**SRI VENKATESWARA COLLEGE OF ENGINEERING**

**Patents Published in the year 2017-2018 (3)**

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| **S.No.** | **Name of the Applicants** | **Name of the Inventors** | **Title** | **Application Number and Patent filed date** | **Current status** |
| **1.** | Sri Venkateswara College of Engineering  Electronics and Communication Engineering | Dr S Ganesh Vaidyanathan and  Mr S Ashwin | An Intelligent Emergency Vehicle Identification, Traffic Light Management and Analysis system | 201841010521  On 22.3.2018 | **Published**  **23/3/2018** |
| **2.** | Sri Venkateswara College of Engineering  Chemical Engineering | Dr C Anand Babu,  Ms S Swathi,  Mr L S Bhadri Narayanan and  Dr N Meyyappan | Laboratory Scale invertible and Constant flow Resin | 201841015962  On 27.4.2018  Pub: 1.11.2019 | **Published**  **1/11/2019** |
| **3.** | Sri Venkateswara College of Engineering | Dr C Anand Babu,  Mr R Sandeep Kumar and Dr S Muthukumar | Instant Electronic call informer Device | 201841016897  On 4.5.2018  Pub: 8.11.2019 | **Published**  **8/11/2019** |

**Patents submitted to IPR in the year 2018-2019 : 5**

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| **S.No.** | **Name of the Applicants** | **Name of the Inventors** | **Title** | **Application Number and Patent filed date** | **Current status** |
| **4.** | Dr R Anitha  Computer Science and Engineering | Dr R Anitha  Mr.C.Muralidharan,  Ms. P.Vinothiyalakshmi Ms. T Padmavathy. | Search & Place Filter(SPF) - A Probabilistic Data Structure for Virtualization | 201841038564  on 2.11.2018 | **Published**  **2/11/2018** |
| **5.** | Dr C Jayakumar  Computer Science and Engineering | Dr C Jayakumar  and Dr T P Rani | Trust aware replica detection using localization and unique identity in Wireless Sensor Networks | 201841002060  16.11.2018 | **Published**  **16/11/2018** |
| **6.** | Dr P Jothilakshmi  Ms B Hemalatha  Electronics and Communication Engineering | Dr P Jothilakshmi  Ms B Hemalatha | Frequency Reconfigurable Microstrip Antenna for Satellite Applications | 201841019573  On 25.5.2018 | **Published**  **8/3/2019** |
| **7.** | Sri Venkateswara College of Engineering  Electrical and Electronics Engineering | Mr M Rajvikram  Leoponraj.S and Ram Kumar. S | Heat absorption and Dissipation Methodology for abasement of febricity in solar photovoltaic panel | 201941002414  21.1.2019 | **Published**  **21/1/2019** |
| **8.** | Dr C Gopinath  Electrical and Electronics Engineering | Dr C Gopinath,  Mr T Annamalai,  Dr C Yaashuwanth  Ms Anitha | Design and Development of Precision Agro-Kiosk(PAK) unmanned Aerial Vehicle(UAV) | 24.5.2019 | **Published**  **24/5/2019** |

**Patents submitted to IPR in the year 2019-2020 (4)**

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| **S.No.** | **Name of the Applicants** | **Name of the Inventors** | **Title** | **Application Number and Patent filed date** | **Current status** |
| **9.** | Dr N M Balamurugan  Computer Science and Engineering | Dr N M Balamurugan | An Apparatus and Method of Artificial Intelligence Security Wearable System with Internet of Things | 201941031483A  30.8.2019  Page Number: 39627 | **Published** |
| **10.** | **Dr G A Sathish Kumar**  Electronics and Communication Engineering | Dr G A Sathish Kumar  Ms C T Poomagal | A Hardware Implementation  of Secret Key Generation using multiple chaotic maps with secure hash algorithms  for 5G and beyond Applications | 6.9.2019  Page No.40640  Patent Journal No.36/2019 | **Published** |
| **11.** | Sri Venkateswara College of Engineering  Electronics and Communication Engineering | Dr S Ganesh Vaidyanathan and  Mr S Ashwin | An Intelligent Emergency Vehicle Identification, Traffic Light Management and Analysis system | 201841010521  On 22.3.2018 | **Published** |
| **12.** | Sri Venkateswara College of Engineering | Dr C Anand Babu,  Mr R Sandeep Kumar and Dr SMuthukumar | Instant Electronic call informer Device | 201841016897  On 4.5.2018  Pub: 8.11.2019 | **Published** |

