



L.D.COLLAGE OF ENGINEERING

PATENT FILED BY INNOVATORS OF LDCE

Sr. No.	Patent Title	Patent Application No.	Name of Faculty/Student	Year	Status
1	Advance Application of Industrial Carbon Black	522/MUM/2015	Dr. Sachin Parikh	Feb-2015	Provisional Filed
2	Brain Machine technology Based Wireless Blazing of Traditional Indian Wick Lamp	996/MUM/2015	Dr.Bhavin Sedani, Prof.Ravin Sardhara,Mr. Mohit Vora	March-2015	Published
3	Self Locking Hood Apparatus with retaining Mechanism	201621024264	Mr. Yash N. Shah	July-2016	Published
4	Air Evacuation system for Automobile	201621028390	Mr. PriyankJ. Mojindra	Aug-2016	Published
5	A design and working of a warp beam	201721037944	Prof. Ashwin Thakkar	Oct-2017	Published
6	Livable Floor Energy (LIFE)	201821028109	Ms.DesaiRashi Piyushbhai	July-2018	Published
7	A Light Encrypted Security Mechanism	201821042722	Ms. Shah Annal Jayesh	Nov-2018	Provisional Filed
8	Design of split Rivet Press	201821045557	Mr.Tana P. Gajjar	Dec-2018	Published
9	Waste Water remediation through nano photo catalysis using Solar Energy	201821048258	Mr. MohitM. Agrawal	Dec-2018	Provisional Filed
10	Production of bio-diesel using Nano Particle	201921001613	Mr.KashyapJ. Gandhi,Mr.AniruddhsinhV. Vanar, Mr.AjayM.Gupta, Mr.HimanshuH. Sakerwal	Jan-2019	Provisional Filed
11	Variable size and Multifunctional Trepan Tool	201921002953	Mr.TanayP. Gajjar	Jan-2019	Published (Design)
12	Low Cost Roughness and Rutting Measuring Profiler	201921003142	Mr. Ankit Gupta	Jan-2019	Provisional Filed
13	Multi-Channel High Speed Counters of Programmable Logic Controller on Reconfigurable Field Programmable Gate Array Design	201921002632	Dr. Ankit Shah	Feb-2019	Published

14	Modification of FKM with ultra high molecular weight for polyethylene pharmaceutical hoses	201921006525	Mrs. Rupande Desai	March-2019	Published
15	Hybrid Clay for capturing O ₂	201921013332	Dr M V Shah	April-2019	Published (Granted)
16	Sunflower leaf fiber reinforced natural rubber ciocomposites	201921018250	Prof. Rupande Desai	May-2019	Provisional Filed
17	A portable device to purify water From surface water sources	201921017002	SolankiDhyey Dipakkumar	May-2019	Published
18	Antimicrobial silicone Rubber	201921017511	Prof RupandeDesai	May-2019	Published (Granted)
19	Reducing the wastage of lead tube in propelling Lead pencil	201921023903	RaviHitesh Thakar	June-2019	Provisional Filed
20	Snap B Fixing Arrangement	201921024084	RaviHitesh Thakar	June-2019	Provisional Filed
21	Sand free unfired bricks and Manufacturing method thereof	201921024323	Poonam I. Modi	June-2019	Published (Granted)
22	The trigger assisted preservation System (the trap system)	201921025564 A	DesaiRashiPiyush bhai	August-2019	Published
23	Universal Power Circuit	201921048479	Prince Dadhaniya	Nov-2019	Published
24	Advance data logger	201921051652	OzaVishesh Ketankumar	Dec-2019	Published (Granted)
25	A Method of Electro spinning for nano fibers at low cost and high production	201921052464	Anupam Patel	Dec-2019	Provisional Filed
26	Ionic liquid application as Curative for Unsaturated rubber	201921053193	Akash Limbani	Dec-2019	Published
27	Optimized Energetic Solar dryer	201921053687 A	NakumHasmukh Govindbhai	Dec-2019	Published (Granted)
28	Laser Controlled infusion monitoring unit for smart healthcare system	202021005429A	Nakum Hasmukh Govindbhai	Feb-2020	Published (Granted)

