

Institute of Technology				
Name	Year	Branch	Guide	Topic
Vivek Kumar Prasad	2021	Computer Science & Engineering	Dr. Madhuri Bhavsar	SLAMMP Framework for Efficient Resource Monitoring and Prediction at an IaaS Cloud
Mehta Chintan Rajeshkumar	2021	Electrical Engineering	Dr. Santosh Vora	Investigations for Transient Stability Enhancement of Multi-machine Power System Integrated with Large Scale Renewable Energy Sources Using Modified Series Resonance Type Fault Current Limiter
Chokshi Nikita P.	2021	Chemical Engineering	Dr. J. P. Ruparelia	Studies on Development of Composite Metal Oxide Catalysts for Degradation of Reactive Black 5 Dye Using Catalytic Ozonation Process
Patel Ronakkumar Rameshchandra	2021	Chemical Engineering	Dr. S. S. Patel	Studies on Hydrogen Production via Bio-butanol Reforming for SOFC and PEMFC Applications
Popat Jayesh Bharatkumar	2021	Electronics & Communication Engineering	Dr. Usha Mehta	Countermeasures Against Test Infrastructure Based Attacks on AES Circuits and Trojans
Gopi Tushar Bhatt	2021	Computer Science & Engineering	Dr. Madhuri Bhavsar	Performance Centric Architecture & Prototype of Portable File System for Virtual Environment
Adesara Ankit Mukeshbhai	2021	Electronics & Communication Engineering	Dr. Amisha Naik	Design and Implementation of a Low-noise Low Power Biopotential Amplifier for Biomedical Applications
Mankad Sapan Hareshbhai	2021	Computer Science & Engineering	Dr. Sanjay Garg	Enhancing Voice Liveness Detection in Speaker Verification Systems using Machine Learning Approach
Madhushree B.	2021	Computer Science & Engineering	Dr. Priyanka Sharma	Video Summarization: A Comprehensive Study of Unsupervised Techniques And Applications
Trivedi Pratik Pravinkumar	2021	Electronics & Communication Engineering	Dr. P. N. Tekwani & Dr. Tanish Zaveri	Multiplierless Tunable Architecture for Signal Processing Transforms
Shah Pooja Prakashbhai	2021	Computer Science & Engineering	Dr. Tanish Zaveri & Dr. Rajkumar	Oil Spill Detection Using SAR data: Feature Based to Deep Learning Approaches
Mehta Sandip Anilbhai	2021	Instrumentation & Control Engineering	Dr. D. M. Adhyaru	Some Investigations on the Design and Implementation of Fractional Order Control System
Sonal Shankerlal Kotak	2021	Civil Engineering	Dr. Urmil Dave	Mechanical and Durability Studies of Ambient Cured Alkali Activated Concrete with Various Source Materials
Joshi Tejas Mukundbhai	2021	Civil Engineering	Dr. Urmil Dave	Development of Pervious Concrete For Pavement Applications
Parag Anilkishore Saxena	2021	Chemical Engineering	Dr. M. H. Joshipura	Studies on Some Properties of Biodiesel and Biodiesel-Diesel-Butanol Blends
Tushar Hematlal Bhoraniya	2021	Civil Engineering	Dr. Sharad Purohit	Damping Evaluation Studies and It's Impact on Reinforced Concrete Structures
Parmar Harikrushna Chandubhai	2021	Electronics & Communication Engineering	Dr. Usha Mehta	Power Aware Test Architecture for System-On-Chip
Shailendra Singh	2021	Electronics & Communication Engineering	Dr. S. C. Bera & Dr. Dhaval Pujara	Design and Development of Higher Order Sub-Harmonic Mixers
Shah Dhaval Bipinchandra	2021	Mechanical Engineering	Dr. K. M. Patel	Experimental and Numerical Investigations on Minimization of Spring-back Deformation in CFRP Parabolic Antenna Reflector Used for Space Applications
Priya Parag Saxena	2021	Chemical Engineering	Dr. J. P. Ruparelia	Studies on Electrochemical Degradation of Reactive Black-5 Dye and Urea Solutions using Indigenously Developed and Commercial Electrodes
