	-
ix.	Patents	-
x.	Technology Transfer	-
xi.	Research Publications	12 - International Journals 01 - International Conference
xii.	No. of Books published with	-

details

Profile of Faculty

i.	Name	Jigneshkumar Subhashbhai Patel
ii.	Date of Birth	16/07/1992
iii.	Unique id	1-2896958428
iv.	Education Qualifications	M.E. Power System Engineering (Ph. D. Pursuing)
v.	Work Experience	7 years
	• Teaching	7 years
	• Research	-
	• Industry	-
	• Others	-
vi.	Area of Specialization	Microcontrollers, Power System Protection, Power Electronics
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	EE206 Digital Electronics & Microprocessor EE303.01 Microcontroller & Application EE307 Electrical Power System - III EE308.01 High Voltage Engineering EE310 Programmable Logic Controllers and Industrial Automation EE311 Simulation Lab EE418 Applications of Advanced Microcontrollers in Electrical Engineering -I EE419 Applications of Advanced Microcontrollers in Electrical Engineering -II EE283 Python For Electrical Engineering IT143 Fundamental of Computer Programming EE145 Basics of Electronics and Electrical Engineering EE246 Microprocessor & Microcontroller IT250 Digital Electronics EE284 Python Programming EE288 - Maintenance Of Household Apparatus EE347 Programmable Logic Controllers & Industrial Automation EE371 ADVANCED MICROCONTROLLERS CE391 Python for Data Analytics EE444 Simulation Lab HS131A Creativity Problem Solving and Innovation FS101A Foundation Course on Mathematics and Physics
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	3
	• Master	1
	• Ph.D.	0
ix.	Projects Carried out	0

x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	3
xiii. No. of Books published with details	0

Profile of Faculty

i.	Name	MIHIR SIDDHARTH MEHTA
ii.	Date of Birth	07-10-1988
iii.	Unique id	1-2896953030
iv.	Education Qualifications	M.E. , PhD (pursuing)
v.	Work Experience	09 Years
	• Teaching	09 Years
	• Research	--
	• Industry	--
	• Others	--
vi.	Area of Specialization	Electrical Power Systems, Renewable Energy
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	<p>POST GRADUATE LEVEL</p> <ul style="list-style-type: none"> • EE741 - Modelling and Simulation of Electrical Machines • EE766 - Power Quality • EE763 - Modeling And Simulation Of Renewable Energy Sources <p>UNDER GRADUATE LEVEL</p> <ul style="list-style-type: none"> • EE101 - Fundamentals Of Electrical & Electronics Engineering • EE102 - Fundamentals Of Electrical Engineering • EE145 - Basics Of Electronics & Electrical Engineering • HS133 A - Creativity, Problem Solving And Innovation • EE218 - Computer Programming for Electrical Engineering • EE286 - Computer Programming for Electrical Engineering • EE283 - Python for Electrical Engineering • EE306.01 - Electrical Machines-III • EE312 - Simulation Lab-II • EE376 - Special Electrical Machines • EE401.01 - Electrical Machines - I • EE406 - Electrical Machine Design-II • EE406.01 - Electrical Machine Design-II • EE443 - Electrical Machine Design
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	02 - International Conference 02 - Journals 01 - Under Review
	• Master	01
	• Ph.D.	--
ix.	Projects Carried out	01

x. Patents	--
xi. Technology Transfer	--
xii. Research Publications	04
xiii. No. of Books published with details	--

i. Name	PANCHAL VIJAYKUMAR RAMANLAL
ii. Date of Birth	16/01/1973
iii. Unique id	1-2739529220
iv. Education Qualifications	PhD
v. Work Experience	
• Teaching	26 years
• Research	4.5 years
• Industry	1.5 years
• Others	--
vi. Area of Specialization	Structural Engineering
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engineering Mechanics, Elements of Civil Engineering, Strength of Materials, Mechanics of Solids, Structural Analysis - I, Structural Analysis - II, Structural Analysis - III, Design of Structures - I, Design of Steel Structures, Design of Concrete Structures, Introduction to Structural Design, Earthquake Engineering, Design of Buildings for Wind and Earthquake Effects, Solid Mechanics and Aero Structures - I
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	91
• Master	Guided 152 students
• Ph.D.	Guiding 09 PhD students
ix. Projects Carried out	--
x. Patents	--
xi. Technology Transfer	--
xii. Research Publications	103
xiii. No. of Books published with details	01 Mechanics of Solids Atul Prakashan, Ahmedabad

i. Name	Hiteshri Shastri
ii. Date of Birth	5 th April 1979
iii. Unique id	1-441782957
iv. Education Qualifications	ME Civil(Water Resources Engineering), PhD- Hydroclimatology
v. Work Experience	
• Teaching	17
• Research	04
• Industry	0
• Others	00
vi. Area of Specialization	Water Resources Engineering, Hydroclimatology
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Water Resources Engineering, Hydrology and ground water hydraulics, Surveying, Remote Sensing, Geographical Information System, Engineering Mechanics, Material Science, Fundamentals of Civil Engineering, Sensor technology application in civil Engineering, Disaster management using Remote sensing and GIS, Fluid Mechanics, Finite Element Methods, Applied Statistics
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	30+
• Master	03
• Ph.D.	03 (Pursuing)
ix. Projects Carried out	03
x. Patents	00
xi. Technology Transfer	00
xii. Research Publications	03
xiii. No. of Books published with details	02 1.Hiteshri Shastri, Material Science – Gujarati , Mahajan Publication House, Ahmedabad, Gujarat, India. 2006. (ISBN 81- 89050-52-4) 2.Hiteshri Shastri, Material Science – English, Mahajan Publication House, Ahmedabad, Gujarat, India. 2007. (ISBN 81- 89050-83-4)

i. Name	Dr. Prabhin Sukumaran
ii. Date of Birth	26-April-1984
iii. Unique id	1-1412857761
iv. Education Qualifications	Ph.D.
v. Work Experience	
• Teaching	08
• Research	06
• Industry	00
• Others	00
vi. Area of Specialization	Applied Geology
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engineering Geology, Creativity Problem solving and Innovation
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	17
• Master	00
• Ph.D.	00
ix. Projects Carried out	00
x. Patents	00
xi. Technology Transfer	
xii. Research Publications	13
xiii. No. of Books published with details	00

i. Name	Mitali Vedanti
xiv. Date of Birth	07/04/1983
xv. Unique id	1-441783151
xvi. Education Qualifications	M.E. (Environmental Engineering)
xvii. Work Experience	
• Teaching	12
• Research	-
• Industry	-
• Others	-
xviii. Area of Specialization	Environmental Engineering
xix. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Environmental Sciences, Environmental Engineering, Environmental Pollution and Control, Material Science, Water Resources Engineering, Fluid Mechanics, Hydrology and Groundwater Hydraulics, Concrete Technology, Fundamentals of Civil Engineering, Water Resources Engineering and Management, Air Pollution and Control
xx. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	-
• Master	-
• Ph.D.	-
xxi. Projects Carried out	-
xxii. Patents	-
xxiii. Technology Transfer	-
xxiv. Research Publications	-
xxv. No. of Books published with details	-

i. Name	Jay Kiritkumar Bhavsar
xxvi. Date of Birth	23/02/1982
xxvii. Unique id	1-475848793
xxviii. Education Qualifications	M.Tech Civil –Structural Engineering
xxix. Work Experience	
• Teaching	13
• Research	7
• Industry	7
• Others	-
xxx. Area of Specialization	Civil -Structural Engineering, Concrete Technology
xxxi. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Basics of Civil Engineering, Engineering Mechanics, Mechanics of Solids, Strength of Material, Surveying, Advance Surveying, Structure Analysis, Concrete Technology, Building Repair and Rehabilitation, Design of Reinforced Concrete, Estimation and Costing, Bridge Engineering, Design Practice
xxxii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	12
• Master	13
• Ph.D.	-
xxxiii. Projects Carried out	-
xxxiv. Patents	-
xxxv. Technology Transfer	-
xxxvi. Research Publications	12
xxxvii. No. of Books published with details	-

i. Name	Neha Hirensinh Rajput
xxxviii. Date of Birth	16/01/1985
xxxix. Unique id	1-441783572
xl. Education Qualifications	M.E. (Structural Engineering), Ph.D (Pusuing)
xli. Work Experience	
• Teaching	13 years
• Research	
• Industry	
• Others	
xlii. Area of Specialization	Structural Dynamics & Earthquake Engineering, Design of RC & Steel Structures
xliii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engineering Mechanics , Mechanics of Solids, Elements of Civil Engineering, Strength of Materials, Structural Analysis-I, Structural Analysis-II, Design of RC & Steel Structures, Structural Dynamics & Earthquake Engineering, Design of Tall Structures
xliv. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	10
• Master	Guided 11 students
• Ph.D.	-
xlv. Projects Carried out	-
xlvi. Patents	-
xlvii. Technology Transfer	-
xlviii. Research Publications	-
xlix. No. of Books published with details	-

