



## 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: 2021-22

S. No.	Patent Title	Applicants/ Inventors	Patent Application No.	Published Date	Published Agency	Status of the Patent
1.	Vehicle Deceleration Indicating System	<b>B.Chaitanya</b>	374617	16.08.2021	IP India	<b>Granted</b>
2.	Lateral and Longitudinal displacement measurement of tire cornering stiffness of All Terrain Vehicle using Recursive Least Square technique	Annamalai, K, ChakrabartiTulika, Gyara Ajay Kumar, <b>Battula Sudheer Kumar, Chinka Siva SankaraBabu,</b> ChinnamDilipShyam Prakash, Mandru Suresh Kuma, SanakaRajita, JaglanVivek, HatiAnanda Shankar, ChakrabartiPrasun and Kaur Gurusharan	2021102847	07.07.2021	IP Australia	published
3.	IOT based smart control and Monitor various aspects of automobile system	C.Lakshmi, Dr.R.Murugan, R.Ragul, Dr.A.V.G.A. Marthanda, <b>Dr.K.Appa Rao,</b> K.Lakshni Prasad, Dr. R. Saravana, Dr.Arunbharathi, Dr. Ram subbaiah, Dr.Markarandi Upadhyaya, Shelly Garg, S. Balamurugan	202141033541A	06.08.2021	IP India	published
4.	Study of The Behaviour and Performance of A	Dr. M.Ramarao Dr. S. Senthil Kumar	2.02141E+11	02.07.2021	IP India	published

	Solar Steam Turbine By Calculating Three Variants Based	Mr. T CH Anil Kumar Mr. N. Lingeshwaran Mr.Nagaraja T. K Mr. Amol L. Mangrulkar Mr. R. Sarweswaran <b>Mr.Kanulla Karthik</b> Dr.MotiLalRinawa Dr.Sanjay Kumar. S. M Mr. Channabasav Mr.Parthasarathy. K				
5.	Design and Fabrication of Treadmill bicycle	<b>Dr.V.Dhana Raju</b> Dr.M B S Sreekara Reddy Mr.J.Subba Reddy Dr.S.Pichi Reddy Dr.J.N.Nair Dr.HarishVenu Mr.S.Rami Reddy Mr. K.V.Viswanadh Dr.K.Bala Prasad Mr.R.Anjaneyulu Naik	2.02141E+11	24.11.2021	IP India	published
6.	Adjustable size door	Donthamsetty Sunil, Ranganath Lolla, Bathula Venkata Siva, <b>M.B.S.Sreekar Reddy,</b> Anna Eswara Kumar	351102-001	26.11.2021	IP India	published
7.	Extendable size name plate	Bathula Venkata Siva, RanganathLolla, <b>M.B.S.Sreekar Reddy,</b> Donthamsetty Sunil, Anna Eswara Kumar	351108-001	26.11.2021	IP India	published
8.	Door with built in ladder	Ranganath Lolla, Donthamsetty Sunil, <b>M.B.S.Sreekar Reddy,</b> BathulaVenkata Siva, Anna Eswara Kumar	351113-001	26.11.2021	IP India	published
9.	Size adjustable feeding bottle	Ranganath Lolla, <b>M.B.S.Sreekar Reddy,</b> Donthamsetty Sunil,	351116-001	26.11.2021	IP India	published

		Bathula Venkata Siva, Anna Eswara Kumar				
10.	Electronic alpha numeric slate	Ranganath Lolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, Bathula Venkata Siva, Anna Eswara Kumar	351119-001	26.11.2021	IP India	published
11.	Cot for burn victims	<b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, Ranganath Lolla, Bathula Venkata Siva, Anna Eswara Kumar	351106-001	03.12.2021	IP India	published
12.	Multi-utility pen stand	Ranganath Lolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, Bathula Venkata Siva, Anna Eswara Kumar	351112-001	03.12.2021	IP India	published
13.	Electrical socket with mobile phone holder	Ranganath Lolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, Bathula Venkata Siva, Anna Eswara Kumar	351114-001	03.12.2021	IP India	published
14.	Mobile phone holding stand	Ranganath Lolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, Bathula Venkata Siva, Anna Eswara Kumar	351117-001	03.12.2021	IP India	published
15.	Carpet for gas stove	Ranganath Lolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, Bathula Venkata Siva, Anna Eswara Kumar	351118-001	03.12.2021	IP India	published
16.	Utensil stand with waste collector	Ranganath Lolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, Bathula Venkata Siva, Anna Eswara Kumar	351100-001	10.12.2021	IP India	published

