



VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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College with Potential for Excellence by UGC, JNTUH-Recognized Research Centres:CE,EEE,ME,ECE,CSE
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Department of Electronics and Communication Engineering

List of Intellectual property rights (IPRs) and Status

Total no. of IPRs filed – 27

- **Granted IPRs – 09**
- **IPRs to be granted – 18**

Year-wise details of List of IPRs and Status

S.No	Year	No. of IPRs	Granted IPRs	IPRs to be granted
1.	2023-24	4	2	2
2.	2022-23	8	3	5
3.	2021-22	6	1	5
4.	2020-21	6	2	4
5.	2019-20	2	0	2
6.	2018-19	1	1	0
Total		27	9	18

Details of IPRs and their current Status

S.No.	Name of the Inventors	Title of invention	IPR File Number & Date of Filing	Status
AY 2023-2024 (Total no.of IPRs – 04, Granted IPRs – 02, IPRs to be granted - 02)				
1.	Dr. Kandala Kalyana Srinivas, Dr. Yangala Chalapathi Rao, Dr. Rajendra Prasad Somineni	Dual Radio Frequency Receiver Antenna Cum Solar Panel	Design number: 6319495 Registration date: 17/10/2023	Granted Design Grant date: 23/10/2023
2.	Dr.Y.Chalapathi Rao Dr.L.V.Rajani Kumari Dr.V.Sagar Reddy Dr.Ch.Anil Kumar	Solar Smart Irrigation System	Design number: 6300971 Registration date: 02/08/2023	Granted Design Grant date: 16/08/2023
3.	Dr.K. Archana Bhange	Knowledge-Based Intelligent system For Design Thinking	202341052678 & 04/08/2023	Awaiting Request for Examination
4.	Dr. A. Sai Kumar Dr. N.Neelima	Efficient prime bit Vedic multiplier for double precision floating point numbers	202341051131 & 29/07/2023	Awaiting Request for Examination
AY 2022-2023 (Total no.of IPRs – 08, Granted IPRs – 03, IPRs to be granted - 05)				
1.	Ms.K.Aruna Kumari	Restorative remedial solution for leaf disease detection using Convolutional neural networks	202341031696 & 16/06/2023	Application Awaiting Examination
2.	Dr.Y.Chalapathi Rao Dr.L.V.Rajani Kumari Dr.V.Sagar Reddy Mr.V.Naveen Kumar Mr.Ch.Anil Kumar	Security System for Women Safety and Real-Time Monitoring	202341018492 & 18/03/2023	Awaiting Request for Examination
3.	Dr.Y. Chalapathi Rao Dr.D. Santhosh Kumar	Artificial Intelligence based analysis of smart agriculture system using embedded IoT	202341018956 & 21/03/2023	Awaiting Request for Examination
4.	Dr.C.Dhanunjaya Naidu	Automatic Airlock Prevention System And Method Thereof	201841022148 & 13-06-2018	Granted Patent, Patent Number:419561 Certificate issue on 30/01/2023
5.	Dr.V.Krishnasree, G Sahitya,	Healthcare Support Management System	202241066491 &	Awaiting Request for

	V.Alekhya, N.Neelima, A.Pravallika, P.Sureshababu, C. Kaushik, B. Shabharinath M.Bhagyalakshmi Dr.A.SaiKumar	Using The IOT-Based Blockchain Platform.	19/11/2022	Examination
6.	Dr.C.Dhanunjaya Naidu	An integrated computing system and a process to generate the driver safety index for preventing automobile accidents	5246/CHE/2012 & 17-12-2012	Granted Patent, Patent Number: 412679 Certificate Issue on 28/11/2022
7.	Dr.D.N. Rao, Dr.C.Dhanunjaya Naidu, Mr.V.Naveen kumar,	A wire-less system to reliably control a large network of street lighting systems from a central location through FM broadcast	5244/CHE/2012 & 17-12-2012	Granted Patent, Patent Number: 411012 Certificate Issue on 07/11/2022
8.	Dr.Y.ChalapathiRao, V.NaveenKumar, Dr.VSagar Reddy	AI and IOT based miniature circuit breaker	202241052573 & 14/09/2022	Reply Filed. Application in amended examination.

