

L. D. College of Engineering, Ahmedabad

List of publications by permanent faculty members during the academic years 2017-18, 2018-19, 2019-20, and 2020-21

Name of the Dept.	Journal				
	International	National	Scopus indexed	WoS	Total Paper Published
Applied Mechanics	63	25	2	2	88
Applied Sc & Humanities	10	4	8	1	14
Automobile	5	18	4	4	23
Biomedical	6	0	3	1	6
Chemical	19	0	14	11	19
Civil	92	4	8	1	96
CE	9	19	7	2	28
EC	32	4	24	8	36
Electrical Engineering	22	2	5	0	24
Enviornment	0	0	0	0	0
IC	17	0	2	2	17
IT	119	0	10	1	119
Mechanical	40	0	11	0	40
Rubber Technology	15	8	1	0	23
Plastic Technology	3	0	1	0	3
Textile Technology	12	0	0	0	12
Total	464	84	99	33	548

L. D. College of Engineering, Ahmedabad

List of publications by permanent faculty members in **International Journals** during the academic year 2017-18, 2018-19, 2019-20, and 2020-21

Sr. No.	Department	Faculty Name	Paper Title	Name of the Journal	Publication Academic Year (2017-18, 2018-19, 2019-20, 2020-21)	National or International Journal	Scopus Index? Yes/No	Indexed in Web of Science? Yes/No
1	Applied Mechanics	Dr. H. S. Patel	EFFECT OF PACKING DENSITY PROPERTIES OF SELF COMPACTING CONCRETE	International Journal of Civil Engineering and Technology (IJCIET)	2018-19	International	Yes	No
2	Applied Mechanics	Prof. S. R. Singh	Experimental Study on Retaining Walls with Narrow Cohesionless backfill Using Arching Theory	ENGINEERING, MONITORING, AND MANAGEMENT OF GEOTECHNICAL INFRASTRUCTURE (GEO-CONGRESS 2020)	2020-21	International	No	Yes
3	Applied Mechanics	Prof. S. R. Singh	Effect of microbial induced calcite precipitation on strength improvement of Marine clays	BIOSCIENCE BIOTECHNOLOGY RESEARCH COMMUNICATIONS	2020-21	International	No	Yes
4	Applied Mechanics	Prof. S. R. Singh	study of Narrow-Reinforced Earth Wall-A Review	Indian Geotechnical Conference-2019	2020-21	International	Yes	No
5	Applied Sciences and Humanities	Prof. Hiral Raval	Growth and Characterizations of Organic NLO Imidazolium L-Tartrate (IMLT) Single Crystal	Advances in Condensed Matter Physics	2018-19	International	Yes	No
6	Applied Sciences and Humanities	Brijesh Kumar Tripathi	Nonholonomic Frames for Finsler Spaces with deformed (alpha,beta)-metric	Italian Journal of Pure and Applied Mathematics	2018-19	International	Yes	No
7	Applied Sciences and Humanities	Brijesh Kumar Tripathi	On Finsler Spaces with unified main scalar $L^2 C = \beta$.	Surveys in Mathematics and its Applications	2018-20	International	Yes	No
8	Applied Sciences and Humanities	Yogita R Sharma	Propagation of longitudinal electro-kinetic waves in III-nitride semiconductor with participating ion colloids	AIP Conference Proceeding	2019-20	International	Yes	No
9	Applied Sciences and Humanities	Yogita R Sharma	Influence of magnetic field on longitudinal electro-kinetic modes in a magnetized GaN semiconductor embedded with nano sized ion colloids	AIP Conference Proceeding	2019-20	International	Yes	No