**Patents submitted to IPR in the year 2020-2021 (12)**

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| **S.No.** | **Name of the Applicants** | **Name of the Inventors** | **Title** | **Application Number and date on which Patent filed** | **Status** |
| **13.** | **Dr M Gajendiran**  Mechanical Engineering | Dr. M Gajendiran | IOT based intelligent pesticide man machine system for agricultural purposes | 202041022818  12.06.2020 | **Published**  **Jr.24/2020** |
| **14.** | **Dr R Ramesh**  Mechanical Engineering | Dr R Ramesh  Dr C Senthamaraikannan | Design and Development of Higher order device with adjustable deflection corrective Mechanism | 201841015943  27.04.2018 | **Published**  **Jr.50/2019**  **13.12.2019** |
| **15.** | **Mr S Arumugam**  Mechanical Engineering | Dr K Gurusami  Mr S Arumugam  Mr P Subbarayudu  Mr D Jayakumar  Dr N Nandanasabai | Method and System to increase tool by life by Six Sigma | 202041045624  30.10.2020 | **Published**  **Jr.44/2020**  **30.10.2020** |
| **16.** | **Dr S Arumugam**  Mechanical Engineering | Dr K Gurusami  Dr S Arumugam  Dr N Nandanasaba  Mr D Jayakumar  Mr P Subbarayudu | Lead Time Reduction Through Lean Techniques | 202041055982 23.12.2020 | **Published**  **23.12.2020** |
| **17.** | Dr Kalyana kiran Kumar,  Dr Pramod Kumar Gouda,  Dr R S R Krishnam Naidu,  Mr Prasad Chongala ,  **Dr C Gopinath**  Mr G Senthil Murugan | Dr Kalyana kiran Kumar,  Dr Pramod Kumar Gouda,  Dr R S R Krishnam Naidu,  Mr Prasad Chongala ,  **Dr C Gopinath**  Mr G Senthil Murugan | Solar based Smart water purification System in the ground water | 202041032258  28.7.2020 | **Published**  **7.8.2020** |
| **18.** | Mr G Senthil Murugan  **Dr C Gopinath** | Mr G Senthil Murugan  **Dr C Gopinath** | System for Monitoring and alert user about pandemic in real time and method thereof | 202041048989 dated 10.11.2020 | **Published**  **20.11.2020** |
| **19.** | Dr K Gurusami,  Dr M Suresh,  Dr P Suseela,  Dr G Manimaran  **Dr S Arumugam** | Dr K Gurusami,  Dr M Suresh,  Dr P Suseela,  Dr G Manimaran  **Dr S Arumugam** | System and method to improve Manufacturing using CMS | 202141003788 28.01.2021 | **Published**  **5.2.2021** |
| **20.** | Sri Venkateswara College of Engineering  Biotechnology | **Dr. S. Prabhu,**  Ms. A. Punithavathi  Ms V. Sandhya  Mr. A.C. Atul | Entrapment of Mangiferin Polyphenol in PLGA nanoparticles for Treatment of Lung Cancer | 201941036882  13.9.2019 | **Published**  **19.3.2021** |
| **21.** | Mr Deepak Raju,  Mr Abhishek Mohan,  Dr P Janarathanan,  Dr A Kavitha  Mr K Pavithran | Mr Deepak Raju,  Mr Abhishek Mohan,  Dr P Janarathanan,  Dr A Kavitha  Mr K Pavithran | Deep Learning Approach to Attack Handling of IoT Enabled Network Services | 202041037478  11.9.2020 | **Published**  **11.9.2020** |
| **22.** | Dr S Jegan  **Mr A Thiagarajan**  Ms M Revathi  C P Jetlin  Dr K Deepak Thilak  Dr K Kalaiselvi  Dr K Gurunathan  Dr M Umaselvi  Dr N Kalyana Sundaram  Mr N Nagarajan | Dr S Jegan  **Mr A Thiagarajan**  Ms M Revathi  C P Jetlin  Dr K Deepak Thilak  Dr K Kalaiselvi  Dr K Gurunathan  Dr M Umaselvi  Dr N Kalyana Sundaram  Mr N Nagarajan | IOT based elderly people activity monitoring and Detecting unusual activity in Home. | 202141021548  Filed date  12.5.2021 | **Published**  **11.06.2021** |
| **23.** | Mr S Gokulakrishnan, **Mr A R Guru Gokul,**  **Ms N Devi,**  **Ms P Leela Rani,**  Dr S Sathya,  Dr C Sunitha Ram,  Dr N Kumaran,  Mr J Shyam Mohan and Ms E Padma |  | “A Method for Efficient and Faster Machine Learning Techniques | 202141017893  17.4.2021(Filed) | **Published**  **11.6.2021** |
| **24.** | S.Om Prakash, C.R Rathish, K.Karpagavadivu, N.A.Natraj, **P Ashok,** and  V Jayaraj | S.Om Prakash, C.R Rathish, K.Karpagavadivu, N.A.Natraj, **P Ashok,** and  V Jayaraj | Real Time Monitoring and Tracking of Motor Vehicles Using IOT | 202011050686A  21.11.2020 | **Published**  **21.11.2020** |

