

**SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY,
SURAT 395007 (GUJARAT) INDIA**

List of the Doctoral students eligible to get the Degree in 2022 Convocation

DOCTOR OF PHILOSOPHY IN CHEMICAL ENGINEERING

Sr.	Name	Name in Hindi	Adm. No.	Month & Year of Passing	Thesis Title
1	Sanjay Krishna	संजय किष्णा	D16CH004	November 2021	Investigation of Biofiller-Reinforced Nylon 6 Nanocomposite using Molecular Dynamics Simulation
2	SaiKumar Nair	साईकुमार नायर	DS17CH001	February 2022	Investigation on Stability, Efficiency and Degradation of Perovskite Solar Cells
3	Preena Shrimal	प्रीना श्रीमाल	D17CH004	May 2022	Enhancement of Drug Therapeutic Efficacy by Encapsulation and Nanonization in Microfluidic Systems
4	Dumore Nilesh Santosh	दुमोरे निलेश संतोष	D17CH008	July 2022	Selenium Nanocomposites Based Electrochemical Sensor for Detection of Hydrogen Peroxide (ROS)

DOCTOR OF PHILOSOPHY IN CIVIL ENGINEERING

Sr.	Name	Name in Hindi	Adm. No.	Month & Year of Passing	Thesis Title
1	Jiji Krishnan T U	जीजी कृष्णन टी यू	D16AM003	October 2021	Experimental Investigations to Evaluate the Liquefaction Mitigation Properties of a Single Pile in Colloidal Silica Treated Sand
2	Mohit Kishorbhai Mistry	मोहित किशोरभाई मिस्त्री	D16AM007	November 2021	Behaviour of Cohesive Soil Reinforced with Waste Tyre Fibres
3	Manish Pramodkumar jain	मनीष प्रमोदकुमार जैन	DS13CE006	November 2021	Effect of Grade on Operational Characteristics of Mixed Traffic Flow on Two-Lane Roads
4	Zope Rupali Pankaj	जोपे रूपाली पंकज	D14CE007	November 2021	Development of a Framework for Evaluation of a Sustainability Index for an Urban Transportation System
5	Pooja Srikant Rao	पूजा श्रीकांत राव	DS14AM010	December 2021	Dynamic Analysis of Soil Vibrations Induced by High Speed Trains
6	Patel Nirav Kanubhai	पटेल निरव कनुभाई	D13AM003	January 2022	Seismic Performance and Fragility Assessment for RC Building Frames Considering Effect of Geometrical Configuration
7	Anaokar Guruprasad Shashikant	अणाउकर गुरुप्रसाद शशिकांत	DS15CE007	February 2022	Biogas Prediction from Laboratory Scale Anaerobic Digester for Municipal Wastewater Sludge using Soft Computing Tools
8	Gore Ninad Avinash	गोरे निनाद अविनाश	DS17CE011	February 2022	Characterization and Quantification of Traffic Flow Stability and Congestion for Urban Road Networks
9	Ghumare Pavan Namdeo	घुमरे पवन नामदेव	DS15CE005	February 2022	Housing Affordability Model for Economical Weaker Section of Indian Metropolitan Settlement
10	Dholawala Mital Jayeshkumar	ढोलावाला मितल जयेशकुमार	DS13CE007	February 2022	Prediction of Biogas Production in Upflow Anaerobic Sludge Blanket (UASB) Reactor Treating Distillery Effluent using Fuzzy Approach
11	Praveen Rathod	प्रविण राठोड	D15CE003	April 2022	Turbulence and Vortex Characterization at Flow Pier Interface in Scour Modelling
12	Rahul R Pai	राहुल आर पै	D17AM007	May 2022	Performance and Design Evaluation of Test Tracks of Flexible Pavements with Waste

