



Bharati Vidyapeeth  
(Deemed to be University)  
College of Engineering, Pune  
Department of E & Tc Engg



**Patent and Copyright E&TC data-from AY 2020-21 to 2024-25 (Count)**

Sr. No.	Year	Patent Published	Patent Grant	Copyright
1	2021-22	3	3	3
2	2022-23	4	4	4
3	2023-24	2	4	1
4	2024-25	0	2	0

### Year (2021-2022)

Sr.No	Name of Patentee	Patent No.	Applicati on No.	Date of Filing	Date of Grant	Title of Patent	Granted By	Published/ Granted
1	Prof. Rajesh B. Ghongade	392070	20192103 2125	08-08-2019	16/03/20 22	Noninvasive Blood glucose Estimation by Photoplethysmogr aphy	The Patent office, Goverment of India	Granted
2	Prof. Swapnil Shantaram Thorat	2021102 975	–	30/05/20 21	21/07/20 21	THE APPARATUS FOR ENHANCEMENT OF GAIN AND BANDWIDTH OF RECTANGULAR PATCH ANTENNA.	IP Australia	Granted
3	Dr. Sudhir Adhikrao kadam	46/2021	20212105 0227	11-02-2021	11-12-2021	DEEP LEARNING ARCHITECTURE FOR THE RECOGNITION OF HUMAN BEHAVIOUR	Office of Controller General of Patents, Designs & Trade Marks, Mumbai	Publishe d
4	Dr. Sudhir Adhikrao kadam	52/2021	20212105 9118	18/12/20 21	24/12/20 21	DEVELOPMENT OF AN ARTIFICIAL NEURON MODEL WITH AUTONOMOUS WI-FI MICROCONTROLE R WITH M2M COMMUNICATION FOR IOT	Office of Controller General of Patents, Designs & Trade Marks, Mumbai	Publishe d
5	Dr Mrs Pallavi Deshpand e	–	20221100 8812	20/02/20 22	25/02/20 22	The devlopment and optimization of a higher education management system using data mining technology	Office of Controller General of Patents, Designs & Trade Marks, Mumbai	Publishe d

### Year (2022-2023)

Sr.No	Name Of Patentee	Patent No.	Application No.	Date Of Filing	Date Of Grant	Title Of Patent	Granted By	Published/Granted
1	Dr. Rajesh B. Ghongade	401117	201821017915	05-12-2018	07-11-2022	A soft rough set based heart health monitoring system	The Patent office, Government of India	Granted
2	Prof. Rajesh B. Ghongade	400510	201821027705	24/07/2018	30/06/2022	A fuzzy rough based portable miniature diligent system for monitoring of heart condition	The Patent office, Government of India	Granted
2	Dr Mrs Pallavi Deshpande	—	202221073789	20/12/2022	01-06-2023	Implementation of Machine Learning Techniques for Attack and Anomaly Detection in IoT Sensors and sites	The Patent office, Government of India	Published
3	Dr Mrs Pallavi Deshpande	—	202221076922	29/12/2022	13/01/2023	AN EMOTION DETECTION OF CHILD AUTISM SPECTRUM DISORDER USING DEEP LEARNING AND ARTIFICIAL INTELLIGENCE	The Patent office, Government of India	Published
4	Dr. A. Y Prabhakar, Deepak Kumar Ray, Dr. Shruti Oza-Rahurkar	—	202221035644	21/06/2022	07-08-2022	WSN-IOT Clustering for Secure Data Transmission In E-Health Sector using Green Computing Strategy	The Patent office, Government of India	Published

5	Prof.Namita K.Shinde Prof.Payal Kadam	—	202221075 232	24/12/20 22	13/01/20 23	MACHINE LEARNING AND IOT BASED INTELLIGENT WIRELESS COMMUNICAT ION SYSTEM FOR SOLVING REAL WORLD SECURITY ISSUES	The Patent office, Governm ent of India	Publishe d
---	---	---	------------------	----------------	----------------	---	--	---------------