**Patents submitted to IPR in the year 2021-2022 (15)**

|  |  |  |  |  |  |
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| **S.No.** | **Name of the Applicants** | **Name of the Inventors** | **Title** | **Application Number and date on which Patent filed** | **Status** |
| **25.** | Mr S Gokulakrishnan,  **Mr A R Guru Gokul, INT**  **Ms N Devi, INT**  **Ms P Leela Rani**, INT  Dr S Sathya,  Dr C Sunitha Ram,  Dr N Kumaran,  Mr J Shyam Mohan  Ms E Padma | Mr S Gokulakrishnan,  **Mr A R Guru Gokul,**  **Ms N Devi,**  **Ms P Leela Rani**,  Dr S Sathya,  Dr C Sunitha Ram,  Dr N Kumaran,  Mr J Shyam Mohan  Ms E Padma | A Method for Efficient and Faster Machine Learning Technique | 202141017893  17/04/2021 | **Published**  **11/06/2021** |
| **26.** | Dr S Jegan,  **Mr A Thiagarajan, INT**  Ms M Revathi,  C P Jetlin,  Dr K Deepak Thilak,  Dr K Kalaiselvi,  Dr K Gurunathan,  Dr M Umaselvi,  Dr N Kalyana Sundaram, Mr N Nagarajan | Dr S Jegan,  **Mr A Thiagarajan**  Ms M Revathi,  C P Jetlin,  Dr K Deepak Thilak,  Dr K Kalaiselvi,  Dr K Gurunathan,  Dr M Umaselvi,  Dr N Kalyana Sundaram, Mr N Nagarajan | IOT based elderly people activity monitoring and Detecting unusual activity in Home | 202141021548  12/5/2021 | **Published**  **11/06/2021** |
| **27.** | MPs A Sonya  Ms S Hariprasath  Dr S Kother Mohideen  Mr Mohamad M Othman  **Dr B Praksah, INT**  Dr G Babu | Ms A Sonya  Ms S Hariprasath  Dr S Kother Mohideen  Mr Mohamad M Othman  **Dr B Praksah**  Dr G Babu | Securing Patients Health Information using Attribute Based Encryption | 202141029278  29/06/2021 | **Published**  **16/07/2021** |
| **28.** | Mr Rajib Guhathakurtha  Dr Matam Mohan Babu  Dr G Muralikrishnan  **Dr Nalin kant Mohanty,EEE**  Mr S Senthilkumar  Dr Swarnendu Kumar Chakraborty  Ms Pragya Singh Tomar  Ms R Uma Maheswari  Dr Brahma Datta Shukla  Dr Sunanda Das | Mr Rajib Guhathakurtha  Dr Matam Mohan Babu  Dr G Muralikrishnan  **Dr Nalin kant Mohanty**  Mr S Senthilkumar  Dr Swarnendu Kumar Chakraborty  Ms Pragya Singh Tomar  Ms R Uma Maheswari  Dr Brahma Datta Shukla  Dr Sunanda Das | An Image processing and Deep learning Based System for Advertisement Communication | 202141042379  Filed on  19/9/2021 | **Published**  **1/10/2021** |
| **29.** | Ingeniouz  **Mr A Kumaraswamy, MEC**  Mr Bhaskar Kapoor  Dr Sumanth  Dr Nalini Kanta Sahoo  Dr Chinmaya Keshari Sahoo  Dr Banavanth Heeralal  Dr Sujatha Mallapur  Dr Jagadeesh Kumar Ega  Dr Durgacharan Arun Bhagwat  Dr Raghul Shivaji  Prathibha Rahul Adnalk  Mr V Gopu | Ingeniouz  **Mr A Kumaraswamy, MEC**  Mr Bhaskar Kapoor  Dr Sumanth  Dr Nalini Kanta Sahoo  Dr Chinmaya Keshari Sahoo  Dr Banavanth Heeralal  Dr Sujatha Mallapur  Dr Jagadeesh Kumar Ega  Dr Durgacharan Arun Bhagwat  Dr Raghul Shivaji  Prathibha Rahul Adnalk  Mr V Gopu | AI based Smart Touch less medicine dispensing System for Pharma Field | 202141038793  Filed on 26/8/2021 | **Published**  **24/09/2021** |