i. Name	Dipali Patel
l. Date of Birth	28 December 1987
li. Unique id	1-441934762
lii. Education Qualifications	M. Tech (Structure), B.E (Civil)
liii. Work Experience	
• Teaching	10 yrs
• Research	-
• Industry	-
• Others	-
liv. Area of Specialization	Structural Engineering
lv. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Fundamentals of Civil Engineering, Mechanics of Solids, Structural Analysis I, II, III, Advanced Structural Analysis, Finite Element Analysis, Design Practices II, Stability Analysis, Design of Structures, Building Construction, Building Planning, Fluid Mechanics I and II, Transportation Engineering
lvi. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	10
• Master	12
• Ph.D.	-
lvii. Projects Carried out	-
lviii. Patents	-
lix. Technology Transfer	-
lx. Research Publications	3
lxi. No. of Books published with details	-

i. Name	Pinal Patel
Ixii. Date of Birth	27 th August 1976
Ixiii. Unique id	1-1412857715
Ixiv. Education Qualifications	M.E. (Structural Engineering)
Ixv. Work Experience	
• Teaching	13
• Research	00
• Industry	0.9
• Others	00
Ixvi. Area of Specialization	Structural Analysis
Ixvii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engineering Mechanics , Mechanics of Solids, Structural Analysis-I, Structural Analysis-II, Structural Analysis-III, Advanced structural Analysis and Building Services ,Elements of Engineering etc.
Ixviii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	01
• Master	00
• Ph.D.	
Ixix. Projects Carried out	00
Ixx. Patents	00
Ixxi. Technology Transfer	00
Ixxii. Research Publications	00
Ixxiii. No. of Books published with details	00

i. Name	Vyas VipulKumar Harshadbhai
ii. Date of Birth	27/03/1985
iii. Unique id	1-2187368726
iv. Education Qualifications	M.E CASAD
iv. Work Experience	
• Teaching	9 years
• Research	-
• Industry	-
• Others	-
v. Area of Specialization	Structural Engineering
vi. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engineering Mechanics, Building Repair and Rehabilitation, Strength of Materials, Mechanics of Solids, Structural Analysis - I, Structural Analysis II, Design of Steel Structures, Earthquake Engineering, Building Construction and Technology, Design of Composite Structures, Concrete Technology, Advanced Surveying, Design Practice-I, Structural Dynamics and Earthquake Engineering, Surveying, Design of Tall Structures, Elements of Civil Engineering, Environmental Science, Basics of Civil and Mechanical Engineering
vii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	12
• Master	10 students
• Ph.D.	-
viii. Projects Carried out	--
ix. Patents	--
x. Technology Transfer	--
xi. Research Publications	02
xii. No. of Books published with details	-

i. Name	Gargi Ray
lxxiv. Date of Birth	20/11/1985
lxxv. Unique id	1-11096489741
lxxvi. Education Qualifications	M.Tech (Construction Project Management), B.Tech (Civil Construction)
lxxvii. Work Experience	
• Teaching	11 years
• Research	-
• Industry	1.5 years
• Others	-
lxxviii. Area of Specialization	Construction Project Management
lxxix. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Environmental Science, Fundamentals of Civil Engineering, Building Construction Technology, Building Planning, Infrastructure Management, Building Services, Urban & Town Planning, Construction Technology, Advanced Construction Technology, Construction Project Management, Professional Practices, Green Built Environment, Construction Engineering Materials
lxxx. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	02
• Master	-
• Ph.D.	-
lxxxi. Projects Carried out	-
lxxxii. Patents	-
lxxxiii. Technology Transfer	-
lxxxiv. Research Publications	-
lxxxv. No. of Books published with details	-

i. Name	Megha Desai
ii. Date of Birth	21 st October 1984
iii. Unique id	1-2187499823
iv. Education Qualifications	M.E. (Construction Engineering Management)
v. Work Experience	
• Teaching	11
• Research	00
• Industry	00
• Others	00
vi. Area of Specialization	Construction Engineering Management
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Construction Project management, Construction Technology, Construction Engineering Material, Advanced Construction Technology, Building Construction Technology, Green Built Environment, Building Planning,
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	-
• Master	-
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	-
xiii. No. of Books published with details	-

i. Name	Devang Ghanshyambhai Patel
xiv. Date of Birth	20/11/1988
xv. Unique id	1-2298169259
xvi. Education Qualifications	M.E Transportation System Engineering
xvii. Work Experience	6 years
• Teaching	6 years
• Research	-
• Industry	-
• Others	-
xviii. Area of Specialization	Road Safety, Highway Material Testing
xix. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Basics of Civil Engineering, Engineering Mechanics, Mechanics of Solid, Concrete Technology, Building Planning, Town Planning, Highway Engineering, Basic Transportation Systems, Urban Transportation System, Advanced Highway and Traffic Engineering, Transport Project Planning and Evaluation
xx. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	1
• Master	-
• Ph.D.	-
xxi. Projects Carried out	
xxii. Patents	0
xxiii. Technology Transfer	0
xxiv. Research Publications	0
xxv. No. of Books published with details	0

i. Name	Mehulkumar Katakiya
ii. Date of Birth	1st August 1992
iii. Unique id	1-2739529212
iv. Education Qualifications	M.Tech. (Geotechnical Engineering)
v. Work Experience	
• Teaching	08
• Research	00
• Industry	00
• Others	00
vi. Area of Specialization	Geotechnical Testing, Geo-environmental Engineering
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Geotechnical Engineering - I, Geotechnical Engineering - II, Professional Practices, Engineering Mechanics and Environmental Science ,etc.
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	04
• Master	03
• Ph.D.	
ix. Projects Carried out	00
x. Patents	00
xi. Technology Transfer	00
xii. Research Publications	02
xiii. No. of Books published with details	00

i.	Name	Kanchal Dave
ii.	Date of Birth	07 November 1991
iii.	Unique id	1-2898893296
iv.	Education Qualifications	M.E.(Transportation Engineering), Ph.D pursuing
v.	Work Experience	
	• Teaching	8.5
	• Research	-
	• Industry	-
	• Others	-
vi.	Area of Specialization	Transportation engineering, Highway and traffic engineering
vii.	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Surveying, Fluid Mechanics, Highway Engineering, Traffic Engineering, Urban Transportation Planning, Infrastructure management, Urban Town Planning
viii.	Research guidance	
	• No. of papers published in National/ International Journals/ Conferences	03
	• Master	-
	• Ph.D.	-
ix.	Projects Carried out	-
x.	Patents	-
xi.	Technology Transfer	-
xii.	Research Publications	03
xiii.	No. of Books published with details	-

i. Name	Gaurav Vilas Kapse
ii. Date of Birth	12/12/1990
iii. Unique id	1-3366087462
iv. Education Qualifications	M. Tech
v. Work Experience	
• Teaching	5.5 Years
• Research	
• Industry	0
• Others	0
vi. Area of Specialization	Environmental Science & Engineering
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Environmental Sciences, Environmental Sustainability & Climate Change, Basics of Environmental Impact Assessment, Geology for Civil Engineers, Creativity Problem Solving & Innovation, Environmental Engineering-I & II, Air Pollution Control, Environmental Pollution & Control, etc.
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	5
• Master	-
• Ph.D.	-
ix. Projects Carried out	1
x. Patents	1
xi. Technology Transfer	0
xii. Research Publications	1
xiii. No. of Books published with details	-

i. Name	NIRPEX AMRUTLAL PATEL
ii. Date of Birth	May 28, 2023
iii. Unique id	1-9312293051
iv. Education Qualifications	M.Tech (Computer Aided Structural Analysis and Design)
v. Work Experience	
• Teaching	8 Years
• Research	8 Years
• Industry	0
• Others	0
vi. Area of Specialization	Computer Aided Structural Analysis and Design
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Finite Element Analysis Design of Composite Structures Bridge Engineering Design of Tall Structures Design of Prestressed Concrete Structures Design of Steel Structures Design of Reinforced Concrete Structures Mechanics of Solids Architectural Design of Facilities Fluid Mechanics Strength of Materials Engineering Mechanics Structural Analysis - II Design Practices - I & II Basics of Civil and Mechanical Engineering Transportation Engineering
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	8
• Master	16
• Ph.D.	0
ix. Projects Carried out	0
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	8
xiii. No. of Books published with details	0

