

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 S Dr. 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”	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 Efficient 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	
19	Dr.K.Ezhilarasan	Vision-Based Road Pattern Recognition Device Using Conventional Image Processing	450466-001	National	05/03/2025		05/06/2025
20	Dr.K.Ezhilarasan	SHORT-TIME CONTACT BELL PUSH SWITCH	202141042248	National`	17/09/2021		14/07/2025

Total -20

Granted-5

Published-12

Filed-3

|| Jai Sri Gurudev ||

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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	AICTE IDEA-Lab Establishment	AICTE	2022-2023	Dec 2022	1,06,74,662(Self

	Shobha					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/-