| **30.** | Dr M Shyamalagowri  Dr A N Shankar  Dr B Anuradha  Dr R Thamil Magal  Dr S Saira Banu  **Dr N R Sheela, APH**  Dr Parrakal Satishchandra Menon  Dr S Sheeja  Dr Mohan Rangam Kadiresan  Dr A Sanjaygandhi  Dr K Karthick  Mr B Prakash  Dr S Gnanasekaran  Dr C Samson Jerold Samuel  Mr S Sivanathan  Mr E Immanuvel Bright | Dr M Shyamalagowri  Dr A N Shankar  Dr B Anuradha  Dr R Thamil Magal  Dr S Saira Banu  Dr N R Sheela  Dr Parrakal Satishchandra Menon  Dr S Sheeja  Dr Mohan Rangam Kadiresan  Dr A Sanjaygandhi  Dr K Karthick  Mr B Prakash  Dr S Gnanasekaran  Dr C Samson Jerold Samuel  Mr S Sivanathan  Mr E Immanuvel Bright | Development of IoT based smart irrigation System | 2021410470014  Filed on  18/10/2021 | **Published**  **29/10/2021** |
| **31.** | Dr B Uma Mahaeswari  Ms U Jhanani Shree  Mr Ramprasad Maharana  Ms R Bharathy  Ms M Anitha Mary  Dr B Meenakshi  Dr S K Nandha Kumar  **Dr S Vijayanand, ECE**  Dr B Deepa  Dr Murugananth Gopal Raj | Dr B Uma Mahaeswari  Ms U Jhanani Shree  Mr Ramprasad Maharana  Ms R Bharathy  Ms M Anitha Mary  Dr B Meenakshi  Dr S K Nandha Kumar  **Dr S Vijayanand, ECE**  Dr B Deepa  Dr Murugananth Gopal Raj | Design of Pulse Oxygen Meter using IOT | 202141060100  Filed on  22/12/2021 | **Published**  **28/01/2022** |
| **32.** | Dr. Rabinarayan satpathy  **Dr. A. Sankaran, MAR**  Dr. Anurad Aeron  Ms. Sujatha panda  Mrs. Dharshana A Naik  Mrs. Reddy Anuradha  Dr. K.G.S. Venkatesan  Dr. Sushma Jaiswal  Mr. Tarun Jaiswal  Mr. Hanumaji Kantari | Dr. Rabinarayan satpathy  **Dr. A. Sankaran, MAR**  Dr. Anurad Aeron  Ms. Sujatha panda  Mrs. Dharshana A Naik  Mrs. Reddy Anuradha  Dr. K.G.S. Venkatesan  Dr. Sushma Jaiswal  Mr. Tarun Jaiswal  Mr. Hanumaji Kantari | Multifunction heat Transmission simulator with AI and Machine learning | 202131039493  31/08/2021 | **Published**  **17/09/2021** |
| **33.** | **Sri Venkateswara Engineering College(SVCE),**  School of Engineering, University of petroleum and Energy Studies,  Coimbatore Institute of Technology,  **Karthick Kumar R, MAR**  Deepak Kumar  Dr. M. Velliangiri  Darisa Guru Sai  Joal Rathinam Saleth  R. kiruba sagar  Sneha. G | **Sri Venkateswara Engineering College(SVCE),**  School of Engineering, University of petroleum and Energy Studies,  Coimbatore Institute of Technology,  **Karthick Kumar R, MAR**  Deepak Kumar  Dr. M. Velliangiri  Darisa Guru Sai  Joal Rathinam Saleth  R. kiruba sagar  Sneha. G | Modelling and Simulation of Self- Balancing Solar Energy storage System | 202141043022  22/09/2021 | **Published**  **01/10/2021** |
