



VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

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Department of Information Technology Index Academic Year 2017-2023

PATENTS DETAILS

S.No	Academic Year	No. of Indian Patents Published	No. Patents Granted	No. of Australian Innovation Patents Granted	Grand Total
1	2022-2023	4	3		6
2	2021-2022	5	2		7
3	2020-2021	12		3/12	12
4	2019-2020	2			2
5	2018-2019	3			3
6	2017-2018	1			1
	Total	27	5		31

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, Dr. ANNALURI SREENIVASARAO, Dr. ATTILMANKATARAMANA'	A Novel pixel based method for satellite image classification	India	Indian Patent Authority	201841019513	Published	24/05/2018	2017-18
2	Vangipuram Radhakrishna,P. V.Kumar, Vinjamuri Janaki,Arvind Cheruvu	System and method to generate time-profiled temporal pattern tree	India	Indian Patent Authority	201841045647	Granted 26/05/2022	03/12/2018	2018-19
3	Annaluri Sreenivasa Rao,, Dr. Anitha Patil, 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	03/01/2019	2018-19
4	Annaluri Sreenivasa Rao , DR. ANITHA PATIL, DR. ATTILI VENKATARAMANA	IOT-traffic system: iot based intelligent traffic, transport	India	Indian Patent Authority	201941004416	Published	04/02/2019	2018-19

	, DR. P. UDAYAKU M AR , DR. P. SANTOSH KUMAR PATRA, DR. V. ANANDAM , DR.GANTI NAGA SATISH , B. MADHURAV A NI, DR. M. SHANMUKHI	management System						
5	V.Radhakrishna G. Rajeshkumar G. Sureshreddy N. Mangathayaru V. Sravankiran	System and method for diagnosis of diseases from medical images	India	Indian Patent Authority	202041020407	Granted 21/01/2022	14/05/20	2019-20
6	Raswitha Bandi,Raswitha Bandi,Mrs. SAMEERA DIVANU, Mrs. VEDAVATHI K , Mrs. ADLURI. VIJAYA LAKSHMI , Mrs. SWETHA KODURI , Mrs. SATYA KIRANMAI TADEPALLI , Mrs. SWATHI SOWMYA BAVIRTHI , Mrs. GNYANADEEP A YAGANTI , Mrs. PATTEM	IML- traffic prediction: intelligent traffic prediction using machine learning.	India	Indian Patent Authority	202041027655	Published	30-06-20	2019-20

7	Dr.N.Sudhakar Yadav, Dr. P.Ezhumalai ,Dr.M.Rajkumar ,Dr.B.Kalpana ,Mr.K.Chittibabu , Dr.P.Shobha Rani,Mrs. K.Balasaranya	An Air Gesture Based System For Communicating Between Multiple IOT Device	India	Indian Patent Authority	202041030653	Published	18-07-2020	2020-21
8	S.Sankar, Somula Ramasubbareddy, T.Aditya Sai Srinivas, P. Vinoth kumar	Smart Women Anti-violence Device			202041032421	filed	29/7/2020	2020-2021
9	Dr.N.Sudhakar Yadav,Mr.Balak esava Reddy,Dr.G.Sreenivasulu,Dr.Rajendra Chadalawada,Prof.Kuthadi venu Madhav,Dr.B.Sujatha,Dr.Ganti Krishna Sharma,Dr'Searaj Rajalakshmi,Dr. Abhishek Ranjan,Mrs.N.Thulasi Chitra	A proficient method for categorical data clustering	India	Indian Patent Authority	202041035585	Filed	18-08-2020	2020-21
10	Tabassum, Nazia; Harinath, K.; Sree, Divya N.; Reddy, T. Rama; Masina, Venkata Rajesh; Ramana, Attili Venkata; Rao, Annaluri Sreenivasa; Kumar, Rajaboina Raja; Shanmukhi, M. And Reddy, N Chandra Sekhar	Dima-dataset discovery: dataset discovery in data investigative using machine learning and AI-based programming	Australia	Australia Patent	2020101987	Published	26/08/2020	2020-2021

11	Dr.D.Srinivasa Rao, CHALLAGUN DLA RAMESH BABU ,VANGIPURA M SRAVAN KIRAN,RAJA SEKHAR NUVVUSETT Y, LALITH BHARADWAJ BARU	Method for Detecting health condition in plants using an aerial device based on deep learning approach	India	Indian Patent Autho rity	202041 043102	Publish ed	05-10-20 20	2020-2021
12	Keesara Srvanathi, DR. S.JANARDHA NA RAO, DR VIJAY KUMAR BURUGARI,D R. R. SHANKAR,D R PRABHA SELVARAJ , MS. M. RAJANI DEVI , ,DR. M. PRAVIN KUMAR, DR. L.KOTESWAR A RAO, DR. K.CHANDRA PRABHA ,NAGARJUNA MALLADHI	An IOT based automatic fatigue and health monitoring system during travel	India	Indian Patent Autho rity	202041 043131	Publish ed	05/10/20 20	2020-21
13	KOLLI SRINIVAS ,ILLA PAVAN KUMAR ,ANAND KUMAR SHARMA ,PARVATHALA BALAKESAVA REDDY ,.	IUML-stock prices predictor Intelligent Stock prices Predictor using Machine learning	India	Indian Patent Autho rity	202041 045968	Publish ed	22-10-20 20	2020-2021

