

SRI VENKATESWARA COLLEGE OF ENGINEERING

Patents Filed/published IPR in the year 2022-2023 (27)

S.No.	Name of the Applicants	Name of the Inventors	Title	Application Number and date on which Patent filed	Status
1.	Dr R Kannadasan Sri Venkateswara College of Engineering	Dr R Kannadasan Sri Venkateswara College of Engineering	Multi-layer-multi-purpose smart waste management system using internet of things (IoT)	202241043847 1/8/2022 (Filed)	Published 5/8/2022
2.	Dr P K Praveen Kumar, BIO Dr Nikhat Farhana Dr S Thenmozhi Ms Bhawana Kapoor Dr S Srinivasan Dr Shubhajit Halder Dr Manoj Kumar Katual Dr Amarendranath Choudhury Dr Sunil Kumar Dr Deepika Kapoor Dr Harikumar Pallathadka	Dr P K Praveen Kumar, BIO Dr Nikhat Farhana Dr S Thenmozhi Ms Bhawana Kapoor Dr S Srinivasan Dr Shubhajit Halder Dr Manoj Kumar Katual Dr Amarendranath Choudhury Dr Sunil Kumar Dr Deepika Kapoor Dr Harikumar Pallathadka	Bacillus cereus can cause experimental endophthalmitis, which can be treated with Moxifloxacin with or without dexamethasone	202241040267 13/7/2022 (Filed)	Published 22/7/2022
3.	Mr K.Prabu, Dr.T.Padmavathy, CSE Ms.S. Janani, CSE	Mr K.Prabu, Galgotias Dr.T.Padmavathy, CSE Ms.S. Janani, CSE		202241040139 A 13/7/2022(Filed)	Published 22/7/2022

	Dr.V.Vignaraj Ananth Ms. R Jayabharathi R, Mr. Arunkumar Palanichamy, Ms. A. Abinaya, Mr. Peerzada Hamid Ahmad, Dr.T.Manikandan	Dr.V.Vignaraj Ananth Ms. R Jayabharathi R, Mr. Arunkumar Palanichamy, Ms. A. Abinaya, Mr. Peerzada Hamid Ahmad, Dr.T.Manikandan	IoT-driven AI Inference System for Home Energy Management System in Smart Cities		
4.	Dr C Yaashuwanth, INT Dr K Prathibanandhi, INT Dr P Leela Rani, INT Mr A R Guru Gokul, INT	Dr C Yaashuwanth, INT Dr K Prathibanandhi, INT Dr P Leela Rani, INT Mr A R Guru Gokul, INT	IoT Powerbank	365756-001	Filed 9/6/2022
5.	Dr K Prathibanandhi, INT Dr R Suresh, INT Mr R Sivaprasad Dr C Yaashuwanth, INT	Dr K Prathibanandhi, INT Dr Dr R Suresh, INT Mr R Sivaprasad Dr C Yaashuwanth, INT	IoT Agriculture	369500-001	Filed 20/8/2022
6.	Mr J. Sivaramapandian, AP/MEC Mr D Karthick Thangaraj Mr R Dhanasekaran/MEC	Mr J. Sivaramapandian, AP/MEC Mr D Karthick Thangaraj Mr R Dhanasekaran/MEC	Bund Forming Machine	Application No. 202041057382 31/12/2020(Filed)	Published 1/7/2022
7.	Mr. P R Venkat, II YEAR AI&DS, Department of Computer Science and Engineering, Mr.S.Subburaj	Mr. P R Venkat, II YEAR AI&DS, Department of Computer Science and Engineering, Mr.S.Subburaj	A Low cost and High Actuation Speed 3D Printed Prosthetic Arm	Application No. 202241047867 A 23/8/2022(Filed)	Published 2/9/2022