10	Applied Sciences and Humanities	Yogita R Sharma	Effects of nano sized ion grains on parametric interaction of laser in n-type III-V semiconductor	AIP Conference Proceeding	2019-20	International	Yes	No
11	Applied Sciences and Humanities	Brijesh Kumar Tripathi	Hypersurfaces of a Finsler Space with deformed Berwald Infinite Series Metric	TWMS Journal of Applied and Engineering Mathematics	2019-20	International	Yes	No
12	Applied Sciences and Humanities	Brijesh Kumar Tripathi	Hypersurfaces of a Finsler Space with exponential (alpha,beta)-metric	Annals of the University of Craiova Mathematics and Computer Sciences Series'	2019-20	International	Yes	Yes
13	Automobile	Dr P D Patel	Bio fuels for compression ignition engine: A review on engine performance, emission and life cycle analysis	Renewable and Sustainable Energy Reviews- Elsevier	2017-18	International	Yes	Yes
14	Automobile	Dr P D Patel	Box-Behnken response surface methodology for optimization of operational parameters of compression ignition engine fuelled with a blend of	Biofuels - Taylor & Francis	2017-18	International	Yes	Yes
15	Automobile	Dr P D Patel	Experimental investigation on reduction of NOx emission of compression ignition engine fuelled with bio-diesel and diethyl ether	International Journal of Global Warming - Inderscience Publishers (IEL)	2017-18	International	Yes	Yes
16	Automobile	Dr P D Patel	Study on tribological behavior of biodiesel-Diethyl ether (B20A4) blend for long run test on compression ignition engine	Fuel - Elsevier	2018-19	International	Yes	Yes
17	Biomedical	Prof. Utkarsh V Pancholi	Low density culture of mammalian primary neurons in compartmentalized microfluidic devices	Biomed Microdevices (2019) 21: 67.Springer	2019-20	International	Yes	No
18	Biomedical	Prof. Bhavesh Parmar	Assistive device using computer vision and image processing for visually impaired; review and current status, https://doi.org/10.1080/17483107.2020	Taylor & Francis, Journal of Disability and Rehabilitation: Assistive Technology, ISSN: 1748-3115	2020-21	International	Yes	Yes
19	Biomedical	Prof. Bhavesh Parmar	Brain Tumor Segmentation and Survival Prediction using Patch based Modified UNET	Springer Lecture note in Computer Science	2020-21	International	Yes	No
20	Chemical	P.H.Rana	Bioethanol valorization via its gas phase oxidation over Au &/or Ag supported on various oxides	Journal of Industrial and Engineering chemistry	2017-18	International	Yes	Yes
21	Chemical	P.H.Rana	Bioethanol Selective Oxidation to Acetaldehyde over Ag-CeO2: Role of Metal-Support Interactions	New Journal of Chemistry	2017-18	International	Yes	Yes

22	Chemical	P.H.Rana	Effect of Ni coating on iron electrode for COD removal of Textile dye waste water”	International journal of Environment and waste management	2018-19	International	Yes	No
23	Chemical	P.H.Rana	Role of Oxygen Storage/Supply Capacity of Mixed Oxides of Ce and Zr in Ethanol Oxidation	Chemical Engineering Research and Design	2018-19	International	Yes	Yes
24	Chemical	P.H.Rana	Esterification of bioplatform molecule succinic acid using ZSM-5 and HZSM-5 catalysts	Indian Chemical Engineer	2019-20	International	Yes	No
25	Chemical	S. M. Dutta	Prospect of ionic liquids and deep eutectic solvents as new generation draw solution in forward osmosis process	Journal of Water Process Engineering, Elsevier Pub	2017-18	International	Yes	Yes
26	Chemical	Ronak Patel, Sanjay Patel	Renewable hydrogen production from butanol: a review	Clean Energy	2017-18	International	Yes	No
27	Chemical	S. M. Dutta	Feasibility of forward osmosis using ultra low pressure RO membrane and Glauber salt as draw solute for wastewater treatment	Journal of Environmental Chemical Engineering, Elsevier Pub	2018-19	International	Yes	Yes
28	Chemical	S. M. Dutta	Dewatering of Brackish Water and Wastewater by an Integrated Forward Osmosis and Nanofiltration System for Direct Fertigation	Arabian Journal for Science & Engineering, Springer Pub	2018-19	International	Yes	Yes
29	Chemical	Ronak Patel, Sanjay Patel, Milind Joshipura	Thermodynamic analysis and heat integration for hydrogen production from bio-butanol for SOFC application: Steam reforming vs. autothermal	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2018-19	International	Yes	Yes
30	Chemical	S. M. Dutta	Performance of low pressure nanofiltration membrane in forward osmosis using magnesium chloride as draw solute	Journal of Water Process Engineering, Elsevier Pub	2019-20	International	Yes	Yes
31	Chemical	Hiral Pandya	Comprehensive review on application of various nanoparticles for the production of biodiesel	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Taylor and Francis	2019-20	International	Yes	Yes
32	Chemical	Ronak Patel, Sanjay Patel, Dharamashi Rabari	Feasibility analysis of Ca-looping sorption enhanced steam reforming of bio-butanol for SOFC application: comparative study with steam and auto-	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2019-20	International	Yes	Yes
33	Chemical	T. S. Rajaraman	Black TiO ₂ : A review of its properties and conflicting trends	Chemical Engineering Journal	2019-20	International	Yes	Yes