Ashokkumar A. Tiwari	2021	Civil Engineering	Dr. Urmil Dave	Rheological Investigations on Cement Paste and Concrete using Fly ash and Ground Granulated Blast Furnace Slag
Makhesana Mayurkumar Ashwinbhai	2021	Mechanical Engineering	Dr. K. M. Patel	Performance Assessment of Solid Lubricants and Minimum Quantity Lubrication in Machining
Trivedi Kedar Niranjanbhai	2021	Electronics & Communication Engineering	Dr. Dhaval Pujara	Bandwidth Enhancement of Dielectric Resonator Antennas Using Stacked and Fractal Geometries
Gandhi Ravi Vikramkumar	2021	Instrumentation & Control Engineering	Dr. D. M. Adhyaru	Design and Implementation of Controller for Electromagnetic Levitation System in the Presence of Disturbances
Gadhavi Lataben Jasvantdanji	2021	Computer Science & Engineering	Dr. Madhuri Bhavsar	Performance Analysis of Adaptive Cloud through Workload Prediction Supporting Resource Provisioning
Upadhyay Darshit Shaileshkumar	2021	Mechanical Engineering	Dr. R. N. Patel & Dr. Jayesh Barve	Investigations on Influence of Steam Injection and Catalyst on Producer Gas Quality in Fixed Bed Gasifier with Lignite as Feedstock
Narasimha Reddy Ravuru	2021	Chemical Engineering	Dr. S. S. Patel	Hydrogen Production via Catalytic Glycerol Reforming
Aparna Kumari	2021	Computer Science & Engineering	Dr. Sudeep Tanwar	Secure Demand Response Management in Smart Grid System

Bhatasana Piyushkumar Maganlal	2019	Electronics & Communication Engineering	Dr. Dhaval Pujara & Dr. S. C. Bera	Investigations on Low Activation RF MEMS Shunt Switches
Ravindra Kumar Singh	2019	Electronics & Communication Engineering	Dr. Dhaval Pujara	Investigations on Ultra-Wideband (UWB) Monopole Antennas for Spectrum Monitoring
Patel Nileshkumar Dahyalal	2019	Electronics & Communication Engineering	Dr. Amisha Naik	A Low Jitter – Low Phase Noise Wideband Digital Phase Locked Loop in nanometer CMOS Technology
Bora Leena Vijaykumar	2019	Chemical Engineering	Dr. Raju Mewada	Development of Photocatalyst for Effective Utilization of Solar Energy for Wastewater Treatment
Bhatia Jitendra Bhagwandas	2019	Computer Science & Engineering	Dr. Madhuri Bhavsar	Design and Development of a Framework for Reliable Data Dissemination in VANET Environment using software Defined Networking and Cloud
Pradyumansinh Udaysinh Jadeja	2019	Computer Science & Engineering	Dr. K. Kotecha	Trend Identification in Microblogs
Oza Virang Hareshchandra	2019	Mechanical Engineering	Dr. N. M. Bhatt	
Patel Rohit Bhimjibhai	2019	Electronics & Communication Engineering	Dr. D. K. Kothari	Performance Enhancement of WDM Optical System with Coherent Detection
Solanki Pareshkumar Mahendrabhai	2019	Computer Science & Engineering	Dr. Sanjay Garg	Design and Development of Privacy Preserving Techniques for Data Stream Mining
Gopi B Sanghani	2019	Computer Science & Engineering	Dr. K. Kotecha	Personalised Email Spam Filtering Using Support Vector Machine
Nileshkumar M Gambhava	2019	Computer Science & Engineering	Dr. K. Kotecha	Hash Tag Clustering Using Genetic Algorithm
Fataniya Bhupendra Damjibhai	2019	Electronics & Communication Engineering	Dr. Tanish Zaveri & Dr. Sanjeev Acharya	Microscopic Image Based Classification Algorithms for few Herbal Plants Identification using Machine Learning Approaches
Kalpesh Pathak	2019	Instrumentation & Control Engineering	Dr. D. M. Adhyaru	Performance Analysis of Soft Computing Technique based Adaptation Mechanism for Model Reference Adaptive Control
Patel Mahesh Amrutbhai	2019	Electrical Engineering	Dr. S. C. Vora	Design and Performance Analysis of a Novel Fall-back Transverse-Flux Permanent Magnet Generator for Direct-Drive Wind Power Generation.
