**|| Jai Sri Gurudev ||**

S J C Institute of Technology, Chickballapur

**Department of Electronics & Communication Engineering**

 **PATENT SUMMARY**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Inventor** | **Title of Invention** | **Application/****Patent** | **National / International** | **Date of Filing** | **Date of Publish** | **Date of Grant** |
| 1 | Dr. B N Shobha | An novel method approach of wireless sensor network and delay tolerant network deployment | 202041009857 A | National | 7/3/2020 | 13/3/2020 |  |
| 2 | Dr. B N Shobha | Method for detection and localization of dental caries using deep learning techniques | 202041038832 | National | 9/9/2020 | 11/3/2022 |  |
| 3 | Dr. B N Shobha | Method for lung cancer detection using deep learning techniques | 17015232 | National | 9/9/2020 |  |  |
| 4 | Dr. B N Shobha | Content based image retrieval method for ECG reports using data analysis | 202041038831 | National | 9/9/2020 | 11/3/2022 |  |
| 5 | Dr. B N Shobha | Method of Auto-tuning PID controller using evolutionary computational techniques | 17015220 | ­National | 9/9/2020 |  |  |
| 6 | Dr.Bhaskar S, Dr.Bhargavi S | Structural health monitoring for the turbine blades | 2021102090 | International | 20/4/2021 |  | 26/5/2021 |
| 7 | Dr.Bhaskar S | Real Time Farmer Assistive Flower Harvesting Agricultural Robot | 2021103359 | International | 15/6/2021 |  | 15/6/2022 |
| 8 | Dr.Nagendra Kumar M | Design and Development of Support Less 3D Printing System Using FDM Technology | 2021102375 | International |  |  | 7/7/2021 |
| 9 | Ravikiran R | Accident prevention management system using Artificial Intelligence | 202041055059A | National | 17/12/2020 | 25/12/2020 |  |
| 10 | Dr.Bhaskar SDr. C Rangaswamy  | An Efficient and Safe ECU Information System for Automobiles | 202241022867 | National | 19/4/2022 | 6/5/2022 |  |
| 11 | Chandini A G | A Novel Blockchain -Based Framework for Risk Propagation on Electric power supply chain Networks | 202211028453 | National | 18/5/2022 | 27/5/2022 |  |
| 12 | Dr.Nagendra kumar M | Smart mask for improved personal health protection using IOT | 202241069538 | National | 2/12/2022 | 9/12/2022 |  |
| 13 | Dr. C Rangaswamy | “IoT Based Automatic Vehicle Abnormal Accident Detection and Rescue System”

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 | 202221072657 | National | 15/12/2022 | 30/12/2022 |  |
| 14 | Dr.B N Shobha,Madhukar S, Manjula K, Dr.Pranjala Tiwari, Srivani E N & Anilkumar R | Artificial Intelligence driven astronaut shoe design with efficient vacuum system for convenient planetary exploration on foot | 202341004957 | National | 25/1/2023 | 17/02/2023 |  |
| 15 | Dr.Bhaskar S & Madhu R | Unmanned aerial vehicle for ambulance | 386120-001 | National | 12/05/2023 |  |  |
| 16 | Dr.Bhargavi S | Color transform based approach for disease spot detection on plant leaf using image processing, Machine learning Algorithms for smart Agriculture. | 202341019534 | National | 21/03/2023 | 31/03/2023 |  |
| 17 | Chandini A G | An Efficent deep learning based distributed ledger technology for securing COVID-19 Medical images | 202314042780 | National | 26/06/2023 | 18/08/2023 |  |
| 18 | Dr.Shwetha V | An Efficient Mechanism for Fearly Detection of Prostate Cancer Through an Optimised Deep Learning Model | 202341083713A | National | 8/12/2023 | 5/1/2024 |  |

**Total -18**

**Granted-3**

**Published-12**

**Filed-3**

 **|| Jai Sri Gurudev ||**

S J C Institute of Technology, Chickballapur

**Department of Electronics & Communication Engineering**

Granted Proposals Summary

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the faculty** | **Research Proposal** | **Funding Agency** | **Year of submission** | **Year of Sanction** | **Amount** |
| 1 | R K Hemanth | Design and Development of Low cost handy mechanical Ventilator for Respiratory related ailments | MSME | 2022-2023 | April 2023 | 15,00000/- |
| 2 | Dr. Pranjala Tiwari | 2023-E-MRS Spring Meeting & Exhibit, France | SERB | 2022-2023 | April 2023 | 1,80,000/- |
| 3 | Dr.Bhaskar | IPR Seed Amount | KSCST | 2022-2023 | March 2023 | 50,000/- |
| 4 | Dr. P Sudir | Design and Development of Low cost handy mechanical Ventilator for Respiratory related ailments | KSCST-STI | 2022-2023 | Feb 2023 | 2,75,000/- |
| 5 | Dr. Pranjala Tiwari | High Performance Batteries from reutilized trash metal junk for portable electronic applications: Design, Surface Engineering and fabrication | KSCST-STI | 2022-2023 | Feb 2023 | 4,19,000/- |
| 6 | Prof. Shreehari H S | Automatic overhead Tank cleaning system | NAIN | 2019-2020 | May 2022 | 56,630/- |
| 7 | Dr.Bhaskar S And Dr.B N Shobha | AICTE IDEA-Lab Establishment | AICTE | 2022-2023 | Dec 2022 | 1,06,74,662(Self finance) |
| 8 | Dr. Levy M | Design and Development of Novel system for the early detection of human heart failure and precautionary measures for life saving | MSME-Incubation scheme | 2022-2023 | Aug 2022 | 15,00,000/- |
| 9 | Dr.Bhaskar S | Impact Lecture Session, 2020-2021 | AICTE-MIC | 2020-2021 | Nov-2021 | 12000/- |
| 10 | Dr.Bhaskar S | Impact Lecture Session, 2019-20 | AICTE-MIC | 2019-2020 | Nov 2020 | 18000/- |
| 11 | Dr. B N Shobha | Modernization of HDL Lab | AICTE | 2018-2019 | Dec 2019 | 6,76,000/- |
| 12 | Anil Kumar R | Smart Helmets for Bikes | NAIN | 2019-2020 | March 2019 | 2,50,000/- |
| 13 | Tilak Raj N | Sustainable power project to Remote Areas | NAIN | 2019-2020 | March 2019 | 2,50,000/- |
| 14 | Pradeepkumar M | “A-Drishti”-A step Towards Alternate Vision | NAIN | 2019-2020 | March 2019 | 2,22,000/- |
| 15 | Manjunantha S | Brain interface for patients with Disorder of consciousness and Stroke | NAIN | 2019-2020 | March 2019 | 2,40,000+1,90,000=4,30,000/- |