34	Civil Engg	Dr. P. J. Gundaliya	Bus stop network catchment analysis of integrated feeder service for public bus transit system - A case study of Ahmedabad city	World Review of Intermodal Transportation Research (WRITR) Vol. 7 No. 1, Pg no. 80-90 DOI: 10.1504/WRITR.2018.089534	2018-19	International	Yes	No
35	Civil Engg	Dr. P. J. Gundaliya	Value for money factors in Indian public-private partnership road projects: An exploratory approach	Journal of Project Management	2018-19	International	Yes	No
36	Civil Engg	Dr. Rajesh Jain	Influence of cohesion on scour at wake of partially submerged spur dikes in cohesive sediment mixtures	Journal of Hydraulic Engineering	2018-19	International	Yes	No
37	Civil Engg	Dr. Rajesh Jain	Flow behaviour around spur dyke founded in cohesive sediment mixtures	Water management Journal	2019-20	International	Yes	No
38	Civil Engg	Dr. P. J. Gundaliya	Value for money factors in Indian public-private partnership road projects: An exploratory approach	Journal of Project Management, Volume 6, October 2020 (http://dx.doi.org/10.5267/j.jpm.2020.10.002)	2020-21	International	Yes	No
39	Civil Engg	Dr. P. J. Gundaliya	Negative factors in implementing public-private partnership in Indian road projects	International Journal of Construction Management, Taylor & Francis Online (https://doi.org/10.1080/15623599.2020.1857672)	2020-21	International	No	Yes
40	Civil Engg	Dr. M. M. Shaikh	Automatic calibration of swat hydrological model by SUFI-2 algorithm	International Journal of Hydrology Science and Technology. 1. 1. 10.1504/IJHST.2021.10036580	2020-21	International	Yes	No
41	Civil Engg	Dr. M. M. Shaikh	A Framework to perform Land-use Change Detection of the Watershed Using GeoSpatial Techniques	Journal of Xidian University (scopus indexed) (https://doi.org/10.37896/jxu14.10/066), Vol. 14(10), p. 618-623	2020-21	International	Yes	No
42	Civil Engg	Dr. M. S. Gadhavi	Quantifying seismic induced damage at ancient site Manjal located in Kachchh Mainland region of Gujarat, India	Journal of Archaeological Science: Reports, 2020, 33, 102486	2020-21	International	Yes	No
43	Computer Engineering	Prof. Domadiya Nikunj	Privacy preserving distributed association rule mining approach on vertically partitioned healthcare data.	Procedia computer science journal	2018-19	International	Yes	Yes
44	Computer Engineering	Prof. Hitesh Rajput	A Parallelism Technique to Improve Signature Based Intrusion Detection System	Asian Journal of Convergence in Technology, Volume IV Issue II, ISSN NO: 2350-1146	2018-19	International	Yes	No
45	Computer Engineering	Prof. Jay Dave	SPARK: Secure Pseudorandom Key-based Encryption for Deduplicated Storage.	Computer Communications 154 (2020): 148-159, Elsevier.	2019-20	International	Yes	Yes

