

SRI VENKATESWARA COLLEGE OF ENGINEERING

Patents published by IPR in the year 2023-2024 (14)

S. No	Name of the Applicants	Name of the Inventors	Title	Application Number and date on which Patent filed	Status
1.	Dr D Menaka , ASP/ECE Ms D Uma Maheswari, Mr N S Sribalaji Mr Rakesh Valavaluri, 2023 Passed out students of SVCE	Dr D Menaka , ASP/ECE Ms D Uma Maheswari, Mr N S Sribalaji Mr Rakesh Valavaluri, 2023 Passed out students of SVCE	Innovating Interface- Exploring Hand Gesture Recognition For Smart Interaction	Application No: 202341038733 Filed on 6/6/2023	Published 1/9/2023
2.	Mr M Lakshmanan , AP/CSE Dr G S Anandha Mala Dr K M Anand Kumar	Mr M Lakshmanan , AP/CSE Dr G S Anandha Mala Dr K M Anand Kumar	Merkle tree-block chain assisted privacy preservation of electronic medical records on offering medical data protection through hybrid heuristic algorithm	Application No. 202341063024 A Filed on 20/9/2023	Published 6/10/2023
3.	Dr S Anandhavelu , AP/ACH Dr A Dhandapani Dr V Hariharan Dr S Prakash Dr Ajay Singh Yadav Dr P Vijayakumar Dr U Rizwan Sulthana	Dr S Anandhavelu , AP/ACH Dr A Dhandapani Dr V Hariharan Dr S Prakash Dr Ajay Singh Yadav Dr P Vijayakumar Dr U Rizwan Sulthana	Synthesised Titanium Dioxide for Photocatalytic Degradation	Application No. 202341058876 A Filed on 1/9/2023	Published 6/10/2023

4.	Ms.K.Srividhya, AP/ECE, Dr.D.Menaka, ASP/ECE, Ms.K.S.Subhashini,AP/ECE Ms.S.Kalyani, AP/ECE and L.Anju, AP/ECE	Ms.K.Srividhya, AP/ECE, Dr.D.Menaka, ASP/ECE, Ms.K.S.Subhashini,AP/ECE Ms.S.Kalyani, AP/ECE and L.Anju, AP/ECE	A system based on ML for determining a channel state for Wireless Communication	Application No. 202341058912 A Filed on 2/9/2023	Published 6/10/2023
5.	Dr K Prathibanandhi Mr R Sivaprasad Ms V Malini Dr C Yaashuwanth, Professor/INT	Dr K Prathibanandhi Mr R Sivaprasad Ms V Malini Dr C Yaashuwanth Professor/INT	Motor and Battery Overheat Detection in Electric Vehicle	Application No. 202341070533 A Filed on 17/10/2023	Published 3/11/2023
6.	Dr R Kannadasan, AP/EEE Ms K Sandhiya, Dr G Malarvizhi	Dr R Kannadasan, AP/EEE Ms K Sandhiya, Dr G Malarvizhi	Integrated Dynamic Emergency Vehicle Evacuation System with Enhanced Traffic Control and Routing Optimization	Application No. 202341074626 A, filed on 02/11/2023	Published 15/12/2023
7.	Dr A Saravanan AP/MEC	Dr A Saravanan AP/MEC	Fixture for Cylindrical Work piece	Application No. 202341058706 A Filed on 1/9/2023	Published 12/01/2024
8.	Dr P Sharon Femi ASP/INT Dr A Kala, ASP/INT Ms R Saktheeswari AP/INT Dr V Rajalakshmi ASP/CSE Dr A Indumathi ASP/INT Ms N Uma, AP/INT	Dr P Sharon Femi ASP/INT Dr A Kala, ASP/INT Ms R Saktheeswari AP/INT Dr V Rajalakshmi ASP/CSE Dr A Indumathi ASP/INT Ms N Uma, AP/INT	Smart Walker for Managing body alignment	Application No. 202341054066 A Filed on 11/8/2023	Published 12/01/2024

