



Summary Report

Research & Development Cell

Date: 28.05.2026

Criteria 4.d.2 : IPR (Patent / Design / Copyright) Data Collection per teacher during A.Y. 2025-26 (ODD Semester)

Data from :

01-July-2025 to 31-December-2025

Sr. No.	Dp t. Sr. No	Name of Faculty, Designation	Name of Dept.	Affiliating Institute Name at the time of publication	IPR Category		Patent / Design / Copyright Details										Ownership & Inventorship					Commercialization / Impact (Consultancy)							Claimant Name and Signature
					Type of Patent International (WIPO)/ Patent National (Single Country)/ Design/ Copyright	Status Applied / Published / Under Examination / Granted	Title of Invention / Design / Work	Application Number	Filing Date	Date of Publication	Date of FER	Grant Number	Grant Date	Country / Authority WIPO / India / Other: _____	After Grant Valid Upto (From - to Date)	Category of IPR Utility / Design / Software / Literary / Artistic	Inventor/ Applicant Position Single / First / Joint / Other Position No.	Total No. of Inventors / Authors	All Inventor / Co-Inventors / Co-Authors in the same order published	All Applicant / Owner Names in the same order as its Published	Institution Affiliation	Technology Transferred / Licensed	Industry / Licensee Name	Revenue Generated (in ₹)	Brief Description of Application / Impact	Consultancy Amount Mobilized >10 Lakhs (Write Amount)	Consultancy Amount Mobilized >1 and <10 Lakhs (Write Amount)		
																						Yes / No							
D1 Artificial Intelligence & Data Science																													
0 Entries are not received from AI&DS Dept.																													
D2 Civil Engineering																													
1	1	Name: Dr. Shubham A. Parwate Desg: Assistant Professor	Civil Engineering	CSMSS Chh. Shahu College of Engineering	Design National (Single Country)	Granted	WIRELESS DEVICE FOR ENVIRONMENT MONITORING	220765	18/09/2025	18/09/2025	NA	474065-001	20/01/2026	India	NA	Design	3	10	Dr. Manjula Devi K.K, Ms. J S Jeslin, Dr. Shubham Arun Parwate, Dr.N.Muthukumaran, Mrs. G. Sabarika Devi, Dr. V. Venugopalan, Mr. P. Boopathy, Dr.S.Ramesh, Dr. D. Justus	CSMSS Chh. Shahu College of Engineering	No	NA	NA	NA	NA	NA	Shubham Arun Parwate		
2	2	Name: Sandip Baburao Chavan Desg: Assistant Professor	Civil Engineering	CSMSS Chh. Shahu College of Engineering	Design National (Single Country)	Granted	AI BASED CIVIL STRUCTURAL HEALTH MONITORING DEVICE	207691	15/05/2025	22/08/2025		458952-001	22/08/2025	India		Design	Eight	10	1. Dr. Christo George, 2. Mr. S. Vigneshkannan, 3. Mr. Naveen Kumar, 4. Dr. Neeraj SN, 5. Mrs. R. Suganya, 6. Mr.s R. Nathirun, 7. Mr A Sudhan, 8.Mr.Sandip Baburao Chavan, 9. Mr. K. Vijay Sankar, 10. Mr. S. Pream Kumar	CSMSS Shahu college of engineering , chhatrapati sambhajinagar, maharashtra, india	No	NA	NA	NA	NA	NA	Sandip Baburao Chavan		