	Dr. D. Vinodha Dr.E A Mary Anita Ms. T Padmavathy, AP/CSE Dr A K Sujatha a.k Dr. J Jenefa Dr R Barona Ms.S Sajini	Dr. D. Vinodha Dr.E A Mary Anita Ms. T Padmavathy, AP/CSE Dr A K Sujatha a.k Dr. J Jenefa Dr R Barona Ms.S Sajini			
8.	Final Year EEE students Mr A Ramanathan Mr N S Sribalajy, Mr M S J Irfan Abdullah, Mr M A Mohamed Ashiq Ilahi, Dr C Gopinath, ASP/EEE Mr D S Purusthothaman ASP/EEE	Final Year EEE students Mr A Ramanathan Mr N S Sribalajy, Mr M S J Irfan Abdullah, Mr M A Mohamed Ashiq Ilahi, Dr C Gopinath, ASP/EEE Mr D S Purusthothaman ASP/EEE	A System and Method for Ensuring Safe Drive in the Vehicle using Pollution less Ultrasonic Horn	Application No. 202241050738 A 6/9/2022(Filed)	Published 16/9/2022 Jr 37/2022
9.	Dr C Gopinath Dr D Ashokaraju, Dr P Prabhavathy and Mr Karthik Rajagopal, IV year ECE	Dr C Gopinath Dr D Ashokaraju, Dr P Prabhavathy and Mr Karthik Rajagopal, IV year ECE	Methods of Executing Multiple Functions by More than One Camera connected with Electronic Device	Application No. 202241054945 26/9/2022(Filed)	Published 7/10/2022 Jr.40/22
	Ms Rakhi Bakuli Dr Ponnu Kangeswari Dr P K Praveen Kumar/BIO Dr Abdul Rahman H Ali Dr Priti Nilesh Bhagat Prasanna Lohe	Ms Rakhi Bakuli Dr Ponnu Kangeswari Dr P K Praveen Kumar/BIO Dr Abdul Rahman H Ali Dr Priti Nilesh Bhagat Prasanna Lohe	Bio-medical imaging system for cancer screening using artificial intelligence	Application No. 202231059318A 17/10/2022 (Filed)	Published 21/10/2022

10.	Pranit Dinesh Thakare Mr. Jyotirmay Sarkar Mr. Soumitra Sahana Mr.J Logeshwaran Dr. V.Kannan	Pranit Dinesh Thakare Mr. Jyotirmay Sarkar Mr. Soumitra Sahana Mr.J Logeshwaran Dr. V.Kannan			
11.	Ms.V.Rekha Mr.K.Prabu Dr. B. Kanisha, Ms. Ajoy Sweetlin Jeena A/CSE Ms. R. Poorni/ CSE Ms. A. Abinaya, Mr Peerzada Hamid Ahmad, Dr.T.Manikandan	Ms.V.Rekha Mr.K.Prabu Dr. B. Kanisha, Ms. Ajoy Sweetlin Jeena A/CSE Ms. R. Poorni/ CSE Ms. A. Abinaya, Mr Peerzada Hamid Ahmad, Dr.T.Manikandan	Design System of Sensor Fusion with Machine Learning for the Detection of Dangerous Driver Behaviour	Application No.202241050930 6/9/2022 (Filed)	Published 16/9/2022
12.	Sri Venkateswara College of Engineering Dr M Prem Ananth, ASP/MEC Mr J Risikesh, Mr J Sidheswaren, Mr A V Shridharan, Final year UG/MEC	Sri Venkateswara College of Engineering Dr M Prem Ananth, ASP/MEC Mr J Risikesh, Mr J Sidheswaren, Mr A V Shridharan, Final year UG/MEC	Dual Shaft Leaf Shredder	Application No. 202241061116, 27/10/2022(Filed)	Published 4/11/2022
13.	Mrs. Rupakesavan (AP/CSE), Mrs. Poorani S (AP/CSE), Dr. Anitha R (Professor & Head ?CSE), Ms. Nivedita VP (IV Year CSE),	Mrs. Rupakesavan (AP/CSE), Mrs. Poorani S (AP/CSE), Dr. Anitha R (Professor & Head ?CSE), Ms. Nivedita VP (IV Year CSE),	IoT based smart systems using ML and AI vulnerabilities and intelligent solutions	Application No. 202241070181 A, filed on 5/12/2022	Published 9/12/2022