	Ms M Sugacini, AP/INT	Ms M Sugacini, AP/INT			
9.	SVCE	Dr. S. Rajalakshmi, ASP/CSE Ms S Bhavya, IV CSE(2024) Mr T K Anantha Krishnan IV CSE (2024) Mr S Dharan IV CSE(2024) Ms J Buvana, AP/CSE Dr S Kalavathy, ASP/INT Dr V M Sivagami, Professor/INT	A framework for plant leaf disease classification	Application No. 202441001259 A Filed on 7/1/2024	Published 9/2/2024
10.	Dr C Gopinath, Professor/EEE Ms P Bharathi Priyadharshini, Final Year UG/EEE Mr T Dafinny Final Year UG/EEE Mr Ajay Rohith Final Year UG/EEE Mr R Srihari	Dr C Gopinath, Professor/EEE Ms P Bharathi Priyadharshini, Final Year UG/EEE Mr T Dafinny Final Year UG/EEE Mr Ajay Rohith Final Year UG/EEE Mr R Srihari	A system and method for thermoelectric and photovoltaic charging of battery packs for electric vehicle application	Application No.202441032680 A Filed on 25/4/2024	Published 3/5/2024
11.	Dr J Kesavan Dr SS Sethuraman, ASP/EEE Mr S Rajasulochana Mr R Siddhardhan Mr Suresh Mr S Nachimuthu	Dr J Kesavan Dr SS Sethuraman, ASP/EEE Mr S Rajasulochana Mr R Siddhardhan Mr Suresh Mr S Nachimuthu	Cluster electric vehicle charging behaviour optimization method based on deep reinforcement learning	Application No.202441029453 A Filed on 11/4/2024	Published 19/4/2024

12.	<p>Dr.A.Kala, ASP/INT, Mr S Hariharan, Final year UG/INT, Mr B Madhavan, Final year UG/INT , Mr M H Mohammed Sakeeb, Final Year students/INT, Dr P Sharon Femi, ASP/INT Dr V Rajalakshmi, ASP/CSE</p>	<p>Dr.A.Kala, ASP/INT, Mr S Hariharan, Final year UG/INT, Mr B Madhavan, Final year UG/INT , Mr M H Mohammed Sakeeb, Final Year students/INT, Dr P Sharon Femi, ASP/INT Dr V Rajalakshmi, ASP/CSE</p>	CAREMATE-An integrated elderly support system	Application No. 202441035992 A, filed on 7/5/2024	Published 17/5/2024
13.	<p>Dr S Vijayanand Associate Professor Dr Venkatesh Kanagaluru, Assistant Professor Ms. Abinaya G Ms.Ashratha M R Ms.Uma Maheshwari R Final year students of ECE 2024 batch</p>	<p>Dr S Vijayanand Associate Professor Dr Venkatesh Kanagaluru, Assistant Professor Ms. Abinaya G Ms.Ashratha M R Ms.Uma Maheshwari R Final year students of ECE 2024 batch</p>	IoT-Based Anesthesia Control and Monitoring System	Application No. 202441040462 A Filed on 24/5/2024	Published 31/5/2024
14	<p>Dr. P Janarthanan, Professor/CSE Ms Yerragogu Rishitha, Ms Sunandita R, Ms Shwetha Sadanand, Mr Vinay Varshigan S J, Mr Srihari S A</p>	<p>Dr. P Janarthanan, Professor/CSE Ms Yerragogu Rishitha, Ms Sunandita R, Ms Shwetha Sadanand, Mr Vinay Varshigan S J, Mr Srihari S A</p>	Web based water infrastructure mapping and water flow rate monitoring	Application No. 202441043155, filed on 4/6/2024	Published 14/6/2024

Patents granted by IPR in the year 2023-2024 (18)

