

BHARATI VIDYAPEETH
(DEEMED to be UNIVERSITY)

COLLEGE OF ENGINEERING, PUNE

Department of Electronics & Communication Engineering

Summary of Research Patents (2021-22 to 2025-26)

Sr. No.	Year	Name of the faculty	Patent Title	Patent Application No.	Filed Date	Published Date
1.	2025-26	Dr. S. R. Madkar	Privacy-Preserving User Authentication Framework Using Blockchain and Zero-Knowledge Proof Techniques	202611035140	23/03/2026	08/05/2026
2.	2025-26	Dr. S. P. Tondare, Mrs. J. S. Morbale, Mrs. A. S. Nigade	Automated Conveyor Belt Alignment System With Load Balancing and Vibration Detection Sensors	202611052988	25/04/2026	29/05/2026
3.	2024-2025	Dr.Arundhati Shinde	A smart agriculture system (FWCMRS)	202421071786	23/9/2024	25/10/2024
4.	2023 - 24	Dr. Meena Chavan	Electric Vehicle Temperature Detection Device	401416-001	05/12/2023	01/02/2024 (Granted)
5.	2022-23	Mrs. S. K. Pawar	Secret key management for distributed wireless sensor network	202211053605	19/09/2022	23/09/2022
6.	2022-23	Dr. Meena Chavan	Bigdata Technique for customer relationship management to improve customisation services	202221028456	18/05/2022	03/06/2022
7.	2021-22	Dr. Tanuja S. Dhope	Sequential touch based text and audio conversion	2021104954	03/01/2022	18/03/2022

			system with artificial intelligence in Hindi Unicode for blind community			
8.	2021-22	Mr. H.S. Hemane	Diagnosing Bone Cancer Using Machine Learning Technology	202221013665	14/03/2022	25/03/2022
9.	2020-21	Dr. S. P. Gaikwad	A Method for Enhancing and Estimating Lifetime of Wireless Ad Hoc Network	202021003501	27/01/2020	16/10/2020