17.	Adjustable size door	Ranganath Lolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, BathulaVenkata Siva, Anna Eswara Kumar	351101-001	10.12.2022	IP India	published
18.	Mobile charger stand	Ranganath Lolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, Bathula Venkata Siva, Anna Eswara Kumar	351103-001	10.12.2022	IP India	published
19.	Dual Mirror	RanganathLolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, BathulaVenkata Siva, Anna Eswara Kumar	351104-001	10.12.2022	IP India	published
20.	Pneumatic Boat for kids	RanganathLolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, Bathula Venkata Siva, Anna Eswara Kumar	351105-001	10.12.2022	IP India	published
21.	Wall scraper	RanganathLolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, BathulaVenkata Siva, Anna Eswara Kumar	351107-001	10.12.2022	IP India	published
22.	Devotional utility plate	RanganathLolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, BathulaVenkata Siva, Anna Eswara Kumar	351109-001	10.12.2022	IP India	published
23.	Devotional utility plate	RanganathLolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, BathulaVenkata Siva, Anna Eswara Kumar	351110-001	10.12.2022	IP India	published

24.	Cup with stirrer stick	RanganathLolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, BathulaVenkata Siva, Anna Eswara Kumar	351111-001	10.12.2022	IP India	published
25.	Door mat with propeller	RanganathLolla, <b>M.B.S.Sreekar Reddy</b> , Donthamsetty Sunil, BathulaVenkata Siva, Anna Eswara Kumar	351115-001	10.12.2022	IP India	published
26.	Measurement and studt of thermal cycle at steel or aluminium interface by both experimental and simulation approach	B.Nageswara Rao Narayanaswamy.C, Dr. Y.Robinson, MeheubAlam Amol L. Mangrulkar Dr. S.SADHISH KUMAR Dr.AlaguThillaivanan <b>KANULLA KARTHIK</b> Dr. Amit Kumar Sharma Dr.MotiLalRinawa Dr.M.Ramarao	No.20214105567 4 A	10.12.2021	IP India	published
27.	Two Wheeled Barrel Moving Cum Pouring Hand Truck	Dr.M.Nageswara Rao, <b>Dr.P.Vijaya Kumar</b> , Dr.S.N.Padhi, Dr.K.S.Raghuram, Dr.R. Vaikunta Rao, Dr.HemalathaSomireddi, Mr.B.Sreedhar	352802-001	21.01.2022	IP India	published
28.	TWO WHEELED BARREL MOVING CUM POURING HAND TRUCK	Dr.M.Nageswara Rao, <b>Dr.P.Vijaya Kumar</b> , Dr.S.N.Padhi, Dr.K.S.Raghuram, Dr.R. Vaikunta Rao, Dr.HemalathaSomireddi, Mr.B.Sreedhar	352803-001	21.01.2022	IP India	Published

29.	Integrated Airless Wheel	Karteek Navuri RajanaVara Prasad <b>Dr.Murahari Kolli</b> K.Ravi Kumar	355762-001	05.03.2022	IP India	Published
30.	Evaluation of mechanical properties and stability of lignocellulosic briquettes	A.N.R. Reddy Dr. T.Sivakumar Dr.P.Yuvanarasimman Dr.A.M.Shanawaz <b>Dr.Chinka Siva Sankara Babu</b> Dr.Devaraj J Dr.K.Pazhanivel A.S. Karthik Sai Ashish Kumar Karanam Amereswara Prasad Chunduru Dr.M.Rama Rao	202241009462 A	04.03.2022	IP India	Published
31.	Design of Hydro-Pneumatic ISD Suspension In Heavy Multi-Axle Vehicles	Dr Boda Surya Venkata Ramarao, Dr. Anil Kumar Bodukuri, Mr. Sudhan A, <b>Mrs. Kamala Priya Bysani</b> , Mr.Venkata Raghavendra Rao Mullapudi, Mr. G.VenkatRamana, Mrs.ArunaKunda, Mr.Subrahmanyam Vasamsetti	202241005023	30.03.2022	IP India	Published
32.	A Self-Destructive Composite Body Armor for Police during Riots	A.S. Karthik Dr. S.V.Gorabal Dipak S. Patil SanthoshGotagunki Rudresha S Arun A. Shivaimpi K.H.Pulkeshi <b>Dr. Chinka Siva Sankara Babu</b>	202241020761 A	22.04.2022	IP India	Published

