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Patents Published/Granted

Patent Granted

Name of Faculty	Title of the Invention	Application Number	Year of Publication	Status Granted /Applied
Prof. Geeta	Heat Dissipating power resistor	431809-001	2024	Granted
Ratnamala S Patil	Document Image Classification	441931-001	25/12/2024	Granted
Dr. Anuradha Patil Mrs. Geeta M, Mrs. Shobana K Mrs. Laxmi Patil	Progressive Braille Learning Kit with interface	428729-001	2024	Granted
Dr. Anuradha Patil	Active noise cancellation earphone design	6356327	April -2024	Granted
Dr. Asharani Patil	5G based wireless sensor network device for environment monitoring	418256-001	May 2024	Granted
Dr. Shilpa Shrigiri	Intelligent robot for assisting human resource department	433340-001	Oct -2024	Granted
Dr. Ayesha Heena	User Interaction Computer Device in Virtual Reality Systems	6386576	Grant date: 04 September 2024	Granted
Sujata Mallapur	Device For Detection of Sugar Level	6349455	2024	Granted
Dr.Nandini S Patil	Wireless Smart Meter System	417481-001	20/5/2024	Granted
Dr.Shivaleela Patil	Wrist Band for Monitoring and Treatment of Epilepsy	416375-001	09/05/2024	Granted

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			30/10/2023	
Dr.Shivaleela Patil	AI based Lung cancer testing device.	398784-001		Granted
Dr.ManikammaMalipatil	A novel watermarking techniques for 3D mesh objects	202141021974A	11/06/2021	Granted

3.2. **Patent Published**

Name of Faculty/s	Title of the Invention	Application Number	Year of Publication	Status Applied / Published
Ratnamala S Patil	Document Image Classification	441931-001	25/12/2024	Published
Dr. Anuradha Patil Mrs. Geeta M Mrs. Shobana K Mrs. Laxmi Patil	Progressive Braille Learning Kit with interface	428729-001	2024	Published
Mrs. Shivganga Patil Mrs. Shruti V H Mrs. Laxmibai R B Mrs. Nagaveni K Mrs. Pushpa Patil	A novel machine learning and deep learning approach to predict liver cirrhosis	202441010338	08/03/2024	Published
Dr. Anuradha Patil	Active noise cancellation earphone design	6356327	April -2024	Published
Dr. Asharani Patil	5G based wireless sensor network device for environment monitoring	418256-001	May 2024	Published
Dr. Shilpa Shrigiri	Intelligent robot for assisting human resource department	433340-001	Oct -2024	Published

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Dr. Anuradha Patil	Early Fire and Smoke Detection System by Using Deep Learning and openCV	202241046274	26/08/2022	Published
Mrs. Shobana K and Mrs Laxmi Patil	Machine learning based recognition of patients behaviour using hand to mouth gesture to access their physical and emotional states in possible prediction using AI dataset	202231046149	19/08/2022	Published
Dr. Anuradha Patil	Credit card fraud detection using python and machine learning	202221047470	14/10/2022	Published
Mrs .Shivganga Patil	IoT and AI based smart health monitoring wirst device to connect doctor patient to assist immediate medical attention/guidance Bp ,sugar, HB, Exchanging data in hybrid cloud	202241063449	7/11/2022	Published
Mrs. Shivleela R and Mrs. Geeta M	IoT based forest fire detection system and early warning system using arduino	202321017112	14/03/2023	Published
Dr. Anuradha Patil	Image processing & Machine Learning Based Detection of Malignant Skin Cancer Using Support Vector Machine (SVM) Classifier.	202141036593	24/09/2021	Published
Dr. Lakshmi Patil	A novel VLSI Based architecture for stroke detection using optimized resource allocation.	202141047825	3/12/2021	Published
Dr. Asharani Patil	A nanotechnology-based system for boosting the fertility using IONT	202141048434	29/10/2021	Published

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Mrs. Nagaveni K	Artificial Intelligence-based health monitoring and prevention system to monitor and diagonize heart attack using IoT	202231007780	11/3/2022	Published
Mrs. Nagaveni K	Artificial intelligent IoT based detection and prevention disease tissues brain , kidney, lungs and heart using machine learning for health care management	202241011081	25/3/2022	Published
Mrs. Ratnamala S Patil	Diagnosing image classification using deep convolution neural network with big data applications.	202241025889	13/5/2022	Published
Prof. Geeta	A novel three phase multilevel inverter cascaded by two level and single phase boosted h-bridge inverters	202341049606	2023	Published
Prof. Sushma	Deep learning for optimization of power and energy management system in hybrid electric vehicle	202241000264	2022	Published
Prof. Amruta	Air pollution monitoring and notification algorithm using IoT based	202241013877	2022	Published
Prof. Geeta	Generation of E-bill transaction number using Block Chain	202141007828	2021	Published
Prof. Savitri	Alternative method of recharging optional for electric two and three-wheeler	202141056601	2021	Published
Prof. Soumya	Artificial intelligence based smart detection of lung disease from chest	202131011450	2021	Published

