



Shri Vile Parle Kelavani Mandal's

DWARKADAS J.SANGHVI COLLEGE OF ENGINEERING

(Empowered Autonomous) Affiliated to the University of Mumbai



DEPARTMENT OF MECHANICAL ENGINEERING

List of Intellectual Property Rights (IPR) – Design Registrations

Sr. No.	Name of the Faculty	Title	Publisher	Publication Date
1	Hari Vasudevan, K.N Vijaya Kumar, Ramesh Rajguru	Modular Drone Frame	The Patent office, Government of India	24-09-2026
2	Hari Vasudevan, K.N Vijaya Kumar, Rajnarayan Yadav	Brake By Wire System	The Patent office, Government of India	05-08-2026
3	Hari Visudevan, Dhaval Birajdar	Portable Physiotherapy Device	The Patent office, Government of India	23-07-2026
4	Hari Visudevan, Atul Dhale	Autonomous Underwater Vehicle (AUV) For Waste Collection	The Patent office, Government of India	15-07-2026
5	Hari Vasudevan, K.N Vijaya Kumar, Rohitkumar Chaurasia	Sports Playing Robot	The Patent office, Government of India	09-07-202
6	Hari Vasudevan, K.N Vijaya Kumar, Bronin Cyriac	Chassis for Electric Vehicle	The Patent office, Government of India	02-07-2026
7	Hari Vasudevan, K.N Vijaya Kumar, Rajnarayan Yadav	Manually Actuated Steering Assembly	The Patent office, Government of India	24-06-2026
8	Hari Vasudevan, K.N Vijaya Kumar, Vinayak H. Khatawate, Vinit Katira	Single-Circuit Hydraulic Brake Master Cylinder	The Patent office, Government of India	18-06-2026
9	Hari Vasudevan, K.N Vijaya Kumar, Greegory Mathew	Wheel Knuckle for Steering Assembly	The Patent office, Government of India	05-06-2026
10	Hari Vasudevan, Vinayak H. Khatawate	Automatic Staircase Climber	The Patent office, Government of India	04-06-2026
11	Hari Vasudevan, K.N Vijaya Kumar, Vinayak H. Khatawate, Bronin Cyriac	Knuckle Joint for EV	The Patent office, Government of India	02-06-2026
12	Hari Vasudevan, K.N Vijaya Kumar, Rohitkumar Chaurasia	Vertical Spinner	The Patent office, Government of India	29-05-2026
13	Hari Vasudevan, K.N Vijaya Kumar	Aerodynamic Fairing for EV Bike	The Patent office, Government of India	08-01-2026



Shri Vile Parle Kelavani Mandal's

DWARKADAS J.SANGHVI COLLEGE OF ENGINEERING

(Empowered Autonomous) Affiliated to the University of Mumbai



Sr. No.	Name of the Faculty	Title	Publisher	Publication Date
14	Hari Vasudevan, K.N Vijaya Kumar, Dharam Vasant Ranka	Go-Kart – Brake Rotor	The Patent office, Government of India	22-12-2025
15	Hari Vasudevan, K.N Vijaya Kumar, Dharam Vasant Ranka	Go-Kart Chassis	The Patent office, Government of India	01-01-2026
16	Hari Vasudevan, K.N Vijaya Kumar, Vinit Katira, Vinayak H. Khatawate	Electric Race Car Chassis	The Patent office, Government of India	01-01-2026
17	Hari Vasudevan, K.N Vijaya Kumar, Bronin Cyriac	Compact Solar EV Chassis	The Patent office, Government of India	11-12-2025
18	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar	Chassis for Electric Motorcycle	The Patent office, Government of India	25-07-2024
19	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Shashikant Manjabapu Auti	Wing Mounted Landing Gears Set	The Patent office, Government of India	29-04-2024
20	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Bronin Cyriac	Chassis with a Three Wheel Space for a Solar Electric Vehicle	The Patent office, Government of India	26-04-2024
21	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Shashikant Manjabapu Auti	Remote Control Miniature Aircraft	The Patent office, Government of India	22-03-2024
22	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Vinit Katira	Composite Anti Intrusion Plate	The Patent office, Government of India	15-03-2024
23	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar	Electronic Continuous Variable Transmission Device	The Patent office, Government of India	15-03-2024
24	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Mr. Dharam Ranka	Electric Go Kart	The Patent office, Government of India	01-03-2024
25	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Mr. Dharam Ranka	Steering Stub Axle	The Patent office, Government of India	21-02-2024
26	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Prof. Rajnarayan Yadav	Gearbox Casing for All Terrain Vehicle	The Patent office, Government of India	21-02-2024
27	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Prof. Prasad Shirodkar	Windmill Blades	The Patent office, Government of India	21-02-2024
28	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Vinayak H. Khatawate, Kartik Ajugia	Smart Backpack for Trekking	The Patent office, Government of India	25-01-2024



