



MALNAD COLLEGE OF ENGINEERING

(Autonomous)

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Patent Details

Sl. No.	Name of the faculty	Title of the patent	Type	Application No.	Date of filing	Status
1.	Dr. Srinath M S, Dr. Amarendra H J, Dr. Shashank Lingappa M	Metal Matrix Hybrid Composites	Indian utility	201741016480	10/05/2017	Granted Application, Patent Number :531424 (02/04/2024)
2.	Dr. P Madhu, Dr. S. Pradeep	Development of Hybrid Polymer Composites Reinforced with Prosopis Juliflora Bark Fibers, Phoenix Pusilla Leaf Fibers, Glass Fabrics and Carbon Fabrics	Indian utility	202041000392	04/01/2020	Granted Application, Patent Number :419287 (25/01/2023)
3.	Dr. Venkateswara Rao Kolli	Integrated optical MEMS serially coupled double racetrack resonator based accelerometer and high Q-factor photonic crystal microring-resonator based pressure sensor	Indian Utility	202141040452	07/09/2021	Granted Application, Patent Number :434395 (09/06/2023)
4.	Dr. P Madhu	Development of Advanced Prosthetic Device for Blind Amputees	Indian utility	202141051978	12/11/2021	Granted (530306),

						26/03/2024
5.	Dr. Santhosh Kumar K B, Sushma N	IoT based smart home monitoring device	Indian Design	392380-001	10/08/2023	Granted (29/09/2023)_
6.	Dr. P Madhu	Multi-Socketed Terminal Board with Wireless Audio Player	Indian Design	396980-001	07/10/2023	Granted (15/12/2023)
7.	Dr. Ashrith H S	Three dimensional article scanner	UK Design	6329513	28/09/2023	Granted (07/12/2023)
8.	Dr.Venkateswara Rao Kolli, Dr.Indira Bahaddur, Sushma N, Dr. Rajanna S	Laser Interferometer for length measurement	UK Design	6319739	18/10/2023	Granted (25/10/2023)_
9.	Dr. C M Naveen Kumar, Dr. Srinath M S	Mental Stress Monitoring Smart Ring	UK Design	6338081	08/01/2024	Granted (05/02/2024)
10.	Dr. C M Naveen Kumar	Machine Learning-Based Stress Detection Device	UK Design	6340493	19/01/2024	Granted (27/01/2024)
11.	Dr. Vinutha M R	An IoT based self-phased analysis of adverse effects in COVID recovery patients	Australian	2021101599	January 2021	Granted (05/05/2021)
12.	Dr. P Madhu	Multi-Socketed Terminal Board with Wireless Audio Player	UK Design	6299074	26/07/2023	Granted (09/08/2023)
13.	Dr. P Madhu	Device and System to Mend Polymer and Composite Sheets on Greenhouses and Polysheet	Indian utility	202241044724	05/08/2022	Published
14.	Dr. Madhu K S, Prem Kumar B G	Investigation on Sliding Wear Behaviour of Zinc Alloy Reinforced with Nano B ₄ CComposite	Indian utility	202341066233	03/10/2023	Published
15.	Dr. K C. Manu, Madhushree C, Chandini M S, Nudi Shree, Siri Hemanth, Shamana B S,	Enhanced Concrete Composites with Optimized Coir Fiber Orientation For Improved Mechanical Properties	Indian utility	202441028353	12/04/2024	Published

	Rashmi B R,					
16.	Chethan Kumar N T, Supriya M J, Indumathi C, Amrutha D S, Madhushree C	Enhanced Soil Composites with Optimized Natural Additives for Improved Mechanical Properties	Indian utility	202441031963	26/04/2024	Published
17.	Dr. M. Ramesh, Dr. Rajanna S, Dr. Venkateswara Rao Kolli	Dispatch Strategies-based Performance Analysis of a Hybrid Renewable Energy System for a Remote Rural Area in India	Indian Utility	202341049419	21/07/2023	Published
18.	Dr.Venkateswara Rao Kolli	A Novel 8-Channel DWDM demultiplexer on Silicon Photonic Crystal slab: Design and Analysis	Indian Utility	202341049418	21/07/2023	Published
19.	Dr.Venkateswara Rao Kolli	Optimized Integrated Optical Coupled Micro Ring Resonator for Low Pressure Sensing	Indian Utility	202341048095	17/07/2023	Published
20.	Dr.Venkateswara Rao Kolli, Dr.Indira Bahaddur	A Novel 8-Channel DWDM demultiplexer on Silicon Photonic Crystal slab: Design and Analysis	Indian Utility	202341049418	21/07/2023	Published
21.	Dr. Venkateswara Rao Kolli	Investigation of Network Anomaly Detection Techniques for Distributed Denial of Intelligent Service Attacks	Indian Utility	202341052114	03/08/2023	Published
22.	Dr. Venkateswara Rao Kolli	False Positive automatic Reduction in DDoS attack classification using ANN simulation	Indian Utility	202341052113	03/08/2023	Published
23.	Dr. Venkateswara Rao Kolli	Dispatch Strategies-based Performance Analysis of a Hybrid Renewable Energy System for a Remote Rural Area in India	Indian Utility	202341049419	21/07/2023	Published
24.	Dr. Venkateswara Rao Kolli	4-Channel DWDM demultiplexer on silicon photonic crystal slab	Indian Utility	202341056018	21/08/2023	Published
25.	Dr. Prakruthi H L	Design and Development of MEMS Sensor for Industrial Health Monitoring	Indian Utility	202341008529	09/02/2023	Published

26.	Swathi H Y	Advanced Acoustic Signal Processing and Classification System for Comprehensive Crowd Dynamics Analysis	Indian Utility	202341059505	05/09/2023	Published
27.	Dr. C M Naveen Kumar	Classification of Mental Stress and Psychological Disorder from Electrocardiogram Signals using Machine Learning Approach	Indian Utility	202341020626	23/03/2023	Published
28.	Dr. C M Naveen Kumar	Facial Emotion Detection using Semi-Supervised Modified Selforganizing Feature Map Neural Network Method	Indian Utility	202221027213	11/05/2022	Published
29.	Dr. C M Naveen Kumar	Data science, AI, ML algorithms Based Paddy-Disease Avoidance system using DNN and Image Processing approach	Indian Utility	202241037444	29/06/2022	Published
30.	Dr. Prasanna A A	Alloy composition and A Method of Synthesizing the Alloy composition	Indian Utility	202241017141	07/07/2023	Published
31.	Dr. B C Hemaraju	A Nanostructured Unidirectionally Conducting Polymer	Indian Utility	202241064809	25/11/2022	Published
32.	Dr. Geetha Kiran A	A System for Yield Estimation of Mango Fruit Crop Using Deep Learning	Indian Utility	202041043720	07/10/2020	Published
33.	Spoorthi B S	Headset-Wearable and Modular Device for Hybrid Brain-Computer Interface	Indian Utility	202241020829	07/04/2022	Published
34.	Prapulla Kumar M S	Intelligent Medical Diagnosis System using Machine Learning and IoT Technologies	Indian Utility	202341011883	21/02/2023	Published
35.	Madhu C K	Smart Energy Meter to Incorporate Demand Response	Indian Utility	202241076943	29/12/2022	Published
36.	Chethan Kumar N T	Personalized Learning Platform for Teacher Professional Development	Indian Utility	202321048738	19/07/2023	Published