| **34.** | **Sri Venkateswara College of Engineering** | **Dr C Gopinath,** Associate Professor, with final year students Mr S Sanjay, Mr V Varun Vishal and mr J Vishal Khummar | A System and Method for efficient Lightning in Highways | 202241007018 dated 10/2/2022 | **Published 25/2/20022** |
| **35.** | **Sri Venkateswara College of Engineering** | **Dr C Gopinath,** Associate Professor | Electronic Device with multiple batteries Assigned for multiple specific functions | 202241007374 dated 11/2/2022 | **Published 25/2/20022** |
| **36.** | Dr Dheeraj Kumar  Dr Savita Goyal Aggarwal  Mahesh Singh Khirwar  Dr Shyam Govind Singh  Dr Anandveer Singh Sindhu  Mr G S Amal  Dr Ishan Y Pandya  **Dr M Gajendran, MEC** | Dr Dheeraj Kumar  Dr Savita Goyal Aggarwal  Mahesh Singh Khirwar  Dr Shyam Govind Singh  Dr Anandveer Singh Sindhu  Mr G S Amal  Dr Ishan Y Pandya  **Dr M Gajendran, MEC** | Experimenting Filtration Technique for Carbon Particle Collector& Method thereof | 202211014903  17/3/2022(Filed) | **Published 1/4/20022** |
| **37.** | **Sri Venkateswara College of Engineering** | **Dr N R Sheela, APH**  **Mr R Joshua Praveen, Mr B Bhavesh** and **Mr A Ajith, III year MEC** | A Mechanism to Conserve water and prevent infectious Pathogens | 202241024913 A 28/4/2022 (Filed) | **Published**  **13/5/2022** |
| **38.** | R. Govindarajan, Dr. S. Meilkandsivam, Dr.D.Vijayakumar,  **Dr.C.Gopinath** | R. Govindarajan, Dr. S. Meilkandsivam, Dr.D.Vijayakumar,  **Dr.C.Gopinath, EEE** | A System and Method for Energy Monitoring System Based on Cloud Computing | 202241033217  10/06/2022 (Filed) | **Published**  **17/06/2022** |
| **39.** | Ms. K Sofiya Dayana  Ms P Jeyaseeli  Dr B Doraswamy  **Dr A Bhaskaran, Applied Physics**  Dr Mohd Atif Wahid  Ms Pooja Kumari  Dr T Krishnaiah  Dr J Senthil Murugan  Mr Ch Kodandaramu  Dr P Pasupuleti Subrahmanya Ranjit  Dr B Prathish Raaja  Dr V Kannan | Ms. K Sofiya Dayana  Ms P Jeyaseeli  Dr B Doraswamy  **Dr A Bhaskaran, Applied Physics**  Dr Mohd Atif Wahid  Ms Pooja Kumari  Dr T Krishnaiah  Dr J Senthil Murugan  Mr Ch Kodandaramu  Dr P Pasupuleti Subrahmanya Ranjit  Dr B Prathish Raaja  Dr V Kannan | Appliances for Solar Energy Generation and Saving using Tent energy storing | 202241027850  14/5/2022 (Filed) | **Published**  **3/6/2022** |