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					Materials in Base Layers
13	Pasupuleti Laxmi Narayana	पसुपुलेटी लक्ष्मी नारायण	D15CE010	May 2022	Flow Around Isolated, Tandem, and Staggered Submerged Piers on Rigid and Mobile Sediment Beds: An Experimental Investigation
14	Praveen Barapatre	प्रविण बारापात्रे	DS16CE008	June 2022	Irrigation Water Management using Internet of Things
15	Ritvik Dhanraj Chauhan	ऋत्वीक धनराज चौहान	D18CE010	July 2022	Traffic Behaviour and Surrogate Safety Assessment using Rear-End Conflicts at Signalized Intersections under Disordered Traffic Conditions
16	Nandini Moondra	नंदिनी मूँदड़ा	D17CE011	August 2022	Treatability Study of Domestic Wastewater using Microalgae and Bacterial Consortia
17	Shah Sonal Dilip	शाह सोनल दिलीप	DS14AM002	August 2022	Impact of Duration and Temperature of Metakaolin Calcination on the Performance of High-Grade Concrete
18	Vasiya Vipulkumar Mahendrasinh	वासिया विपुलकुमार महेन्द्रसिंह	D15AM001	August 2022	An Experimental Study on Soft Soil using Corex Steel Slag Blended with Terrazyme Treated Clay
19	Prasad Rajnikant Bijendra	प्रसाद रजनीकांत बिजेन्द्र	DS17CE005	August 2022	Constructed Wetland-Floating Plant (Eichhornia Crassipes) Treatment System and Filtration System for Greywater Treatment

DOCTOR OF PHILOSOPHY IN COMPUTER ENGINEERING

Sr.	Name	Name in Hindi	Adm. No.	Month & Year of Passing	Thesis Title
1	Dhanani Jenish Jayantibhai	धानाणी जेनिश जयंतीभाई	D16CO002	February 2022	Scalable Learning of Text Embedding for Big Data: Dictionary Based Approaches for Sentiment Analysis of Informal Text and Recommendation System for Formal Text
2	Shah Unnati Sunilkumar	शाह उन्नति सुनीलकुमार	D15CO003	May 2022	Analysis and Investigation of Novel Approaches for Specification and Identification of Conflicts in Non-Functional Requirements
3	Ankur Omprakashji Bang	अंकुर ओमप्रकाशजी बंग	D18CO001	July 2022	Investigating and Devising Security Solutions for Resource Constraint IoT Devices Operating on 6LoWPAN Protocol Stack

DOCTOR OF PHILOSOPHY IN ELECTRICAL ENGINEERING

Sr.	Name	Name in Hindi	Adm. No.	Month & Year of Passing	Thesis Title
1	Bhatt Dhruvi Sanjay	भट्ट ध्रुवी संजय	D17EL001	November 2021	Contributions to the Estimation and Control of Nonlinear Dynamic Systems via Carleman Linearization
2	Lakum Ashokkumar Chamanlal	लकुम अशोककुमार चमनलाल	D14EL007	March 2022	A Novel Approach for Optimal Placement and Sizing of Active Power Filters using Grey Wolf Optimizer and its Variants
3	Aliva Routray	अलीवा राउते	DS16EL002	May 2022	Solar and Wind Energy Driven Distributed Generation Interface for Loss Minimization in Radial Distribution System
4	Vamja Rajan Vinodray	वामजा राजन विनोदराय	D17EL003	June 2022	Induction Motor Driven Solar Photovoltaic Water Pumping Systems - A Topological Investigation
5	Patil Yogesh Punjaram	पाटील योगेश पुंजाराम	DS14EL005	July 2022	Design of Sliding Mode Controllers for Process Control Applications
6	Parmar Ashokkumar Bhikhubhai	परमार अशोककुमार भीखुभाई	D16EL004	July 2022	Supply/Demand-side Resources Sizing and Management in Deregulated Power System: A Comparative Techno-economic Analysis
7	Chavda Jiten Kishorbhai	चावडा जितेन किशोरभाई	DS13EL002	July 2022	Cost-Effective Optimal Sizing of Hybrid Energy Storage System with Inbuilt Energy Management Capability for Small EV Car for an Indian Urban Traffic Condition
8	Krishnav Bhatia	कृष्णव भाटिया	DS16EL005	August 2022	Investigation of Power System Safety through Novel Earthing Systems, Non Uniform Grounding Design and Considering the Mutual Influence of Nearby Groundings