Praveen Kumar Atrey	2019	Electronics & Communication Engineering	Dr. Dhaval Pujara & Dr. Subroto Mukherjee	Design and Development of Microwave Interferometer and Reflectometer Systems for Plasma Diagnostics in Tokamak
Vanzara Rakeshkumar D	2018	Computer Science & Engineering	Dr. Haresh Bhatt & Dr. Priyanka Sharma	Performance Enhancement Proxy for Heterogenous Networks
Trivedi Dishang Dinkarrai	2018	Electrical Engineering	Dr. S. C. Vora	Kalman Filter based Novel Centralized Dynamic State Estimation for Multi-Machine Power System incorporating DFIGs
Shah Dhaval Gopalchandra	2018	Electronics & Communication Engineering	Dr. D. K. Kothari	Investigation of Free Space Optical Link Performance with Wavelength Diversity under Different Turbulence Conditions
Shah Manisha Tusharbhai	2018	Electrical Engineering	Dr. P. N. Tekwani	Investigation on Generalization of Current Error Space Phasor Based Pulse Width Modulation Controller for Multi-Level Front-End Converters.
Manoj Kumar Gupta	2018	Mechanical Engineering	Dr. D. S. Sharma & Dr. V. J. Lakhera	Bubble-Induced Vibration in Liquid Nitrogen Cryopump
Sharma Sandip Prahladbhai	2018	Chemical Engineering	Dr. J. P. Ruparelia	A Comparative Study to Analyse Efficacy of O ₃ , O ₃ /UV, O ₃ /UV/PS for the degradation of reactive dyes in wastewater
Gehani Aarti Kishor	2018	Electronics & Communication Engineering	Dr. Dhaval Pujara	Investigations on optimization of Antenna Parameters using Adaptive Neuro-Fuzzy Inference System (ANFIS)
Pardiwala Julie Minoo	2018	Chemical Engineering	Dr. S. S. Patel	Studies in Spinel Catalysts for Photocatalytic Degradation of RB21 Dye in Wastewater
Shah Hardik Satishchandra	2018	Chemical Engineering	Dr. J. P. Ruparelia	Studies on feasibility of some water quality trading aspects with end-of-pipe treatment augments: Towards enhancement of environmental performance in firms and CETPs
Joshi Digesh Dilipkumar	2018	Civil Engineering	Dr. P. V. Patel	Study the Behaviour of Precast Connections Under Progressive Collapse Scenario
Ankit Sharma	2018	Instrumentation & Control Engineering	Dr. D. M. Adhyaru & Dr. Tanish Zaveri	Handwritten Gujarati character recognition using machine learning approach
Dineshkumar Jethalal Prajapati	2018	Computer Science & Engineering	Dr. Sanjay Garg	Multilevel Association Rule Mining in Distributed Environment
Mecwan Akash Isudas	2018	Electronics & Communication Engineering	Dr. N. M. Devashrayee	Design of High Performance Low Noise Amplifier
Gandhi Priyeshkumar Pratapbhai	2018	Electronics & Communication Engineering	Dr. N. M. Devashrayee	Analysis and Design of High Speed Low Offset Power Efficient Dynamic CMOS Comparator in 180 nm Technology
Savani Vijay Gopalbhai	2018	Electronics & Communication Engineering	Dr. N. M. Devashrayee	Design of a Low Voltage, Low Power and High Speed CMOS Comparator

Joshi Rashmi Shankardatt	2018	Instrumentation & Control Engineering	Dr. Suryakant Gupta	Diagnostics of Electrostatics Discharges and Postulations for ARC Mitigation Techniques on Satellite Solar Panels
Dhare Vaishali Hiteshkumar	2018	Electronics & Communication Engineering	Dr. Usha Mehta	Novel Defect Modeling and Development of ATPG for Combinational QCA Circuits
Arundhati Misra	2017	Computer Science & Engineering	Dr. B. Kartikeyan	Quantitative Analysis of Approaches and Development of Optimal Wavelet Based Denoising Technique for SAR Data
Varinder Kumar	2017	Civil Engineering	Dr. P. V. Patel	Strengthening of Axially Loaded Circular Concrete Columns using Stainless Steel Wire Mesh (SSWM)
Gajjar Ruchi Indravadan	2017	Electronics & Communication Engineering	Dr. Tanish Zaveri	Spectral Based Blur Classification and Parameter Estimation Approaches for Image Restoration
Kotecha Radhika Navinbhai	2017	Computer Science & Engineering	Dr. Sanjay Garg	Privacy-Preserving Classification of Horizontally Partitioned Data Streams