	Mr. Sudarshan B (IV Year CSE), Ms. Neha Bhende (III Year CSE), Ms. Subasri G (III Year AI & DS) and Dr. L Vijayaraja	Mr. Sudarshan B (IV Year CSE), Ms. Neha Bhende (III Year CSE), Ms. Subasri G (III Year AI & DS) and Dr. L Vijayaraja			
14.	Dr. T. Sukumar, INT Mr S Swaminathan, Dr. G Venkat Babu Dr J Manikandan Mr A Mosses	Dr. T. Sukumar, INT Mr S Swaminathan, Dr. G Venkat Babu Dr J Manikandan Mr A Mosses	Multiple Sensor Data Fusion based Intruder Alert System employing IoT Embedded Module	Application No. 202241069344 Filed on 1/12/2022	Published 9/12/2022
15.	Dr P Jothilakshmi, Professor/ECE Mr V Poonchezhian Ms C Gomatheeswari Preethika Mr R Mohana Sundaram	Dr P Jothilakshmi, Professor/ECE Mr V Poonchezhian Ms C Gomatheeswari Preethika Mr R Mohana Sundaram	Agriculture Drone for Monitoring and Spraying Pesticides	Application No. 375646-001 Design Patent	Filed on 15/12/2022 Accepted
16.	Dr R Gopalakrishnan Mr G Arun , AP/CVE Mr R Mathiyazhagan, AP/CVE Mr S Dharmar Dr. S. Sivasankar	Dr R Gopalakrishnan Mr G Arun , AP/CVE Mr R Mathiyazhagan, AP/CVE Mr S Dharmar Dr. S. Sivasankar	Optimized Geo-Polymer concrete with slag and fly-ash blends under ambient temperature	Application No.202241046883 Filed on 18/8/2022	Published 26/8/2022
17.	Dr Piyush Raja Dr K Premalatha Mrs D Sharmitha Dr T Senthilnathan, AP/APH Mr I Rma Staya Nageswara Rao Dr S Boobalan Vasupalli manoj Mr Thoram Saran Kumar Dr Jyoti Prasad patra	Dr Piyush Raja Dr K Premalatha Mrs D Sharmitha Dr T Senthilnathan, AP/APH Mr I Rma Staya Nageswara Rao Dr S Boobalan Vasupalli manoj Mr Thoram Saran Kumar	An Improvised Design and Development of Solar Charging Station for EV	Application No. 202311001494, filed on 7/1/2023	Published 13/1/2023