3	3	Name: Sandip Baburao Chavan Desg: Assistant Professor	Civil Engineering	CSMSS Chh. Shahu College of Engineering	Design National (Single Country)	Granted	AI POWERED CONSTRUCTION SITE MONITORING ROBOT	215421	14/07/2025	#####		465637-001	#####	India		Design	Second	10	1. Dr. M. Karthik, 2. Sandip Baburao Chavan , 3.Dr. A. Anitha, 4. Mr. S. Vadivelan, 5. Dr. Rajiv Gandhi 6. Dr. M. Archana, 7. Dr. M. Priyanka, 8. Mr. G. mahboob Basha, 9. Dr. D. Jagan Mohan, 10. Ms. Pratheba S	CSMSS Shahu college of engineering , chhatrapati sambhajinagar, maharashtra, india	No	NA	NA	NA	NA	NA	Sandip Baburao Chavan		
D3 Computer Science & Engineering																													
4	1	Name: Prof. Jadhav Rajkiran Navanathrao Desg: Assistant Professor	CS&E	CSMSS Chh. Shahu College of Engineering	Patent National (Single Country)	Published	AI Powered Intrusion Detection System Using Adaptive Deep Learnign and Threat Intelligences	202521074755 A	08.06.2026	22.08.2025	Applied but FER Not Yet Received.	NA	NA	India	NA	Utility	4	10	Dr. Amolkumar N. Jadhav, Dr. Ajit R. Patil, Dr. Arvind M. Jagatap, Jadhav Rajkiran Navanathrao, Dr. Madhuri Navanath Jadhav, Pradip K. Patil, Rajesh V Kherde, Omparakash S Kulkarni, Shailaja S Katti, Yogesh R. Kulkarni.	CSMSS Chh. Shahu College of Engineering	No	NA	NA	NA	NA	NA	Prof. R. N. Jadhav		
5	2	Name: Dr. G. J. Sahani Desg: Associate Professor	CS&E	CSMSS Chh. Shahu College of Engineering	Patent National (Single Country)	Published	A SYSTEM AND A METHOD TO FACILITATE QUANTUM-RESILIENT CRYPTOGRAPHIC COMMUNICATION AND SECURE DATA EXCHANGE USING AI-ORCHESTRATED HYBRID ENTROPY AND BLOCKCHAIN AUDITABILITY	202521091449	24.09.2025	10-10.2025	Applied but FER Not Yet Received.	NA	NA	India	NA	Utility	6	9	Ramchandra Prabhakar Chopade, Nitesh Narayanrao Nikam, Mithun Gourang Aush, Pankaj Sahebrao Umate, Deepakumar Himmatrao Patil, Gurucharan Singh Jaswantsingh Sahani, Babasaheb Dnyanoba Shinde, Swati Vitthal Khidse, Yogesh Harishchandra Bhosale	CSMSS Chh. Shahu College of Engineering	No	NA	NA	NA	NA	NA	Dr. G. J. Sahani (CS&E), Nitesh N. Nikam (Electrical Engg.), Babasaheb D. Shinde (FY/Mech)		
D4 Electrical Engineering																													
7	1	Name: Prashant B Pawar Desg: Assistant Prof.	Electrical Engg.	CSMSS Chh. Shahu College of Engineering	Design National UK (Single Country)	Granted	Robotic vehicle	6510420	03.06-2026	16-03.2026	Applied but FER Not Yet Received.	NA	NA	UK	NA	Design	10	10	Dr.Dandu Shanmugam Jayalakshmi, Abhijit Sanjay Pande, Mr.Rohit Mahavir Chudhwal, Ms.Gauri Deepak Karanjgaokar, Mr.Prashant Pawar, Ms. Kishori Rajendra Ghule, Kiran Suresh Mantri, Dr. Rasikha Velsamy, Sanjay Chandrakant Kathar, Dr. Dinesh Kumar	CSMSS Chh. Shahu College of Engineering	No	No	NA	No	NA	NA	Prashant B Pawar		
D5 Electronics & Communication (ACT)																													
8	1	Name: Dr. Syed Sumera Ali Desg: Associate Professor	EC-ACT	CSMSS CHH. SHAHU COLLEG OF ENGINEERING	National Utility Patent	Published	Real-Time AI System for Cyber Law Violation Forecasting and Adaptive Prevention.	202521056994 A	04.05.2025			NA	NA	India	NA	Utility	3rd	10	B.R.Pawar, Dr.G.B.Dongre, Dr.Syed Sumera Ali, A.T.Jadhav, A.G.Gaikwad, S.H.Jadhav, V.L. Nagre, M.S.Tathe, A.M.Kadli, S.R.Kadam	CSMSS Chh. Shahu College of Engineering , Chhatrapati Sambhajinagar	NA	NA	NA	NA	NA	NA	Dr. Syed Sumera Ali		