i. Name	Jaydeep Nilesbhai Desai
ii. Date of Birth	18/06/1992
iii. Unique id	1-2898993842
iv. Education Qualifications	M.E. in Construction Engineering & Management B. Tech. in Civil Engineering
v. Work Experience	05 Years
• Teaching	05 years
• Research	—
• Industry	—
• Others	—
vi. Area of Specialization	Construction Engineering & Management
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	—
viii. Research guidance	—
• No. of papers published in National/ International Journals/ Conferences	02
• Master	
• Ph.D.	
ix. Projects Carried out	NILL
x. Patents	NILL
xi. Technology Transfer	NILL
xii. Research Publications	NILL
xiii. No. of Books published with details	NILL

i. Name	Ankit J. Wankawala
ii. Date of Birth	20/03/1991
iii. Unique id	1-3188688984
iv. Education Qualifications	M.E Structural Engineering
v. Work Experience	
• Teaching	05 Years
• Research	--
• Industry	06 Months
• Others	--
vi. Area of Specialization	Structural Engineering
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate and Post Graduate
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	--
• Master	02
• Ph.D.	--
ix. Projects Carried out	--
x. Patents	--
xi. Technology Transfer	--
xii. Research Publications	02
xiii. No. of Books published with details	--

i. Name	Ms. Saraswati Pathariya
ii. Date of Birth	10/02/1993
iii. Unique id	1-3355389102
iv. Education Qualifications	M.Tech.
v. Work Experience	
• Teaching	3.5
• Research	0
• Industry	0
• Others	0
vi. Area of Specialization	Geotechnical Engineering, Surveying, Civil Engineering
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engineering Mechanics, Environmental Sciences, Basics of Mechanical and Civil Engineering, Geotechnical Engineering, Advanced Geotechnical Engineering, Surveying, Building Construction, Material Science and Technology
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	04
• Master	0
• Ph.D.	0
ix. Projects Carried out	0
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	0
xiii. No. of Books published with details	0

i. Name	Renu Koshy
ii. Date of Birth	02-12-1987
iii. Unique id	1-4358077673
iv. Education Qualifications	PhD(Pursuing), M.E (Construction & Management), B.E. (Civil)
v. Work Experience	
• Teaching	09 Yrs
• Research	-
• Industry	-
• Others	-
vi. Area of Specialization	Construction & Management
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Engineering Mechanics, Environmental Studies, Elements in Civil Engineering, Strength of Materials, Mechanics of Solids Practicals, Surveying, Geotechnical Engineering I Practicals, Advanced Surveying, Fluid Mechanics II, Advanced Construction Technology, Architectural Design of Facilities, Material Science, Advanced Construction Equipment, Construction Management, Professional Practices
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	02 (IJEIT, CECR)
• Master	-
• Ph.D.	-
ix. Projects Carried out	-
x. Patents	-
xi. Technology Transfer	-
xii. Research Publications	-
xiii. No. of Books published with details	-

i. Name	Mr. BHARGAV BHARATBHAI SHOBHANA
ii. Date of Birth	16/03/1993
iii. Unique id	1-4358077636
iv. Education Qualifications	PhD (Pursuing), Masters in Structural Engineering, Bachelors in Civil Engineering
v. Work Experience	
• Teaching	6 years
• Research	-
• Industry	10 months
• Others	2 years part time teaching assistant
vi. Area of Specialization	Structural Engineering
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Under Graduate: Structural Dynamics and Earthquake Engineering, Professional Practices, Elements of Engineering, Basics of Civil and Mechanical Engineering, Creativity, Problem Solving and Innovation, Post Graduate: Advanced Structural Analysis, Design Practice-I Design Practice-II Structural Dynamics and Earthquake Engineering,
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	08
• Master	-
• Ph.D.	-
ix. Projects Carried out	1
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	0
xiii. No. of Books published with details	0

i. Name	Prakash J Dabhi
ii. Date of Birth	22.07.60
iii. Unique id	1-441782810
iv. Education Qualifications	M. Tech.
v. Work Experience	
• Teaching	20 yrs
• Research	00 yrs
• Industry	12 yrs
• Others	
vi. Area of Specialization	Envier. Engg.
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post GraduateDiploma Level	Eng. Mechanics, Fundamental of civil egg ,Eng. Drg, Basic Envier, Water supply engg, Sanitary engg, Material science,
viii. Research guidance	--
• No. of papers published in National/ International Journals/ Conferences	2
• Master	--
• Ph.D.	--
ix. Projects Carried out	--
x. Patents	---
xi. Technology Transfer	---
xii. Research Publications	--
xiii. No. of Books published with details	--

i. Name	Dr. Dipeshkumar Sonaviya
ii. Date of Birth	02 May 1989
iii. Unique id	1-11035170941
iv. Education Qualifications	Ph.D.
v. Work Experience	09 Year
• Teaching	4.5
• Research	3.5
• Industry	1
• Others	-
vi. Area of Specialization	Noise Pollution
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	NA
viii. Research guidance	NA
• No. of papers published in National/ International Journals/ Conferences	11
• Master	-
• Ph.D.	Yes
ix. Projects Carried out	NA
x. Patents	NA
xi. Technology Transfer	NA
xii. Research Publications	11
xiii. No. of Books published with details	NA

i. Name	Ms. Hemangi Gaurangbhai Oza
ii. Date of Birth	02/11/1996
iii. Unique id	Not Applicable
iv. Education Qualifications	M. Tech Environmental Engineering
v. Work Experience	2 Years
• Teaching	1 Yrs.
• Research	8 Months
• Industry	0
• Others	8 Months - consultancy
vi. Area of Specialization	Wastewater engineering, Solid waste management.
vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Solid waste management, Advance wastewater treatment, Environmental Science, Environmental Legislation, Waste management in smart cities.
viii. Research guidance	
• No. of papers published in National/ International Journals/ Conferences	2
• Master	1
• Ph.D.	0
ix. Projects Carried out	1
x. Patents	0
xi. Technology Transfer	0
xii. Research Publications	0
xiii. No. of Books published with details	0

8. Fees

Details of fee, as approved by State Fee Committee, for the Institution	Yes
Time schedule for payment of fee for the entire programme	Per Semester
No. of Fee waivers granted with amount and name of students	11, Rs.4,45,500/-
Number of scholarships offered by the Institution, duration and amount	29, Rs. 36,46,000/-
Estimated cost of Boarding and Lodging in Hostels	Rs.80,000/- per year

9. Admission

Number of seats sanctioned with the year of approval	600
Number of Students admitted under various categories each year in the last three years	2021 - 504 2022 - 495 2023 - 584

10. Admission Procedure

Mention the admission test being followed, name and address of the Test Agency and its URL	As per Admission Committee for Professional Courses, Gov. Of Gujarat
Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test)	
Calendar for admission against Management/vacant seats:	
Last date of request for applications	
Last date of submission of applications	
Dates for announcing final results	
Release of admission list (main list and waiting list shall be announced on the same day)	
Date for acceptance by the candidate (time given shall in no case be less than 15 days)	
Last date for closing of admission	
Starting of the Academic session	
The waiting list shall be activated only on the expiry of date of main list	
The policy of refund of the fee, in case of withdrawal, shall be clearly notified	

11. Criteria and Weightages for Admission

Describe each criterian with its respective weightages i.e. Admission Test, marks in qualifying examination etc.	As per Admission Committee for Professional Courses, Gov. Of Gujarat
Mention the minimum level of acceptance, if any	
Mention the cut-off levels of percentage and percentile score of the candidates in the admission test for the last three years	
Display marks scored in Test etc. and in aggregate for all candidates who were admitted.	

12. Information of Infrastructure and Other Resources Available

Number of Class Rooms and size of each	35 3190 Sq m
Number of Tutorial rooms and size of each	17 1120 Sq m
Number of Laboratories and size of each	71 7096 Sq m
Number of Drawing Halls with capacity of each	2 with 60 the capacity of students each
Number of Computer Centres with capacity of each	2 with 60 computers each
Central Examination Facility, Number of rooms and capacity of each	Available
Barrier Free Built Environment for disabled and elderly persons	Available
Occupancy Certificate	Available
Fire and Safety Certificate	Available
Hostel Facilities	Available

13. Library

Number of Library books/ Titles/ Journals available (program-wise)	Volume: 35000+ Title: 17000+
List of online National/ International Journals subscribed	Online International: 786, Print Journals: 142
E- Library facilities	Available

14. Laboratory and Workshop (AIML)

List of Major Equipment/Facilities in each Laboratory/ Workshop	Lab no: 325 (Motorola Lab) Total Computers - 40 (All in One - HP) Working Computers - 40 Smart Board - 1 (View Sonic) AC - 5
List of Experimental Setup in each Laboratory/ Workshop	Software Installation for the lab work – <ul style="list-style-type: none"> - Python - Nvidia Cuda - Anaconda – Jupyter Notebook - Cisco Packet Tracer - VS Code Visual Studio 2017

• Laboratory and Workshop (CE)

