

ACHARYA NAGARJUNA UNIVERSITY, GUNTUR, ANDHRA PRADESH, INDIA

(Number of **Patents** published/awarded during the last five years)

S.No	Name of the Patenter	Patent Number	Title of the Patent	Year of Patent of award
1	Dr. Kamepalli Sujana	445779	Method Development and Validation of Simultaneous Determination of Multi Vitamin Capsule by RP-HPLC	2023
2	Mr P Yugandhar Reddy	202341029113 A	Implementation of Data mining in precision Agriculture	2023
3	Dr. U Sathish Kumar	202341029113 A	Implementation of Data mining in precision Agriculture	2023
4	Dr V Balaji	202341029113 A	Implementation of Data mining in precision Agriculture	2023
5	Dr K Chaitanya	202341029113 A	Implementation of Data mining in precision Agriculture	2023
6	Prof. R.Sivarama Prasad Dr. P.Mohan	366305-001	A smart device to monitor and analyse the productivity of the employee by tracking activities and using IOT	2022
7	V. Krishna Naik	356425-001	Heavy Metal Contamination Detecting Gloves	2022
8	Dr.Sk.Mastanamma	202041037143	Poly Hydroxy Ligomer Coated Dolutegravir Aquasomes and Method thereof	2022
9	Dr.K.Sujana	201741017389	A Rp-Uplc Method For Simulataneous Estimation Of Sacubitril And Valsartan In Bulk And Tablet Dosage Form And Uses There Of	2022
10	Dr.K.Sujana	202241006863	In-Silico Design, Eco-Friendly Synthesis, Characterization And Biological Evaluation Of Novel 2- Azetidinone Bearing Derivatives For Anti-Leukamic, Anti-Inflammatory And Anti-Oxidant Activity	2022
11	B.Purna Chandra Sekhar	48/2022	Design And Fabrication Of Solar Grass Cutter	2022
12	B.Purna Chandra Sekhar	366230-001	Solar Powered Agriculture Vehicle	2022
13	Dr.R. Vijaya Prakash	48/2022	Design And Fabrication Of Solar Grass Cutter	2022

14	Dr.Ch.Ravi Kumar	202241040266 A	Microgrid Line Loss Abnormality Management Under Grid Environment	2022
15	Dr.Ch.Ravi Kumar	202241022833 A	Automatic fault diagnosis of BLDC motors by motor current data using machine learning	2022
16	D.Chandra Mouli	202241040719	Co2 Emission And Cost effective Construction Effect In Recycled Aggregate Utilized For Nonstructural Building Materials	2022
17	Dr.G.Prathibha	202241063765	A computer Vision and Artificial Intelligence Based Image Pattern Recognition System and Method There off	2022
18	Miss. G.Padma Ratna	202241009174A	Method and System for Development of Phased Array Antenna For Multiband Applications using HFSS	2022
19	Dr.B.S.Naga Kishore	202241022858A	Method of Detecing Epilepsy using Machine Learning (ML) and Optimization Techniques	2022
20	Dr.B.S.Naga Kishore	202241011732A	Method and System for Detecting Important episodes of ECG Based on Deep Learning Techniques	2022
21	Dr.B.S.Naga Kishore	202241007620A	Method and System for Implementing Improved Generalized Fuzzy peer Group with modified Trilateral Filter to Remove Mixed Impluse and Adaptive white Gaussian Noise from Color Images	2022
22	Prof E Sreenivasa Reddy	202241065809 A	Longitudinal Slots Array Etched Substrate Integreated Waveguide Antenna with Sector Beam Pattern for 5G Applications	2022
23	Prof E Sreenivasa Reddy	CBR212546 A	A Frequency Selective Antenna For Electromagnetic Shielding Of Telemetry Devices	2022
24	Prof E Sreenivasa Reddy	202241007620 A	Method And System For Implementing Improved Generalized Fuzzy Peer Group With Modified Trilateral Filter To Remove Mixed Impluse And Adaptive White Gaussian Noise From Color Images	2022
25	Prof E Sreenivasa Reddy	202241011732 A	Method And System For Detecting Important Episodes Of Ecg Based On Deep Learning Techniques	2022
26	Prof E Sreenivasa Reddy	202241022858 A	Method Of Detecting Epilepsy Using Machine Learning (MI) And Optimization Techniques	2022

