



VARDHAMAN COLLEGE OF ENGINEERING (AUTONOMOUS)

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Kacharam, Shamshabad, Hyderabad – 501218, Telangana, India

Department of Electronics and Communication Engineering AY 2023- 24 Patents Granted/Published/Filed

S. No.	Title of the Patent	Name of the Faculty	Patent no	Application Date /Publication Date	Name of Applicant institute
1	Multiband Microstrip Fractal antenna For Communication Under 5g Environment	Dr. Ch Sulakshana Dr. P. Nageswara Rao Mrs.V.Harini Mr.K.H.Murali Mr.Maheshwar reddy	Application No. 202341069386 A	Date of Filed:15/10/2023 Date of Published :24/11/2023	Vardhaman College of Engineering
2	Techniques For Antenna Switching Management In A Multiple Subscriber Identity Module Mode	Dr. Ch Sulakshana Dr. P. Nageswara Rao Mrs.V.Harini Mr.K.H.Murali Mr.Maheshwar reddy	Application No. 202341069389 A	Date of Filed:15/10/2023 Date of Published :24/11/2023	Vardhaman College of Engineering
3	Smart and innovative ramp for boarding and getting off from train	Dev Rajput Bommanaboina Keerthan Kumar Irukulla Adwaith Jestadi Nikhil Noel Namadari Karthikeyan A. Vijaya Lakshmi Naresh Kumar	Application No. 202341081165 A	Date of Filed:29/11/2023 Date of Published :29/12/2023	Vardhaman College of Engineering
4	DNA Based Biosensors to Detect Infectious Diseases And Genome Sequence	Dr. A. Vijayalakshmi Dr. D. Praveen kumar Dr Ch. Sreenivasa rao Dr. A. Jaya lakshmi Dr. M. Naresh kumar Mr.G.Vinesh kumar Mr. K. Sripal reddy	Application No. 202341087007 A	Date of Filed:19/12/2023 Date of Published :12/01/2024	Vardhaman College of Engineering
5	Artificial intelligence based approach for accurate prediction of oral cancer in persons consuming areca nuts	Mr. K. Sripal reddy Dr. M. Naresh kumar Mr.G.Vinesh kumar Dr. A. Jaya lakshmi Dr. A. Vijayalakshmi Dr Ch. Sreenivasa rao Dr. D. Praveen kumar	Application No. 202341087003 A	Date of Filed:19/12/2023 Date of Published :12/01/2024	Vardhaman College of Engineering

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6	Evaluation of contour based digital segmentation methods for micro ultrasound Images using machine learning	Dr. D. Nagajyothi Dr.D. Krishna Dr. Sanjuktarani Jena Dr Narasimha reddy Dr. GAE Satish Kumar Mr. Pavan Kumar K Dr. S. Sujana Mrs. K. Ashwini Dr. D. Praveen Kumar	Application No. 202441018665	Date of Filed:14/03/2024 Date of Published :29/03/2024	Vardhaman College of Engineering
7	Designing An Image-Processing Based Technique Integrated with Artificial Intelligence for Predicting the Life Span Of Wildlife Creatures Based On Their Tissue Culture	J Krishna Chaithanya M Gopi Krishna V Jyothi J Swetha Priyanka M Srilatha T Ramakrishnaiah S Srinivas	Application No. 202341081047	Date of Filed:29/11/2023 Date of Published : 29/12/2023	Vardhaman College of Engineering
8	Design Of Structural Analysis for Water Reservoir Structures and Land Stability Using Robotic Technology To Determine The Life Span Of Water Reservoir	J Krishna Chaithanya M Gopi Krishna V Jyothi J Swetha Priyanka M Srilatha T Ramakrishnaiah S Srinivas	Application No. 202341081045	Date of Filed:29/11/2023 Date of Published : 29/12/2023	Vardhaman College of Engineering
9	Crosstalk-Induced Delay Faults in VLSI Circuits Using AI Fan	M Pratussha Tareeq Zaid I Babu P. Bindu Swetha S. Karunakaran Sangeeta Singh S. Rajendar C. Padmini R. Phani Vidyadhar B. Srikanth Nagarjuna Malladhi P. Kalyani	Application No. 202441018656	Date of Filed:14/03/2024 Date of Published : 29/03/2024	Vardhaman College of Engineering
10	High Level Synthesis System for VLSI Pattern Image Processing System	Nagarjuna Malladhi P. Kalyani B. Srikanth R. Phani Vidyadhar P. Bindu Swetha Tareeq Zaid M Pratussha I Babu Sangeeta Singh S. Rajendar C. Padmini	Application No. 202441018661	Date of Filed:14/03/2024 Date of Published : 29/03/2024	Vardhaman College of Engineering

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		S. Karunakaran			
11	Digital Multi-Core SIMD Implementation For H.264/AVC Encoder	S. Rajendar C. Padmini S. Karunakaran Sangeeta Singh B. Srikanth Nagarjuna Malladhi R. Phani Vidyadhar P. Kalyani I Babu Tareeq Zaid M Pratussha P. Bindu Swetha	Application No. 202441018654	Date of Filed:14/03/2024 Date of Published : 29/03/2024	Vardhaman College of Engineering
12	Biometric Authentication Device	Susanta Kumar Sahoo, Jagadish Ramthirth Math, Sanjuktarani Jena, Abhishek Dixit, Nirmal Keshari Swain, Mohammed Musab Haqqani, Vazzula Manish, Kumavat Prakash, Tuhina Panda, Sonali Das	Design number: 6345939 UK Patent	Registration date: 09 /02/2024 Grant date: 04/03/2024	-
13	Artificial Intelligence Based Plant Extract analyzing Device to Identify Disease	Dr. Sreenivasulu Gogula, Dr.Y.Chakrapani ,Mr. M.Ravi Kumar, Dr. Ch. Sreenivasa Rao, Y.V.S.Durga Prasad, Mrs. Mucherla Usha Rani, Dr. Kuthadi Venu Madhav	Design No. : 396740-001	Registration date: 05/10/2023 Date of issue: 01/12/2023	-
14	IOT Based Smart Locker for Vehicles	V. Jyothi M. V. Subramanyam Mr. Jarpula Mokshith M. V. S. Sai Snehitha Dr. J. Sofiya Priyadarshini	Design No. : 386736-001	Registration date: 22/05/2023 Date of issue: 25/09/2023	-

S. No.	Title of the Patent	Name of the Faculty	Patent no	Application Date /Publication Date	Name of Applicant institute
15	A SMART AND PAINLESS INTRAVENOUS CANNULATION ASSISTING DEVICE	1.Ms. VISHALINI N C 2.Dr. M NARESH KUMAR 3.Dr. R CHITRA KALA 4.Dr. THOLKAPPIA ARASU G	Application No. 202141029536	Date of Filed:01/07/2021 Date of Granted: 31/01/2024	-
16	STRIPE FOR DETECTION OF KIDNEY STONES	1.Mr. Mahiilmithran Nc 2. Ms. Vishalini Nc 3.Dr. M Naresh Kumar 4.Dr. R Chitrakala 5.Gowthami S	Design No. : 411072-001	Date of Filed: 20/03/2024 Date of Issue: 30/05/2024	-
17	SMART PEN AND PENCIL WITH FOLDABLE SCALE ATTACHED	1.Ms. Vishalini N C 2. Dr. R Chitra Kala 3.Dr. M Naresh Kumar	Design No. : 411072-001	Date of Filed: 09/04/2022 Date of Issue: 25/01/2024	-

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