DOCTOR OF PHILOSOPHY IN ELECTRONICS ENGINEERING

Sr.	Name	Name in Hindi	Adm. No.	Month & Year of Passing	Thesis Title
1	Shubhangi Madhukar Mahamuni	शुभांगी मधुकर महामुनी	D10EC609	October 2021	Spectrum Handoff Delay Minimization in Cognitive Radio Network
2	Pathak Hetal Mayur	पाठक हेतल मयुर	DS15EC003	February 2022	A Novel GTEM Structure with Active Area Optimization for Multifrequency Operations
3	Chudasama Vishal Manubhai	चुडासमा विशाल मनुभाई	D16EC002	February 2022	Compact Progressive Approaches for Single Image Super-Resolution using Generative Adversarial Networks
4	Heenabahen Maheshbhai Patel	हिनाबहेन महेशभाई पटेल	D17EC003	August 2022	Night Vision Thermal Image Enhancement for Object Detection using Deep Models

DOCTOR OF PHILOSOPHY IN MECHANICAL ENGINEERING

Sr.	Name	Name in Hindi	Adm. No.	Month & Year of Passing	Thesis Title
1	Sachin Agarwal	सचिन अग्रवाल	D17ME009	October 2021	Selected Study of Humanitarian Supply Chain Management in Indian Context
2	Himanshu Prajapati	हिमांशू प्रजापति	D17ME008	October 2021	Select Study of Reverse Logistics Implementation Issues for Indian Manufacturing Industries
3	Parmar Pranay Sureshbhai	परमार प्रणय सुरेशभाई	D17ME005	November 2021	A Study of Sustainable Lean Six Sigma Implementation in Indian Manufacturing Organizations
4	Wagh Santoshkumar Vasantao	वाघ संतोषकुमार वसंतराव	DS14ME013	December 2021	Investigation on Wear Resistance and Microhardness Characteristics of Cast Iron, Ck45 Steel, En8 Steel, En24 Steel and En36 Steel Under Low Power Laser Hardening Process Treatment
5	Atul Kamalakar Bakare	अतुल कमलाकर बाकरे	DS13ME008	January 2022	Environmental Assisted Crack Growth in Thin Aluminium Alloy Aircraft Structure Repaired with Bonded Patch
6	Chetan Ashok Somani	चेतन अशोक सोमानी	DS14ME005	February 2022	Experimental Investigation of TIG-MIG Hybrid Welding Process
7	Vyavahare Swapnil Shivram	व्यवहारे स्वप्निल शिवराम	D18ME002	March 2022	Experimental Investigation on Auxetic Cellular Structures Manufactured by Material Extrusion Technique of Additive Manufacturing
8	Vinay Kumar	विनय कुमार	D13ME003	March 2022	Experimental Study of Textured Journal Bearings Lubricated Under Contaminated Conditions
9	Chhotani Paresh Chandrakant	छोटाणी परेश चंद्रकांत	DS16ME004	May 2022	Performance Enhancement of Cylindrical Roller Thrust Bearings by using end Hemispherical Cavities
10	Sagar Kalpak Ramakantrao	सगर कल्पक रमाकांतराव	D17ME010	June 2022	Experimental Investigations on Novel Condenser Based Cryogenic Pulsating Heat Pipes
11	Vaghela Manojkumar B.	वाघेला मनोजकुमार बी.	DS15ME007	July 2022	XFEM Fracture Analysis of Composite Structure with Various Discontinuities

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12	Sachin Prakash Wanare	सचिन प्रकाश वनारे	DS17ME001	July 2022	Investigations on Slurry Abrasive Wear Behaviour of WC Reinforced Ni-Based Hardfacing on 304 Stainless Steel
13	Modi Ashishkumar Jashvantlal	मोदी आशिषकुमार जशवंतलाल	D17ME012	August 2022	Investigation of Thermo-Fluid Performance Characteristics of Fin-and-Tube Heat Exchanger using Modified Rectangular Winglet Vortex Generators
14	Shraddha Pravin Deshpande	श्रद्धा प्रविण देशपांडे	DS14ME006	August 2022	Machining of Selected Grades of Titanium Alloys using Electro-Discharge Machining Process
15	Markad Kanif Machindre	मरकड कनिफ मच्छिन्द्र	D18ME003	August 2022	Structural Analysis of Sandwich and Smart Multi-Phase Composites