46	Computer Engineering	Prof. Vimalkumar B Vaghela	K-Anonymization Approach FOR Privacy Preserving IN Data Mining	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	2019-20	International	Yes	No
47	Computer Engineering	Dr. S.M. Shah	VM Relocation based Energy Reduction in Green Cloud Computing	Journal of Xidian University	2019-20	International	Yes	No
48	Computer Engineering	Prof. Jay Dave	Secure Proof of Ownership Using Merkle Tree for Deduplicated Storage	Automatic Control and Computer Sciences, 54(4), pp.358-370, Springer.	2020-21	International	Yes	No
49	EC	Prof. P.P.Prajapati and Prof. M. V. Shah	Performance estimation of differential evolution, particle swarm optimization, and cuckoo search algorithms	International Journal of Intelligent Systems and Applications (IJISA)	2017-18	International	Yes	No
50	EC	Prof. P.P.Prajapati and Prof. M. V. Shah	Automated sizing methodology for CMOS Miller operational transconductance amplifier	Soft Computing: Theories and Applications, Advances in Intelligent Systems and Computing, Springer	2017-18	International	Yes	No
51	EC	Prof. Kinnar Vaghela	G.729, G.723.1, G.722.2 ITU-T Speech Codecs: A Review	International Journal for Research in Technological Studies	2017-18	International	No	No
52	EC	Prof. Kinnar Vaghela	Speech signal with Enhanced Multi – Pulse excitation codevector with Minimized Mean Square Error	International Journal for Research in Technological Studies	2017-18	International	No	No
53	EC	Prof. Kinnar Vaghela	Performance Analysis of Routing Protocols for 802.11p Including Propagation Models	International Journal of Advance Research and Innovative Ideas in Education	2017-18	International	No	No
54	EC	Dr. Nirali kotak	Design of Wideband Planar Inverted F-Antenna (PIFA) for Wireless Communication Devices	International Journal of Scientific Research in Science, Engineering and Technology, ISSN: 2394-4099	2017-18	International	No	No
55	EC	Dr. Nirali kotak	Slotted Microstrip Patch Antenna: A Way to Improve the Performance of Microstrip Patch Antenna	International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, vol. 6, issue. 2	2017-18	International	No	No
56	EC	Prof. (Dr.) Bhavin S.Sedani	PERFORMANCE ANALYSIS OF GUIDED & UNGUIDED CHANNELS IN OPTICAL COMMUNICATION SYSTEMS IN C-BAND	INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS ISSN: 2320-2882	2017-18	International	No	No
57	EC	Prof. (Dr.) Sanjay Prajapati	Parallel Multilevel Cell STT-MRAMs for Optimized Area Energy and Read-Write Operations	IEEE Transactions on Magnetics	2017-18	International	Yes	Yes