Year(2023-2024)								
Sr. No	Name Of Patentee	Patent No.	Application No.	Date Of Filing	Date Of Grant	Title Of Patent	Granted By	Published/ Granted
1	Chetan S. More	202316590	202316590	30/09/2023	01-03-2024	DATA ANALYSING DEVICE TO ANALYSE THE EMPLOYEE PERFORMANCE	IP Australia	Published
2	Chetan Sambhajirao More	169882	411482-001	24/03/2024	16/5/2024	ANTENNA WITH REDUCED CELLULAR RADIATION	The Patent office, Government of India	Granted Design
3	Namita Shinde and Payal Kadam	392016-001	392016-001	08-05-2023	15/03/2024	Blockchain enabled surveillance Device	The Patent office, Government of India	Granted
4	Dr Shruti Oza	522493	202121052595	16/11/2021	03-08-2024	A Microstrip Antenna	The Patent office, Government of India	Granted
5	Namita K. Shinde	202321089779	202321089779	29/12/2023	22/03/2024	A Handheld device for billing and inventory management	The Patent office, Government of India	Published
6	Dr. Meena Chavan	401416-001	401416-001	12-05-2023	02-01-2024	ELECTRIC VEHICLE TEMPERATURE DETECTION DEVICE	The Patent office, Government of India	Granted Design

YEAR (2024-2025)								
Sr. No	Name Of Patentee	Patent No.	Application No.	Date Of Filing	Date Of Grant	Title Of Patent	Granted By	Published/Granted
1	Dr. Meena Chavan	424437-001	424437-001	24/07/2024	09-05-2024	AI ENABLED FARM ENVIRONMENT MONITORING DEVICE	The Patent office, Government of India	Granted Design
2	Dr. Rajesh Bhaskar Ghongade	6410798	6410798	13/12/2024	15/1/2025	14 RECORDING, TELECOMMUNICATION OR DATA PROCESSING EQUIPMENT	IPO United Kingdom	Granted Design
3	Dr. Rajesh Bhaskar Ghongade	419921-001	419921-001	13/06/2024	30/1/2025	RECHARGEABLE NONINVASIVE GLUCOSE MONITOR DEVICE	The Patent office, Government of India	Granted Design

## CONSULTANCY

SR. NO.	CONSULTANCY WORK	Name of Faculty	COMPANY	DATE OF COMPLETION / RECEIPT OF AMOUNT	AMOUNT RECEIVED (INR)
1	Home Automation System	Dr.Rajesh Ghongade	Mr. Nitin Solanke, Gizmo Total Home Automation and Security Solutions, Pune-58	08-09-2017	50,000
2	Cloud-based GPS tracker for vehicles	Dr.Rajesh Ghongade	Mr. Ajay Kashikar, 3DMLYNX LLP, Pune	12-06-2018	52,500
3	Cloud-based Temperature Data Acquisition System + Front-End Graphical Interface	Dr.Rajesh Ghongade	Dr. Hemant Dhonde, Ashoka Structural Consultants, Pune	24-07-2019	39,000
4	a) Development of Customer Management and Report Generation (Desktop Software) b) PCB Artwork Design	Dr.Rajesh Ghongade	Mr. Nitin Solanke, GIZMO, GA&S Miracle of Modern Technology PVT LTD, Pune-58	29-09-2022	50,000
5	Sensor testing, identification, and authenticity check	Dr.Rajesh Ghongade	Mr. Nitin Solanke, Remote PCB, PCB & EMS Engineering PVT LTD, Vidnyan Nagar, Bavdhan, Pune-21	04-09-2023	50,000
<b>Total Revenue Generated</b>					<b>2,41,500</b>

## Copyright

Sr. No	Title of the copyright	Inventor name	Copyright ID	Year
1	SOFTWARE SUITE FOR CONCRETE MATURITY METER	RAJESH BHASKAR GHONGADE	SW-15560/2022	2021-22
2	ANDROID APP SUITE FOR CONCRETE MATURITY METER	RAJESH BHASKAR GHONGADE	SW-15837/2022	2021-22
3	FIRMWARE FOR CPROBE CONCRETE MATURITY METER	RAJESH BHASKAR GHONGADE	SW-15852/2022	2021-22
4	ARTIFICIAL INTELLIGENCE BASED PERCEPTUAL VIDEO QUALITY ASSESSMENT SYSTEM	DR.MRS.PALLAVI SAGAR DESHPANDE	L-119430/2022	2022-23
5	JFET BIAS DESIGN	RAJESH BHASKAR GHONGADE	SW-16603/2023	2022-23
6	EMOSFET BIASING	RAJESH BHASKAR GHONGADE	SW-16420/2023	2022-23
7	JFET BIASING	RAJESH BHASKAR GHONGADE	SW-16578/2023	2022-23
8	VIRTUAL WIRING PRATICE	RAJESH BHASKAR GHONGADE	SW-19049/2024	2023-24