S.No	Name of the Applicants	Name of the Inventors	Title	Application Number and date on which Patent granted	Status
1.	Dr.A.Prasanth , AP/ECE Dr.N.G.Praveena, Dr.W.T.Chembian, Mrs. N.Pushpalatha and Mrs. Lavina Balraj	Dr.A.Prasanth , AP/ECE Dr.N.G.Praveena, Dr.W.T.Chembian, Mrs. N.Pushpalatha and Mrs. Lavina Balraj	IoT-based electronic wheelchair	Application No. 367203-001 Filed on 4/7/2023 (Design Patent)	Granted 367203-001 18/7/2023
2.	Mr.Gurugokul ,AP/INT ,Dr. P. Leela Rani , ASP/INT, Dr. N. Devi , ASP/INT, Mr. N. Selvaganesh , AP/INT and Dr. N. Kumarathan , Prof/ ECE.	Mr.Gurugokul ,AP/INT ,Dr. P. Leela Rani , ASP/INT, Dr. N. Devi , ASP/INT, Mr. N. Selvaganesh , AP/INT and Dr. N. Kumarathan , Prof/ ECE.	Wireless Laptop charger cum cooling pad	Application No. 6300978 Filed on 2/8/2023 Published on 13/8/2023 UK design Patent	Granted 6300978 13/8/2023

3.	Dr S. Rajalakshmi, AP/CSE Ms S Harishri, IV CSE Ms J Buvana, AP/CSE Dr S Kalavathi, ASP/INT Ms J Harishtha, IV CSE Dr D Vinodha Dr E A Mary Anita Dr J Jenefa	Dr S. Rajalakshmi, AP/CSE Ms S Harishri, IV CSE Ms J Buvana, AP/CSE Dr S Kalavathi, ASP/INT Ms J Harishtha, IV CSE Dr D Vinodha Dr E A Mary Anita Dr J Jenefa	Pothole Detecting Device	Application No. 391400-001, filed on 28/7/2023 Design Patent	Granted 391400-001 25/10/2023
4.	Dr. A. R. Venmathi, Dr. M Kavitha , AP/ECE Mr.L.K.Balaji Vignesh, Dr. M. Suganthy, Dr. P. R. Buvaneswari	Dr. A. R. Venmathi, Dr. M Kavitha , AP/ECE Mr.L.K.Balaji Vignesh, Dr. M. Suganthy, Dr. P. R. Buvaneswari	IoT-based wearable medical monitoring device	Application No. 392312-001 Filed on 9/8/2023 Design Patent	Granted 392312-001 26/10/2023
5.	Dr Jyoti Mor Dr P Sandhya Ms S Jayachitra Dr A Prasanth, AP/ECE	Dr Jyoti Mor Dr P Sandhya Ms S Jayachitra Dr A Prasanth AP/ECE	Artificial Electronic Hand	Application No. 394101-001 Filed on 30/8/2023 Design Patent	Granted 394101-001 25/10/2023
6.	Dr R Anitha Professor and Head/CSE Dr C Muralidharan Dr P Vinothiyalalshmi , ASP/CSE Dr T Padmavathy ASP/CSE Dr Y Mohamed Sirajudeen	Dr R Anitha Professor and Head/CSE Dr C Muralidharan Dr P Vinothiyalalshmi , ASP/CSE Dr T Padmavathy ASP/CSE Dr Y Mohamed Sirajudeen	Search and place filter(SPF)-A Probabilistic data structure for Virtualization	Application No. 201841038564 Filed on 11/10/2018	Granted 475501 30/11/2023
7.	Ms Rajeswari Rakkappan,	Ms Rajeswari Rakkappan,	Hydrothermal method for preparing copper doped-Zinc	Application No. 202141027599	Granted 483641