58	EC	Prof. P.P.Prajapati and Prof. M. V. Shah	Optimization of CMOS Miller OTA using differential evolutionary algorithm	International Journal of Intelligent Systems and Applications in Engineering	2018-19	International	Yes	No
59	EC	Prof. (Dr.) Sanjay Prajapati	Area and Energy Efficient Series Multilevel Cell STT-MRAMs for Optimized Read-Write Operations	IEEE Transactions on Magnetics	2018-19	International	Yes	Yes
60	EC	Prof. (Dr.) Sanjay Prajapati	Modeling of Magnetic Tunnel Junction for Multilevel STT-MRAM Cell	IEEE Transactions on Nanotechnology	2018-19	International	Yes	Yes
61	EC	Prof. P.P.Prajapati and Prof. M. V. Shah	Automatic sizing of CMOS based analog circuits using cuckoo search algorithm	International Journal of Intelligent Systems Technologies and Applications	2019-20	International	Yes	No
62	EC	Prof. P.P.Prajapati and Prof. M. V. Shah	Automatic circuit design of CMOS Miller OTA using cuckoo search algorithm	International Journal of Applied Metaheuristic Computing	2019-20	International	Yes	Yes
63	EC	Dr. Nirali kotak	L & S band feed system design for high gain GNSS antenna system for Earth stations	International Journal of Scientific and Technology Reserch	2019-20	International	Yes	No
64	EC	Prof. (Dr.) Sanjay Prajapati	Energy-Efficient Differential Spin Hall MRAM-Based 4-2 Magnetic Compressor	IEEE Transactions on Magnetics	2019-20	International	Yes	Yes
65	EC	Prof. (Dr.) Sanjay Prajapati	Performance Analysis of Differential Spin Hall Effect (DSHE)-MRAM based Logic Gates	Circuit World	2019-20	International	Yes	Yes
66	EC	Prof. K V Patel and Prof. M. V. Shah	Development of AHB-Lite System Verilog based VIP ith Assertion	International Journal for Research in Applied Science & Engineering Technology	2019-20	International	No	No
67	EC	Prof. (Dr.) Bhavin S.Sedani	Simulation and Performance Enhancement of High Efficiency Video Coding Standard for	Scopus Indexed International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-11,	2019-20	International	Yes	No
68	EC	Prof. (Dr.) Bhavin S.Sedani	Deep Q Learning in Stabilization of Inverted Pendulum	Scopus Indexed International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2,	2019-20	International	Yes	No
69	EC	Prof. (Dr.) Bhavin S.Sedani	L & S band feed system design for high gain GNSS antenna system for Earth stations	International Journal of Scientific and Technology Reserch	2019-20	International	Yes	No

70	EC	Prof. (Dr.) Bhavin S.Sedani	Transition from 4G to 5G technology: High speed mobile communication perspectives	International Journal of Advanced Science and Technology	2019-20	International	Yes	No
71	EC	Prof. (Dr.) Bhavin S.Sedani	Extended Compact Genetic Algorithm for Inverted Pendulum Stabilization	International Journal of Advanced Science and Technology	2019-20	International	Yes	No
72	EC	Prof. (Dr.) Bhavin S.Sedani	Genetic Algorithm and Particle Swarm Optimization Techniques for Inverted Pendulum Stabilization	International Journal of Advanced Science and Technology	2019-20	International	Yes	No
73	EC	Dr. Nirali kotak	Transition from 4G to 5G technology: High speed mobile communication perspectives	International Journal of Advanced Science and Technology	2019-20	International	Yes	No
74	EC	Dr. Nirali kotak	Designing and simulation of 30Gbps FSO communication link under different atmospheric and cloud conditions	International Journal of Engineering Trends and Technology	2020-21	International	Yes	No
75	EC	Dr. Nirali kotak	Critical review on effect of 5G technology on covid-19 and human health issues	Journal of Scientific Research	2020-21	International	Yes	No
76	EC	Prof. (Dr.) Bhavin S.Sedani	Designing and simulation of 30Gbps FSO communication link under different atmospheric and cloud conditions	International Journal of Engineering Trends and Technology	2020-21	International	Yes	No
77	EC	Prof. (Dr.) Bhavin S.Sedani	Critical review on effect of 5G technology on covid-19 and human health issues	Journal of Scientific Research	2020-21	International	Yes	No
78	EC	Prof. (Dr.) Sanjay Prajapati	High Performance Computing-in-Memory Architecture based on Single and Multilevel Cell Differential Spin Hall MRAM	IEEE Transactions on Magnetics	2020-21	International	Yes	Yes
79	EC	Prof. (Dr.) Sanjay Prajapati	High Performance Computing-in-Memory Architecture using STT/SOT-based Series Triple-Level Cell MRAM	IEEE Transactions on Magnetics	2020-21	International	Yes	Yes
80	Electrical Engineering	J. K. Chavda	Energy Management of an Electric Vehicle by hybrid Energy Storage System with Novel Control Strategy	Journal of Advance Research in Dynamical & Control Systems" Volume No: 11 Issue No: 04	2018-19	International	Yes	No
81	Electrical Engineering	J. K. Chavda	Combined Sizing & Energy Management of Hess for an Electric Vehicle by PSO with Novel Power Sharing Control Strategy	International Journal of Innovative Technology and Exploring Engineering (IJITEE)" Volume No: 8 Issue No: 6	2018-19	International	Yes	No

