

**SIDDHARTHA ACADEMY OF HIGHER EDUCATION
(DEEMED TO BE UNIVERSITY)
DEPARTMENT OF MECHANICAL ENGINEERING: VRSSE
IPR Details, AY 2025-26**

Date: 15/07/2026

Total no of Patents: 33 Granted: 4 Published: 26 Filed: 3

S. No	Title	Ref. No	Dept.	Patent Filed Date	Published Date, if any	Name of the Faculty	Status	IPR Type	Processed through Institution/self
1.	Intelligent Learning System For Enhancing EFL And Mathematical Skills With Adaptability And Sustainability In Higher Education	202541064224	ME	04-07-2025	11-07-2025	R. V. Kiran Kumar Sree vidya S Dr.Y B Kariyappagowda MD Ariffuddeen Dr. Vinay saxena Dr. G. P goyal Dr. A shrivastava Dr. brajesh kumar Dr. Deepak dixit K. umare thool P krishna veni A.S harina	Published	Utility	Self

2.	Deep Learning Assisted Framework for Smart Irrigation Prediction and Environmental Monitoring in Agriculture	202541064330	ME	05-07-2025	11-07-2025	R. V. Kiran Kumar Dr.P.jaisankar RVS praveen Dr. V. sadhana Dr. A G sagaya raj Dr.ratna raju mukiri Dr .Ghanshyam das Dr .amith biswas S mohankumar M Eknath sanap Dr .Ashok kumar Dr .Shaminder kumar	Published	Utility	Self
3.	Segmented Valve Mechanism with Integrated Novel Fuel Injection System for Enhanced I.C Engine Performance	202541067613 A	ME	15/07/2025	25/07/2025	Dr.M.Balaji Dr. S.Janakiraman Dr. B.Rajabharaman Dr. T Venkatamuni Dr.P.Arunprasad R Surakasi	Published	Utility	Self

4.	Automatic Braking System for Two wheelers Utilizing Proximity Sensor Based Collision Avoidance	202541072344 A	ME	20/07/2025	15/08/2025	Dr.M.Balaji Dr.B.Raja Bharathi Dr.S.janakiraman Mr.Mohankumar Kalimutthu J venkugopal Dr.P.suresh kumar R Rajaprasanna	Published	Utility	Self
5.	Machine Learning-Enabled IOT Device for Early Detection Of Plant Leaf Diseases Using Image Processing	202541071118	ME	25/07/2025	01/08/2025	RVS Praveen R.V. Kiran Kumar Kala K U Dr suniti kumar Mrs.S. Anusha Dr. Deepa Jananakumar Dr.K.Nanthitha Senthil kumar M Mr.sudhakar P S Ms.S.R.ramya S Suganya R Dhivya	Published	Utility	Self
6.	A MACHINE LEARNING-ENHANCED DNA NANOTECHNOLOGY APPROACH FOR CANCER DIAGNOSIS	202541071214	ME	26/07/2025	01/08/2025	M.S.V.D.Sudarsan R. V. Kiran Kumar G Manjunatha Dr.C.C premakumari	Published	Utility	Self

	AND TARGETED THERAPY					Dr.Sanjeev kumar Dr.Amith chauhan Dr.Mamata Dr.Rakesh K Dr. M Shunmugasundaram Dr.Vishnu kiran M S N Lakshmi K Vishnupriya			
7.	Portable Tabletop Groundnut Shell Removal Machine	202541071170	ME	26 /07/ 2025	01/08/2025	P. Gopinadh Chowdary G. Jamuna Rani, S Indrasena Reddy	Published	Utility	Self
8.	Machine Learning- Assisted Self-Healing Polymer Composites with Embedded Microcapsules for Intelligent Crack Detection and Repair	202541075991	ME	10/08/2025	05/09/2025	R. V. Kiran Kumar Dr.Krishna Prasad S Dr.E A Duodu Praveena Rao Dr.Blessy B Dr.M.Srinivasa Rao G .Durgadevi N M. Narkhede Dr.S M	Published	Utility	Self

						Subhramanian N A upadhye Dr.Pramod Nagraaj V K Suryawanshi			
9.	IOT based Manhole Detection and Monitoring System	202541077988	ME	16/8/2025	29/8/2025	Ponnaganti Gopinadh Chowdary G. Jamuna Rani V.Tarun K.Someswara rao D.Nikhil B.Tilak	Published	Utility	Self
10.	IOT-Integrated AI Controller For Real- Time Battery Temperature And Load Balancing In Electric Vehicles	202521074654	ME	06/08/2025	15/08/2025	S Kanungo Dr. R. V. Kiran Kumar M Karthik kumar Dr Janarthanam S Dr Vaibhav Baburao Dr.Neeraj Jain Dr.Rajkumar Kundlik C L.Boopalan A.D.Kanmani S Arunkumar Dr.Irissappane D S	Published	Utility	Self