AY 2021-2022

(Total no.of IPRs – 06, Granted IPRs – 01, IPRs to be granted - 05)

1.	Mrs. B. Alekhya Mrs. Y.Manasa	A Machine Learning Approach For IOT Device Identification Based On Network Traffic Analysis And Method Thereof	202241035060 & 18/06/2022	Awaiting Request for Examination
2.	Dr. Nagadeepa choppakatla	Design and Implementation Of IOT- Enabled Agribot For Smart Farming	202241031614 & 02/06/2022	Awaiting Request for Examination
3.	Dr.Y Chalapathi Rao	Intelligent Wearable Brain Machine Interface To Assist Paralyzed People	202241011680 & 03-03-2022	Awaiting Request for Examination
4.	Dr. Ranjan K Senapathi	Intelligent caregiver wireless monitor and motion sensor for safe home system applicable for elderly people	202241008796 & 19/02/2022	Awaiting Request for Examination (V)
5.	Dr. Ranjan K Senapathi	A Algorithm Based on Deep Learning for the Detection of COVID-19 Infections	202241000074 & 02/01/2022	Awaiting Request for Examination (V)

6.	Dr. Y Chalapathi Rao Dr. L V Rajani Kumari Dr. V Sagar Reddy	IoT Based Smart Electrical Power Plug	2021105184 & 09-08-2021	Granted Patent on 30-03-2022
AY 2020-2021 (Total no.of IPRs – 06, Granted IPRs – 02 , IPRs to be granted - 04)				
1.	Mrs. Narra Dhanalakshmi Mrs. J. L.V. Ramana Kumari Mrs. K Jyostna	I-Mobile Charger: Automatic Disconnect The Charger If Mobile Battery Status-97%	202141024094 & 31/05/2021	Awaiting Request for Examination
2.	Mr. R.Sravanth Mr.K. Kalyana Mr.Peddi Anudeep Dr. Y Padma sai Mrs.Priyanka Mrs. Dharmateja Dr.P.Kishore Mr.Vijayakumar Dr.Rajendraprasad K.Sharath	Method For Characterization Of A Subject's Attention And Meditation Using Brain Computer Interface For Real Timehealthcare Monitoring	202141018928 & 23-04-2021	Awaiting Request for Examination (V)
3.	Dr.D.N. Rao, Dr.C.Dhanunjaya Naidu, Mr.V.Naveen kumar,	An intelligent and intuitive signaling system for motor vehicles to minimize road accidents	5245/CHE/2012 & 17-12-2012 Granted on 20-03-2021	Granted Patent, Patent Number:362271 Date Of Certificate Issue: 20-03-2021
4.	Dr. Sravanth Kumar Ramakuri	Machine learning based network intelligentization for automatically- configurable Cellular communication systems	2020103373 & 11-11-2020 Granted on 13-01-2021	Granted Patent on 13-01-2021
5.	Mr. D. Ramesh Reddy	Sheltered Driving System For Automotive Vehicles For Streamlined Operation On Roads With Adherence To Extant Rules And Regulations	202041045360 & 19/10/2020	FER Issued, Reply not Filed (V)
6.	Mr. K. Kalyana Srinivas, Mr. P. Anudeep	Acoustic echo cancellation algorithm for channel estimation in fully scheduled precoder based POMA structured LTE network	202041044247 & 11-10-2020	Awaiting Request for Examination
AY 2019-2020 (Total no.of IPRs – 02, Granted IPRs –00 , IPRs to be granted -02)				
1.	Mr. K. Kalyana Srinivas, Mr. P. Anudeep,	Cloud attenuation system and method to provide cloud attenuation statistics	202041006391 & 14-02-2020	Awaiting Request for Examination

	Mr. R. Sravanth Kumar	and atmospheric absorption coefficient		
2.	Mr. R.Sravanth Kumar, Dr. Y Padma sai, Mr.Peddi Anudeep, Mr.K. Kalyana Srinivas	Brain computer Interface (BCI) based system and method for Characterizing behavior state of a subject	201941050636 & 08-12-2019	FER Issued, Reply not Filed
AY 2018-2019 (Total no.of IPRs – 01, Granted IPRs –01 , IPRs to be granted -00)				
1.	Mr. SVN Narayana Rao, Mr. V. Naveen Kumar, Dr. Y. Padma Sai	A System For Analyzing Risk Associated With Cough Sounds	201741045066 & 14-12-2017 Granted on 27-02-2019	Granted Patent, Patent Number:308156 Date of Date Of Certificate Issue: 27-02-2019