82	Electrical Engineering	Prof. K.B . Kela	Reliability Optimization of electrical distribution systems considering expenditures on maintenance and customer interruptions	Indonesian Journal of Electrical Engineering and Computer Science." Volume No: 14 Issue No: 3	2018-19	International	Yes	No
83	Electrical Engineering	Prof. B.J. Shah	An LMI approach with pole placement objective for the design of robust SSSC controller for damping inter-area mode oscillation considering global signal	International Journal of Engineering & Technology, UAE (SCOPUS Indexed)" 6th June 2018,SJR:0.135 SJR:0.135	2018-19	International	Yes	No
84	Electrical Engineering	Jiten K Chavda	Optimal energy allocation and sizing in evs for hybrid energy storage system consisting battery and super capacitor	Journal of Green Engineering" volume no:10 issue no:3 Page no: 1035-1052 paid: NOISSN: 1904-4720 (Print) ISSN: 2245-4586 (Online), Scopus: 0.19	2019-20	International	Yes	No
85	IC Engineering	D.V. Raininga	Energy optimization using metaheuristic bat algorithm assisted controller tuning for industrial and residential applications	Transactions of the institute of measurement and control, vol. 40, issue 7, 2018	2017-18	International	Yes	Yes
86	IC Engineering	Dr. Manish Thakker	Single-Bit, Self-Powered Digital Counter Using a Wiegand Sensor for Rotary Applications	Sensors 2020, 20(14), 3840; https://doi.org/10.3390/s20143840	2019-20	International	Yes	Yes
87	Information Technology	Purvi Ramanuj	Volume Rendering for Weather Data using Ray-casting Algorithm on Web	Test engineering and management	2019-20	International	Yes	No
88	Information Technology	Purvi Ramanuj	Big Data Analytics System for Health Care: A Literature Review	Test engineering and management	2019-20	International	Yes	No
89	Information Technology	Purvi Ramanuj	Software-Defined Network: Importance and Issues	Test engineering and management	2019-20	International	Yes	No
90	Information Technology	Swati Patel	Meteorological Big Data Mining: A survey	Test engineering and management	2019-20	International	Yes	No
91	Information Technology	Prof swati j Patel	Meteorological Big Data Mining : A survey	Test Engineering and Management	2019-20	International	Yes	No
92	Information Technology	Prof Bakul B Panchal	An Empirical Study on Server Consolidation Process in Cloud Computing Environment	Test Engineering and Management	2019-20	International	Yes	No
93	Information Technology	Hiteishi Milind Diwanji	Unimodal to Multimodal Emotion Recognition: A systematic Review	Test Engineering and Management	2019-20	International	Yes	No