	Mr Ketan Kishore Tonpe Mr Ram R Wayzode Mr Kalyani K Sengar	Dr Jyoti Prasad patra Mr Ketan Kishore Tonpe Mr Ram R Wayzode Mr Kalyani K Sengar			
18.	Sri Venkateswara College of Engineering	Ms. S. Rajalakshmi,ASP/CSE Ms. J. Buvana, AP/CSE Ms. R. Gayathri,AP/CSE Ms. S. Kalavathi, AP/INT Dr. N. Revathi, ASP/CSE	A modern Digital framework for cities based on Block chain and Fog Computing technologies	Application No.202241072740A Filed on 16/12/2022	Published 30/12/2022
19.	Ms V Rajalakshmi, Associate Professor/CSE Ms G R Khanagavalle, Assistant Professor/CSE, Dr A Kala, Associate Professor/INT, Dr P Sharon Femi Associate Professor/INT, Dr R Jayabhaduri Professor/CSE, Mr B Divamsh, III Year AD Mr R Iyyappan, III Year AD, and Mr S Nanda Kumar, III Year AD	Ms V Rajalakshmi, Associate Professor/CSE Ms G R Khanagavalle, Assistant Professor/CSE, Dr A Kala, Associate Professor/INT, Dr P Sharon Femi Associate Professor/INT, Dr R Jayabhaduri Professor/CSE, Mr B Divamsh, III Year AD Mr R Iyyappan, III Year AD, and Mr S Nanda Kumar, III Year AD	IOT Based WiFi Enabled Smart Gardening System	Application No. 202341006434 A Filed on 1/2/3023	Published 10/2/2023
20.	Dr. R. Gayathri, Prof./ECE Mrs. S. M. Mehzabeen, AP/ECE Dr. M. Kavitha (RS) and Dr. P R. Buvaneswari(RS)	Dr. R. Gayathri, Prof./ECE Mrs. S. M. Mehzabeen, AP/ECE Dr. M. Kavitha (RS) Dr. P R. Buvaneswari(RS)	Computer-Aided Diagnosis system for Cancer histology images analysis using clustering and Deep Learning	Application No. 202341008954 A Filed on 11/2/2023	Published 17/2/2023
21.	Mr M Mohideen Abdul Kader Ms R. Saranya Ms D Praveena Anjelin SHOBHANJALY P NAIR , AP/CSE and Dr. Rajdeep Singh solanki	Mr M Mohideen Abdul Kader Ms R. Saranya Ms D Praveena Anjelin SHOBHANJALY P NAIR , AP/CSE and Dr. Rajdeep Singh solanki	Artificial Intelligence implementation in data management system with digital currency in	202341003852 Filed on 19/01/2023	Published 17/2/2023

			commercial banks using Block chain Technology		
22.	Dr P Sharon Femi, ASP/INT, Dr A Kala, ASP/INT, Ms V Rajalakshmi, ASP/CSE, Ms G R Khanaghavalle, AP/CSE, Ms R Saktheeswari, AP/INT, and students II year Ms M Harini Padma, and Ms.L.Krithika, II Year/INT	Dr P Sharon Femi, ASP/INT, Dr A Kala, ASP/INT, Ms V Rajalakshmi, ASP/CSE, Ms G R Khanaghavalle, AP/CSE, Ms R Saktheeswari, AP/INT, and students II year Ms M Harini Padma, and Ms.L.Krithika, II Year/INT	Smart electricity generation using piezoelectric effect	Application No.202341010070 A Filed on 15/2/2023	Published 24/3/2023 Jr 12/2023
23.	Dr.T. Rajasekaran ASP/CSE Mr. M. Suresh Kumar ASP/CSE, Mrs. S.U. Muthunagai ASP/CSE, Dr. M.S. Girija AP/CSE, Mrs R Iyswarya AP/CSE, Mr P Selvamani AP/CSE, Mr Sowmya Narayanan AP/CSE	Dr.T. Rajasekaran ASP/CSE Mr. M. Suresh Kumar ASP/CSE, Mrs. S.U. Muthunagai ASP/CSE, Dr. M.S. Girija AP/CSE, Mrs R Iyswarya AP/CSE, Mr P Selvamani AP/CSE, Mr Sowmya Narayanan AP/CSE	IoT Module for Smart Agriculture Monitoring and Early Flood Detection and Avoidance	Application is No. 202341010318 A Filed on 16/2/2023	Published 24/3/2023

