



BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING FOR WOMEN, PUNE

Pune-Satara Road, Dhankawadi, Taluka – Haveli, Dist.- Pune

Accredited by NAAC with “A” Grade, Affiliated to Savitribai Phule Pune University (SPPU) Approved by DTE. Govt. Of Maharashtra and AICTE, New Delhi

DTE Institute Code-EN6285, Pun Code-PU/PN/Engg. /150/2000

Date: 22/1/2026



Intellectual Property Rights (IPR) Cell

Patent Record (Since establishment year 2000 to till date)				
No. of Patents Filed and Published (N)	No. of Patents Granted out of N	No. of Designs Registered out of N	No. of Copyrights Registered out of N	Total
18 (BVCOEW:1, other:17)	06	09 (BVCOEW:1, other:8)	03	36
Patent Record (2025-26)				
01	00	01	01	03
Patent Record (2022-23 to 2024-25)				

10	06	08	02	26
Patent Record (2000 to 2021-22)				
07	00	00	00	07

Year-wise List of Patents Published and Granted

Year	No. of Patents Filed and Published- Indian: I, other country: O (P)	No. of Patents Granted	No. of Designs Registered (D)	No. of Copyrights Registered (C)	Total Patents Designs and Copyrights	Total Count Faculty Patents: NF Students Patents: NS Both : NB
2025-26	1	0	1 (BVCOEW:1)	1	PF: 0 PG: 0 D: 0 C: 1	NF : 3
2024-25	1	1	6	0	PF: 1 PG:1 D: 4 C: 0	8 (NF : 5 NB:1)
2023-24	2	5 (3+2*)	1	1	PF: 2 PG:4 D: 1 C: 1	9 (NF : 9)
2022-23	7	0	1	1	PF: 4 PG:4 D: 1 C: 1	9 (NF :7)
2021-22	4 (BVCOEW:1)	0	0	0	PF: 3 PG:0 D: 0 C: 0	4 (NF :3)
Till 2020	3(2+1*)	0	0	0	PF: 3 PG:0 D: 0 C: 0	3 (NF :3)
Total Count	18	06	09	03		36

***Institute faculty patent but in the name of other institute**

Year-wise List of Patents Published (2020-2021 to 2024-25)

A.Y. 2025-26 (1 June 2025 to 31 May 2026) : NIL

Sr. No.	Applicant Names	Inventor Names	Country	Title	Application No.	Filed Date	Published Date	Granted Date	Faculty/ Student or both	Department Name
1	Dr. S. S. Khan	Dr. S. S. Khan	India	Multi-Factor Authentication System based on Dynamic Prime Factor Decomposition	202541108562	08/11/2025	28/1/2025	-	Faculty	ES&AE

A.Y. 2024-25 (1 June 2024 to 31 May 2025)

Sr. No.	Applicant Names	Inventor Names	Country	Title	Application No.	Filed on date	Published on date	Granted Date	Faculty/ Student or both	Department Name
1	1. Nupur Jagtap (S) 2. Prof. Dr. Sandip Patil, 3. Dr. Sumati Jagdale	1. Nupur Jagtap (S) 2. Prof. Dr. Sandip Patil, 3. Dr. Sumati Jagdale	India	Vehicle to everything (v2x) communication using IOT	202421046505	17/06/2024	23/08/2024	-	Both Faculty and Student	E&TC

A.Y. 2023-24 (1 June 2023 to 31 May 2024)

Sr. No.	Applicant Names	Inventor Names	Country	Title	Application No.	Filed on date	Published on date	Granted Date	Faculty/Student or both	Department Name
1	Dr.Sharada Kore	Dr.Sharada Kore	India	Model for improving the taste and quality of chapatti	202421037725	14/05/2024	--	--	Faculty	E&TC
2	Dr.Vijaya Pawar	Dr.Vijaya Pawar	India	System, Method and Device for Non-invasively Identifying Chronic Kidney Diseases From Saliva of a User	2023/04407	29/11/2023	--	04407 2023	Faculty	E&TC

A.Y. 2022-23 (1 June 2022 to 31 May 2023)

