



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)

L.B.Reddy Nagar, Mylavaram – 521 230, Andhra Pradesh, INDIA.

Affiliated to JNTUK, Kakinada & Approved by AICTE, New Delhi.

Accredited by NAAC, NBA Tier-I for CSE, IT, ECE, EEE & ME

DEPARTMENT OF MECHANICAL ENGINEERING

Patents Published

A.Y: 2022-23

S. No.	Patent Title	Applicants/ Inventors	Patent Application No.	Published Date	Published Agency	Status of the Patent
1.	Machine Learning based prediction of recommended song selections based on the people mindset using the dataset of age and emotional words using deep learning algorithm	Dr.L.Bharathi Dr. Govindraj B. Chittapur Amogh Babu K A V. Senthil Kumar Dr. P. Banu Priya Dr. Subhabrata Banerjee Mr. Jonnala Subba Reddy B.Tapasvi	202241038948	22.07.2022	IPR India	Published
2.	A Smart and Handy Cleanser for Fabrics	Dr. V. Anantha Lakshmi Dr. Sridhar S Dr. Gangadhar N B. Amarnath Naidu Vemula Venkatakondaiah Jonnala Subba Reddy	202241042605	29.07.2022	IPR India	Published
3.	Hygiene Robotic-based Agricultural Practices to Maintain the Crops from inferring their growth with Unwanted plants and weeds by avoiding Nutrition Sharing	Dr. Mahesh Mallampati Sharada K A Dr.S.M.Ramesh Dr Rajbhoj Balaji Govindrao Dr.Vinoth Kumar.V Pradip Kumar Saini Preeti Avasthi Jonnala Subba Reddy	202241042295	29.07.2022	IPR India	Published

4.	IoT, Big Data science & Analytics, Cloud Computing and Mobile App based Hybrid Model for Healthcare Management System	Dr. T. S. Sasikala Archana V Nair S Dr.S.Raju Mrs. Anjana S Dr Anuradha Sarkar Rejini K Dr. S. Srinivasan Dr. Naresh Kumar U Jonnala Subba Reddy	202241043737	02.08.2022	IPR India	Published
5.	Designing an Artificial Intelligence module for analyzing Six Sigma-based Approaches to Business Practices in Manufacturing, Services, and Production	Dr N Priyadharshini Dipesh Daddelal Uike Dr.K.Kalaivani Kalpanadevi D Bhola Khan R. Veerappan Prof. Surendra Ramesh Sawardekar Dr.A.Sumithra Jonnala Subba Reddy Dr.A.Sasi Kumar Dr. Animesh Kumar Sharma Mr. Shyamal Mandal	202241045393	19.08.2022	IPR India	Published
6.	Artificial Intelligence and Machine Learning based approach to Predict the preferences of target customers for various Marketing Strategies	A. Priyadharshini Suman Devi Dr. Syed Asadullah Hussaini Dr. Vikas Tripathi Dr. Mohammed Azam Dr. Urmilla Sarkar Dr. Gurumeet Wadhawa Jonnala Subba Reddy Dr. G. Sudhagar Prof (Dr). Nitin Girdharwal Prof. Jitendra Charan Dr. A. Sasi Kumar	202241045453	19.08.2022	IPR India	Published

7.	Artificial Intelligence based system along with IoT Alert Mechanism to Predict the Occurrence of Earthquake and Safeguard the Buildings from its Disastrous Effects	Dr. R. Vijay Kumar Dr. Deepak Nathuji Kakade Dr. Droupti Yadav Ruthra R Suvarna Devidas Kamble Dr. Shweta Rani Nyathani Maramu Dr. Ravindra D Nalawade Dr.P.Arulprakash Prof.S.Pranavan Dr.A.Sasi Kumar Jonnala Subba Reddy	202241046666	26.08.2022	IPR India	Published
8.	A smart robot to manage and Monitor the Covid 19 patients along with treating them by reducing the burden on medical practitioner	Ajith V S Swati Trivedi Akriti Pal Dr. Droupti Yadav Yadvendra Dutt Shukla Neha Srivastava Ankur Srivastava Jonnala Subba Reddy Mohd Esa Banupriya V Dr. Nagsen Samadhan Bansod Umesh Chandra Pandey	202241046505	26.08.2022	IPR India	Published
9.	Robotic application based Smart and Self analysisof Electric VehiclesFault Identification and Rectification	Dr.Gudipudi Nageswara Rao Dr. Yogendra Rathore Dr.Manish Shrimali S.Sakthi Anand Goswami Vivek Dubey Rashi Goswami Malini T Dr Annal Ezhil Selvi S Jonnala Subba Reddy Samraat Sharma Prabhdeep Singh	202241048681	02.09.2022	IPR India	Published