List of Major Equipment/Facilities in each Laboratory/ Workshop	<p>1. <input type="checkbox"/> High-speed computers and servers</p> <ul style="list-style-type: none"> <input type="checkbox"/> Networking equipment (routers, switches, firewalls) <input type="checkbox"/> High-resolution monitors <input type="checkbox"/> Printers and scanners <input type="checkbox"/> High-resolution projector
List of Experimental Setup in each Laboratory/ Workshop	<p>1. Software Development Lab:</p> <p>Setup: MS Visio, Jira, Jenkins, Version control systems, software project management tools, continuous integration platforms.</p> <p>Experiments: Software design and modeling, version control practices, software testing, agile practices.</p> <p>2. High Performance and Cloud Computing Lab:</p> <p>Setup: High-speed computers with IDEs (Integrated Development Environments) like Eclipse, Visual Studio, PyCharm, etc.</p> <p>Experiments: Coding assignments in various languages (Java, Python, C++, etc.), data structures and algorithms implementations.</p> <p>3. Network Research Lab:</p> <p>Setup: Routers, switches, firewalls, network cables, wireless access points, and network simulation software.</p> <p>Experiments: Network configuration, routing algorithms, packet sniffing, firewall setups, and simulations.</p> <p>4. Information and Network Security Research Lab:</p> <p>Setup: Secure isolated network environments, virtual machines, and penetration testing tools like Kali Linux, and Wireshark.</p> <p>Experiments: Ethical hacking, vulnerability scanning, intrusion detection system setup, cryptography tasks.</p> <p>5. Internet of Things and Embedded Software Research Lab:</p> <p>Setup: Microcontrollers (e.g., Arduino, Raspberry Pi), sensors, actuators, IoT platforms.</p> <p>Experiments: Developing IoT applications, integrating sensors and actuators, and embedded programming.</p> <p>6. System Software and OS Lab:</p> <p>Setup: Computers with multiple OS installations (e.g., Linux, Windows, MacOS) or virtualization software.</p> <p>Experiments: OS command tasks, process management, memory management, shell scripting.</p> <p>7. Big Data Analytics Research lab:</p> <p>Setup: Cloudera, Hadoop, Flume, Spark, Kafka, Power-Bi, Neo4j, MongoDB, Cassandra.</p> <p>Experiments: File management with HDFS, Query process with SQL and Spark SQL, PIG Latin, Spark Streaming, Data Lakes with Kafka.</p> <p>8. Big Data Analytics Research lab:</p> <p>Setup: Cloudera, Hadoop, Flume, Spark, Kafka, Power-Bi, Neo4j, MongoDB, Cassandra.</p> <p>Experiments: File management with HDFS, Query process with SQL and Spark SQL, PIG Latin, Spark Streaming, Data Lakes with Kafka.</p>

9. Mobile Application Development lab:

Setup: Mobile device emulators, and mobile development environments (e.g., Android Studio, Xcode).

Experiments: Mobile app development, user interface design, mobile hardware integration.

10. FIRST YEAR LAB:

Setup: High-speed computers with IDEs (Integrated Development Environments) like Eclipse, Visual Studio, PyCharm, etc.

Experiments: Coding assignments in various languages (Java, Python, C++, etc.).

11. ICT LAB:

Setup: High-speed computers with IDEs (Integrated Development Environments) like Eclipse, Visual Studio, PyCharm, etc.

Experiments: Coding assignments in various languages (Java, Python, C++, etc.), data structures and algorithms implementations.

• Laboratory and Workshop (Civil)

List of Major Equipment/Facilities in each Laboratory/ Workshop

1. Consolidation Apparatus
2. Aqua II Plus Resistivity Meter
3. Surfer -12 & Global Mapper 16 Software
4. Triaxial Test Apparatus
5. Direct Shear Test Apparatus

List of Experimental Setup in each Laboratory/ Workshop

1. Moisture Content by Oven Drying Method
2. In Situ Density by Core Cutter Method
3. In Situ Density by Sand Replacement Method
4. Liquid Limit & Plastic Limit Tests
5. Shrinkage Limit Test
6. Specific Gravity by Pycnometer Method
7. Sieve Analysis
8. Hydrometer Analysis
9. Direct Shear Test
10. Standard Penetration Test
11. Unconfined Compression Test
12. Laboratory Vane Shear Test
13. Plate Load Test
14. Static Cone Penetration Test
15. Light Weight Compaction Test
16. Heavy Weight Compaction Test
17. Free Swell Index Test
18. Relative Density Test
19. California Bearing Ratio Test
20. Triaxial Test

- Structural Analysis Laboratory:**

List of Major Equipment/Facilities in each Laboratory/ Workshop	<ol style="list-style-type: none"> Bending Stress in Beam - STR 5 Pin Jointed Frameworks - STR 8 Continuous and Indeterminate Beams - STR 13 Plastic Bending of Portals - STR 16 Redundant Truss - STR 17 Bending Moments in a Portal Frame - STR 20 Beam Apparatus - SM 1004
List of Experimental Setup in each Laboratory/ Workshop-	<ol style="list-style-type: none"> Continuous and Indeterminate beam Pin jointed frameworks Frame deflections and reactions Bending moments in a portal frame Deflection of Beams Buckling of Struts Three Pinned Arch Two Pinned Arch Torsion of Circular sections Simple Suspension Bridge Plastic Bending of Beams Plastic Bending of Portals Redundant Truss

- Environmental Engineering Laboratory:**

List of Major Equipment/Facilities in each Laboratory/ Workshop	<ol style="list-style-type: none"> Autoclave :107100.00(13/09/2010) UV Visible Spectrophotometer: 358776.36(20/10/2012) Fine particulate Sampler: 132725.00(12/05/2012) Gas Chromatograph:1304500.00(04/06/2014) Portable Flue Gas Analyzer:121000.00(04/10/2016) Clod Cabinate: 114400.00(02/11/2018) DR 6000UV VIS Spectrophotometer:500000.00(29/10/2020) Fine particulate Sampler(2.5 pm): 100002.00(14/10/2020)
List of Experimental Setup in each Laboratory/ Workshop	NIL

- Material Testing Laboratory:**

List of Major Equipment/Facilities in each Laboratory/ Workshop	<ol style="list-style-type: none"> Universal Testing Machine Digital Impact Tester Rockwell hardness Tester
List of Experimental Setup in each Laboratory/ Workshop	<ol style="list-style-type: none"> Tensile Test: Compression Test: Charpy Impact Test: Izod Impact Test: Rockwell Hardness Test Transverse test

- Concrete Technology:**

List of Major Equipment/Facilities in each Laboratory/ Workshop	<ol style="list-style-type: none"> Compression Testing Machine Auto pace rate control 2000kN Capacity, EIE Instrument Humidity Chamber (Temperature and humidity control chamber for cement test), Tirht Enterprise, Ahmedabad Facilities: All basic test equipment for cement, aggregates and concrete testing.
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- Software Laboratory:**

List of Major Equipment/Facilities in each Laboratory/ Workshop	<ol style="list-style-type: none"> 1. STAAD.Pro V8i 2. ANSYS 3. MATLAB
• Transportation Engineering Laboratory:	
List of Major Equipment/Facilities in each Laboratory/ Workshop	<ol style="list-style-type: none"> 1. Marshal Stability Apparatus with automatic compactor
List of Experimental Setup in each Laboratory/ Workshop	
	<ol style="list-style-type: none"> 1. Determine crushing strength of a given aggregates. 2. Determine the abrasion value of given aggregate sample by conducting Los Angeles Abrasion 3. Determine the aggregate impact value of given aggregate as per I.S-2386 Part IV. 4. Determine the flakiness Index of a given aggregates sample. 5. Determine the Elongation index of a given aggregates sample. 6. Determine the Angularity Number of the given aggregate sample 7. Determine the specific gravity and water absorption of aggregate. 8. Determine the penetration grade of a given binder. 9. Determine the ductility of bitumen binder used in pavement construction. 10. Determine the flash and fire point of a given bituminous material. 11. Determine the softening point of given paving bitumen as per IS: 1205. 12. Determine the Specific gravity of given Bituminous material.
• Earthquake Engineering Laboratory:	
List of Major Equipment/Facilities in each Laboratory/ Workshop	<ol style="list-style-type: none"> 1. Horizontal Shake Table with Eccentric CAM (Harmonic Base Motion) 2. Horizontal Shake Table with Cylindrical CAM (Non-Harmonic Base Motion) 3. Vertical Shake Table 4. Servo Shake Table
List of Experimental Setup in each Laboratory/ Workshop	<ol style="list-style-type: none"> 1. Data Acquisition Software 2. Shake Table Instrumentation 3. Experimental Models
• Surveying Laboratory:	
List of Major Equipment/Facilities in each Laboratory/ Workshop	<ol style="list-style-type: none"> 1. Total Station and Digital Theodolite
List of Experimental Setup in each Laboratory/ Workshop	<ol style="list-style-type: none"> 1. Signs and Symbols 2. Profile Levelling 3. Traversing using Theodolite and Total station 4. Plane Table Survey 5. Setting Out Simple Circular Curve using Total station 6. Setting Out Building 7. Indirect Method of Contouring. 8. Theodolite Traversing (Gale's Traverse Survey)