	PEDDARAPU RAMAKRISHN A							
14	Mrs.D.Dakshaya ni himabindu,D.Da kshayani himabindu,Dr Noor Ul Asrar Beg,Dr Sarfaraj Masood,Dr V Nagaveni,Dr G.Gnana Selvi,DrKolchin a Srinivas,Dr K. Sashidhar,Dr Ahmed Sajjad Khan,Prof Aswala Mohan,Dr Mohammed Yousuf Khan,Mr Mohammad Yousuf,Dr Himanshu Aggarwal,Dr Rinkle Rani,Dr Aman Sharma,Dr Pasupuleti Subrahmanya Ranjit,Dr Kamal Gulati,Dr Narinder Kumar bhasin, Mr G Divakara Reddy	An Artificial Intelligenc e based system to identify the medical condition prior to doctor consultatio n	Austr alia	Australia Patent	202010 3509	Published	18-11-20 20	2020-21
15	Dr.N.Mangathay aru,Dr. Dr.K.SUDHA RANI, Dr. R.MANJULA SRI, Dr.T.NIREEKS HANA, Dr. SHUCHI TIWARI, K.MANI KUMARI, Dr. N. SANDHYA, K.VIJAY CHANDRA,NA REGALKAR	Motorized Ankle foot Driven customized prosthetic leg with Exoskeleto n	India	Indian Patent Authority	202141 016519	Published	08-04-20 21	2020-21

	AKSHAY, Dr.A.GIRIPRAS AD							
16	Devulapalli Sudheer Anupama Potti Vishalakshi Akula Somula Ramasubbareddy Md.Sameeruddin Khan	Smart Waste Segregation Based on Microwave Radar Signals and Deep Learning Models	India	Indian Patent Autho rity	202141 025384	Publish ed	08/06/20 21	2020-21
17	Dr.G.Madhu, Dr. R. Krishnamoorthy, ,Dr. S. Padmaja,Keshav Ruchi Yadav, Shelly Sinha, Dr. Sachin Bhat , Dr. Roopa.H, Dr. Sandipann Pralhad Narote, Abbhilasha Sandipann Narote, Dr. Jagadeesh Kumar , Dr. Ahmed Mateen, Mahesh Kumar A S.	Deep learning based recursion of abnormality scenarios for computer vision based HAR Systems	India	Indian Patent Autho rity	202141 024137 A	Publish ed	25/06/20 21	2020-21
18	Dr.RabinarayanS atpsthy Prof.Bibhuti Bhusan Dash Dr.Y.Usharani Dr.K.Suneetha	An IOT COVID PATIEN T HEALTH MONITORIN G SYSTEM	India	Indian Patent Autho rity	354413 -001	Publish ed on 6.12.21	11-01-20 21	2020-2021
19	KOLLI Srinivas,Mr B.Srikanth Reddy,Dr Sumeet Hangargi,Dr E Kavitha,Dr Lakshmi P,Mr.D.Saravana n,Dr D Stalin	REAL TIME PEDESTRI AN CROSSING DETECTIO N USING DEEP LEARNING	India	Indian Patent Autho rity	202141 029987	Publish ed	04-07-20 21	2021-2022

	varani,Mr.S.Sam iur Rehman,Mrs.Ma llika Chowdary Chirumamilla,Dr G Adi Lakshmi.							
20	Dr. Y.Usharani, Dr G Sudhakar, K.Lakshmi Sowmya	Method and system for predicting breast cancer disease using Data Mining and Deep Learning Techniques	India	Indian Patent Autho rity	202141 035028	Publish ed	04-08-20 21	2021-22
21	Dr.G.Madhu	AI Based smart pulse oximeter	India	Indian Patent Autho rity	356667 -001	Filed Grante d	13/01/20 22 14/03/20 23	2021-22 2022-23
22	Vangipuram Radhakrishna,P. V.Kumar,Vinjam uri Janaki,Arvind Cheruvu	System and method to generate time-profiled temporal pattern tree	India	Indian Patent Autho rity	201841 045647	Grante d 26/05/2 022	03/12/20 18	2018-19 2021-22
23	Dr.B.V.Seshu Kumari, Dr.A. Giri Prasad, Mr.P.BalaKesava Reddy, Dr.N.Manga Thayaru, Dr.Ramesh Chandra, Dr.D Kalyani	A Novel Machine Learning tool and approach / method for Telugu Dependency Parsing using Combinatory Categorical Grammar	India	Indian Patent Autho rity	202141 043101 A	Publish ed(01/1 0/2021), Await ing Reques t for Exami nation	Oct. 2021	2021-2022
24	D.Dakshyani Himabindu,G. Uday Bhaskar,M.Sanja y,N.Saivandana, V.Dhanu sri	Method for prediction of Angina Pectoris based on the user input or dataset	India	Indian Patent Autho rity	202241 044523 A	Publish ed on 19-08- 2022	04-08-20 22	2022-23
25	Dr.G.Madhu. Dr.Ramujee Kolli, Pooja Sadula	AI Based Prediction model,method for the comprehive strength of	India	Indian Patent Autho rity	202241 057660	Publish ed	08-10-20 22 21-10-20 22	2022-2023