Criteria 4.d.2 : IPR (Patent / Design / Copyright) Data Collection per teacher during A.Y. 2025-26 (ODD Semester)																Data from :		01-July-2025 to 31-December-2025											
Sr. No.	Dp t. Sr. No -	Name of Faculty, Designation	Name of Dept.	Affiliating Institute Name at the time of publication	IPR Category		Patent / Design / Copyright Details										Ownership & Inventorship					Commercialization / Impact (Consultancy)							Claimant Name and Signature
					Type of IPR Patent	Status	Title of Invention / Design / Work	Application Number	Filing Date	Date of Publication	Date of FER	Grant Number	Grant Date	Country / Authority WIPO / India / Other: -----	After Grant Valid Upto (From - to Date)	Category of IPR Utility / Design / Software / Literary / Artistic	Inventor/ Applicant Position Single / First / Joint / Other Position No.	Total No. of Inventors / Authors	All Inventor / Co-Inventors / Co-Authors in the same order published	All Applicant / Owner Names in the same order as its Published	Institution Affiliation	Technology Transferred / Licensed	Industry / Licensee Name	Revenue Generated (in ₹)	Brief Description of Application / Impact	Consultancy Amount Mobilized >10 Lakhs (Write Amount)	Consultancy Amount Mobilized <10 Lakhs (Write Amount)		
					International (WIPO)/ Patent National (Single Country)/ Design/ Copyright	Applied / Published + Under Examination / Granted																Yes / No							
9	2	Name: Dr. Syed Sumera Ali Desg: Associate Professor	EC-ACT	CSMSS CHH. SHAHU COLLEG OF ENGINEERING	National Design Patent	Published	Artificial Intelligence Based Skin Disease Detection Device	4700 52001	18.8.2025				NA	NA	India	NA	Design	5th	5	Dr.Madhumati Panda, Ms. Anita Behara, Dr. M. Kanchan, Mrs. A.M. Vidhyalakshmi, Dr.Syed Sumera Ali,	CSMSS Chh. Shahu College of Engineering , Chhatrapati Sambhajinagar	NA	NA		NA	NA	Dr. Syed Sumera Ali		
D6 Electronics & Computer Engineering																													
10	1	Name:Pawar Bharat Ramdas Desg:Assistant professor	ECE	CSMSS College of Engineering Chh.Sambhaji Nagar	IpIndia (National)	Published	AI-enabled pet feeder process with real-time video oversight, dual dispensing, scheduled tricycle feeding and smart cooling with Waste	202521119527 A	15.12.2025	16/01.2026	NA	NA	NA	India	NA	Utility	Joint	7	1)Bharat Ramdas Pawar 2)Mr. Chetan Dhondiram Sagar 3)Mr. Tejas Baliram Patil 4)Dr.Mariapalle Bapurao G. 5)Ms.Deepali Shivaji Alore 6)Ms. Puja Shashikant Patil 7)Sanjay Bhanudasrao Dhumal	NA	NO				:Pawar Bharat Ramdas				
11	2	Name:Pawar Bharat Ramdas Desg:Assistant professor	ECE	CSMSS College of Engineering Chh.Sambhaji Nagar	IpIndia (National)	Published	Real-Time AI System for Cyber Law Violation Forecasting and Adaptive Prevention.	202521056996 A	06.03.2025	04.07.2025	NA	NA	NA	India	NA	Utility	Joint	10	1)Bharat Ramdas Pawar 2)Dr.Ganesh B Dongre 3)Dr.Syed Sumera Ali 4)Prof.Akshay Tukaram Jadhav 5)Prof.Abhijit Govindrao Gaikwad 6)Prof.Satish Hiramn Jadhav 7)Prof.Nagre Vishnu Laxaman 8)Prof.Tathe Manisha Sandip 9)Prof. Amruta M. Kadli 10)Prof. Swapnil Rajesh Kadam	NA	NO				:Pawar Bharat Ramdas				