- Laboratory and Workshop (CSE)**

List of Major Equipment/Facilities in each Laboratory/ Workshop

HP ALL IN ONE PCS: 24 NOS

- CORE i5 10th GEN COMMERCIAL PC
- HP PROONE 400 G624 ALL IN ONE PC
- 16GB-DDR4 RAM
- 1 TB HDD
- LED/BT/WIFI/TPM2.0CHIP

1 OPTOMA PROJECTOR

OPTOMA W400LVe PROJECTOR

HP ALL IN ONE PCS: 24 NOS

- CORE i5 10th GEN COMMERCIAL PC
- HP PROONE 400 G624 ALL IN ONE PC
- 16GB-DDR4 RAM
- 1 TB HDD
- LED/BT/WIFI/TPM2.0CHIP

1 OPTOMA PROJECTOR

- OPTOMA W400LVe PROJECTOR

SWITCH

- DIGISOLE 24 PORT MANAGEBLE SWITCH
(2)

DIGISOLE 8 PORT UNMANAGEBLE SWITCH (1)

HP ALL IN ONE PCS: 24 NOS

- CORE i5 10th GEN COMMERCIAL PC
- HP PROONE 400 G624 ALL IN ONE PC
- 16GB-DDR4 RAM
- 1 TB HDD
- LED/BT/WIFI/TPM2.0CHIP

OPTOMA PROJECTOR: 1NOS

- OPTOMA W400LVe PROJECTOR

SWITCH

DIGISOLE 24 PORT MANAGEBLE SWITCH (3)

HP ALL IN ONE PCS: 24 NOS

- CORE i5 10th GEN COMMERCIAL PC
- HP PROONE 400 G624 ALL IN ONE PC
- 16GB-DDR4 RAM
- 1 TB HDD
- LED/BT/WIFI/TPM2.0CHIP

OPTOMA PROJECTOR: 1NOS

OPTOMA W400LVe PROJECTOR

Viewsonic Smart Board: 1 NO

- Panel Size: 75" with 4K Resolution
- Panel Type: TFT LCD Module with DLED Backlight.
- Resolution: UHD 3840x2160 (Pixels)
- With OPS i5/8GB RAM/256 GB SSD/Wind 10 Pro
- Dual Operating System Support Android and Windows

Viewsonic Smart Board: 1 NO

- Panel Size: 75" with 4K Resolution
- Panel Type: TFT LCD Module with DLED Backlight.
- Resolution: UHD 3840x2160 (Pixels)
- With OPS i5/8GB RAM/256 GB SSD/Wind 10 Pro

Dual Operating System Support Android and Windows**RESEARCH SERVERS: 3 NOS**

- 2 x Intel Xeon 16 Core CPU
- Mother Board has a dual socket for a 2x16 Core CPU
- 2 x 64GB DDR4 ECC RAM (Total 128 GB)
- 1 x 2TB SATA Enterprise HDDs
- 1 x 240 GB SATA SSD
- NVIDIA RTX A5000 Graphics Card
- Unix Operating System / Windows Operating System
- NV Link for A5000 Graphics Card

Viewsonic Smart Board: 1 NO

- Panel Size: 86" with 4K Resolution
- Panel Type: TFT LCD Module with DLED Backlight.
- Resolution: UHD 3840x2160 (Pixels)
- With OPS i5/8GB RAM/256 GB SSD/Wind 10 Pro
- Dual Operating System Support Android and Windows

HP DESKTOP 400G2 MT PCS: 20 NOS

- INTEL CORE I7-4TH GEN
- 16GB-DDR3 RAM
- 1 TB HHD

Nvidia Jetson Nano Devloper Kits: 20 Nos.**Nvidia Xevier NX Devloper Kits: 3 Nos.****Tracking Camera System with Recording Facility****Audio System with an Amplifier having 2 way channels
2 WIFI ROUTER**

List of Experimental Setup in each Laboratory/ Workshop

- Perform Linux Commands for the following:
 - 1)Directory Oriented Commands(ls, mkdir, rmdir, cd, pwd, find, du, df)
 - 2)File Oriented Commands(cat, touch, cp, rm, mv, wc, file, cmp, rm)
 - 3)File Processing Commands(dd, expand, nl, tac, head, tail)
 - 4)General Purpose Commands(date, who, whoami, man, cal, tee, script, tput clear, split, expr)
- Managing Users and Groups in Linux.
 - Part (i):Create, delete and manage groups.
 - Part(ii):Manage Directory and File Permissions in linux
 - Part(iii):Add users in bulk in linux
- Add users:USER1:YOURNAME,USER2:MOTHER'S

NAME,USER3:FATHER'S NAME

- Configure passwords for all users
- Create Groups:CSE1,CSE2
- Make CSE1 as primary group for user1 and secondary group for user2 and user3
- Configure password aging for user2's password as 60 days,warning period of 3 days and inactive period of 30 days.
- Change login shell of user3 as /sbin/nologin
- Delete group CSE2
- **LOCK USER3**
- **UNLOCK USER3**
- Create and Manage physical, extended and logical Partitions in Linux.
- Implement Basic Shell Programming Commands.
- Write a Shell Program:
 - i)Accepts the name of a file from the standard input and perform the following tests on it:
 - a)File Existence
 - b)File Readable
 - c)File Writeable
 - d)Both Readable and writeable
- Implement the following CPU Scheduling Algorithms:
 - i)Shortest Remaining Time first Algorithm.
 - ii)Round Robin Algorithm
- Analyze the Time complexity and Space Complexity for SRTF and Round Robin CPU Scheduling Algorithm and plot the analysis.
- Implement following Disk Scheduling Algorithm:
 - i)SCAN
 - ii)C-LOOK
- Implement Page Replacement Algorithms:
 - i)FIFO

ii)LRU

- Apply attacks for cryptanalysis to decrypt the original message from a given cipher text using Caesar-Cipher .Soldier from field wants to send message to base. Implement the cipher to decrypt message.
- Decrypt message :KLURVKLPD for caesar cipher.
- Soldier from field wants to send message to base. Implement the cipher to decrypt message.Using Playfair,Decrypt the message:
BWPNRSMUALAW,Use key : pearlharbour
- The Rail Fence Cipher was invented in ancient times. It was used by the Greeks, who created a special tool, called scytale, to make message encryption and decryption easier. The letters are arranged in a way which is similar to the shape of the top edge of the rail fence. If king Leonidas want to send message to Sparta as "300 achieved glory at hot gate, unite for Greece" then what will be ciphertext

when it is encrypted using 3 rows. Also implement decryption of message.

- The transmission of information needs to be secure over the communication channel and the data has to be confidential. Study and implement the practical approach for Steganography.
- Configure Nmap (Network mapping tool) on Linux/Windows. Explore the various command for scanning your host/ips, ports and various services running on port.
- Prepare the document of at least 25 Nmap commands. Use the Nmap script and launch the DoS attack by flooding the packages in regular interval.
- Bob is going to send his encrypted file using public key shared by Alice using Public-key infrastructure. Alice will decrypt the file by using her private key and ensure the confidentiality.
- Implement the given scenario using RSA algorithm
 - In computers, Foot printing is the process of accumulating data regarding a specific network environment, usually for the purpose of finding ways to intrude into the environment. Foot printing can reveal system vulnerabilities and improve the ease with which they can be exploited. Use the given approach to implement Footprinting: Gathering Target Information making use of following tools:
 - Find out Web Application Vulnerability using OWASP-ZAP tool.
 - Implement hash function for the given Scenario.
 - Implement AES/DES for given plaintext.

i.

- To install Hadoop framework, configure it and setup a single node cluster. Use web based tools to monitor your Hadoop setup.
- To implement file management tasks in Hadoop HDFS and perform Hadoop commands.
- To implement Map, reduce, filter and lambda in python.
- To implement a word count application using the MapReduce programming model.
- To design and implement MapReduce algorithms to take a very large file of integers and produce as output as The largest integer
- To install and implement basic database operations in MongoDB. To implement basic CRUD operations (create, read, update, delete) in MongoDB.
- To design a dashboard using Google data studio.
- i. **To install, deploy & configure Apache Spark. To Select the fields from the dataset using Spark SQL.**

- 1. Introduction to CloudSim and Eclipse and implementation of Load Balancing Policy.**
- 2. Understanding Basic CloudSim functionalities.**
- 3. Creation of web server on AWS EC2 and hosting a simple webpage over EC2 instance.**
- 4. Hosting a static website on S3**
- 5. Implementing AWS IAM Policies.**
- 6. Implementing Container based Virtualization using Docker.**
- 7. Implementing the Concept of Machine Learning on AWS/Azure/GCP.**
- 8. Implementing Google Cloud SQL/Amazon RDS**
- 9. Case Study**
 - a. Paytm leveraged Amazon Aurora for high TPS.
 - b. Realtime Analytics using Apache Druid as a service on AWS.