10.	Systematic approach to analyse the impact of utilising the aspects of green building in construction technology	Dr. S. M. Subash Dr. Deepak Kakade Dr.M.Chittaranjan Ravindra Kumar Goliya Pavan Kumar Thimmaraju Dr. Ravindra D Nalawade Dr.Rashmi Trivedi Dr. Droupti Yadav Prof. S.Pranavan Jonnala Subba Reddy Digambar Balasaheb Patil Mr. Nishant Anantrao Upadhye	202241048680	02.09.2022	IPR India	Published
11.	Machine Learning approaches to for Improving the Automatic Solar Light Tracking System for Energy Efficiency	Sudeshna Surabhi Dr. T. Jeya Shree R. Kiranmayi Md Ahsan Anjum Ayyaj Patel Ekta Menghani Rashi Goswami Jonnala Subba Reddy Dr. K. Boopathy Dr. Subhash Chander Dr Sumit Kumar Gupta Samraat Sharma	202241050110	09.09.2022	IPR India	Published
12.	Machine Learning based approach to analyse the Characteristics of Various Nano Materials and their impact in Improving Agricultural Yield	Ramya M Dr. Vishal Mehta Dr. Deepa Sharma Preethi Vasanthakumar Tekle Leza Dr. Piyush Thakur Kumud Tanwar Dr. Swati Jha Karthi K Jonnala Subba Reddy Dr Vishnu Kiran Manam Dr.Thimmaiah Bayavanda Chinnappa	202241052856	07.10.2022	IPR India	Published

13.	THERMAL ANALYSIS OF POLYMER-MODIFIED ROAD BITUMENS	Dr.S.Sathees Kumar Dr.Shashishankar.A Dr. S. Sheeju Selva Roji Dr. Katakam Satyanarayana Mrs Manepalli.Sailaja Mr. Ankush Balajirao Khansole Mr. Chandresh M. P. Dr. R. Meenakshi Reddy Mr. Sakthi Mr.Kolagotla Venkateswara Reddy	202241062488	11.11.2022	IPR India	Published
14.	Smart robotic application integrated with internet of things techniques to automate the process of physiotherapy exercises	DR. VADHRI SURYANARAYANA, DR PRIYANKA SETHI, DR PREETI SAINI, Dr. Ganesh K Khushboo Sharma, PROF.NIRANJAN BARNWAL, A NAGESWARA RAO DR. BHASKER PANT	202241040814A	29.07.2022	IPR India	Published
15.	Design And Fabrication Of Multi Functional Air Conditioning System	Kamala Priya. B Dr.Dilip kumar.K Mounika.p L.Bindu B.Sudheer kumar B.Udaya lakshmi A.Dhanunjay kumar Kiran sai gorle C.trishit	202341011370	24-03-2023	IPR India	Published
16.	Predicting the industrial maintenance based on iot and ant colony optimization algorithm	Dr. Yogesh Pal Keerti Patil Ravindra Kumar Yadav Subasish Mohapatra Subhadarshini Mohanty Dr. Siva Sankara Babu	202311025408	19.05.2023	IPR India	Published

		Chinka Sindu Devi J Prof. Dr. E. Daniel Francis Dr. Deepak Dalal Dr. Mamta Sharma Dr. Animesh Kumar Sharma Dr. Pasupuleti Subrahmanya Ranjit				
17.	Ultra light weight natural fiber composites for aerospace applications	Sivasubramanian palanisamy Santhosh kumar D Kumaran Prema Kumar Sudher kumar Battula Dr. P.C Krishnamachary Dr.p.Suresh Kumar M.Sudhakar	202321032319 A	16.06.2023	IPR India	Published
18.	A Smart and Collapsible Space-Saving Head Guard for Riders	Dr. Venkateswarlu Reddy Siripireddy M. Anand Dr. K. Anandan Dr. Avinash Gudimetla Seelam Rami Reddy Dr. Sanjit Kumar Dash	202341020328 A	07.04.2023	IPR India	Published
19.	Smart and Compact Foldable Storage System	Ch. Leela Naga Deepika Dr. Katta Subba Rao Seelam Rami Reddy Dr. Reema Mathew A. Dr. H. Parthasarathi Patra Dr. Punyaban Patel	202341020183 A	31.03.2023	IPR India	Published
20.	Flexible wrench	Dr. M. Nageswara Rao V. Sankara Rao Dr. Md. Khaja Moinuddin Farokhi Dr. V. Venkata Kamesh S. Varakumari	361415-001	24.03.2023	IPR India	Published

21.	An apparatus for the Friction Stir process	Dr. Satyanarayana Kosaraju Dr. Murahari Koli K.Raj Kiran Abdul Chan Basha	2023410400 A	30.06.2023	IPR India	Published
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