24.	Dr.R.Ramesh, Ms.G.Deepa, Mr.T.Selva Kumar, Mr.N.Selvaganesh ,AP/INT Dr.S.M.Prabin, Ms.N.Indumathi,. Ms.L.Dharshana Deepthi, Dr.S.Chakaravarthi,	Dr.R.Ramesh, Ms.G.Deepa, Mr.T.Selva Kumar, Mr.N.Selvaganesh ,AP/INT Dr.S.M.Prabin, Ms.N.Indumathi,. Ms.L.Dharshana Deepthi, Dr.S.Chakaravarthi,	Develop a Trusted Block chain Auction Platform with Preferred Pricing Recommendations using Machine learning	Application No. 202341008631 Filed on 10/2/2023	Published 17/2/2023
25.	R Prashanna Rangan, MEC Dr S Ramesh Babu , Professor and Head/MEC S Pooja	R Prashanna Rangan, MEC Dr S Ramesh Babu, Professor and Head/MEC S Pooja	Multifunctional Smart wearable wrist assist	Application No.202341013681 A Filed on 1/3/2023	Published 24/3/2023
26	Dr. N. M. Balamurugan Prof. /CSE, Dr. J M Ganasekar Prof./CSE, Dr. P Janarthanan Prof/CSE and Mr. R Gnanavel Asst. prof./CSE	Dr. N. M. Balamurugan Prof. /CSE, Dr. J M Ganasekar Prof./CSE, Dr. P Janarthanan Prof/CSE and Mr. R Gnanavel Asst. prof./CSE	An IoT and deep learning-based system for forecasting electricity consumption by user in a particular time period	Application No. 202341026967 A Filed on 12/04/2023	Published 5/5/2023 Jr.18/2023
27	Dr R Umadevi, AP/APM Dr K Vijayalakshmi, AP/APM Ms R Sumathy (FT-SVCE-RF) Mr S Prabhakar(PT-E) Ms M Goamthi (FT)	Dr R Umadevi, AP/APM Dr K Vijayalakshmi, AP/APM Ms R Sumathy (FT-SVCE-RF) Mr S Prabhakar(PT-E) Ms M Goamthi (FT)	Comparative study of reversible (esterification process) and irreversible flows on three dimensional upper convective Maxwell fluid model for rate of heat transfer due to activation Energy	202341035158 A 19/5/2023 (Filed)	Published 16/6/2022

Patents granted by IPR in the year 2022-2023 (9)

S.No	Name of the Applicants	Name of the Inventors	Title	Application Number and date on which Patent granted	Status
1.	Dr C R Rene Robin Dr D Doreen Hephzibah Miriam Ms M S Jayalakshmi Dr P Geetha, AP/CSE Dr Dipesh M Patel Dr Mukesh Kumar Mr Vimal Kumar Singh Dr Ghayathri Prof.Ramesh Chandra Panda Dr P Karthigeyan	Dr C R Rene Robin Dr D Doreen Hephzibah Miriam Ms M S Jayalakshmi Dr P Geetha, AP/CSE Dr Dipesh M Patel Dr Mukesh Kumar Mr Vimal Kumar Singh Dr Ghayathri Prof.Ramesh Chandra Panda Dr P Karthigeyan	Hydroponic Plant Stand (Design Patent)	Application No. 348806-001 Filed on 3/9/2021	348806-001 19/8/2022
2.	Dr A Prasanth, AP/ECE Ms B Lavina Dr D Gunapriya Dr G Prabhakar Dj J Deepa Ms R Mekala Ms S Hemalatha Mr S Arjun	Dr A Prasanth, AP/ECE Ms B Lavina Dr D Gunapriya Dr G Prabhakar Dj J Deepa Ms R Mekala Ms S Hemalatha Mr S Arjun	A Secured IoT Communication System with Blockchain Technology	Application No. 202022104486 Filed on 19/09/2022 Granted on 19/9/2022 German	202022104486 6 19/9/2022
3.	Dr C Gopinath, ASP/EEE Dr C Yaashuwanth, ASP/INT Dr P Prabhavathy Dr D Ashok Raja Dr S Kavaskar	Dr C Gopinath, ASP/EEE Dr C Yaashuwanth, ASP/INT Dr P Prabhavathy Dr D Ashok Raja Dr S Kavaskar	Detachable Solar Heater (Design Patent)	Application No.	331189-001 11/11/2022