- Install & Configure Visual Studio Code as an IDE, setup an environment for React by downloading Node.js and install React framework along with its packages. Understand the folder structure used by React and develop a “Hello World Application”.
- Implement React Routing for navigating 5 different webpages. Design a responsive navbar in ReactJS by using media queries, Material-UI/React- Bootstrap.
- Create React Sidebar Navigation Menu for a webpage. Implement the concept of React Hooks for backward compatibility and faster user experiences
- Create simple Application of React Todo List. Implement the concepts of useState, useEffect, props, useRef. Also use JavaScript functions for event handling.
- Design an attractive Login and Registration form using Material-UI. Use Validations to validate the errors and prompt the errors on the webpage.
- Perform Create, Read, Update and Delete Operations using Node.js, Express server and Mongo DB. Use React Framework for developing your user interface. Use Rest APIs, CORS for client-server communication.
- MERN stands for MongoDB, Express, React, Node and these four things added to make the stack. Create a project with this stack and implement Register and Login system for your project.
- Build an exact similar clone of any video streaming web application like Netflix. Your web application should contain following things:
 - Get all the Movies/TV Shows on the Home page through TMDB API Key.
 - Build the animated rows to display the contents cards.
 - Build the Navbar.
 - Build the Banner.
 - Add popups to show the trailer of Movies/TV

Shows when clicked on it. Finally, host your web application on Google Firebase and push the code to your GitHub Repository to enhance your GitHub Profile.

- **Build an exact similar clone of any social media web application like Instagram/LinkedIn/WhatsApp/Twitter etc. Your web application should contain following things:**
 - Build a Login/Signup.
 - Build the sidebar.
 - Chatting can be done between 2 users.
 - Build the rows to display the recent chats.
 - Build the sidebar.
 - Finally, host your web application on Google Firebase and push the code to your GitHub Repository to enhance your GitHub Profile.

Develop a creative, attractive and Responsive Web Application of your choice on MERN Stack. Host your web application on Google Firebase and push the code to your GitHub Repository to enhance your GitHub Profile.

Aim

1. Create "Welcome" application that will display "Welcome to CHARUSAT"
2. Understand the following Lifecycle of Android and based on that create android application to demonstrate life cycle of activity.
3. Create an application with Splash Screen.
4. Create an application "Login" activity with following properties. Implement the given layout using Linear Layout.

6.1 Create an application that will have spinner with list of different University names. On selecting university name, display image of that university.

6.2 Display list of operating systems with its icon and name along with short description in listView.

With reference to practical-2 create an alert dialog box that will display the message "Login Successful" on successful login

8.1 Write a program with implicit intent to send an email with following specifications. a. EmailTo

b.EmailSubject

c.EmailText(body)

d.attachment

8.2 With reference to practical 4.2 use explicit intent to display brief information about the OS on next activity.

Write a program to demonstrate replace a fragment dynamically.

1. Create simple Application which show the use of Seek Bar.

2. Create simple Application which show the use of Rating Bar.

Write a program to demonstrate CRUD operations on SQLite database in android.

Develop an android application that will fetch data through API.

Implement simple swift program for following concepts:

1) Function 2) 2D Arrays 3) Class 4) Structure

Develop a simple swift application that takes sales tax amount and price as input and calculates the actual price.

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Machine Learning Practical List

- Linear regression
- Polynomial Regression
- Logistic Regression
- kNN (k Nearest Neighbourhood)
- SVM (Support Vector Machine)
- Gradient Descent
- Newton's Method
- MLE (Maximum Likelihood Estimation)
- MAP (Maximum A Posteriori)
- PCA (Principle Component Analysis)
- L1 Regularization (Lasso Regression)
- L2 Regularization (Ridge Regression)
- Decision Trees
- Random Forest
- ANN (Artificial Neural Network)

Example List for Deep Learning Lab Setup

- Introduction to Deep Learning
- Image Classification with DIGITS
- Object Detection with DIGITS
- Object Detection over KITTI dataset with DIGITS
- Semantic Segmentation using DIGITS
- Medical Image Segmentation using DIGITS
- Signal Processing using DIGITS
- Train a Generative Adversarial Network using DIGITS
- Training an image auto encoder with DIGITS
- Binary Segmentation using DIGITS
- Linear Classification with Tensor Flow
- Image Classification using Tensor Flow
- Deep Learning Exercises folder for Tenserflow2 and Pytorch examples

• Laboratory and Workshop (EC)

List of Major Equipment/Facilities in each Laboratory/ Workshop

1. Anechoic Chamber

Vector Network Analyzer
ANSYS Academic Teaching Software (HFSS)
Eleven Lab PCB Prototype Machine
Cadence Tool (Software)
Xilinx Vivado
Edge Spartan 6 & 7 Series boards

List of Experimental Setup in each Laboratory/ Workshop

1. Experimental Setup:

Anechoic Chamber
Vector Network Analyzer
Eleven Lab PCB prototype Machine
Edge Spartan 6 & 7 Series boards

• Laboratory and Workshop (EE)

List of Major Equipment/Facilities in each Laboratory/ Workshop

Facts Controller With STATCOM
150 KV 1500, JOULE IMPULSE GENERATOR
100KV AC/140KV DC HIGH VOLTAGE TEST SET
DSO ,MSO,
Power Quality Analyzer,
D_space
DFIG,SCADA,PLC,
Generator Protection Relay,
Distance Relay
Two Roll Mill

List of Experimental Setup in each Laboratory/ Workshop

Major 5 Practical per lab

Power System Protection Lab
Differential Protection of Transformer
Busbar Protection Panel
Distance Protection Panel
Transmission Line Characteristic Panel
Generator Rotor E/F Panel.

High Voltage Laboratory

Impulse Voltage Test upto 150 kV
Breakdown Voltage Test of liquid dielectrics upto 100 kV
Dissipation Factor Measurement of liquid dielectrics
DC resistivity Measurement of liquid dielectrics
Power Frequency Withstand Voltage Test

Cables & Wire Testing Laboratory

Thermal Stability Test
Oxygen Index Test with Temperature Index
Smoke Density Test
Volume Resistivity & Surface Resistivity Test
Hot Deformation Test

Electrical Machines Lab

Parallel Operation of Alternators
Voltage regulation of Alternator by indirect loading
Speed control of Schrage motor
Determination of V curve for Synchronous motor
Determination of Circle diagram for induction motor

Simulation Lab

MATLAB
ANSYS

Power Electronics & Drives Lab
Phase controlled rectifier
TRIAC Characteristics
DIAC Characteristics
UJT Characteristics
Voltage commutated choppers
Inverter Operations

EV Lab

Differential drive for vehicular applications
AC Charger technology for car.
Speed control of PMBLDC Motor
Closed loop drive cycle of PMBLDC motor
Speed control of PMSM motor
Battery modelling and characteristics.
SOC measurement and control.
Vehicle to Grid and Grid to Vehicle simulations.
Image processing for autonomous vehicles.

PLC Lab

To implement Liquid level control of tank using PLC
To implement flashing of Lamp on PLC.
To realize traffic light control sequence using ladder logic on PLC.
To implement flashing of LED with adjustable ON time
To study interfacing of RTD with PLC.

• Laboratory and Workshop (IT)

List of Major Equipment/Facilities in each Laboratory/ Workshop	<ul style="list-style-type: none"> • High-speed computers and servers • Networking equipment (routers, switches, firewalls) • High-resolution monitors • Printers and scanners • Virtual reality setups <p>Graphics processors</p>
List of Experimental Setup in each Laboratory/ Workshop	<p>1.Programming Lab: Setup: High-speed computers with IDEs (Integrated Development Environments) like Eclipse, Visual Studio, PyCharm, etc. Experiments: Coding assignments in various languages (Java, Python, C++, etc.), data structures and algorithms implementations.</p> <p>2.Networking Lab: Setup: Routers, switches, firewalls, network cables, wireless access points, and network simulation software. Experiments: Network configuration, routing algorithms, packet sniffing, firewall setups, and simulations.</p> <p>3.Database Lab: Setup: Computers with database software like MySQL, Oracle, MongoDB, etc. and data visualization tools. Experiments: Database design, SQL queries, normalization exercises, stored procedures, NoSQL operations.</p> <p>4.Operating Systems Lab: Setup: Computers with multiple OS installations (e.g., Linux, Windows, MacOS) or virtualization software. Experiments: OS command tasks, process management, memory management, shell scripting.</p> <p>5.Web Development Lab: Setup: Computers with web servers (like Apache or Nginx), databases, and web development IDEs or tools. Experiments: Website designing, back-end and front-end integration, web application security.</p> <p>6.Artificial Intelligence and Machine Learning Lab: Setup: High-performance computers with GPU capabilities, software libraries like TensorFlow, PyTorch, and platforms like Jupyter Notebook.</p>

Experiments: Neural network training, natural language processing tasks, computer vision tasks, reinforcement learning simulations.