29	Under water Inspection vehicle - 1.0	202021011354	Shah Jinay Kiritkumar	March-2020	Published (Granted)
30	NIVARAN - "Non Invasive Vital sign & Respiratory Analyzer"	202021017788	PatelKaran Devenrdabhai	April-2020	Published
31	PRAN-"Protective Respiratory Auxiliary Node"	202021019725	Panchal Chahana Kalpan	May-2020	Published (Granted)
32	eDRA - "Early Diagnosis of Rheumatoid Arthritis: Non-invasively"	202021021772	Mistry Karan	May-2020	Published
33	Aqua Cleaner	202021024093	Neel Maradia	June-2020	Published
34	Smart Saline Bottle	202021029121	Hardik Gohil	July-2020	Published (Granted)
35	Flow rate based Fuel Quantity Measurement and Advance SMS system for Passenger and Commercial vehicle	202021029692	Nisharg Ranpura	July-2020	Published (Granted)
36	Multilayer Fabric for Electromagnetic Shielding	202021031962	Jay Maniar	July-2020	Published
37	Machine Intelligence Based Smart Camera Surveillance System	202021028608	Sagar Dixit	July-2020	Published (Granted)
38	Indirectly heated powder fill cathode for electron gun	202021035225	Shivam Gothi	Aug-2020	Published (Granted)
39	Virus detection of body	202021035226	Tirth Mehta	Aug-2020	Provisional Filed
40	Batt co Gen	202021036267	Jeet Dhoriyani	Aug-2020	Provisional Filed
41	Synchronous Phase Detector For Protection Of Three Phase Operated Electrical Appliance	202021033200	Yash Domadiya	Aug-2020	Published (Granted)
42	STAIKER	202021039550	Hir Gandhi	Sept-2020	Provisional Filed
43	Static DVDF Testing Equipment	202021039551	Hir Gandhi	Sept-2020	Provisional Filed

44	System And Method of Teleporting Using Hologram Technology	202021042947	Malav Shah	Oct-2020	Provisional Filed
45	IOT Tyre Pressure and Temperature Monitoring and Alert System	202021043956	Hardik Gohil	Oct-2020	Published
46	Adjustable stand with Flexible Height and Angel Setting	202021044959	Hardik Gohil	Oct-2020	Published
47	Study of Utilization of Industrial Waste in Manufacturing of Building materials	202021045976	Kanksha Mehta	Oct-2020	Published
48	DRIPTECT	202022046515	Hardik Gohil	Oct-2020	Published (Granted)
49	Electric Kit for converting IC Engine Scooter to EV	202021048283	Kishan Gohel	Nov-2020	Published
50	Planetary Gear Ceiling Fan	202021049148	Meet Bhuvra	Nov-2020	Published (Granted)
51	I-Charge	202021049141	Hitesh Dama	Nov-2020	Provisional Filed
52	Greensts: revolutionizing Underutilized Surface	202021045977	Prapti S. Jain	Nov-2020	Published (Granted)
53	BIOGUARD M20	336956-001	Milan Desai	Dec-2020	Published Design Patent (Granted)
54	TEST CYCLE FOR CENTRIFUGAL CLUTCH	202021056817	DIPESHKUMAR PRAJAPATI	Dec-2020	Published (Granted)
55	Collar diagnosis belt	202121000623	Tirth Bhavin Mehta	Jan-2021	Provisional Filed
56	Centrifugal Clutch Assist System	202121002122	DIPESHKUMAR PRAJAPATI	Jan-2021	Published
57	Eco Green Titanium Dioxide Photolytic catalytic Converter	202121002423	Merja Mayurkumar Gordhanhai	Jan-2021	Published
58	Indoor Air Quality Control By UV Technology in Split Air-conditioning System	202121000499	JimishKumar Thakkar	Jan-2021	Published
59	Rechargeable UV-C Disinfection Mask	202121007365	Saptam Pandya	Feb-2021	Provisional Filed

60	Smart Shovel	202121010811	Jay Patel	March-2021	Published (Granted)
61	GYROLING	202121009400	Hardik Gohil	March-2021	Published
62	Floating Trash Collecting Device	202121021196	Yash Mishra	May-2021	Published (Granted)
63	Grinding Attachment for Vertical Drill Machine	202121023735	Yash Mishra	May-2021	Published
64	Smart dustbin for solid waste	202121025884	Prof. B B Patel	June-2021	Published
65	Modular Hydroponic Assembly for Wastewater Treatment	202121030282	Prof. B B Patel	July-2021	Published
66	Handy Portable Bar Bending Tool for Construction Sites	202121034657	Aditya Pal	Aug-2021	Published
67	Method and System For Moving Object Detection and Sensing	202121035436	Kinjal A Sarda	Aug-2021	Published (Granted)
68	Method for detecting density of Open Cellular hydrophilic porous material without orosity	202121039193	Dhruv Patel	Aug-2021	Published
69	SOLAR-FLUID HEATER	2502/MUM/2010	Nilesh bhatt	Aug-2021	Published (Granted)
70	Assistive Device for Surface Angle Measurement of Tibial Head during Knee Replacement Surgery	202121039705	Emanual Ankit	Sept-2021	Published
71	Smart Flower Pot	348805-001	Dhruv Patel	Sept-2021	Design Patent (Granted)
72	Modified Design of Tweel Tire	D350073-001	Dhruv Patel	Sept-2021	Published Design Patent (Granted)
73	Sterilization Chamber	D350941-001	Jeet Lukhi	Oct-2021	Design Patent
74	Biodiesel preparation device and method using Co doped ZnO Catalyst	202121046521	Suthar Vachan	Oct-2021	Published (Granted)