12	3	Name:Pawar Bharat Ramdas Desg:Assistant professor	ECE	CSMSS College of Engineering Chh.Sambhaji Nagar	IpIndia (National)	Published	AI Integrated smart footwear system for brisk walking analysis and real time cardiovascular health tracking	2025210443203A	05.05-2025	30.5.2025	NA	NA	NA	India	NA	Utility	Joint	3	1)Bharat Ramdas Pawar 2)Ms.Vidya H. Deshmukh 3)Dr Dipa Dattatraya Dharmadhikari 4)Ms. Mrunal Mahadeo Mule	NA	NO				:Pawar Bharat Ramdas				
D7 Electronics Engineering (VLSI D&T)																													
13	1	Name:Mr.P.N.Kathar Desg: Assistant Professor	Electronic s Engg. (VLSI D & T)	CSMSS Chh. Shahu College of Engg.	National	Published	Real Time Video Processing System for Autonomous Vehicles	202521109312A	12.02-2025			NA	NA	India	NA	Utility	First Position	7	1)Mr. P. N. Kathar 2)Mrs. Princy Sera Rajan 3)Dr. V. S. Chandrika 4)Dr. S.T Hirumal 5)Dr. Ratna Singh 6)Dr. A. Kavitha 7)Chithrakannan R	CSMSS Chh. Shahu College of Engineering	No	NA	NA	The invention discloses a Real-Time Video Processing and Decision-Making System for Autonomous Vehicles that integrates multi-camera visual input, sensor fusion, and advanced artificial intelligence models to enable accurate and low-latency autonomous navigation.	NA	NA	Mr. P. N. Kathar		
14	2	Name:Mr. Bhausaheb Dandge, Desg:Assistant Professor Name:Dr. Shrikant Jagdish Honade Desg:Associate Professor Name:Mr. Tushar Ashok Mohije, Desg:Assistant Professor Mr. Gaurav Ramkrushna Bhalekar Desg:Assistant Professor	Electronic s Engg. (VLSI D & T)	CSMSS Chh. Shahu College of Engg.	National	Published	Olfactory Device for Insulin Delivery in Diabetes	202521099139 A	14/10/2025			NA	NA	India	NA	Utility	First, Third, Fourth, Fifth	7	1)Ms. Komal Bhausaheb Dandge 2)Dr. Shrikant Jagdish Honade 3)Ms. Yogita Prakash Lakade 4)Mr. Tushar Ashok Mohije 5)Mr. Gaurav Ramkrushna Bhalekar 6)Mrs. Sarika Hemant Zile 7)Ms. Pooja Madan Alone	CSMSS Chh. Shahu College of Engineering	No	NA	NA	The present invention discloses an olfactory insulin delivery device designed for non-invasive management of diabetes mellitus.	NA	NA	All Top 6 Applicants		
D8 Mechanical Engineering																													
15	1	Name: Dr. A. B. Khansole Desg: Assistant Professor	Mechanical Engineering	CSMSS CSCOE	Indian Utility (Single Country)	Published	Enterprise-Level Cloud Management System with NLP-Based Financial Audit and Risk Detection Engine	202611048274	02.11-2025	28.11-2025	26.10-2025	NA	NA	India	NA	Utility	First	10	Dr. Ankush B. Khansole Aparitosh U. Gahankari Mrs. J.Asvathi Harish Kumar K J, Mrs. Subathra, Dr. Burra Ramanuja Srinivas, Mr. Tamilkudimagan, Dr. M. Anand, Dr. Prashatn Agrawal, Dr. Trilok Kumar Jain	CSMSS CSCOE	NO	NA	Nil	Automated financial auditing in enterprises Fraud detection in banking & fintech Compliance monitoring (tax, regulatory frameworks)	Nil	Nil	Dr. Ankush B. Khansole		