7.Cybersecurity Lab:

Setup: Secure isolated network environments, virtual machines, penetration testing tools like Kali Linux, Wireshark.

Experiments: Ethical hacking, vulnerability scanning, intrusion detection system setup, cryptography tasks.

8.IoT Lab:

Setup: Microcontrollers (e.g., Arduino, Raspberry Pi), sensors, actuators, IoT platforms.

Experiments: Developing IoT applications, integrating sensors and actuators, embedded programming.

9.Software Engineering Lab:

Setup: Version control systems, software project management tools, continuous integration platforms.

Experiments: Software design and modeling, version control practices, software testing, agile practices.

10.Mobile Development Lab:

Setup: Mobile device emulators, mobile development environments (e.g., Android Studio, Xcode).

Experiments: Mobile app development, user interface design, mobile hardware integration.

11.High-Performance Computing Lab:

Setup: Supercomputers or high-performance computing clusters, parallel programming tools.

Experiments: Parallel algorithms, big data processing, simulation tasks.

12.Cloud Computing Lab:

Setup: Access to cloud platforms like AWS, Azure, or GCP, cloud management tools.

Experiments: Deploying applications in the cloud, cloud infrastructure design, distributed systems tasks.

• Laboratory and Workshop (Mechanical)

List of Major Equipment/Facilities in each Laboratory/ Workshop

- Heat transfer composite wall, Unsteady state heat transfer, Heat from pin –fin apparatus, Thermal conductivity metal rod, Thermal conductivity of insulation powder, Specific Heat of air apparatus, Radiator performance test rig, Emissivity measurement apparatus, Stefan Boltzmann apparatus, critical radius insulation of insulation material, Concentric tube heat exchanger
- Metallurgical Microscopic Model Mim-I, Metallography Specimen Mounting Press Model-MTH, Double Disc Variable Speed Grinding/Lapping Machine, Muffle Furnace Model: MTI-1200, Heavy Duty Abrasive Cut of Machine, Digital color TFT ultrasonic flow detector model, BAINPOL-SA8 Grinding &Polishing Machine, Jominy and Quench Harden Ability Setup
- General Cycle Refrigeration Trainer, General Cycle Air Conditioning Trainer, Experimental Steam Turbine Test Rig (3 KW Capacity) With Accessories, Boiler, Solar Concentrator Training System, Psychrometer
- Workstation for Hydraulic with two Drawer (FESTO), Workstation for Pneumatic (FESTO). System, Modular Production System with Three MPS Stations, 1 H.P OIL FREE COMPRESSOR, Smart Camera Evolution kit having lens, Basler, cables etc., Edutech Make Programmable Logic Control (PLC), variable power supply,1* fluidsim 5 pneumatic simulation software six network license, fluid Sim 5 hydraulic simulation software six network licence,1*ciros education six license
- DC/RF magnetron sputtering setup, Goniometer
- Lathe Machine, Capstan and Turret Lathe, Drilling Machine, Universal Milling Machine, Slotting Machine, Planning Machine, Surface Grinder, Bending machine, Open hearth furnace, Pipe bender, C type press, Sheet Rolling machine
- Bench vice, Carpentry vice, Vernier caliper, Micrometer screw gauge, Electric arc welding machine, Rivet Header, Anvil, Open hearth furnace, Swage Block, Set Hammer, Plastic Injection moulding machine

- Gas Welding & Brazing Kit Messer make (L&T), MIG Welding Setup Model Zuper arc-300 415V, 300 amp TIG Welding Setup Model: Casto Tig 1601 DC 230V, 160 amp Technique spot welder
- CNC Vertical Machining Centre, High Performance Fuzzy Logic EDM, 4 Component Dynamometer 9272, CAM Software – Master CAM X3, CAMLAB, ESPRIT CAM
- Solid works Edu. Edition 2022-23 with 3D printer (FDM-ET-V1), PTC Creo 2.0 MNT University Plus Lic/W/O/EDU/COM(cred)
- ANSYS Multi Physics- 2023, Simulia Acamedic Abaqus Software, Altair 250 HWU (Supply and installation of Altair Hyper works software 10.0)
- Motorized Gyroscope, Universal governor Apparatus (With Digital Rpm Indicator), Cycloidal Gear, Rack & Pinion mech., Peucelier Mechanism., Cam Follower Setup, Radial Brakes, Whit Worth Quick Return Mechanism, Watt's Mechanism, Pantograph, Model of Scotch – Yoke Mechanism, Oscillating Cylindrical Engine, Single slider crank mech, Epicyclical Gear Sun & Planet
- Electrical Resistance Melting Furnace, Strain Gages, COMSOL Multiphysics Modules, Ultrasonic Probe sonicator FS-3000, Auto cast -X1 with Flow Research version, Thermal Imaging camera, Planetary ball mill, Ultrasonic Liquid Processor, Induction Furnace, Permeability meter, Universal strength machine
- Lancashire boiler, Cochran boiler, Locomotive boiler, Babcock & Wilcox boiler, Epicycle gear, Rack & quadrant gears, Herring bone gears, Single stage spur gears, Scotch yoke mechanism, Screw cutting lathe model, Window air conditioner, Model of 2-stroke diesel Engine, Model of 2-stroke petrol Engine, Model of 4-stroke diesel Engine, Model of 4-stroke petrol Engine, Tube well model, Swivel bearing, Belt drive single speed, Sudgen super heater, Conical friction clutch
- Falling Sphere Resistance Viscometer, Flow Measurement In Open Channels With V –Notches & Rectangular Notches, Stability Of Floating Body &Metacentric Height Determination, Reynolds's Apparatus, Bernoulli's Theorem verification equipment, Determination Of Losses In Pipes (Pipe Friction App.), Open Circuit Wind Tunnel, Nozzle Performance Test ring, Impact Of Jet Apparatus, Pelton Wheel Turbine test Rig, Centrifugal Pump Test rig, Gear Pump Test Rig, Francis Turbine Test Rig, Reciprocating Pump Test Rig, Determination Of Losses In Pipes (Pipe Friction app.), Flow measuring Devices (Venturi Meter, Orifice Meter & Rota mtr)
- Outside Micrometer, Screw thread Micrometer, Disc Micrometer, Vernier Height Gauge, Radius Gauge Convex Concave Arch /90, Thickness Gauge, Telescopic, Small hole Gauge, Angle Plate, Dial Thickness gauge, Sine bar, Plain Plug Gauge, Spirit Level, Temp Measurement Trainer Using RTD, Pressure Measurement by Pressure Transducer Trainer Strain Gauge Trainer, Surface roughness tester
- Single cylinder diesel engine test rig (4- stroke) with eddy current dynamometer loading, Four cylinder diesel engine test rig(4-stroke) with hydraulic dynamometer loading, Single cylinder four stroke diesel engine, Single cylinder two stroke petrol engine, Single cylinder 4-stroke petrol engine test rig, Complete cut section of S.I. engine (single cylinder four stroke), Twin Cylinder Diesel Engine Test Rig With rope Break Dynamometer, gas analyze, Alvin Nishan Machine
- Tensile testing machine, Wear & friction monitor, Surface texture, 3-D microscope, 3-D scanner, 3-D printer, inverted metallurgical microscope

List of Experimental Setup in each Laboratory/ Workshop

- 1 Specimen preparation and its microscopic examination
- 2 Mounting techniques
- 3 Examination of the microstructure of steel specimen,& cast iron
- 4 Jominy end quench hardenability test
- 5 Effect of quenching media on material hardness