						S.Anantha K			
11.	An Intelligent Machine Learning System For Optimizing Power Output in Photovoltaic Arrays Under Partial Shading Conditions	202541077953	ME	16/08/2025	29/08/2025	1 . Dr.Venkata Kiran Kumar Ravi 2 . Dr. Rajkumar Kundlik Chougale 3 . Prof. Mukesh Kumar Singh 4 . Vibhu Sharma 5 . M.Kalidasan 6 . V P Krishnamurthy 7 . Dr. Praveenkumar Arjun Patel 8 . Gowdhami K 9 . Ramala Ashok 10 . P. V. Muralikrishna 11 . Salina pooja 12 . Dr. Pritam	Published	Utility	Self

						Chattopadhyay			
12.	Integrated Health Monitoring System For Kidney Stone Prediction Based On Biochemical Urine Parameters And Machine Learning	202541074567	ME	05/08/2025	05/09/2025	1 . Dr.Venkata Kiran Kumar Ravi 2 . Dr Reji Manjunathan 3 . D Sudheer Reddy 4 . Leka K K 5 . Ramesh Dahal 6 . Dr Simi Sam 7 . Dr.Divvela Srinivasa Rao 8 . Dr Logeshwari Dhavamani 9 . Dr Niyaz Hussain A M J 10 . Dr M Rambabu 11 . Dr.S.Balakrishna 12 . Dr.Soubache. I.D.	Published	Utility	Self

13.	ML based Computer Device for Predictive Stress Analysis	6470326	ME	05/09/2025	24/09/2025	Dr. R. V. Kiran Kumar L S Vageshappa, V. Sivasubramaniam, Dr.A Murali, Dr. R. Ranadevan, Sk. Balkhi Banu, Dr, S.K Guptha, M V Unni, D S Jadhav, V Sankaranarayanan	Grant	Design	Self
14.	AI-Based Nerve Activation Device for Healthcare Treatment	6474125	ME	21/09/2025	30/09/2025	Dr. R. V. Kiran Kumar G. Ravi Sankar, P S paulraj, M Aruna, V S P Rani, A Raviteja, Dr. Rakesh Ashok more, Sk. Babu, Dr. R Rajakumaravelu, M.E Sanap	Grant	Design	Self

15.	Automated, Bluetooth Controlled KitchenScrubBot	202541108077	ME	07/11/2025	28/11/2025	Malladi Jogendra Prasad G Jamuna Rani T. Sai Venkata Pavan G. Uday Kiran	Published	Utility	Self
16.	Multi-Purpose Staircase Lift	202341075979 A	ME	07/11/2023	11/07/2025	Guduru Venkata Maruthi Abhiram Dr. M.Balaji R.Naveen M.A.H.Irshad	Published	Utility	Self
17.	A Method Of Fabricating An Eco- Friendly Thermally Insulated Bio- Composite Roofing Sheet	202541100788	ME	17/10/2025		Siddhartha Academy of Higher Education Dr AV Ratna Prsad, Dr K.Ramanaiah, M.Pravallika, K.Prasanth	Filed	Utility	Processed through Institution

18.	An Eco-Friendly Thermally Insulated Biomass Safety Helmet	202541072709	ME	31/07/2025	06/03/2026	Siddhartha Academy of Higher Education Dr K.Ramanaiah, Dr AV Ratna Prasad, K. Rahul Kumar, K.Mohan Raj	Published	Utility	Processed through Institution
19.	A Method For Preparing Biodegradable Agro- Waste Fiber Reinforced Composite Material For Electric Vehicle	202541083871	ME	03/09/2025	12/06/2026	Siddhartha Academy of Higher Education Dr K.Ramanaiah, Dr AV Ratna Prasad, M.Pravallika,	Published	Utility	Processed through Institution
20.	Machine Learning– Driven Predictive Framework for Real- Time Financial Fraud Detection And Prevention	202541115544	ME	22/11/2025	05/12/2025	1 . Dr. Akana Chandra Mouli Venkata Srinivas 2 . Veernapu Sudheer Kumar 3 . Dr.B.Gopinath 4 . Dr. K.Siva Nageswara Rao 5 . Dr.S.Nithyakalyani	Published	Utility	self

						6 . Dr.M.I.Thariq Hussan 7 . Dr.J.kavitha 8 . Dr Devendra Ajit Dagade 9 . Umamaheswari.P 10 . Dr. Dhananjay 11 . S.Rajeswari 12 . S.R.Ramya			
21.	Machine Learning Approach to Student Performance Prediction and Outcome Analysis in Higher Education	202511073787	ME	03/08/2025	22/08/2025	1 . Dr Manoj Kumar Sharma 2 . Veernapu Sudheer Kumar 3 . Dr. Rani Venkata Satya Praveen 4 . Sriharsha Sista 5 . RaviTeja Aida 6 . Srinikhil Saisatya Vemuri 7 . Balaji Sankar 8 . Dr. Soumitra Mondal 9 . Ismatha Begum 10 . K Gayathri 11 . Rahamathunnisha A	Published	Utility	Self