27	Dr. Gopi Krishna Mallarapu	2022/07203	A Novel brain control headset wheel chair automation system for disabled children	2022
28	Dr. Gopi Krishna Mallarapu	202141001560 A	A Magnesium-Based Composite Biomaterial With Improved Corrosion Resistance	2021
29	Dr. B. Hari Babu	202141052124	Nanoparticles based compositions having nucleic acids and cationic copolymers	2021
30	Dr. B. Hari Babu	202141051870	Three-dimensional nanoparticulate drug delivery guidance system and method thereof.	2021
31	Dr.D. Ramachandran	202141017340A	Application of Ethyl Acetate with 1-butyl-3-methylimidazoliumBis (Triflurmethylsulfonyl) Imide in automobile Industry to Reduce Freezing Point.	2021
32	Dr. Amrutha Valli,	355347	Isolation, characterization and mass production of chloroxanthomycin with anti-cancer and antibiotic activity Indian patent	2021
33	Ch. Pradyutha, A and V. Umamaheswara Rao	2020103945	EPBP- <i>Euphorbia milii</i> : Evaluation of Phytoconstituents and Bioactivity Potential of <i>Euphorbia milii</i> Des Moil. aerial parts	2021
34	Dr. U. Surya Kameswari	202141048455	Person Gender and Age determination using deep learning techniques in Real Time	2021
35	Touseef Ahamed Mohammed	329718-001	Chain Dragging Boat	2021
36	Touseef Ahamed Mohammed	344392-001	A Device To Remove And Collect Water Hyacinth	2021
37	Touseef Ahamed Mohammed	344393-001	Beach Cleaning Machine	2021
38	Touseef Ahamed Mohammed	329718-001	Chain Dragging Boat	2021
39	Touseef Ahamed Mohammed	344392-001	A Device To Remove And Collect Water Hyacinth	2021
40	Touseef Ahamed Mohammed	344393-001	Beach Cleaning Machine	2021
41	Prof E Sreenivasa Reddy	202141041426 A	Mutual Coupling reduction using Dielectric resonator in twinned element MIMO antenna	2021

42	Prof E Sreenivasa Reddy	2021103865	Forensic Tool for the Semantic-Based Image Retrieval System	2021
43	Prof E Sreenivasa Reddy	202141034149 A	Design Of Anisotropic Metasurface For Controlling Electromagnetic Wave Polarization	2021
44	Dr.B.S.Naga Kishore	202141041426A	Mutual Coupling reduction using Dielectric resonator in twinned element MIMO antenna	2021
45	Dr.B.S.Naga Kishore	202141034149A	Design of Anisotropic Metasurface for Controlling Electromagnetic Polarization	2021
46	Prof.P.Siddaiah	202141044677A	PAPR Reduction for FBMC Systems with Ant Bee Colony Optimization	2021
47	Dr. G.Murali Prof. R.Siva Rama Prasad	202141019309 A	A Frame work for Quantum Cryptography Based Secure Data Transmission Over Distributed Networks	2021
48	Dr. Ch. Punya sekhar	2021102184	An Artificial Intelligence based system for detection of COVID influence on human skin	2021
49	Dr. Ch. Punya sekhar	202141050407A	An AI Based EV Battery Charging Controller with Enhanced Battery Management	2021
50	Dr.Basavaiah Chandu	202041032699	Process of Preparation and Purification of Pentamidine Isothionate	2020
51	Dr. B. Hari Babu	202041032699	Process for preparation and purification of Pentamidine Isethionate	2020
52	Dr.K.E.Pravallika	202241061416	Method Development And Validation Of Encorafenib And Binimetinib In Rat Plasma By RP-HPLC	2020
53	Dr.K.Sujana	201741008867	Method development and validation of simultaneous determination of MultiVitamin Capsule by RP-HPLC.	2020
54	Dr. Ch. Punya sekhar	202041039172 A	Multimode wind turbine variable pitch angle control system using Electronic control system	2020
55	Dr.B.S.Naga Kishore	202041035215	Credit/Debit card Fraud Prevention: Intelligent Process to Prevent Credit/Debit Card Fraud using Machine Learning	2020
56	Dr.B.S.Naga Kishore	202041035289	Ground Water Location Mapping Technique from Multivariable GIS datas using data Mining Methods	2020

57	Dr.B.S.Naga Kishore	2020101765	An IOT and artificial Intelligence based system for wheel Chair Control	2020
58	Dr.B.S.Naga Kishore	20201101637	A Method of Designing advertisement Boards Using Conductive 3D Printable Electric Sensors	2020
59	Dr.B.S.Naga Kishore	202041035254	IMD-CLIENT SEGMENTATION: Intelligent Client Segmentation Using ML and DI Programming	2020
60	Dr.B.S.Naga Kishore	202041038132	NAPR- Video Surveillance :A Novel Approach for Privacy Preserving in Real Time Video Surveillance Systems	2020
61	Dr.B.S.Naga Kishore	202041035254	IMOD - video Surveillance Systems: Intelligent Moving Object Detection Model in Video Surveillance Systems	2020
62	Prof E Sreenivasa Reddy	202041038132 A	NAPR-Video Surveillance Systems: A Novel Approach For Privacy Preserving In Real Time Video Surveillance Systems	2020
63	Prof E Sreenivasa Reddy	202041035254 A	IMOD- Video Surveillance Systems: Intelligent Moving Object Detection Model In Video Surveillance Systems	2020
64	Dr. Amrutha Valli, Dr. M. Sai Ram	2019 41052050	Isolation, characterization and mass production of chloroxanthomycin with anti-cancer and antibiotic activity Indian patent	2019
65	Dr.D. Ramachandran	201641017243	Design, Synthesis of Anti-microbial active new molecular entities of N-substituted gamma pipradols.	2018
66	P. Sudhakar	201641042107	Development of the Lateral Flow Assay (Dip Stick) and Sandwich dot-ELISA for Rapid Onsite Field deployable Detection of the Vip3A Bt-Toxin in Bt-Cotton and Bt-Corn Seeds	2018