



## VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade  
NBA Accreditation for B.Tech. CE,EEE,ME,ECE,CSE,EIE,IT,AME, M.Tech. STRE, PE, AMS, SWE Programmes  
Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF (2023) Rank band:101-150 in Engineering Category  
College with Potential for Excellence by UGC, JNTUH-Recognized Research Centres:CE,EEE,ME,ECE,CSE  
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### Index

### Academic Year 2017-2024

### PATENTS DETAILS

S.No	Academic Year	No. of Indian Patents Published	No. Patents Granted	No. of Australian Innovation Patents Granted
1	2023-2024	1	1	
2	2022-2023	4	3	
3	2021-2022	5	2	
4	2020-2021	12		3
5	2019-2020	2		
6	2018-2019	3		
7	2017-2018	1		
	Total	28	6	3

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S.NO	Name of the Faculty member	Title Of the patent/Design	Country	Institute	File Number	Status of the Patent	Date of the Application	Academic Year
1	Dr M Shanmukhi, Dr Anitha Patil, Dr G Naga Satish, <b>Dr Annaluri Sreenivasa Rao</b> .Dr Attili Venkata Ramana	A Novel pixel based method for satellite image classification	India	Indian Patent Authority	201841019513	Published on 01/06/2018	24/05/2018	2017-18
2	<b>Vangipuram Radhakrishna</b> , P.V.Kumar, Vnjamuri Janaki, Arvind Cheruvu	System and method to generate time-profiled temporal pattern tree	India	Indian Patent Authority	201841045647	<b>Granted 26/05/2022</b>	03/12/2018	2018-19
3	Dr Anitha Patil, <b>Dr Annaluri Sreenivasa Rao</b> .Dr Attili Venkata Ramana, Dr P.venkata Krishna, P.S.Latha Kalyampudi, Ch.Janakamma, Dr M Shanmukhi, B.madhuravani	Cloud parking management system and vehicle anti-theft method	India	Indian Patent Authority	201921000271	Published on 08/02/2019	03/01/2019	2018-19
	<b>Dr. Annaluri Sreenivasa Rao.</b> Dr. Anitha Patil, Dr Attili Venkata Ramana, Dr.P.Uday Kumar, Dr.P.Santosh Kumar Patra, Dr.V.Anandam, Dr Ganti Naga Satish, B.Madhuravani, Dr.M.Shanmukhi.	IOT-Traffic system: IOT based intelligent traffic, transport management System	India	Indian Patent Authority	201941004416	Published on 15/02/2019	04/02/2019	2018-19

5	<b>Vangi puram Radhakrishna,</b> Arvind Cheruvu, <b>Gunupudi Rajesh Kumar,</b> <b>Gali Suresh Reddy,</b> <b>Nimmala Manga Thayaru,</b> Vinjamuri Janaki, <b>Vangipuram Sravan Kiran.</b>	System and method for diagnosis of diseases from medical images	India	Indian Patent Authority	202041020407	<b>Granted 21/01/2022</b>	14/05/2020	2019-20
6	Mr.Sameera Divanu, Mrs Vedavathi K,Mr Adluri Vijaya, <b>Mrs.Raswitha Bandi,</b> Mrs Swetha Koduri, Mrs Satya kiranmai, Mrs Swathi Sowmya, Mrs Gnyanadeepa Yaganti, Mrs Patterm Sampurnima	IML- Traffic prediction: intelligent traffic prediction using machine learning.	India	Indian Patent Authority	202041027655	Published on 31/07/2020	30/06/2020	2019-20
7	Dr.P.Ezhumalai, Dr.M.Rajkumar, Dr.B.Kalpana, Mr.K.Chittibabau, <b>Dr.N.Sudhakar Yadav,</b> Dr.P.Shobha Rani, Mrs.k.Balasaranya	An Air Gesture Based System for Communicating Between Multiple IOT Devices	India	Indian Patent Authority	202041030653	Published on 31/07/2020	18/07/2020	2020-21
8	Dr.S.Sankar, <b>Somula Ramasubbareddy</b> T .Aditya Sai Srinivas, Dr.V. Vinoth kumar	Smart Women Anti-violence Device	India	Indian Patent Authority	202041032421	Registered	29/7/2020	2020-2021
9	Dr.G.Sreenivasulu, Dr Rajendra Chadalawada,Prof. Kutapudi Venu Madhav,	A proficient method for categorical data clustering	India	Indian Patent Authority	202041035585	Published on 04/09/2020	18/08/2020	2020-21