- 6 Recognition of defects through dye penetration testing
- 7 Performance of sensible heating process on general cycle air conditioning trainer
- 8 Performance of cooling & dehumidification process on general cycle air conditioning trainer
- 9 Performance of heating & humidification process on general cycle air conditioning trainer
- 10 Performance evaluation of VCR cycle
- 11 Measurement of dry bulb & wet bulb temperature using sling psychrometer
- 12 Testing of diesel fired water tube boiler based steam power plant
- 13 Study the control of a single acting cylinder.
- 14 Study the speed control circuit on pneumatic control
- 15 Semi-automatic control of double acting cylinder using limit switch
- 16 Study of sequencing circuit on pneumatic trainer
- 17 Electrical control of double acting cylinder & control through relay
- 18 Electrical control of double acting cylinder through and condition & OR condition
- 19 Control of double acting cylinder on hydraulic trainer
- 20 Hydraulic circuit for automobile lift system
- 21 Develop the thin film coating by magnetron sputtering.
- 22 Measure static contact angle of liquid drops on solids.
- 23 Measure dynamic contact angle of liquid drops on solids
- 24 Measure contact angle of liquid by inclined plate method
- 25 Measure surface energy of liquid drops on solids
- 26 Experiment on DC Magnetron Sputtering process.
- 27 Lathe Machine: Turning and Thread Cutting
- 28 Capstan and Turret Lathe
- 29 Drilling Machine
- 30 Spur Gear Cutting on Milling Machine
- 31 Shaping and Planning Machine
- 32 Grinding Machine
- 33 Rolling Operation Using Three Roller Bending machine
- 34 Forging Operation
- 35 Bending Operation Using Hydraulic Pipe Bender
- 36 Press and Press Working Operations
- 37 Carpentry
- 38 Fitting
- 39 Different metal joining processes
- 40 Smithy
- 41 Sheet Metal Joint
- 42 Plumbing
- 43 Production of Plastic
- 44 Use different welding process weld joint design as per I.S code and weld symbols.
- 45 Use gas welding and gas cutting processes for the given part
- 46 Prepare component using MIG & TIG welding process
- 47 Perform resistance welding process on the given specimen
- 48 Find weld defects using dye penetrate(DP) test
- 49 **Use friction welding process to join two cylindrical pieces**
- 50 Determine the construction and working of NC/CNC Machine Tools
- 51 Determine Machine Origin, Program Origin and Part Origin
- 52 Evaluate a Programme For Machining Centre Using Cam Software
- 53 Perform a Drilling & Turning operation using canned cycle
- 54 Find a Suitable Part Family For the Given condition
- 55 Develop a Component Using 3D Printer
- 56 Prepare a Manual Part Programming for CNC milling, drilling & turning
- 57 Use different constrain options of solid work in sketcher module.
- 58 Draw 2D profile using solid work sketcher module

- 59 Create 3D model using solid work part module.
 60 Create 2D engineering drawing using drawing module
 61 Design and Create assembly of cotter & Knuckle joint using assembly module
 62 Create detail drawing of assembly using drawing module
 63 Parametric modeling in solid works.
 64 Find out stress and deformation of cotter
 65 Find out stress and deformation of Knuckle joint
 66 Application of Computer Graphics in CAD
 67 Algorithms Used for Generating 2D Output Primitives
 68 Geometric Transformations
 69 Geometric Modeling (Assembly Modeling)
 70 Finite Element Analysis for 1D elements using ANSYS APDL
 71 Finite Element Analysis of Struss
 72 Static structural analysis using ANSYS workbench
 73 Modal analysis using ANSYS workbench
 74 Explicit Dynamic Analysis using ANSYS workbench
 75 Application of CAD standard for 3D Printing
 76 Find out centrifugal force in Watt Governor and Porter governor.
 77 Find out centrifugal force in Proell & Hartnell Governor
 78 Static and Dynamic balancing
 79 Determine natural frequency of longitudinal vibration of a Spring mass System and torsional vibration of single rotor system
 80 Determine damping factor of the damped torsional vibration of single rotor system
 81 Determine amplitude of force damped vibration of spring mass system
 82 Determine the natural frequency of torsion vibration of two rotor system & transverse vibration
 83 Determine Jump phenomena in cam systems.
 84 Determine gyroscopic couple
 85 Introduction to metal casting
 86 Design of pattern and core
 87 Moulding practice in sand casting
 88 Design of gatting & feeding system
 89 Melting, pouring and fettling
 90 Casting simulation auto cast
 91 Casting defects
 92 Introduction to Steam Boilers & Study of Cochran and Babcock-Wilcox Boilers
 93 To Study Boiler Mountings & Accessories
 94 Study of Vapour Compression Refrigeration Cycle Windows Air-Conditioning System
 95 Study of power & motion transmission system
 96 Study of Coupling, Clutches & brakes
 97 Study of 4- Stroke and 2- Stroke S.I. & C.I. engines
 98 Determine the Contact Angle from Contact Area of Liquid Droplet Spreading on Solid Substrate
 99 Determine the viscosity of given fluid using falling ball viscometer
 100 Synthesize the Nano fluid
 101 Determine Metacentric Height of a floating body
 102 Determine the Reynolds number to identify the type of pipe flow
 103 Determine the total head in a steady
 104 Calibrate the Flow Meters used for closed duct flow
 105 Determine the coefficient of friction and friction factor in closed conduits
 106 Performance characteristics of reciprocating pump & pelton wheel
 107 Study of centrifugal pump & Francis turbine
 108 Precision measuring instrument
 109 Linear measurement
 110 Angular measurement
 111 Micrometer Calibration
 112 Pressure measurement
 113 Temperature measurement
 114 Surface roughness measurement
 115 Strain gauge transducer
 116 Gear tooth thickness measurement

117 Comparison of S.I and C.I Engines
118 Combustion Chambers
119 Single Cylinder Four Stroke petrol engine
120 Single Cylinder Four Stroke diesel engine
121 Valve Timing Diagram
122 Flash and Fire point by
123 Flash and fire point by Cleveland (open) cup apparatus
124 Fuel Injection System
125 Study of suspension system ,wheel & tires
126 Study modern automobile vehicles
127 Tensile, flexural and compression testing of the material using universal testing machine (UTM)
128 Develop of plastic component using fused deposition method for a given geometry
129 Dimensional measurement of various geometries through improved technology
130 Prepare a cad model using 3-D laser scanner(Reverse engg)
131 Surface roughness measurement
132 Determine the tribological properties of aluminum, brass and mild steel under dry & wet condition
133 Determine wear and coefficient of friction of nylon composite,brass,aluminium,mild steel pins & determine effect of temperature under wet condition
134 Microscopic examination of materials

15. Computing Facilities

Internet Bandwidth	1150 mbps
Number and configuration of System	
Total number of system connected by LAN	1260
Total number of system connected by WAN	1260
Major software packages available	21
Special purpose facilities available	08

16. Innovation Cell

Social Media Cell	Nil
Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Depts	Not Applicable

17. List of facilities available

Games and Sports Facilities	
Extra-Curricular Activities	<ul style="list-style-type: none"> • Conducted Youth Festival • Celebrate Festivals regularly like Ganesh Utsav, Navaratri, Dashera on regular basis • Organizes Fresher's Party • Organizes Engineers' Day Celebration • Organizes Yoga Day • Organizes Talent Hunt
Soft Skill Development Facilities	--

18. Teaching Learning Process

Curricula and syllabus for each of the programmes as approved by the University	Available on our website: www.charusat.ac.in
Academic Calendar of the University	Available on our website: www.charusat.ac.in
Academic Time Table with the name of the Faculty members handling the Course	Available on our website: www.charusat.ac.in
Teaching Load of each Faculty	Available on our website: www.charusat.ac.in
Internal Continuous Evaluation System and place	Available on our website: www.charusat.ac.in
Student's assessment of Faculty,	Available on our website: www.charusat.ac.in

System in place

19. For each Post Graduate Courses give the following:

Title of the Course	<ul style="list-style-type: none">• Computer Engineering• Thermal Engineering• Advanced Manufacturing Technology• Structural Engineering
Curricula and Syllabi	Available on Institute website: www.charusat.ac.in
Laboratory facilities exclusive to the Post Graduate Course	Available

20. Enrollment of students in the last 3 years

	Branch	2021-22	2022-23	2023-24
Computer Engineering	135	138	140	
Information Technology	135	136	140	
Electronics & Communication	079	054	097	
Mechanical Engineering	040	020	039	
Civil Engineering	025	016	016	
Electrical Engineering	022	003	019	
Computer Science Engineering	068	067	065	
AIML	000	061	068	

21. List of Research Projects/ Consultancy Works

Number of Projects carried out, funding agency, Grant received	0
Publications (if any) out of research in last three years out of masters projects	17
Industry Linkage	10
MoUs with Industries (minimum 3)	10

22. LoA and subsequent EoA till the current Academic Year

	Available on Institute website: www.charusat.ac.in
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23. Accounted audited statement for the last three years

	Available on Institute website: www.charusat.ac.in
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24. Best Practices adopted, if any

- Extensive use of audio-visual aids, such as OHP and multimedia, to enhance the classroom discussions and course content delivery methodology.
- Extensive and intensive pre-classroom preparation by the faculty by preparation of lucid teaching notes for circulation to the students.
- Encouragement of students to supplement their classroom learning by searching on the internet, reading additional books and journal articles.
- Encouragement of students to participate in technical seminars and conferences organized by other technical institutions and industrial establishments.
- Conduction of expert lectures by inviting eminent researchers, scientists, and engineers from leading industries.
- Industrial visits to integrate classroom and laboratory learning with practical exposure.
- In-house training for development of soft skills from the first semester itself, as a part of the regular academic transaction
- Promotion of all kind of modern learning