Chauhan Mihir Mahendrakumar	2017	Mechanical Engineering	Dr. D. S. Sharma	Stress analysis of finite laminated composite plate with discontinuity
Dave Jatinkumar Maheshkumar	2017	Mechanical Engineering	Dr. D. S. Sharma	Stress Analysis of Symmetrical and Unsymmetrical Laminates Subject Having Cut-outs of Arbitrary Shape Subjected to Different Loading conditions
Mungla Mitesh Jethalal	2017	Mechanical Engineering	Dr. D. S. Sharma	Forward and Inverse Dynamic Analysis of Multiple Span Cracked Beam
Patel Pareshkumar Dashrathbhai	2017	Mechanical Engineering	Dr. R. N. Patel	Experimental Investigation on Life Cycle Analysis and Combustion Characteristic of CI Engine Operating on Biodiesel with Additives
Gandhi Sanjay Pratapbhai	2017	Chemical Engineering	Dr. S. S. Patel	Catalytic carbon dioxide reforming of methane to synthesis gas
Modi Kiritkumar Jayantilal	2017	Computer Science & Engineering	Dr. Sanjay Garg	Approches for Discovery, Selection and Composition of Heterogeneous Web Services using Semantic Web
Swati Jain	2017	Computer Science & Engineering	Dr. Tanish Zaveri	Design and Development of Content Based Image Retrieval Frameworks for Remote Sensing Domain: Issues and Challenges
Khairnar Vaishali Dinesh	2016	Computer Science & Engineering	Dr. K. Kotecha	Study of reliability issues for Communication Protocols in Vehicular Ad-hoc Networks
Jain Sanjay Kumar Virendra	2016	Mechanical Engineering	Dr. R. N. Patel	Experimental and Numerical Investigations on Pump running in Turbine mode for Micro Hydropower Plants
Patel Vimal Ranchhodlal	2016	Mechanical Engineering	Dr. R. N. Patel	Experimental Studies on Lignite Gasification Process
Nimkar Samir Chandrakant	2016	Chemical Engineering	Dr. Raju Mewada	Exergy Analysis of Nitric Acid, Ethylene Oxide/ Ethylene Glycol Processes and Methanol Reactor
Shah Ankit Kiritkumar	2016	Instrumentation & Control Engineering	Dr. D. M. Adhayaru	Model based control of hybrid nonlinear dynamical system
Patel Niravkumar Pravinbhai	2016	Mechanical Engineering	Dr. D. S. Sharma	Stress analysis and optimization of a Laminated Composite plate weakened by Discontinuity
Patel Chirag Ishwarbhai	2016	Computer Science & Engineering	Dr. Sanjay Garg	Analysis and Development of Human Action Recognition Techniques for Video Sequences
Sachin Gajjar	2016	Computer Science & Engineering	Dr. K. S. Dasgupta & Dr. Mohanchur Sarkar	Cross layer Protocols and Architecture for Wireless Sensor Networks
Kedar Prasad Agrawal	2016	Computer Science & Engineering	Dr. Sanjay Garg	Clustering and Time Series Prediction for Spatio-Temporal Geographic Dataset
Nilesh Dhirajlal Ghetiya	2016	Mechanical Engineering	Dr. K. M. Patel	Experimental Investigations into Immersed Friction Stir Welding of AA2014-T6
Patel Sanjay Pahladbhai	2016	Computer Science & Engineering	Dr. K. Kotecha	Enhancing performance of pattern mining methods
Ukani Vijaykumar Shantilal	2016	Computer Science & Engineering	Dr. Tanish Zaveri	BorderMon: An Energy Efficient Framework for Border Surveillance using Wireless Multimedia Sensor Networks
Nimish Rajnikant Shah	2016	Chemical Engineering	Dr. Raju Mewada & Dr. Tejal Mehta	Polymer Synthesis, characterization and exploring their pharmaceutical applications
Upadhyay Manisha J.	2016	Electronics & Communication Engineering	Dr. D. K. Kothari	Development, Simulation and Analysis of Resource Allocation Techniques for Cooperative Wireless Network
Saiyad Mamta Mainak	2015	Chemical Engineering	Dr. Raju Mevada & Dr. N. M. Devashrayee	Development and characterization of Radiation Hardened Epoxy based Polymer Composite for Electronic Device Packing
Thakkar Priyank B.	2015	Computer Science & Engineering	Dr. K. Kotecha	Enhancing Performance of Recommender Systems
Valiveti Sharada R.	2015	Computer Science & Engineering	Dr. K. Kotecha	Enhancing Security with Effective Routing Mechanisms in Ad Hoc Networks
Thakkar Ankit Rajeshkumar	2015	Computer Science & Engineering	Dr. K. Kotecha	Energy Efficient Routing with Effective Clustering Mechanisms in Wireless Sensor Networks