94	Information Technology	Mehul Chandrakant Parikh	Brain Tumor Segmentation and Survival Prediction using Patch based Modified UNET	Springer Lecture note in Computer Science	2019-20	International	Yes	No
95	Information Technology	Hiteishi Milind Diwanji	Trust Computation using Belief Model in Mobile Ad Hoc Network Avoiding Ballot Stuffing and Bad Mouthing	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019-20	International	Yes	No
96	Information Technology	Dr purvi Ramanuj	Optimizing Recommender System: Literature Review	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	2020-21	International	Yes	Yes
97	Mechanical Engineering	Prof. G N Sutaria	A review paper on overview of Hybrid vehicle and its recent market size of electric vehicle	International Journal of Advance Engineering and Research Development	2017-18	International	Yes	No
98	Mechanical Engineering	Prof. G N Sutaria	Hydrogen as an additive in internal combustion engines - a review	International Journal for Research in Engineering Application & Management (IJREAM)	2017-18	International	Yes	No
99	Mechanical Engineering	Prof. G N Sutaria	Effect of supercharging & injection pressure on c.i. engine performance characteristic with palm biodiesel - diesel blend	International Journal for Research in Engineering Application & Management (IJREAM)	2017-18	International	Yes	No
100	Mechanical Engineering	Dr U A Patel	Numerical Investigation For The Determination Of Equal Vibration Amplitude Of The Linear Undamped Vibrating System Using Conventional	International Journal of Advanced Science and Technology Vol. 29, No. 9s, (2020), pp. 6758-6765	2019-20	International	Yes	No
101	Mechanical Engineering	Dr. Komal G Dave and Miss Krupa Patel	Review on design of main post insulator of DNB beam source for INTF vacuum vessel	International Journal of Advance Engineering and Research Development	2017-18	International	Yes	No
102	Mechanical Engineering	Dr. Hiran Gajera and Dr. Komal G Dave	Multi objective optimization of end milling process parameter using AI techniques: A review	International Journal of Advance Engineering and Research Development ISSN:2348-4470, PRINT ISSN: 2348-6406	2017-18	International	Yes	No
103	Mechanical Engineering	Dr. Hiran Gajera and Dr. Komal G Dave	A review: challenges stand off for tooling material in AM field	International Journal of Advance Engineering and Research Development ISSN:2347-4470, PRINT ISSN: 2347-6407	2017-18	International	Yes	No
104	Mechanical Engineering	Dr. Hiran Gajera and Dr. Komal G Dave	An effect of DMLS process parameter on surface roughness and dimensional accuracy of CL50WS material	International Journal for Research in Engineering Application and Management ISSN:2554-9150	2017-18	International	Yes	No
105	Mechanical Engineering	Dr. Komal G Dave , Prof Samir Shah	Design and analysis of sonotrode for ultrasonic consolidation	Journal of Emerging Technologies and Innovative Research	2018-19	International	Yes	No

106	Mechanical Engineering	Dr. Komal G Dave , Mr. Gulam Husen	Activated flux tungsten inert gas welding process to improve penetration in copper material	International Journal of Technical Innovation in Modern Engineering and Science	2018-19	International	Yes	No
107	Mechanical Engineering	Dr. Hiren Gajera and Dr. Komal G Dave , Mr. Hardik Nadiyadi	Effects of powder bed fusion process parameters on hardness for Inconel 718, https://doi.org/10.1016/j.matpr.2020.06388	Materials Today: Proceedings, Elsevier publication,	2019-20	International	Yes	No
108	Mechanical Engineering	Dr. Komal G Dave and Prof J G parmar	Prediction of End Milling Process Parameters Using Artificial neural network, https://doi.org/10.1016/j.matpr.2020.09644	Materials Today: Proceedings, Elsevier publication,	2019-20	International	Yes	No
109	Mechanical Engineering	Dr. Komal G Dave and Prof Sanyay zala, Dr. A V gohil	Critical Success Factors and Impending Factors for Implementing Change Methods in Small and Medium Scale <i>Automobile Manufacturing</i>	Materials Today: Proceedings, Elsevier publication,	2019-20	International	Yes	No
110	Mechanical Engineering	Dr. Komal G Dave and Prof Nirav mehta , Dr. A V Gohil	Development of Casting Defect Analysis Module through Integrated Approach for Small and Medium Scale Industries https://doi.org/10.1016/j.matpr.2020.09644	Materials Today: Proceedings, Elsevier publication,	2019-20	International	Yes	No
111	Mechanical Engineering	Dr. Komal G Dave and Prof Maulik Patel,	A review on tool rotational speed and tool transverse speed effects the mechanical properties of friction stir welding	Zeichen Journal ,Vol 6, Issue 9, sept 2020,ISSN No: 0932-4747, Impact factor 4.7	2019-20	International	Yes	No
112	Mechanical Engineering	Dr. Komal G Dave , Prof Dishank Upadyay	Experimental setup for hot turning using K type thermocouple interface with arduino	International Journal for Scientific Research and Development ISSN 23210613	2019-20	International	Yes	No
113	Mechanical Engineering	Dr. Komal G Dave , Prof Dishank Upadyay	Experimental setup for hot turning using induction heating application.	Journal of Emerging Technologies and Innovative Research ISSN 2349-5162	2019-20	International	Yes	No
114	Mechanical Engineering	Dr. Hiran Gajera and Dr. Komal G Dave	Experimental investigation and analysis of dimensional accuracy of laser based powder bed fusion made specimen by application of response surface	Journal of Progressive in Additive Manufacturing (DOI: http://dx.doi.org/10.1007/s40964-019-00076-8 Springer Publisher.	2019-20	International	Yes	No
115	Mechanical Engineering	Dr. Hiran Gajera and Dr. Komal G Dave	Optimization of process parameters of direct metal laser sintering process using fuzzy based desirability function approach	Journal of the Brazilian society of mechanical science and engineering (DOI: http://dx.doi.org/10.1007/s40430-019-1621-2 Springer Publisher)	2019-20	International	Yes	No
116	Mechanical Engineering	Dr. Komal G Dave ,Mr. Sanjay	Experimental characterization of material properties of 3D printed ABS'	Journal of Emerging Technologies and Innovative Research	2019-20	International	Yes	No
117	Mechanical Engineering	Dr N M Bhatt	Louvered fin compact heat exchanger: a comprehensive review	International Journal of Ambient Energy	2019-20	International	Yes	No

