

Patent- Granted/ Published/ Filed

Filing patents is essential for safeguarding and promoting the department's innovations. This section highlights the patents filed or granted based on the department's research efforts, showcasing its focus on transforming ideas into tangible advancements. By securing intellectual property rights, the department ensures the exclusivity of its innovations and enhances its contributions to industrial and technological development in electrical engineering. This commitment to patenting not only fosters a culture of innovation but also strengthens collaborations with industry and academia.

Sr. No	ACY	Name of all Patentee	Patent Title	Patent Application Number	Patent Status	Patent Filing Date
1.	2024-25	1.) L.D. College of Engineering. 2.) Aryan Raiyani. 3.) Vardhman Solanki. 4.) Niket Vaishnav. 5.) Jaimie Shah. 6.) Parth Parmar. 7.) Jay Chhatrotiya. 8.) Dr. K. A. Bhatt. 9.) Asst. Prof. Fedrik Macwan	IoT-Based Streetlight Switchgear Health Monitoring for enhanced public safety.	202521059468	Published 11/07/25	20/06/25
2.	2024-25	1. L.D. College of Engineering 2. Patel Sneha Bharatbhai 3. Pal Gaurav Rameshprasad 4. Shailendra Gupta 5. Pandya Vaibhav Umesh Bhai 6. Raj Thwani 7. Prince Goswami 8. Adwani Deepak 9. Prof. (Dr.) K. A. Bhatt 10. Prof. (Dr.) J.R. Iyer 11. Prof. (Dr.) K.P. Badgujar	Power Theft Detection In Distribution network Using Nodemcu, Current transducers, And Server Integra	202421079419	Granted 18/10/2024 567761	18/10/24

3.	2024-25	1.) Hormaz Amrolia. 2.) Dr. Ketan P. Badgujar. 3.) Dr. Santosh Kumar C Vora.	System and method for frequency response measurement of electrical machines using square wave and Fourier Transformation.	202521001075 A	Published 31/01/2025	31/01/2025
4.	2024-25	1. L. D. college of Engineering. 2.Jay Vimalkumar Shah 3.Mihir Rameshbhai Vasavada. 4. Dipang Nareshbhai Patel	An off-Board Li-Ion and Lifepo4 Battery Charger With Variable Charging Rate And Variable Charging Voltage' Is Published.	202321026649	Granted 10/04/2023 566603	10-04-2023
5.	2024-25	1.) L. D. college of Engineering 2.) Gosai Abhaypuri Kailashpuri 3.) Bhatt Om Ravikumar 4.) Anjariya Jalak Raxeshbhai 5.) Shyara Shwetal Prakashbhai 6.) Sajid M. Patel 7.) Irfan I Siddique	Remote Signal based Operatable-Motorized Tripper Switching Mechanism for Moulded Case Circuit Breaker	202321080335	Granted 21/02/2025 560884	20/02/25
6.	2023-24	1.) Shivam Nayankumar Gothi 2.) Mitul Gordhanbhai Patel 3.) Dr. Mahipalsinh Chudasama	Indirectly Heated Power Filled Cathode for Electron Gun	20201035225	Granted 07/02/24 508024	15/08/20
7.	2023-24	1.) Bhuva Meet Babubhai 2.) Bodana Mahendrasinh Ratuji 3.) Dabhi Chetan Bharatbhai. 4.) Dr. Vipul Jeshanker Upadhyay	Planetary Geared Brushless DC Motor powered ceiling Fan	202021049148	Granted 30/01/24 505147	10/11/20

8.	2021-22	Vihang M. Dholakiya	A method to determine 3-D Location of an object. Domain: Computer Science	202121042315	Published Design Patent	24/12/21
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