Shri Vile Parle Kelavani Mandal's

DWARKADAS J.SANGHVI COLLEGE OF ENGINEERING

(Empowered Autonomous) Affiliated to the University of Mumbai



Sr. No.	Name of the Faculty	Title	Publisher	Publication Date
29	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Gregory Mathew	Duct for Wind Turbine	The Patent office, Government of India	19-01-2024
30	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Prof. Rajnarayan Yadav	Single Stage Open Differential (Set)	The Patent office, Government of India	12-01-2024
31	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Shashikant Manjabapu Auti	Carbon Fiber Suspension Arms for FSAE Car	The Patent office, Government of India	05-01-2024
32	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Prof. Rajnarayan Yadav	Variable Gear Transmission Device	The Patent office, Government of India	04-01-2024
33	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Gregory Mathew	Upright for Electric Vehicle	The Patent office, Government of India	04-01-2024
34	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar	Waste Segregation Machine	The Patent office, Government of India	01-12-2023
35	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Shashikant Manjabapu Auti	Rear Pin Locking for Aircraft Control	The Patent office, Government of India	03-08-2023
36	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Gregory Mathew	Adjustable Prosthetic Adapter	The Patent office, Government of India	13-07-2023
37	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Vinit Katira	Square Frustrum Impact Attenuator	The Patent office, Government of India	13-06-2023
38	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Vinayak H. Khatawate, Kartik Ajugia	Tree Shaped Forest Fire Combat System	The Patent office, Government of India	06-06-2023
39	Dr. K.N Vijaya Kumar, Dr. Hari Vasudevan, Mr. Dharam Ranka	Chassis for Electric Vehicle Gokart	The Patent office, Government of India	24-05-2023
40	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar	Semi Autonomous Fire Fighting Vehicle	The Patent office, Government of India	24-05-2023
41	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Gregory Mathew	Monocoque Chassis of an Electric Vehicle	The Patent office, Government of India	23-05-2023
42	K.N Vijaya Kumar, Dr. Hari Vasudevan, Bronin Cyriac	Ergonomic Wheel Hub Assembly	The Patent office, Government of India	23-05-2023
43	Dr. K.N Vijaya Kumar, Dr. Hari Vasudevan, Mr. Dharam Ranka	Aerodynamic Go-Kart	The Patent office, Government of India	11-05-2023



Shri Vile Parle Kelavani Mandal's

DWARKADAS J.SANGHVI COLLEGE OF ENGINEERING

(Empowered Autonomous) Affiliated to the University of Mumbai



Sr. No.	Name of the Faculty	Title	Publisher	Publication Date
44	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Rajnarayan Yadav	Steering Wheel Joint	The Patent office, Government of India	05-03-2023
45	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar	Swingarm with Linkages for Electric Motorcycle	The Patent office, Government of India	21-04-2023
46	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Prof. Rajnarayan Yadav	Standard Cycle	The Patent office, Government of India	17-08-2022
47	Dr. K.N. Vijaya Kumar, Dr. Hari Vasudevan, Mr. Prashant Frank Crasta	Automated Solar Powered Grass Cutter	The Patent office, Government of India	02-08-2022
48	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar, Prof. Vinit Katira	Torque Enhancer	The Patent office, Government of India	12-05-2022
49	Dr. Hari Vasudevan, Dr. K.N Vijaya Kumar	Solar Assisted Hybrid Go-Kart	The Patent office, Government of India	11-01-2022
50	Dr. Hari Vasudevan, Dr. K. N Vijaya Kumar	Electric Sports Bike	The Patent office, Government of India	11-05-2021
51	Dr. K.N. Vijayakumar, Dr. Hari Vasudevan, Prof. Rajnarayan Yadav	Stabilizer Spindle for Four-Wheelers	The Patent office, Government of India	15-07-2020
52	Dr. Hari Vasudevan, Dr. KN. Vijaya Kumar	Frame of a Motorbike	The Patent office, Government of India	15-07-2020
53	Dr. K.N. Vijaya Kumar, Dr. Hari Vasudevan, Mr. Bronin Cyriac	Spindle for Vehicles	The Patent office, Government of India	06-05-2020
54	Dr. Hari Vasudevan, Dr. K.N. Vijaya Kumar, Prof. Vinit Katira	Intake Manifold for Two-Wheeler Engines	The Patent office, Government of India	06-05-2020
55	Hari Vasudevan, K.N Vijaya Kumar, Rajnarayan Yadav	Fire Extinguishing Equipped Life-Saving Drone	The Patent office, Government of India	15-09-2019