



SRI VENKATESWARA COLLEGE OF ENGINEERING (Autonomous)

Karakambadi Road, Opposite LIC Training Centre, Tirupati – 517 507.
Accredited by NBA (B.Tech – CSE, ECE, EEE, Mech., Civil and IT) & NAAC with ‘A’ Grade
Approved by AICTE, New Delhi permanently affiliated to JNTUA, Ananthapuram.

Department of MATHEMATICS

LIST OF PATENTS 2022-23

S. No	Name of the faculty	Title of Invention/ Patent	Application Number	Status	Date of Publication
1	Dr. K. Venkateswara Raju	An AI based system for generating program for solving simultaneous partial differential equations by use of finite element means and method thereof	202341012907 A	PUBLISHED	17.03.2023
2	Dr K. Venkateswara Raju	A NON-NEWTONIAN FLUID BASED FLOORING SYSTEM INCLUDING A MATERIAL	202241053919 A	PUBLISHED	30.09.2022
3	Dr K. Venkateswara Raju	System and method of editing mathematical formula and method thereof’ by the patent rules	202231013643	PUBLISHED	13.03.2022



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LIST OF PATENTS 2023-24

S. No	Name of the faculty	Title of Invention/ Patent	Application Number	Status	Date of Publication
1	Dr. P. Sreenivasulu	Influence of Thermophoresis and Brownian motion of nanoparticles on radiative chemically-Reacting MHD Hiemenz flow over a nonlinear stretching sheet with heat generation	202341047864 A	PUBLISHED	01.09.2023
2	Dr. S. Sudhakar Reddy	Method and System for Modelling Hesitant Bipolar-Valued Fuzzy Graphs in Mathematics	202341059007 A	PUBLISHED	03.09.2023
3	Dr. K. Venkateswara Raju	Hybrid fixed point theoretic Models for Robust Differentiation and Integration in Multidimensional Spaces	202341034058	PUBLISHED	24.09.2023
4	Dr. K. Venkateswara Raju	Mathematical modelling of Bubbly flow surface interactions in Multiphase systems	202341064057	PUBLISHED	24.09.2023
5	P. Srinivasulu Reddy	BIONIC ARM FOR LEFT ARM AMPUTEES	400400-001	PUBLISHED	21.11.2023
6	S. Varalakshmi bai	A Scalable Fixed point Algorithm for simultaneous numerical integration and differentiation in non-linear systems	202311075490 A	PUBLISHED	01.12.2023
7	Dr. S. Sudhakar Reddy	Adaptive Integration and Differentiation Techniques Through fixed point analysis for Real-Time systems	202341084869	Published	15.12.2023



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8	Dr. K. Venkateswara Raju	High-Efficiency Algorithms for Simulating MHD Interactions in Multi-Phase Newtonian and Non-Newtonian Fluids	202341086152	PUBLISHED	12.01.2024
9	A. Thriveni	High-Efficiency Algorithms for Simulating MHD Interactions in Multi-Phase Newtonian and Non-Newtonian Fluids	202341086152	PUBLISHED	12.01.2024
10	Dr. S.SUDHAKAR REDDY	A SYSTEM AND METHOD FOR FORMAL ALGEBRAIC STRUCTURE ASPECTS AND ALGORITHMS IN CRYPTOLOGY	202421002336 A	PUBLISHED	12.01.2024
11	Dr. S. BALA KRISHNA	NAVIGATING THE FUTURE: A COGNITIVE FRAMEWORK FOR AI, DIGITAL TRANSFORMATION, AND CYBERSECURITY IN BANKING	202421007834 A	PUBLISHED	01.03.2024
12	Dr. S. BALA KRISHNA	ECO-FRIENDLY SYNTHESIS OF SNSE NANOPARTICLES: ROLE OF REDUCING AGENTS ON THE PHASE FORMATION	202441006866	PUBLISHED	01.03.2024
13	Mr. N. MALLIKARJUNA REDDY	ECO-FRIENDLY SYNTHESIS OF SNSE NANOPARTICLES: ROLE OF REDUCING AGENTS ON THE PHASE FORMATION	202441006866	PUBLISHED	01.03.2024



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14	Dr. L. NARENDRA MOHAN	UNCOVERING THE MECHANISMS AND EVALUATING NANOPARTICLE BASED DRUG DELIVERY METHODS USING RESERVATION IN LUNG CANCER THERAPY	202411023346	PUBLISHED	01.03.2024
15	Dr. K. Venkateswara Raju	A SELF INDUCED LASER MHD FOR OPERATING TURBOCHARGED GAS TURBINE ENGINE	202441015699	PUBLISHED	15.03.2024



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LIST OF PATENTS 2024-25

S. No	Name of the faculty	Title of Invention/ Patent	Application Number	Status	Date of Publication
1	Mrs. P N Bharathi	Advanced time series forecasting techniques for mathematical applications	202441050427	PUBLISHED	05.07.2024
2	Dr. P. Sreenivasulu	Implementation of a Facial Recognition Based Enhanced Security System	202441057098 A	PUBLISHED	02.08.2024
3	Dr. P. Maninaga Kumar	Implementation of a Facial Recognition Based Enhanced Security System	202441057098 A	PUBLISHED	02.08.2024
4	Dr. R. Vijaya Lakshmi	Advanced Fluid Dynamics Simulation System for Real-time Analysis	202441054734 A	PUBLISHED	02.08.2024
5	Dr. R. Vijaya Lakshmi	System and method for numerical simulation of magneto hydrodynamic phenomena using Analytical models	2024421054735 A	PUBLISHED	02.08.2024
6	Dr. L. Narendra Mohan	The Mechanisms and Evaluating Nano particle- Based Drug Delivery Methods Using Resveratrol in lung cancer Therapy	202411023346 A.	PUBLISHED	02.08.2024
7	Dr. S. Sudhakar Reddy	Machine Learning Enhanced Techniques for Numerical Analysis and Error Reduction	2024421051863 A	PUBLISHED	23.08.2024
8	Dr. T. Ramanjaneyulu	Machine Learning Enhanced Techniques for Numerical Analysis and Error Reduction	2024421051863 A	PUBLISHED	23.08.2024
9	Dr. L. Narendra Mohan	Machine Learning Enhanced Techniques for Numerical Analysis and Error Reduction	2024421051863 A.	PUBLISHED	23.08.2024



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