Criteria 4.d.2 : IPR (Patent / Design / Copyright) Data Collection per teacher during A.Y. 2025-26 (ODD Semester)																	Data from :		01-July-2025 to 31-December-2025										
Sr. No.	Dp t. Sr. No -	Name of Faculty, Designation	Name of Dept.	Affiliating Institute Name at the time of publication	IPR Category		Patent / Design / Copyright Details										Ownership & Inventorship					Commercialization / Impact (Consultancy)							
					Type of IPR	Status	Title of Invention / Design / Work	Application Number	Filing Date	Date of Publication	Date of FER	Grant Number	Grant Date	Country / Authority	After Grant Valid Upto (From - to Date)	Category of IPR	Inventor/ Applicant Position	Total No. of Inventors / Authors	All Inventor / Co-Inventors / Co-Authors in the same order published	All Applicant / Owner Names in the same order as its Published	Institution Affiliation	Technology Transferred / Licensed	Industry / Licensee Name	Revenue Generated (in ₹)	Brief Description of Application / Impact	Consultancy Amount Mobilized >10 Lakhs (Write Amount)	Consultancy Amount Mobilized >1 and <10 Lakhs (Write Amount)	Claimant Name and Signature	
					Patent International (WIPO)/ Patent National (Single Country)/ Design/ Copyright	Applied/ Published + Under Examination / Granted																Yes / No							
16	2	Name: Dr. R. H. Shinde Desg: Asso. Professor & Head	Mechanical Engineering	CSMSS CSCOE	UK Design	Granted	Solar Power Charging Station for Electric Vehicle	Design No: 6493606	18.12-2026	07.01-2026		Design No: 6493606	Wednesday, July 01, 2026	UK	NA	Design	First	10	Dr. Rajendra H. Shinde, Prof. Ravindra S. Surase, Dr. Sachin R. Jambhale, Dr. Shivaji S Gadadhe, Umeshchandra Jaish Singh Jadhao, Dr. Mukund Kharde, Dr. Vijay Bhambere, Ms. Kanchan J kakkade, Vishal V Chahare, Dr. Avinash Somalkar			CSMSS CSCOE	NO	NA	Nil	Public EV charging infrastructure Smart cities & highways Off-grid rural charging solutions	Nil	Nil	Dr. Rajendra H. Shinde, Prof. Ravindra S. Surase, Dr. Sachin R. Jambhale,
D9 Science & Humanities																													
17	1	Name: Dr. B. D. Shinde Desg: Assistant Professor	FY/Mech	CSMSS Chh. Shahu College of Engineering	Patent National (Single Country)	Published + Under Examination	AI BASED ROBOTIC SYSTEM FOR ASSISTANCE IN TUMOR REMOVAL AND METHOD THEREOF	20252 1061906	28.June. 2025	18-Jul-25	26.July. 2026	NA	NA	India	NA	Utility	Joint (position No. 6)	8	Yogesh Harishchandra Bhosale, Aarathi S, Anil D, Ramchandra Prabhakar Chopade, Babasaheb Dnyanoba Shinde, Mithun Gourang Aush, Deepakkumar Himmatrao Patil, Pankaj Sahebrao Umate.			CSMSS Chh. Shahu College of Engineering	No	NA	NA	The present invention relates to the field of Artificial Intelligence (AI) in medicine, more specifically, the invention relates to an AI-based robotic system for surgical assistance during a tumor removal procedure.	NA	NA	B. D. Shinde

Note: Upload Grant Certificate / Official Gazette / IPR Office Confirmation & etc other .

Dr. Y. H. Bhosale
Director – R & D

Dr. R. P. Chopade
IQAC

Dr. D. L. Bhuyar
Vice-Principal

Dr. G. B. Dongre
Principal