						12 . Aparna Chinnaraj			
22.	Computer Device for analysis Crime Patterns	6485798	ME	14/11/2025	20/11/2025	V Sudheer Kumar, K Kavitha, Deepthi rani, A.Lathwal, A.Sangwan, Dr. R A More, P. Rajanna, Ch. Venugopal, S. Chenniappan, A. Pratap Singh	Grant	Design	Self
23.	A Method of preparation of Biofuel	202241032373	ME	06/06/2022	21/01/2026	AN Phani Deepthi	Grant	Utility	Self

24.	IOT Based apparatus for the synthesis of nanoparticles	469019-001	ME	08/08/2025	24/10/25	1. Dr.Venkata Kiran Kumar Ravi 2. Dr. T.S.Karthik 3. Dr. Sachin S. Chourasia 4. Dr.Baburao Gaddala 5. Dr. Mukesh Rani 6. Dr.Babu E R 7. Prof(Dr) Sumit Kumar Gupta 8. Dr. Jyoti Prakash Dhal	published	Design	Self
25.	Machine learning based forecasting of crop yield using climate and remote sensing data	202521043062 A	ME	03/05/2025	04/07/2025	1 . Mitushi Soni 2 . Dr.Venkata Kiran Kumar Ravi 3 . Dr. T. Rambabu 4 . Dr Suniti Kumar Kuriyal 5 . RVS Praveen 6 . Dr. Jagdish Chand 7 . Aswini E 8 . Dr. P M Yohan 9 . P. Lakshmi Prasanna 10 . Dr. SK Althaf Hussain Basha	Published	Utility	Self

						11 . Battula Kasi Viswanadham 12 . S. Prabhavathy			
26.	IOT and Machine learning enabled system and method for smart waste monitoring and optimization in smart cities	2025110055944 A	ME	10/06/2025	04/07/2025	Dinesh Kumar Yadav Dr.Venkata Kiran Kumar RaviAmshavalli M R Kalaivani Dr. Shrinivas Sirdeshpande Usha Ashitha V NaikD.Nagadevi Kaushal Kishore Prakhar Consul Hilal Ahmad Shah Dr. Basab Nath	Published	Utility	Self

27.	Machine learning framework for dynamic financial forecasting and market trend prediction in tourism	202541061331 A	ME	26/06/2025	11/07/2025	1 . Venkata Kiran Kumar Ravi 2 . Dr.K.Rajesh Kumar 3 . Dr. Sreeya B 4 . Dr K Sankar Ganesh 5 . Anubha Gaur 6 . Rahul Bharadwaj 7 . Dr.Sudha Arogya Mary Chinthamani 8 . M.Saravanakumar 9 . Bhagyashree Dabi 10 . Muthukumar K 11 . Hrithick Kanagaraj 12 . Anvesh Perada	Published	Utility	Self
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28.	Sensor based device for optimizing carbon sequestration and plant growth	468338-001	ME	03/08/2025	12/12/25	R. V. Kiran Kumar Dr. R P Shinde Dr. Suniti Kumar K Dr. P. Sumalatha Dr. G Baburao Dr. I B Ghorude Manoj Kumar S. Devisri	Published	Design	Self
29.	Portable solar powered generator	468166-001	ME	01/08/2025	31/10/25	R. V. Kiran Kumar Ravathi Dr. P. Medesety G ramakrishna Dr. S V G V A Prasad M Sakthivel Dr. G Edamadaka Dr. V Pandey	Published	Design	Self

30.	Railway track deflection and gauge length measuring device	202641021731	ME	24/02/2026	-	Dr. K. Srinivas Dr.G. Jamuna Rani K.Karthik K.Satya Siva Prasad D.Sudharshan	Filed	Utility	Self
31.	Integrated AI system for public Safety forecasting using social vulnerability and environmental risk factors	202641047448	ME	14/04/2026	15/05/2026	Siva Prasad Kolluri Prof. Vijay Prakash Srivastava Dr. Urvashi Dr Sreekala. C.K. V.Sathya Dr. Swapnil Chandrakant Mane Snehal C.Mane Jaya Priya A Balamurugan E Nilabar Nisha U Dr.G.Agslya Dr. Nitish Kumar Singh	Published	Utility	Self

32.	Smart –LPG Monitoring Platform	202641069534	ME	03/06/2026	12/06/2026	M.Jogendra Prasad V.sri Karthik Polani Sree Pranavi M. Vyomakesa Subrahmanyam P. Baby Vagdevi	Published	Utility	Self
33.	An electromechanical energy harvester and autonomus train collision avoidance system	202541076447	ME	12/08/2025	-	Siddhartha Academy of Higher Education Vemuloori Vasu Raavi Kiranthi Kumar Md.Yasir Sharif K.Gopi Chand	Filed	Utility	Processed through Institution