



WALCHAND INSTITUTE OF TECHNOLOGY, SOLAPUR
(An Autonomous Institute)

Patent

Sr. No.	Inventor/s Name	Patent Title	Status	Year
1.	Dr. V. A. Athavale Dr. S.R. Gengaje and Mr. B. R. Solunke	Object Detection in Advanced Driving Assistance System Using Novel Machine Learning Algorithms	Under Process of Grant	2024
2.	Dr. V. A. Athavale Dr. S.R. Gengaje and Miss R.K. Gundla	Malware Detection System And Method Thereof	Under Process of Grant	2024
3.	Mr. Dinkar Raghu Patnaikuni Dr. S.R. Gengaje	Sensor Based On Hardware- In-The-Loop Framework	Submitted	2024
4.	Mr. Dinkar Raghu Patnaikuni Dr. S.R. Gengaje	Hardware-In-The-Loop Based Generative Iot Sensor	Submitted	2024
5.	Dr. P.N.Kathavate & et al.	A Device For Online Video Meetings And Inbuilt Emotion based Attendance Report	Granted	2024
6.	Dr. Mrs. P.C.Kaladeep (Yalagi)	The Role Of Advanced Ai And Robotic Technology In Cardiovascular And Orthopaedics Surgery Which Is Revolutionizing Health Care/Medical Science - A Deep Analysis.	Published	2024
7.	Dr. Mrs. S.M.Dol	A System and Method for ECGRS to Recommend the Course Grade in Education Sector	Published	2024
8.	Mr.Padmakant U. Dhage	IOT Based Rain Forcasting Along With Flood Detection And Automated Alert System Using Artificial Intelligence	Published	2024
9.	Dr. V.A.Athavale, Dr. B.B.Deshmukh, Mr. G.B.Agalave, Mr. V.P.Kulkarni, Mr.G.N.Samletti	A Vaccum Shield Cold Chamber for Efficient Insulation Technology and Sustainable Refrigerated Logistics	Published	2024

10.	Mr. V.V. Pottigar Mr. B.R.Sulunke	Delivery Ai-Robotic	Published	2024
11.	Dr. Mrs. P. C. Kaladeep (Yalagi)	Secure Authorization And Deduplication Of Medical Record With Strong Cyber Security Enc/Dec Algorithms In Hybrid Cloud	Published	2024
12.	Mr. Abhijit V. Mophare, Mr. Vinayak V.Pottigar & et al.	An Innovative Gadget For Controlling Wandering Animals To Enhance Road Safety	Granted	2024
13.	Dr. Mrs. R. K. Dixit & et al.	A System for data encryption method by cloud cryptography and method thereof	Granted	2023
14.	Dr. V. A. Athavale & et al.	System and Method For Monitoring Activities Of A Subject	Published	2022
15.	Dr. Mrs. R. K. Dixit & et al.	Data Science based machine leaning model on economic applications for health monitoring via wearables	Published	2022
16.	Dr. Ms.A.V. Thalange, Dr. Mrs. R. R. Mergu, Mrs. P. S. Shetgar & et al.	A Technology-based system for the management and detection of ADHD and other behavioural disorders	Granted	2021
17.	Dr. Ms.A.V. Thalange, Dr. Mrs.R.J. Shelke Mrs. M.N. Shrigandhi & et al.	A real-time computer-based system to detect mental health disorders and behaviour patterns.	Granted	2021
18.	Dr. S.K.Sarsamkar & et al.	Synthesis & Biological Activity (Anti Bacterial & Anti Fungal Base Metal Complexes	Published	2013
19.	Dr. S.A.Halkude &et al.	Process And Device For Water Purification Using Novel Coagulant	Published	2013