DOCTOR OF PHILOSOPHY IN CHEMISTRY

Sr.	Name	Name in Hindi	Adm. No.	Month & Year of Passing	Thesis Title
1	Morawala Dhara Hasmukhbhai	मोरावाला धारा हसमुखभाई	D15CY001	November 2021	Synthesis and Characterization of Mesozeolite H-BEA Catalysts and Their Application in Biomass Derived Levulinic Acid Esterification to Synthesize n-Butyl Levulinate
2	Anil Kumar Jangir	अनिल कुमार जांगिड़	D17CY003	May 2022	Preparation, Characterization and Applications of Pure and Cosolvent-modified Deep Eutectic Solvents
3	Kateshiya Mehulkumar Rameshbhai	कटेशिया मेहुलकुमार रमेशभाई	D17CY004	August 2022	Surface Modifications of Nanomaterials; Synthesis, Characterization and Analytical Applications
4	Patel Dhruvi Mahendrabhai	पटेल ध्रुवी महेन्द्रभाई	DS17CY001	August 2022	Nanoscale Self-Assembly and Aggregation Engineered using Block Copolymers for Targeted Applications

DOCTOR OF PHILOSOPHY IN MATHEMATICS

Sr.	Name	Name in Hindi	Adm. No.	Month & Year of Passing	Thesis Title
1	Bhatt Dhawal Jayantkumar	भट्ट धवल जयंतकुमार	D16MA002	October 2021	On Approximation Properties of Some Linear Positive Operators based on Beta Function
2	Baradol Pravin Revansidda	बाराडोल प्रविण रेवणसिद्ध	D17MA002	November 2021	A Study on Fixed Points in Graphical $b_v(s)$ -Metric Spaces and its Applications
3	Rekh Riddhi Ketankumar	रेख रिध्धी केतनकुमार	D14MA005	November 2021	A Study on Some Multi-Objective Project Management Problems and Their Solutions by Fuzzy Programming Technique
4	Sosa Jaydeepkumar Mulajibhai	सोसा जयदीपकुमार मुलजीभाई	D16MA001	June 2022	A Study on Multi-Objective Transportation Problems with Genetic Algorithm based Hybrid Solution Approach
5	Juhi Kesarwani	जूही केसरवानी	D17MA001	July 2022	Computational Study of Forced Imbibition Phenomenon in Two-Phase Fluid Flow Through Water-Wet Cracked and Fractured Porous Media Arising in the Oil Recovery Process
6	Sheth Shruti Sureshkumar	शेठ श्रुति सुरेशकुमार	D18MA005	August 2022	Mathematical Modelling of the Growth and Control of Glioblastoma Brain Tumor Cells

DOCTOR OF PHILOSOPHY IN PHYSICS

Sr.	Name	Name in Hindi	Adm. No.	Month & Year of Passing	Thesis Title
1	Sharad Kumar Upadhyay	शरद कुमार उपाध्याय	DS16PH001	February 2022	Study of Coulomb Drag in Non-Homogeneous Dielectric Medium
2	Pushkar Mishra	पुष्कर मिश्रा	DS17PH004	February 2022	A Theoretical Study of 2D Boron Monochalcogenide BX (X=S, Se, Te) for Energy Storage/Conversion Applications
3	Vikas Kiritbhai Patel	विकास किरीटभाई पटेल	DS17PH002	May 2022	Spectroscopy of Heavy Flavoured Mesons
4	Kumavat Sandip Rohidas	कुमावत संदिप रोहिदास	D18PH002	July 2022	Novel Hybrid Halide Perovskites Investigation of Potential Properties using ab-initio Approach

DOCTOR OF PHILOSOPHY IN ENGLISH

Sr.	Name	Name in Hindi	Adm. No.	Month & Year of Passing	Thesis Title
1	Pillai Anila Aravindakshan	पिल्लई अनीला अरविंदाक्षन	D18EN001	July 2022	Leadership Skills form the Retellings: Foreshadowing 'The Other' in the Mahabharata