Sr. No.	Applicant Names	Inventor Names	Country	Title	Application No.	Filed on date	Published on date	Granted Date	Faculty/Student or both	Department Name
1	Prof.Vinod Mulik	Prof.Vinod Mulik	India	The Heart Disease Prediction using Technique of Classification in ML using the Concept of data Mining	202211073508	19/12/2022	30/12/2022	--	Faculty	E&TC
2	Prof.Vinod Mulik Prof. Mahavir Kasar	Prof.Vinod Mulik Prof. Mahavir Kasar	India	A System for Evaluating Impact of Integration of banks and Cryptocurrency	202211067774	24/11/2022	2/12/2022	--	Faculty	E&TC

				in a Demonetized world.						
3	Prof.Amol Yadav Prof. Mahavir Kasar	Prof.Amol Yadav Prof. Mahavir Kasar	India	Artificial Intelligence Techniques and Big data Analytics based Digital Document Fraud Detection System using IOT Enabled machine Learning Things in Finance and Economic Industry	202241067467	23/11/2022	2/12/2022	--	Faculty	E&TC
4	Prof.Amol Yadav	Prof.Amol Yadav	India	Artificial Intelligence Integrated Human Paradigm through Organizational Agility and Sustainable Performance.	202241047392	19/8/2022	16/9/2022	--	Faculty	E&TC
5	Prof.K.V.Patil	Prof.K.V.Patil	India	The Classification technique for the face spoof detection in artificial neural networks using concept of machine learning	202221066095	18/11/2022	25/11/2022	--	Faculty	IT
6	Prof. Shital Pawar	Prof. Shital Pawar	India	A novel neural based approach for evaluating the various Quality of Service Parameters of MQTT communication	202221030182	26/05/2022	17/06/2022	--	Faculty	Comp

				in IoT applications and obtaining recommendations using single system on detected security breaches.						
7	Prof. Pranoti Kale Prof. Pukale Dhondiram Prof. Shital Pawar Prof. Jayashree Jadhav	Prof. Pranoti Kale Prof. Pukale Dhondiram Prof.shital Pawar Prof. Jayashree Jadhav	India	End to end implementation of the model for predicting boundaries of brain tumor using t1ce and flair modalities of 3D MRI.	202221038987	07/07/2022	05/08/2022	--	Faculty	Comp

A.Y. 2021-22 (1 June 2021 to 31 May 2022)

Sr. No.	Applicant Names	Inventor Names	Country	Title	Application No.	Filed on date	Published on date	Granted Date	Faculty/ Student or both	Department Name
1	Dr.Rameez Shamalik	Dr.Rameez Shamalik	India	Defab: A System for Gesture Detection using Foreground Background Separation with Depth Estimation	202121049257	28/10/2021	24/04//2022	511565 16/02/2024	Faculty	E&TC
2	Prof. Dr. Sandip Patil	Prof. Dr. Sandip Patil	India	Automatic speech syllable segmentation using multifractal detrended fluctuation analysis	202121040672	08/09/2021	10/09/2021	--	Faculty	E&TC

3	Prof. Dr. Sandip Patil	Prof. Dr. Sandip Patil	India	Quality improvement in data embeddable texture synthesis using wavelet transform	202121039313	31/08/2021	03/09/2021	--	Faculty	E&TC
4	Dr. Shital Pawar BVCOEW,Pune	Dr. Shital Pawar	India	Detection of Multiple Plant Leaf Diseases using Deep Learning	202221008801	19/02/2022	11/03/2022	--	Faculty	Comp
Till 2021										
Sr. No.	Applicant Names	Inventor Names	Country	Title	Application No.	Filed on date	Published on date	Granted Date	Faculty/ Student or both	Depart ment Name
1	Dr.S.S.Thite	Dr.S.S.Thite	India	Secure Cyber Physical Systems for Smart Home Applications	201921021182	29/05/2019	07/06/2019	--	Faculty	
2	Dr. Sharada Kore	Dr. Sharada Kore	India	A Novel Multiclass Multistage Writer Verification Using Hybrid Approach in Spatial and Transform Domain	201721016687	12/05/2017	26/05/2017	562076 07/03/2025	Faculty	E&TC
3	Bharati Vidyapeeth	Prof.V.P. Mulik	India	A Greenhouse Environment Control System	1475/MUM/2013	22/04/2013	17/04/2015	--	Faculty	E&TC

Year-wise List of Patents Granted (2000 to 2025-26)

A.Y. 2025-26 (1 June 2025 to 31 May 2026) NIL

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A.Y. 2024-25 (1 June 2024 to 31 May 2025)

Sr. No.	Applicant Names	Inventor Names	Country	Title	Application No.	Filed on date	Published on date	Patent No and Granted Date	Faculty/ Student or both	Department Name
1	Dr. Sharada Kore	Dr. Sharada Kore	India	A Novel Multiclass Multistage Writer Verification Using Hybrid Approach in Spatial and Transform Domain	201721016687	12/05/2017	26/05/2017	562076 07/03/2025	Faculty	E&TC

A.Y. 2023-24 (1 June 2023 to 31 May 2024)

