**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 EngineeringElectronics and Communication Engineering | Dr S Ganesh Vaidyanathan and Mr S Ashwin | An Intelligent Emergency Vehicle Identification, Traffic Light Management and Analysis system | 201841010521On 22.3.2018 | **Published****23/3/2018** |
| **2.** | Sri Venkateswara College of EngineeringChemical Engineering | Dr C Anand Babu,Ms S Swathi,Mr L S Bhadri Narayanan andDr N Meyyappan | Laboratory Scale invertible and Constant flow Resin | 201841015962On 27.4.2018Pub: 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 | 201841016897On 4.5.2018Pub: 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 AnithaComputer Science and Engineering | Dr R AnithaMr.C.Muralidharan, Ms. P.VinothiyalakshmiMs. T Padmavathy. | Search & Place Filter(SPF) - A Probabilistic Data Structure for Virtualization | 201841038564on 2.11.2018 | **Published****2/11/2018** |
| **5.** | Dr C JayakumarComputer Science and Engineering | Dr C Jayakumarand Dr T P Rani | Trust aware replica detection using localization and unique identity in Wireless Sensor Networks | 20184100206016.11.2018 | **Published****16/11/2018** |
| **6.** | Dr P JothilakshmiMs B HemalathaElectronics and Communication Engineering | Dr P JothilakshmiMs B Hemalatha | Frequency Reconfigurable Microstrip Antenna for Satellite Applications | 201841019573On 25.5.2018 | **Published****8/3/2019** |
| **7.** | Sri Venkateswara College of EngineeringElectrical and Electronics Engineering | Mr M RajvikramLeoponraj.S and Ram Kumar. S | Heat absorption and Dissipation Methodology for abasement of febricity in solar photovoltaic panel | 20194100241421.1.2019 | **Published****21/1/2019** |
| **8.** | Dr C GopinathElectrical 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 BalamuruganComputer Science and Engineering | Dr N M Balamurugan | An Apparatus and Method of Artificial Intelligence Security Wearable System with Internet of Things | 201941031483A30.8.2019Page Number: 39627 | **Published** |
| **10.** | **Dr G A Sathish Kumar**Electronics and Communication Engineering | Dr G A Sathish KumarMs C T Poomagal | A Hardware Implementation of Secret Key Generation using multiple chaotic maps with secure hash algorithmsfor 5G and beyond Applications | 6.9.2019Page No.40640Patent Journal No.36/2019 | **Published** |
| **11.** | Sri Venkateswara College of EngineeringElectronics and Communication Engineering | Dr S Ganesh Vaidyanathan and Mr S Ashwin | An Intelligent Emergency Vehicle Identification, Traffic Light Management and Analysis system | 201841010521On 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 | 201841016897On 4.5.2018Pub: 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  | 20204102281812.06.2020 | **Published****Jr.24/2020** |
| **14.** | **Dr R Ramesh**Mechanical Engineering | Dr R RameshDr C Senthamaraikannan | Design and Development of Higher order device with adjustable deflection corrective Mechanism | 20184101594327.04.2018 | **Published****Jr.50/2019****13.12.2019** |
| **15.** | **Mr S Arumugam**Mechanical Engineering | Dr K GurusamiMr S ArumugamMr P SubbarayuduMr D JayakumarDr N Nandanasabai | Method and System to increase tool by life by Six Sigma | 20204104562430.10.2020 | **Published****Jr.44/2020****30.10.2020** |
| **16.** | **Dr S Arumugam**Mechanical Engineering | Dr K GurusamiDr S ArumugamDr N NandanasabaMr D JayakumarMr 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 | 20204103225828.7.2020 | **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 EngineeringBiotechnology | **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 | 20194103688213.9.2019 | **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 | 20204103747811.9.2020 | **Published** **11.9.2020** |
| **22.** | Dr S Jegan**Mr A Thiagarajan**Ms M RevathiC P JetlinDr K Deepak ThilakDr K KalaiselviDr K GurunathanDr M UmaselviDr N Kalyana SundaramMr N Nagarajan | Dr S Jegan**Mr A Thiagarajan**Ms M RevathiC P JetlinDr K Deepak ThilakDr K KalaiselviDr K GurunathanDr M UmaselviDr N Kalyana SundaramMr N Nagarajan | IOT based elderly people activity monitoring and Detecting unusual activity in Home. | 202141021548Filed date12.5.2021 | **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 | 20214101789317.4.2021(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 | 202011050686A21.11.2020 | **Published****21.11.2020** |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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**, INTDr 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 | 20214101789317/04/2021 | **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 | 20214102154812/5/2021 | **Published****11/06/2021** |