		JIO Polymer concrete						
26	Dr Rabinarayan Satpaty, Prof Bihuti Bhushan Das, Dr Yelepi Usha Rani, Dr K Suneeta	AN IOT Covid Patient health Monitoring System	India	Indian Patent Authority	354413-001	Published on 11.01.2023	06.12.2021	2022-23
27	Dr. Yelepi Usha Rani, Dr. Tamilvizhi, Ms. Vinita Rohilla, Dr. M.N. Saravana Kumar	Computer Based Breath Analysis Device for Blood Sugar Detection	India	Indian Patent Authority	380599-001	Published on 2.3.2023 Granted 22-05-2023		

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Index

S.No	Academic Year	No. of Copy Rights
1	2021-2022	3
2	2020-2021	6
3	2019-2020	0
4	2018-2019	7
5	2017-18	2
	Total	18



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Department of Information Technology Copyright Details

S.NO	Name of the Faculty member	Copyright Article Title	Period	Academic Year	Remarks
1	Swathi Sambangi	Multiple Linear Regression Prediction Model for DDOS Attack Detection in Cloud ELB	14 Th March 2022 3/14/2022. ICEMIS'21 : The 7th International Conference on Engineering & MIS 2021	2021-22	3/14/2022.IC EMIS'21: The 7th International Conference on Engineering & MIS 2021
2	Vangipuram Radhakrishna, Sra van Kiran Vangipuram	Design and Analysis of activation functions used in deep	Oct 11-13,2021	2021-22	ICEMIS'21

		learning models			
3	Gunupudi Rajesh Kumar, Dr A Sreenivasa Rao	Scene Recognition and Narration from Video using Deep Learning Techniques	Oct 11-13,2021	2021-22	ICEMIS 21,OCT 11-13,2021,Almaty,Kazakhstan
4	Vangipuram Radhkrishna	Study of Detection of DDoS attacks in cloud environment Using Regression Analysis	April 5-7,2021	2020-21	DATA'21
5	Vangipuram Radhkrishna	Similarity Association Pattern Mining in Transaction Databases	April 5-7,2021	2020-21	DATA'21
6	Radhkrishna Vangipuram	A Survey of Similarity Measures for Time stamped Temporal Datasets	April 5-7,2021	2020-21	DATA'21
7	Vangipuram Radhkrishna, Gunudi Rajesh Kumar	Design of Gaussian Similarity Measure for Network Anomaly Detection	April 5-7,2021	2020-21	DATA'21
8	Vangipuram Radhkrishna	Regression analysis for network intrusion detection	April 5-7,2021	2020-21	DATA'21

9	Vangipuram Radhakrishna	Fuzzy Feature Similarity Functions for Feature Clustering and Dimensionality Reduction	April 5-7,2021	2020-21	DATA'21
10	G Rajesh Kumar	Similarity function for intrusion Detection	June 6-8,2019	2018-19	ICEMIS'19
11	Vangipuram Radhakrishna	NIRNAYA M-Fusion of iterative rule based decisions to build decision trees for efficient classification	June 6-8,2019	2018-19	ICEMIS'19
12	Vangipuram Radhakrishna	Tree based data fusion approach for mining temporal patterns	June6-8,2019	2018-19	ICEMIS'19
13	Vangipuram Radhakrishna	Krishna Sudarsana-A Z-Space similarity Measure	June 19-21,2018	2018-19	ICEMIS'18
14	Vangipuram Radhakrishna, Gali Suresh Reddy	MANTRA- A Novel imputation for disease classification and prediction	Oct 1-2,2018	2018-19	DATA'18
15	Vangipuram Radhakrishna	ULTIMATE-Unearthi ng latent time profiled Temporal	Oct 1-2,2018	2018-19	DATA'18

		Associations			
16	Vangipuram Radhakrishna	KAALA VRKSHA- Extending VRKSHA for time profiled temporal association mining	Oct 1-2,2018	2018-19	DATA'18
17	Vangipuram Radhakrishna	Sequential Approach for mining of Temporal itemsets	June 19-20'2018	2017-18	ICEMIS'18
18	V.Radhakrishna	VRKSHA- A Novel multi-tree based sequential approach for seasonal pattern mining	June 19-20,2018	2017-18	ICEMIS'18

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