	Ms Kavitha Alagappan, Mr Gurumallesh Prabu Halliah and Dr S .Ananda Babu, AP/ACH	Ms Kavitha Alagappan, Mr Gurumallesh Prabu Halliah and Dr S .Ananda Babu, AP/ACH	Oxide/reduced graphene oxide (Cu-ZnO/RGO) nanocomposite	Filed on 21/6/20221	15/12/2023
8.	Dr. Vimalkumar Stephen K Mr.Anandkumar S Malipatil Mr.D.Balakrishnan Dr S Vijayanand, AP/ECE Dr S Gnanasaravanan Dr Atowarul Islam Dr Manas Ranjan Mohapatra Dr.S.Boobalan Dr V.Kannan	Dr. Vimalkumar Stephen K Mr.Anandkumar S Malipatil Mr.D.Balakrishnan Dr S Vijayanand, AP/ECE Dr S Gnanasaravanan Dr Atowarul Islam Dr Manas Ranjan Mohapatra Dr.S.Boobalan Dr V.Kannan	IoT based wireless ECG monitoring	Design Patent filed on 24/6/2023	Granted 388996-001 29/12//2023
9.	Dr R Ramesh, Professor Dr C Senthamarai Kannan	Dr R Ramesh, Professor Dr C Senthamarai Kannan	A stringer device with adjustable deflective correction	Application No. 201841015943 Filed on 27/04/2023	Granted 499411 15/1/2024
10.	Dr R Kannadasan, Assistant Professor/EEE SVCE	Dr R Kannadasan, Assistant Professor/EEE SVCE	Multi-layer Multi-purpose SMART waste management using Internet of Things (IoT)	Application No. 202241043847 Filed on 1/8/2022	Granted 503993 29/1/2024
11.	Dr A Prasanth Assistant Professor/ECE SVCE Ms. S. Jayachitra Dr. S. Lavanya Dr. D. Rajalakshmi Dr. S. Hemalatha	Dr A Prasanth Assistant Professor/ECE SVCE Ms. S. Jayachitra Dr. S. Lavanya Dr. D. Rajalakshmi Dr. S. Hemalatha	IoT based agriculture robot for pesticides spraying	Filed on 7/12/2023	Granted 401652-001 9/2/2024

12.	Dr C Pabitha Dr S Pallavi Deshpande Ms S. Viswajaa Ms Shobhanjaly P Nair Assistant professor/CSE	Dr C Pabitha Dr S Pallavi Deshpande Ms S. Viswajaa Ms Shobhanjaly P Nair Assistant professor/CSE	IoT enabled respiratory sensing device	Filed on 14/01/2024	Granted 404489-001 1/3/2024
13.	Mr R Prashanna Rangan, Final Year PG IAR Mr M Nishal, AP/MEC Mr K Ramprasad, AP/MEC Mr M Maheswaran, AP/MEC	Mr R Prashanna Rangan, Final Year PG, IAR Mr M Nishal, AP/MEC Mr K Ramprasad, AP/MEC Mr M Maheswaran, AP/MEC	Passive ankle prosthetic for below knee Amputee	Application No. 202241052452 Filed on 14/9/2022	Granted 524034 12/3/2024
14.	Dr M Anbarasan Dr N Gobalakrishnan, ASP/INT Dr L Sherly Puspha Annabel Dr K Regin Bose	Dr M Anbarasan Dr N Gobalakrishnan, ASP/INT Dr L Sherly Puspha Annabel Dr K Regin Bose	Portable AI device for intelligent classroom	Filed on 13/12/2023	Granted 402037-001 9/2/2024
15.	Mr J Sivaramapandian, AP/MEC Dr. M. Prem Ananth, ASP/MEC Mr. A. Ranjith Raj, AP/MEC Mr. J. M. Revanth Akilan .Mr. S Ragul Final year students 2023	Mr J Sivaramapandian, AP/MEC Dr. M. Prem Ananth, ASP/MEC Mr. A. Ranjith Raj, AP/MEC Mr. J. M. Revanth Akilan .Mr. S Ragul Final year students 2023	Hand operated adjustable semi automatic brooming and mopping device	Filed on 13/9/2022	Granted 370755-001 19/4/2024
16.	Ashwin Kumar Sahoo Dr Nalin Kant Mohanty Professor/EEE	Ashwin Kumar Sahoo Dr Nalin Kant Mohanty Professor/EEE	Solar powered Agricultural Machine for Fruit harvesting	Filed on 10/4/2024	Granted 413205-001 29/5/2024

	Dr C Kamal, Assistant Professor/EEE	Dr C Kamal Assistant Professor/EEE	(Design Patent)		
17.	Dr Nalin Kant Mohanty Professor/EEE With others	Dr Nalin Kant Mohanty Professor/EEE With others	Solar panel energy generation monitoring device (Design patent)	Filed on 15/3/2024	Granted 410590-001 5/6/2024
18.	Dr K Suresh, Assistant Professor/INT and along With others	Dr K Suresh, Assistant Professor/INT and along With others	Automatic Tyre Inflation System for Vehicles	Filed on 22/4/2024	Granted 414458-001 29/5/2024