Shah Kehul Anilkumar	2015	Electronics & Communication Engineering	Dr. N. M. Devashrayee	Design and Implementation of CMOS Gm-C IF Filter Using Switching Capacitor Array (SCA) for Dual Band Receiver
Patel Dhavalkumar Karshanbhai	2015	Electronics & Communication Engineering	Dr. Y. N. Trivedi	Goodness of Fit Based Non-parametric Spectrum Sensing for Cognitive Radio

Raval Gaurang A.	2015	Computer Science & Engineering	Dr. Madhuri Bhavsar	Enhancing Base Station Assisted Clustering Techniques for Wireless Sensor Networks
Soni Bhavna Devang	2014	Chemical Engineering	Dr. J. P. Ruparelia	Studies on electrochemical treatment application of mixed metal anodes for the removal of Reactive Black-5 dye from aqueous solution
Patel Femina Jitendra	2014	Chemical Engineering	Dr. Sanjay Patel	Synthesis and Characterization of Perovskite based Catalysts for Automotive CO Oxidation
Chauhan Siddharthsingh	2014	Electrical Engineering	Dr. P. N. Tekwani	Investigations on applications of current error space phasor based hysteresis controllers in converters of active power filters
Thaker Kandarp K.	2013	Civil Engineering	Dr. P. H. Shah	Electrokinetic Remediation of Contaminated Soils
Sood Khagindrakumar	2013	Electronics & Communication Engineering	Dr. S. B. Sharma	Investigations on Multifunctional Microstrip Radiators in Association with Optimum Feeding Techniques
Shah Shital Sureshchandra	2013	Civil Engineering	Dr. A. K. Singh	Modelling of rainfall variability and drought assessment in Sabarmati Basin
Patel Samir B.	2013	Computer Science & Engineering	Dr. S. N. Pradhan	Analysis & Design for Protecting the Intellectual Property Rights Associated with Multimedia Data
Dube Nitant P.	2013	Computer Science & Engineering	Dr. K. S. Dasgupta	Study, Performance, Evaluation and Customisation of GRID Service Oriented Architecture for Satellite Image Processing
Gajjar Nagendra	2013	Electronics & Communication Engineering	Dr. K. S. Dasgupta & Dr. N.M. Devashrayee	Study & Realization of High Performance Reconfigurable Processor Architecture for Mission Critical Digital Signal Processing Applications
Sharma Priyanka Rahul	2013	Computer Science & Engineering	Dr. K. Kotecha & Dr. S. N. Pradhan	High Performance Networking: Analysis of Quality of Service and Traffic Management in IP Based Multimedia Services
Kotia Sorum M.	2012	Electronics & Communication Engineering	Dr. K. S. Dasgupta & Dr. M. D. Desai	Study & Realization of Joint Source and Channel Coding Techniques for Satellite based Multimedia Communication
Oza Shruti K.	2012	Electronics & Communication Engineering	Dr. N. M. Devashrayee	Low power folding and interpolating analog to digital converter: optimization of area and power for medium resolution applications
Bhavsar Madhuri	2012	Computer Science & Engineering	Dr. S. N. Pradhan	Performance Measurement of Scientific Grid Roadmap to e-Science
Shah Saurin	2012	Instrumentation & Control Engineering	Dr. M. D. Desai	Image Processing Techniques for Characterization of Renal Calculi Using Ultrasound Images
Mehta Usha S.	2012	Electronics & Communication Engineering	Dr. K. S. Dasgupta & Dr. N. M. Devashrayee	Test data compression techniques for IP core based SoC : time, power and area optimization
Naik Amisha P.	2012	Electronics & Communication Engineering	Dr. N. M. Devashrayee	Novel topologies of CMOS second generation current conveyors for low voltage, low power applications
Pujara Dhaval	2011	Electronics & Communication Engineering	Dr. S. B. Sharma	Investigations on low cross-polarized antenna systems at microwave frequencies
Dave Sweta P.	2011	Civil Engineering	Dr. P. H. Shah	Some studies on feasibility of using flyash in canal embankment
Joshi-pura Milind	2011	Chemical Engineering	Dr. N. Subrahmanyam	Studies on equation of state for the applications to pure component and mixtures
Vyas Amishkumar	2011	Chemical Engineering	Dr. N. Subrahmanyam	Studies on Bio-diesel