	Dr.B.Sujatha ,Dr Ganti Krishna Sarma, Dr Selvaraj Rajalakshmi ,Dr Abhishek Ranjan, <b>Dr.N.Sudhakar Yadav, Mr Balakesava Reddy,</b> Mrs.N.Thulasi chitra, Dr. Shiva Shankar S							
<b>10</b>	M.Shanmukhi, Nazia Tabassum, Harinath, K., Sree, Divya N, Reddy, T. Rama, Masina, Venkata Rajesh, Ramana, Attili Venkata; <b>Rao, Annaluri Sreenivasa,</b> Kumar, Raja boina Raja and Reddy, N Chandra Sekhar	Dima-dataset discovery: dataset discovery in data investigative using machine learning and AI-based programming	Austr alia	Australia Patent	202010 1987	Published on 16/09/2020 .	26/08/2020	2020-21
<b>11</b>	Challagundla Ramesh babu, <b>Dammavalam Srinivasa Rao,</b> Nuvvu setty Rajasekhar, <b>Vangipuram Sravan Kiran,</b> Lalith Bharadwaj Baru,	Method for detecting health condition in plants using an aerial device based on deep learning approach	India	Indian Patent Authority	202041 043102	Published on 09/01/2020 .	05/10/2020	2020-21
<b>12</b>	Dr.S.janardhana Rao, Dr Vijay Kumar Burugari, Dr.R.Shankar, Dr Prabha SelvaRaj, Ms.M.Rajani Devi,  <b>Ms.Keesara Sravanthi,</b> Dr.m.Praveen Kumar,	An IOT based automatic fatigue and health monitoring  system during travel	India	Indian Patent Authority	202041 043131	Published on 16/10/2020	05/10/2020	2020-21

	Dr.I.Koteswara Rao, Dr.K.Chandraprabha, Nagarjuna Malladhi							
13	<b>Kolli Srinivas,Illa Pavan Kumar,Anand Kumar Sharma,Parvathala Balakesava Reddy,Peddarapu Ramakrishna</b>	IUML-stock prices predictor Intelligent Stock prices Predictor using Machine learning	India	Indian Patent Authority	202041045968	Published on 13/11/2020	22/10/2020	2020-2021
14	Dr Noorul Asrar Beg,Dr Sarfaraz Masood,Dr.V.Nagaveni,Dr.G.Gnana Selvi,Dr Kolachina Srinivas,Dr.K.Shashidhar,Dr Ahmed Sajjad Khan,Prof Ashwala Mohan, <b>Mrs.D.Dakshayani Himabindu</b> ,Dr Mohammed Yousuf Khan,Mr Mohd Yousuf,Dr Himanshu Aggarwal,Dr Rinkle ani,r Aman Sharma,Dr Pasupuleti Subramanya Ranjit,Dr Kamal Gulati,Dr Narinder Kumar Bhasin,Mr.G.Divakara Reddy.	An Artificial Intelligence based system to identify the medical condition prior to doctor consultation	Australia	Australia Patent	2020103509	Published on 13/01/2021	18/11/2020	2020-21
15	<b>Vangipuram Radhakrishna</b> ,Arvind Cheruvu, <b>Gunupudi Rajesh,Vinjamuri Janaki,Gali Suresh Reddy,Nimmala Mangathayaru,Vangipuram</b>	System and Method for Diagnosis of diseases from medical images	Australia	Australia patent Authority	2021100026	Published on 10/3/2021	05/01/2021	2020-21

	<b>Sravan Kiran,</b>							
<b>16</b>	Dr.K.Sudha Rani, Dr.R.Manjula sri, Dr.T.Nireekshana, Dr Shuruchi Tiwari,K.Mani kumari, Dr.N.Sandhya, <b>Dr.N.Mangathay aru,</b> K. Vijaya Chandra, Naregalkar Akshay, Dr.A.Giri Prasad	Motorized Ankle foot Driven customized prosthetic leg with Exoskeleton	India	Indian Patent Authority	202141 016519	Published on 23/04/2021	08/04/2021	2020-21
<b>17</b>	Devulapalli Sudheer Anupama Potti Vishalakshi Akula, <b>Somula Ramasubbareddy</b> Md.Sameeruddin Khan	Smart Waste Segregation Based on Microwave Radar Signals and Deep Learning Models	India	Indian Patent Authority	202141 025384	Published on 25/06/2021	08/06/2021	2020-21
<b>18</b>	Dr R.Krishnamoorthy, Dr.S.Padmaja,Ruc hi Yadav,Shelly Sinha,Dr Sachin Bhat, <b>Dr.G.Madhu,</b> Dr Roopa.H, Dr Sandipann Prahlad Narote,Abhilasha sandipann, Dr.Jagadeesh Kumar Ega, Dr Ahmed Mateen,Mahesh Kumar A S.	Deep learning based recursion of abnormality scenarios for computer vision based HAR Systems	India	Indian Patent Authority	202141 024137	Published on 25/06/2021	31/05/2021	2020-21