Sr. No.	Applicant Names	Inventor Names	Country	Title	Application No.	Filed on date	Published on date	Granted Date	Faculty/ Student or both	Department Name
1	Dr.Rameez Shamalik	Dr.Rameez Shamalik	India	Defab: A System for Gesture Detection using Foreground Background Separation with Depth Estimation	202121049257	28/10/2021	24/04//2022	511565 16/02/2024	Faculty	E&TC
2	Dr.Vijaya Pawar	Dr.Vijaya Pawar	India	System, Method and Device for Non-invasively Identifying Chronic Kidney Diseases From Saliva of a User	2023/04407	29/11/2023	--	04407 2023	Faculty	E&TC
3	Dr.S.S.Chorage	Dr.S.S.Chorage	India	Sensing and simulation system and method for exhaust air particulates exhausting from a device	202221027698	13/05/2022	--	483975 18/12/2023	Faculty	E&TC

A.Y. 2022-23 (1 June 2021 to 31 May 2022)

1*	Symbiosis International	Dr.S.S. Jadhav	India	A Method and Composition for Purification of Textile Wastewater by Acid Doped Polyaniline	202021025428	17/06/2020	28/08/2020	11/08/2023 444597	Faculty	FE
2*	Bharati Vidyapeeth	Prof. Vinod Mulik	India	An FPGA based Automated Crop Control System and a Method Thereof	3521/MUM/2011	14/12/2011	23/12/2013	427914 31/03/2023	Faculty	E&TC
A.Y. 2000 to 2022 : NIL										

Year-wise List of Design Patents (From 2000 to 2025-26)

A.Y. 2025-26 (1 June 2025 to 31 May 2026)									
Sr. No.	Applicant Names	Country	Title	Design No.	Registration Date	Grant Date	Faculty/ Student or both	Department Name	
1	Bharati Vidyapeeth College of Engineering for Women, Pune Neha Bonsale	India	AI-Based Data Processing Device for Analysing Education Policy	455718	17/04/2025	4/8/2025	Faculty	IT	

A.Y. 2024-25 (1 June 2024 to 31 May 2025)

Sr. No.	Applicant Names	Country	Title	Design No.	Registration Date	Grant Date	Faculty/ Student or both	Department Name
1	Prof. Dr. P. V. Jadhav	UK	Dynamic Splint for Clubfoot Treatment	6349635	28/02/2024	08/03/2024	Principal	FE
2	Dr. Shweta Salunkhe	UK	Semi-Automatic Solar Powered Pesticide Sprayer for Farming	6433269	27/03/2025	02/04/2025	Faculty	E&TC
3	Dr. Sumati Manoj Jagdale, Dr.Sampada Dhole, Dr. Savita Itkarkar, Pranoti Kale	UK	Solar-powered medicinal plant extractor	6417339	15/01/2025	20/01/2025	Faculty	E&TC and Comp
4	Pranali Yawale	UK	Scanner for data processing	6410798	13/12/2024	15/1/2025	Faculty	E&TC
5	Dr. Savita Itkarkar	UK	AI-Powered Predictive Analytics System for Early Detection of Alzheimer Disease	6405786	19/11/2024	2/12/2024	Faculty	E&TC
6	Dr. Shweta Salunkhe	UK	Coaxial Vectoring Tricopter with Stewart Platform	6396458	09/10/2024	14/10/2024	Faculty	E&TC

A.Y. 2023-24 (1 June 2023 to 31 May 2024)

Sr. No.	Applicant Names	Country	Title	Design No.	Registration Date	Grant Date	Faculty/ Student or both	Department Name
1	Dr. Sampada.Dhole	UK	Smart biosensor device to detect lung cancer	6322973 Design	31/10/2023	--	Faculty	E&TC

A.Y. 2022-23 (1 June 2022 to 31 May 2023)

Sr. No.	Applicant Names	Country	Title	Design No.	Registration Date	Grant Date	Faculty/ Student or both	Department Name
1	Dr. Sampada.Dhole	India	Smart Desk to Identify Learning Disabilities.	380135-001 (Design)	25/2/2023	--	Faculty	E&TC

Till 2021-22 NIL

Sr. No.	Applicant Names	Inventor Names	Country	Title	Design No.	Registration Date	Published on date	Granted Date	Faculty/ Student or both	Department Name
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Year-wise List of Copyrights Registered (2000 to till date)


Sr. No.	Name of Authors	Name of Owners	Country	Title	Certificate No.	Registration Date	Faculty/ Student or both	Department Name
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1	Prof. Vinod Mulik	Prof. Vinod Mulik	India	An approach to detect and classify various diseases of agricultural crops	LD-20250177164	30/07/2025 Copyright	Faculty	E&TC
2	Dr. Vijaya Pawar Prof. Atul.Vitekar	Dr. Vijaya Pawar Prof. Atul.Vitekar	India	Simple Pipe and Rod Bending Attachment	L-124935/2023	12/06/2023 Copyright	Faculty	E&TC
3	Prof. Sampada.Dhole	Prof. Sampada.Dhole	India	Soybean healthy leaf image database	18643/2022-CO/A	06/09/2022 Copyright	Faculty	E&TC



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