118	Mechanical Engineering	Dr N M Bhatt	Numerical Investigation of Effect of Temperature Profile Imposed on the Crucible Surface on Oxygen Incorporated at the Crystal Melt Interface for 450 mm	Silicon	2019-20	International	Yes	No
119	Mechanical Engineering	Dr N M Bhatt	Assessment of Manganese Oxide and Cobalt Oxide Catalysts for Three Way Catalytic Converter	Catalysis in Industry	2019-20	International	Yes	No
120	Mechanical Engineering	Dr N M Bhatt	Review of Passive Heat Transfer Augmentation Techniques for Solar Air Heaters	Journal of Critical Review	2019-20	International	Yes	No
121	Mechanical Engineering	Dr N M Bhatt	Optimizing Neural Network Parameters Using Taguchi's Design of Experiments Approach: An Application for Equivalent Stress Prediction Model of Automobile	Automotive Innovation	2017-18	International	Yes	No
122	Mechanical Engineering	sheetal Pandya	Channel formation during friction stir channeling process—a material flow study using X-ray micro-computed tomography and optical microscopy	Journal of Manufacturing Processes	2019	International	Yes	No
123	Mechanical Engineering	sheetal Pandya	Effect of axial conduction in integral rough friction stir channels: experimental thermo-hydraulic characteristics analyses	Heat and Mass Transfer	2020	International	Yes	No
124	Plastic Technology	Prof.H.C.Shah	The Effect Of Cyclic Olefin Copolymer Loading On Linear Low Density Polyethylene Blends: Characterization By Fourier-Transform Infrared Spectroscopy	INTERNATIONAL JOURNAL OF SCIENTIFIC AND TECHNOLOGY RESEARCH	2019-20	International	Yes	No
125	Rubber Technology	Prof.G.G.Bhatt	Static analysis of automotive wheel rim of different designs	AIP Conference Proceedings 2297, 020014 (2020); https://doi.org/10.1063/5.00	2019-20	International	Yes	No

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List of publications by permanent faculty members in **National Journals** during the academic year 2017-18, 2018-19, 2019-20, and 2020-21

Sr. No.	Department	Faculty Name	Paper Title	Name of the Journal	National or International Journal	Publication Academic Year (2017-18, 2018-19, 2019-20, 2020-21)	Scopus Index? Yes/No	Indexed in Web of Science? Yes/No
52	Computer Engineering	Prof. Domadiya Nikunj	Privacy-preserving association rule mining for horizontally partitioned healthcare data: a case study on the heart diseases.	Sadhana journal	National	2017-18	Yes	No