	Dr T Annamalai, AP/EEE Dr K Prahibanandhi	Dr T Annamalai, AP/EEE Dr K Prahibanandhi			
4.	Dr P Jothilakshmi, Professor, Mr V Poonchezian, Ms C Gomatheeswari Preethika, Assistant Professor, Mr R Mohana Sundarm, Full time Research scholar	Dr P Jothilakshmi, Professor, Mr V Poonchezian, Ms C Gomatheeswari Preethika, Assistant Professor, Mr R Mohana Sundarm, Full time Research scholar	Antenna Signal Monitoring System	Application No. 375996- 001, filed on 23/12/2022	Granted 375996-001 13/2/2023
5.	Dr A Bhaskaran Professor and Head Dr Harish Kumar Banga Dr Muthuraman Subbiah Dr. Yashodhan Prakash Mahajan Dr. Trupti Dandekar Humnekar Dr V.Kannan	Dr. A. Bhaskaran Professor and Head Dr Harish Kumar Banga Dr Muthuraman Subbiah Dr. Yashodhan Prakash Mahajan Dr. Trupti Dandekar Humnekar Dr V.Kannan	Sun tracking solar panel	Application No. 374406-001 Filed on 19/11/2022	Granted 374406-001 19/1/2023
6.	SVCE Mr M Raj Vikram Mr S Ram Kumar Mr S Leoponraj	SVCE Mr M Raj Vikram Mr S Ram Kumar Mr S Leoponraj	A Combinational Cooling Method to reduce the temperature of the Solar PV panel	Application No. 201941002414 Filed on 21/1/2019	Granted 423949 3/3/2023
7.	Dr R Gayathri, Ms S.M.Mehzabeen Ms C.Sherin Shibi Ms P R Bhuvanewari	Dr R Gayathri, Ms S.M.Mehzabeen Ms C.Sherin Shibi Ms P R Bhuvanewari	Biometric Authentication Device	Application No. 364710 -001 Filed on 25/5/2023	Granted 364710 -001 6/3/2023
8.	Dr.C.Yashuwanth, Professor/INT Dr.P.. Leela Rani,ASP/INT and	Dr.C.Yashuwanth, Professor/INT Dr.P.. Leela Rani,ASP/INT and	Supercapacitor power device	Application No. 365756- 001, filed on 19/6/2022	Granted 365756-001 18/4/2023

	Mr A.R.Guru Gokul,AP/INT	Mr A.R.Guru Gokul,AP/INT			
9.	Dr .Gurpreet Singh Matharou 2. Mahesh Hiralal Patil 3.Ms. Nivedita Kar 4. Dr.T.Senthilnathan, AP/APH 5.Colonel Prof. Dr. N N. Murthy 6.Dr.Vandana Vishwanathrao Kale 7.Mr.Samala Nagaraju 8.Dr.V.Kannan	1.Dr .Gurpreet Singh Matharou 2. Mahesh Hiralal Patil 3.Ms. Nivedita Kar 4. Dr.T.Senthilnathan, AP/APH 5.Colonel Prof. Dr. N N. Murthy 6.Dr.Vandana Vishwanathrao Kale 7.Mr.Samala Nagaraju 8.Dr.V.Kannan	Wind and Solar power charging	Application No. 381771-001 Filed on 19/03/2023	Granted 381771-001 23/5/2023

Patents granted by Republic of South Africa in the year 2022-2023 (1)

S.No.	Name of the Applicants	Name of the Inventors	Title	Application Number and date on which Patent granted	Status
10.	Dr A Prasanth/ECE Dr T Muthumanickam Dr A Ahilan Dr T Kuntavai Dr G Jenifa Ms D Deepika Dr P Vijayalakshmi Ms S Deepthi Suresh Sindhukumari	Dr A Prasanth/ECE Dr T Muthumanickam Dr A Ahilan Dr T Kuntavai Dr G Jenifa Ms D Deepika Dr P Vijayalakshmi Ms S Deepthi Suresh Sindhukumari	A hybrid deep neural network-based intrusion detection system	Application No. 2022/10003 Filed on 8/9/2022 Granted on 26/10/2022 (Republic of South Africa)	10003