19	Mr.B.Srikanth Reddy, Dr.Sumeet hangargi, Dr.E.Kavitha, Dr.lakshmi P,Mr.D.Saravanan, <b>Mr.Kolli Srinivas,</b> Dr.D.Stalin David,Mrs.S.Delvarani,Mr.S.Samiur Rehman,Mrs.Mallika Chowdary Chirumamilla, Dr.G.Adilakshmi.	REAL TIME PEDESTRIAN CROSSING DETECTION USING DEEP LEARNING	India	Indian Patent Authority	202141029987	Published on 09/07/2021	04/07/2021	2021-22
20	<b>Dr.Yelpi.Usharani,</b> Dr.G.Sudhakar,K. Lakshmi Sowmya.	Method and system for predicting breast cancer disease using Data Mining and Deep Learning Techniques	India	Indian Patent Authority	202141035028	Published on 13/08/2021	04/08/2021	2021-22
21	<b>Dr.B.V.Sesha Kumari,</b> Dr.A.Giri Prasad, <b>P.Bala kesava Reddy,</b> <b>Dr.N.Mangathayaru,</b> Dr.Ramesh Chandra	A Novel Machine learning tool and approach/method for Telugu dependancy parsing using combinatory categorical Grammar	India	Indian Patent Authority	202141035028	Published on 01/10/2021	23/09/2021	2021-22
22	Dr.Rabinarayan Satpathy,Prof.Bibhuti Bhusandas,Dr.Yelpi Usharani,Dr.k.Suneetha.	An IOT COVID patient Health monitoring System	India	Indian Design Patent Authority	354413-001	<b>Granted on 11/01/2023</b>	06/12/2021	2021-22
23	<b>Dr.Madhu Golla,Mrs.Naga Chandrika Gogulamudi,</b> Dr.Vimal Bhatt,Dr.Pankhaj Pathak	AI Based smart pulse oximeter	India	Indian Design Patent Authority	356667-001	<b>Granted on 14/03/2023</b>	13/01/2022	2021-22

24	D.Dakshyani Himabindu	Method for prediction of Angina Pectoris based on the user input or dataset	India	Indian Patent Authority	202241044523A	Published on 19-08-2022	04/08/2022	2022-23
25	<b>Dr.G.Madhu,</b> .Dr.Ramujee Kolli,.Pooja Sadula	AI Based Prediction model, method for the comprehensive strength of JIO Polymer concrete	India	Indian Patent Authority	202241057660	<b>Granted on 27/11/2023</b>	08/10/2022	2022-23
26	<b>Dr.Yelpi Usha Rani,</b> Dr,tamilvizhi .T,Ms.Vinitha Rohilla,Dr.m.N.Saravana kumar	Computer based device for blood detection used breath analysis	India	Indian Design Patent Authority	380599-001	<b>Granted on 22/05/2023</b>	02/03/2023	2022-23
27	Dr.Vijaya Saraswathi R,Dr.R.Vasavi,Dr.M.Gangappa,G.Laxmi Deepthi, <b>Dr.B.V.Seshu Kumari,</b> B.ganesh Babu,Dr.A.Giri Prasad,K.Aruna Kumari,N.Sravani, K.jaya Jones	A Restorative remedial solution for leaf disease detection using convolutional neural networks	India	Indian Patent Authority	202341031696	Published on 16/06/2023	04/05/2023	2022-23



<b>28</b>	D. Dakshyani Himabindu Ch.Srilakshmi, B.Raswitha J.Sravanthi	System and Model for Intelligent content rating estimation using Machine Learning	India	Indian Patent Authority	202341 084537	Published	11/12/202 3	2023-24
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