|  **27.** | MPs A Sonya Ms S HariprasathDr S Kother MohideenMr Mohamad M Othman**Dr B Praksah, INT**Dr G Babu | Ms A Sonya Ms S HariprasathDr S Kother MohideenMr Mohamad M Othman**Dr B Praksah**Dr G Babu | Securing Patients Health Information using Attribute Based Encryption | 20214102927829/06/2021 | **Published****16/07/2021** |
|  **28.** | Mr Rajib GuhathakurthaDr Matam Mohan BabuDr G Muralikrishnan**Dr Nalin kant Mohanty,EEE**Mr S SenthilkumarDr Swarnendu Kumar ChakrabortyMs Pragya Singh TomarMs R Uma MaheswariDr Brahma Datta ShuklaDr Sunanda Das | Mr Rajib GuhathakurthaDr Matam Mohan BabuDr G Muralikrishnan**Dr Nalin kant Mohanty**Mr S SenthilkumarDr Swarnendu Kumar ChakrabortyMs Pragya Singh TomarMs R Uma MaheswariDr Brahma Datta ShuklaDr Sunanda Das | An Image processing and Deep learning Based System for Advertisement Communication  | 202141042379Filed on19/9/2021 | **Published****1/10/2021** |
| **29.** | Ingeniouz**Mr A Kumaraswamy, MEC**Mr Bhaskar KapoorDr SumanthDr Nalini Kanta SahooDr Chinmaya Keshari SahooDr Banavanth HeeralalDr Sujatha MallapurDr Jagadeesh Kumar EgaDr Durgacharan Arun BhagwatDr Raghul ShivajiPrathibha Rahul AdnalkMr V Gopu | Ingeniouz**Mr A Kumaraswamy, MEC**Mr Bhaskar KapoorDr SumanthDr Nalini Kanta SahooDr Chinmaya Keshari SahooDr Banavanth HeeralalDr Sujatha MallapurDr Jagadeesh Kumar EgaDr Durgacharan Arun BhagwatDr Raghul ShivajiPrathibha Rahul AdnalkMr V Gopu | AI based Smart Touch less medicine dispensing System for Pharma Field | 202141038793Filed on 26/8/2021 | **Published****24/09/2021** |
|  **30.** | Dr M ShyamalagowriDr A N ShankarDr B AnuradhaDr R Thamil MagalDr S Saira Banu**Dr N R Sheela, APH**Dr Parrakal Satishchandra MenonDr S SheejaDr Mohan Rangam KadiresanDr A SanjaygandhiDr K KarthickMr B PrakashDr S GnanasekaranDr C Samson Jerold SamuelMr S SivanathanMr E Immanuvel Bright | Dr M ShyamalagowriDr A N ShankarDr B AnuradhaDr R Thamil MagalDr S Saira BanuDr N R SheelaDr Parrakal Satishchandra MenonDr S SheejaDr Mohan Rangam KadiresanDr A SanjaygandhiDr K KarthickMr B PrakashDr S GnanasekaranDr C Samson Jerold SamuelMr S SivanathanMr E Immanuvel Bright | Development of IoT based smart irrigation System | 2021410470014Filed on 18/10/2021 | **Published****29/10/2021** |
|  **31.** | Dr B Uma MahaeswariMs U Jhanani ShreeMr Ramprasad MaharanaMs R BharathyMs M Anitha MaryDr B MeenakshiDr S K Nandha Kumar**Dr S Vijayanand, ECE**Dr B DeepaDr Murugananth Gopal Raj | Dr B Uma MahaeswariMs U Jhanani ShreeMr Ramprasad MaharanaMs R BharathyMs M Anitha MaryDr B MeenakshiDr S K Nandha Kumar**Dr S Vijayanand, ECE**Dr B DeepaDr Murugananth Gopal Raj | Design of Pulse Oxygen Meter using IOT | 202141060100Filed on 22/12/2021 | **Published** **28/01/2022** |
|  **32.** | Dr. Rabinarayan satpathy**Dr. A. Sankaran, MAR**Dr. Anurad AeronMs. Sujatha pandaMrs. Dharshana A NaikMrs. Reddy AnuradhaDr. K.G.S. VenkatesanDr. Sushma JaiswalMr. Tarun JaiswalMr. Hanumaji Kantari | Dr. Rabinarayan satpathy**Dr. A. Sankaran, MAR**Dr. Anurad AeronMs. Sujatha pandaMrs. Dharshana A NaikMrs. Reddy AnuradhaDr. K.G.S. VenkatesanDr. Sushma JaiswalMr. Tarun JaiswalMr. Hanumaji Kantari | Multifunction heat Transmission simulator with AI and Machine learning | 20213103949331/08/2021 | **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 KumarDr. M. VelliangiriDarisa Guru SaiJoal Rathinam SalethR. kiruba sagarSneha. G |  **Sri Venkateswara Engineering College(SVCE),**School of Engineering, University of petroleum and Energy Studies,Coimbatore Institute of Technology,**Karthick Kumar R, MAR**Deepak KumarDr. M. VelliangiriDarisa Guru SaiJoal Rathinam SalethR. kiruba sagarSneha. G | Modelling and Simulation of Self- Balancing Solar Energy storage System | 20214104302222/09/2021 | **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 KumarDr Savita Goyal AggarwalMahesh Singh KhirwarDr Shyam Govind SinghDr Anandveer Singh SindhuMr G S Amal Dr Ishan Y Pandya**Dr M Gajendran, MEC** | Dr Dheeraj KumarDr Savita Goyal AggarwalMahesh Singh KhirwarDr Shyam Govind SinghDr Anandveer Singh SindhuMr G S Amal Dr Ishan Y Pandya**Dr M Gajendran, MEC** | Experimenting Filtration Technique for Carbon Particle Collector& Method thereof | 20221101490317/3/2022(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 DayanaMs P JeyaseeliDr B Doraswamy**Dr A Bhaskaran, Applied Physics** Dr Mohd Atif WahidMs Pooja KumariDr T KrishnaiahDr J Senthil MuruganMr Ch KodandaramuDr P Pasupuleti Subrahmanya RanjitDr B Prathish RaajaDr V Kannan | Ms. K Sofiya DayanaMs P JeyaseeliDr B Doraswamy**Dr A Bhaskaran, Applied Physics** Dr Mohd Atif WahidMs Pooja KumariDr T KrishnaiahDr J Senthil MuruganMr Ch KodandaramuDr P Pasupuleti Subrahmanya RanjitDr B Prathish RaajaDr V Kannan | Appliances for Solar Energy Generation and Saving using Tent energy storing | 20224102785014/5/2022 (Filed) | **Published****3/6/2022** |