75	Front Mounting Wind Turbine Unit for Boosting Efficiency of Electric Vehicles	D353314-001	Herak Sanjay Dharsandia, Dhruvkumar Rameshbahi Patel, Rathod Nidhi Kishorkumar, Thakur Virat, Subodh Sheth, Rohan Nageshbhai	Nov-2021	Published DesignPatent (Granted)
76	Solar-Wind Integrated Hybrid Efficiency Boosting Unit for Electric Vehicles	D353327-001	Herak Sanjay Dharsandia, Dhruvkumar Rameshbahi Patel, Rathod Nidhi Kishorkumar, Thakur Virat, Subodh Sheth, Rohan Nageshbhai	Nov-2021	Published DesignPatent (Granted)
77	Grey TiO ₂ synthesis through Aluminum foil assisted NaBH ₄ reduction	202121060193	Yagnik Vankar	Dec-2021	Published (Granted)
78	Advanced Agriculture Greenhouse Climate Control System	355655-001	Dr. M.T.Thakkar	Dec-2021	Design Patent
79	Soil Enrichment through Utilization of Waste Natural Latex gloves	202221003616	Prof. Bhakti Patel & Prof. Rupande N.Desai	Jan-2022	Published
80	Method and recoverability of Propylene Carbonate for green process	202221019493	Parth Shah	March-2022	Published (Granted)
81	System for Respiratory Co ₂ Measurement and Monitoring	202121025400	Prajapati Krunal Rajeshbhai, Prof. Parmar Bhaveshkumar Harishbhai, Panchal Chahna Kalpan	June-2021	Published (Granted)
82	A CARBON DIOXIDE ABSORBED MUNICIPAL SOLID WASTE	202221007256	Dr.Manish V.Shah	April-2022	Published
83	PURIFIER FOR AIR CONTAINING AEROSOLS	364622-001	1. Dr. Gajera Hiren M.2. Rathod Nidhi Kishorkumar 3. Panchal Harsh Dineshbhai 4. Shah Harsh Kamleshbhai 5. Patel Karan Ketanbhai	May-2022	Published (Design) (Granted)
84	Hydro Optic Mechanical Solar Tracking Device	202121021196	"1. Mishra Yash Rajneeshbhai 2. Tirth Samirkumar Brahmakshatriya	Aug-2022	Filed

			3. Adarsh V Jose 4. Jani Kalpit 5. Gamit Nidhi Divanjabhai 6. Singh Harshita Manojkumar 7. Jadav Jaydeep Yashvantbhai 8. Sarvaiya Khushi Dharmendrabhai 9. Mrunalkumar D. Chaudhari"		
85	An off-board Li-ion & LiFePO4 battery charger with Variable charging rate and Variable charging voltage	202321026649	Dipang patel, Ratnam Shah, Mihir Vasavada, Jay Shah, Shreyas Patel	April-2023	Published
86	Armoured Fighting Vehicle Wagon with Hydraulic Ramp	202321042507	Deep Snehalkumar Shah	June-2023	Published
87	Method for Synthesis of Nano Fiber from Rice Husk	202321042311	Dhruv patel, Prof.Gnanu Bhatt, Saumya Rathod, Sukanya Rathod, shyam Chauhan, Maulik Chauhan, Denis Savaliya	June-2023	Published
88	Natural aggregates free non-structural precast products	202321042287	Vasu Shah, Rushit Chaudhary, Prof.Poonam I. Modi	June-2023	Filed
89	Reinforced Sawdust-based Crumb Rubber	202321042325	Dhruv patel, Prof.Gnanu Bhatt, Kelvin Gajera, Denis Savaliya, Saumya Rathod, Shayam Chauhan	June-2023	Published
90	Remote Signal based Operatable-Motorized Tripper Switching Mechanism for Moulded Case Circuit Breaker	202321080335	Gosai Abhaypuri Kailashpuri, Bhatt Om Ravikumar, Anjariya Jalak Raxeshbhai, Shyara Shwetal Prakashbhai, Sajid Mohmediqbal. Patel, Mohammedirfan Iqbal. Siddique	Nov-2023	Published

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