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Dr. Kalshetti Swati Mallinath	Analyzing A Relevance Between Nodes By Using Graph Theory	202241024196A	2022	Published
Dr. Kalshetti Swati Mallinath	Graph Theory Wireless Analytical Device.	392250-001	2023	Published
Dr. Kalshetti Swati Mallinath	Graph Theory Applications in Network Security	393054-001	2023	Published
Dr. Kalshetti Swati Mallinath	The possibility measure approch for solving Undesirable fuzzy SBM-DEA model for on evaluating DMUs'sef	202421016476A	2024	Published
Dr. Kalshetti Swati Mallinath, Dr. Jayasudha.N, Dr. Bharati, Dr. Shilpa, Dr. Ashwini	Device for Optimizig Mathematical Algorithms in Computational Geometry	412610-001	2024	Published
Dr. Kalshetti Swati Mallinath, Dr. Jayasudha.N, Dr. Bharati, Dr. Shilpa, Dr. Ashwini	Device for Wireless Sensor Networks Using Graph Theory	6356925	2024	Published
Dr. Kalshetti Swati Mallinath, Dr. Jayasudha.N, Dr.Bharati, Dr. Shilpa, Dr. Ashwini	Method for Detecting Anomalies Graph – Based Analysis	202441027924A	2024	Published
Dr. Shivaleela.M.V, Dr. Ambika.S.B, Dr. Danamma.Patil, Dr. Anita.R.H, Dr. Sangeeta.A	Nanocomposite Material for Enhanced Mechanical strength and Thermal Conductivity.	202441038627	2024	Published
Dr. Danamma.Patil, Dr. Ambika.S.B,	Multifunctional Electromagnetic Field Detector	424490-001	2024	Published

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Dr. Ambika.S.B, Dr. Danamma.Patil	Automated Titration Device for Accurate Chemical Measurements	424535-001	2024	Published
Dr. Ayesha Heena	real-time IoT and ai-based smart irrigation system for water resource optimization	202411080079 A	2024	Published
Dr. Ayesha Heena	an efficient information retrieval and routing using ADOV on TDMA in	202341075831 A	2023	Published
Dr. Ayesha Heena	predicting criminal activity: ai and ml in crime risk analysis	202341064022 A	2023	Published
Sujata Mallapur	Multi-objective Optimization Technique for task Scheduling in Cloud Computing Environment	202311003515	2023	Published
Sujata Mallapur	Secured Health Monitoring System using Cloud Computing	202241006303A	2022	Published
Sujata Mallapur	Synthesis of E-Waste Based on Machine Learning & Artificial Intelligence Autonomous Management System for Smart Environment	202141044783 A	2021	Published
Sujata Mallapur	Internet Of Things Based Automated Pill Dispenser	405600-001	2024	Published
Sujata Mallapur	Artificial Intelligence Based Smart Touch Less Medicine Dispensing System for Pharma Field	202141038793 A	2021	Published
Sujata Mallapur	Intelligent Code Optimization Using Machine Learning In Software Development	202441008128 A	2024	Published
Prof.Shruthi S A	An Analysis and Monitoring the body movements of coma patients using	202341070769A	1/12/2023	Published

	Wearable motion sensor system.			
Prof.Chethana	IOT Sensors in environmental monitoring system using Artificial Intelligence	202341035781A	01/09/2023	Published
Prof.Shradha A Dulange	AI –Enhanced Enterprise resource planning system for manufacturing industries: Optimizing production efficiency,quality control and supply chain management	202341025024A	07/04/2023	Published
Prof.Shradha A Dulange	Predicting Criminal activity:AI&ML in crime risk analysis	202341064022A	06/10/2023	Published
Prof.Shradha A Dulange	A system for controlling smart hybrid scooters using IOT technology	202341029183A	26/05/2023	Published
Prof.Jyoti Neginal	A reversible data embedding approach for secure data transmission with minimized distortions	202341019329A	31/03/2023	Published
Prof.Jyoti Neginal	A Robust approach for content based image retrival using efficient feature extraction and classification approach	202341019444A	31/03/2023	Published
Prof.Jyoti Neginal	Packet loss and error recovery optimization for scalable video coding approach to provide QOS support for mobile adhoc network.	202341019477A	31/03/2023	Published
Prof.Pushpalata	An accurate Vehicular movement understanding system in areal images using convolutional neural network architecture	202341003253A	17/02/2023	Published
Prof.Pushpalata	A system for multiclass plant classification based on convolutional neural network	202341005612A	24/02/2023	Published

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	architecture for accurate plant species detection.			
Prof. Shruti S A	Machine learning based facial and emotional identification techniques for Pharma applications	202241000846A	04/02/2022	Published
Dr.Jyoti R Marnur	A system for secure clustering and data transmission in vehicular adhoc network using weight evaluation	202241020085A	15/04/2022	Published
Dr.shivaleela Patil	Deep learning based detection of chronic heart disease using feature extraction of ECG	202141048049A	29/10/2021	Published
Prof.ShwetaMadiwal	Image processing and machine learning based detection of malignant skin cancer using support vector machine(SVM) classifier	202141036593A	24/09/2021	Published
Dr. Manikamma Malipatil	Ecryption technique for 3D point cloud models with mapping	202141030613A	23/07/2021	Published
Prof.Pushpalata	An accurate Vehicular movement understanding system in areal images using convolutional neural network architecture	202341003253A	17/02/2023	Published
Prof.Pushpalata	A system for multiclass plant classification based on convolutional neural network architecture for accurate plant species detection.	202341005612A	24/02/2023	Published
Prof. Shruti S A	Machine learning based facial and emotional identification techniques for Pharma applications	202241000846A	04/02/2022	Published

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