



**VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF  
ENGINEERING AND VISUAL ARTS**

NAAC 'A' Grade Accredited, ISO 9001:2015 Certified Institute

**Department of Information Technology**  
NBA Accredited (Dated 01/07/2024 to 30/06/2027)



**Patent Granted in A.Y. 2025-26**

<b>Sr. No.</b>	<b>Name of the Faculty</b>	<b>Title of Invention</b>	<b>Year</b>	<b>Patent No</b>	<b>Date of Application</b>	<b>Date of Issue/Grant</b>
1	Prof. Sachin Barahate	AI based Brain Monitoring Headset	2025	451702-001	17/03/2025	07/07/2025
		A Unified Platform for Intelligent Visitor Management System in Public and Private Organization	2025	202521070044 A	23/07/2025	08/08/2025
2	Prof. Mayuri Karnik	AI Based Food Quality Checking Device	2025	448000-001		
3	Prof. Priyanka Manke, Dr. Neeraj Sharma, Dr. Vinod Sapkal, Prof. Kiran Deshmukh	IPvX: A post Quantum AI driven Internet Protocol for secure and scalable future networking	2025	202521072580	30/07/2025	
4	Dr. Neeraj Sharma	"A Framework for AI-Driven Interactive Media Systems"	2025	202521077572 A	14/08/2025	29/08/2025
		"A Unified Platform for Intelligent Visitor Management System in Public and Private Organization"	2025	202521070044 A	23/07/2025	45877

**Patent Granted in A.Y. 2024-25**

<b>Sr. No.</b>	<b>Name of the Faculty</b>	<b>Title of Invention</b>	<b>Patent No</b>
1	Prof. Sachin Barahate	AI based Brain Monitoring Headset	451702-001
2	Prof. Mayuri Karnik	AI Based Food Quality Checking Device	448000-001
3	Priyanka Manke	Verifying the authenticity of products based on QR codes to avoid counterfeiting	554693
4	Dr. Neeraj Sharma	Smart IoT Weather Station for Real-Time Data Access	202521001070 A
5	Prof. Archana Salaskar	Smart IoT Weather Station for Real-Time Data Access	202521001070 A
6	Prof Darshana Tambe	Smart Bug Detector	407793-001

**Patent Granted in A.Y. 2023-24**

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Title of Invention</b>	<b>Application Date</b>	<b>Date of Granted</b>	<b>Patent No.</b>
1	Dr. Neeraj Sharma	Senor Based Chemical Mixing Device for Agricultural Farm	10-July-2023	21-July-2023	6295355
2	Dr. Neeraj Sharma	AI based drone for crop health monitoring	30-Dec-2023	13-Jan-2024	6336869

**Patent Published in A.Y. in 2023-24**

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Title of Invention</b>	<b>Date of Filing</b>	<b>Date of Published</b>	<b>Patent No.</b>
1	Dr. Gaytri Bachhav	Automated Bug Detection and Repair in Software using Block chain Technology	1-Aug-2023	24-Nov-2023	202321051593
2	Mrs. Sonali Pakhmode	Hybrid-Based Medical Imaging Techniques for Early Diagnosis and Prevention of Cardiovascular Diseases	14-June-2023	18-Aug-2023	202341040395
3	Mrs. Sonali Pakhmode and Mrs. Vijaya Sagvekar	Convolutional Neural Network Based Technique to Identify the Security and Privacy Issues in Internet of Things Based Big Data Cloud Systems	7-May-2023	18-Aug-2023	202341032275

**Patent Granted in A.Y. 2022-23**

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Title of Invention</b>	<b>Application Date</b>	<b>Date of Granted</b>	<b>Patent No.</b>
1	Dr. Kavita Wagh	Hybrid Wifi Router	23-Jan-2023	23-March-2023	378192-001

**Patent Published in A.Y. 2022-23**

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Title of Invention</b>	<b>Date of Filing</b>	<b>Date of Published</b>	<b>Patent No.</b>
1	Dr Pradip Mane	Pothole detection and filling using plastic waste	26-Jan-2023	24-Mar-2023	202321005255
2	Dr. Neeraj Sharma	A Secure Lightweight Location Based Group Key Agreement In Wireless Communication	13-April-2023	19-May-2023	202321027402
3	Dr Pradip Mane and Mrs, Vijaya Sagvekar	Predicting Overall Customer Satisfaction for an Effective Product Opinion Analysis on E-commerce Website	26-Jan-2023	10-Feb-2023	202311005260
4	Dr. Gaytri Bachhav	The Secured Channel Establishment Algorithm For The Isolation Of Misdirection Attack In IOT	29-Nov-2022	9-Dec-2022	202221068833

**Patent Granted in A.Y. 2020-21**

	<b>Name of Faculty</b>	<b>Title of Invention</b>	<b>Application Date</b>	<b>Date of Granted</b>	<b>Patent No.</b>
1	Dr. Pradip Mane	Artificial Intelligence Based Computational Model for Spatial-Temporal and Emotional Reasoning of Humanoid Robots		23-June-2021	2021102704

**Patent Published in A.Y. 2020-21**

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Title of Invention</b>	<b>Date of Filing</b>	<b>Date of Published</b>	<b>Patent No.</b>
1	Mr. Pravin Shinde	Intelligent Automation and Security System for Airports	14-Jan-2021	29-Jan-2021	202121001799