		Dr.Sai Ashish Kumar Karanam Mallur Basavaraj				
33.	Two Wheels self balancing scoter	Dr.M.Nageswara Rao, <b>M.Oliva</b> , Dr.Md.Khaja Moinuddin Farikh Dr. V. Venkata Kamesh P.Bharath Varma	361409-001	13.6.2022	IP India	Published
34.	AI based Prevention and Prediction of Restless Legs Syndrome in Patients with Liver problem using Machine Learning and Deep learning algorithms	Dr Bhupesh Goyal Dr. Smita Prakash Wankhedkar Dr. Brijesh Sathian Prachi Subhash Giri Dr. Riya K S Dr. Om Teraiya <b>Mr. Jonnala Subba Reddy</b> Dr.arishchander Anandaram	202211027211	20.05.2022	IP India	Published
35.	Deep Learning and Artificial intelligent based detection and prevention of various Cancer (Oral, Blood, Lung, Breast, Mouth, Tumor size) using Machine Learning and Data Mining for health care management	Kavitha R Dr Stalin Subbiah Dr. Deepak Chandran Dr.Sridevi Narayanan <b>Jonnala Subba Reddy</b> Dr.R.Rajasekaran Mr. Surya Prakash Dr. S. Saravanan P.Jeevitha Dr. Brijesh Sathian Dr.Vasundhara Saxena Jitendra Kurmi	202241012899	25.03.2022	IP India	Published
36.	Deep Learning And Artificial Intelligent Based Detection And Prevention Of Various Brain Tumour Using Machine Learning And Data Mining For Health Care Management	Dr. Vasundhara Saxena EswararaoBoddepalli Dr. Shruti Aggarwal Dr. S. Saravanan Dr.G.Charlyn Pushpa Latha <b>Jonnala Subba Reddy</b> Dr. Brijesh Sathian Vinay Kumar	202211014349	25.03.2022	IP India	Published

		Shipra Singhal Dr. Deepti Katiyar Mr. Surya Prakash				
37.	Blockchain and Cloud computing based Criminal Digital Forensic Investigation and Prediction using Artificial Intelligence and Machine learning algorithms	Dr. A. Bhuvanewari Dr S. Sakthitharan Manoj Kumar Yadav Subhashini S Shailendra Pratap Singh M.Valarmathi, <b>Mr. Jonnala Subba Reddy</b> Alpesh Vaghela Dr. Anilkumar Suthar Dr. Brijesh Sathian Jitendra Kurmi Dr Nallam Krishnaiah	202241017565	01.04.2022	IP India	Published
38.	IoT and Block Chain based Detection and prevention system of Rice Plant Disease using Deep leaning ( CNN) and image processing	Dr. Shruti Aggarwal Dr. Sandip Debnath Dr. Gayatri Vaidya Chaithra S Dr. Mukta Jagdish <b>Mr. Jonnala Subba Reddy</b> Dr. S. Saravanan Babu.K Abhilash. E.S Dr. Brijesh Sathian.VedhaVinodha.D Rakesh S	202211015286	01.04.2022	IP India	Published
39.	IoT and Cloud based Smart Agriculture device to Detect Flames using WSN and Image Processing Techniques	Dr. Mukta Jagdish Dr. KosalendraEethamakula Dr. Sandip Ghosh Ajay Kumar Dr. S. Saravanan <b>Jonnala Subba Reddy</b> Mr. Pranesh Balaso Bamankar V.T.Kruthik J.Valarmathi	202241013747	25.03.2022	IP India	Published



		Dr.BrijeshSathian Mr. Surya Prakash				
40.	Ai Based Early-Stage Detection And Prevention Of Mental Deterioration And Incurable Brain Disease Using Image Processing In Healthcare Management	Konda Hari Krishna Dr. Prakash Tanaji Wankhedkar <b>Mr. Jonnala Subba Reddy</b> Dr Richa Dr HarishchanderAnandaram Dr. S. Nalini Dr.Pramod Sharma Dr. AvijitBhowmick	202241024831	13.05.2022	IP India	Published
41.	Universal Flexible Wrench	Dr.M.Nageswara Rao, <b>V.Sankar Rao</b> , Dr.Md.Khaja Moinuddin Farikh Dr.V.Venkata Kamesh Dr. S.Vara Kumari	361415-001	29.03.2022	IP India	Published