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(Permanent Affiliation by Andhra University & Approved by AICTE
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Patents Published /Granted

S. No	Department	Name of the faculty	Academic Year	Date of Published/Granted	Category	Application No	Title of the Invention	Status
1	CSE	Dr. M. RamaKrishna Murthy	2018-2019	05.12.2018	Patent	700245313	System and Method For Distributed Block Chain	Published
2	CSE	Dr. R.Sivaranjani	2019-2020	29.05.2020	Patent	202041020444 A	System and Method for Dynamic Group Key Agreement based on Blockchain Smart contract centric computing	Published
3	CSE	Dr. R.Sivaranjani	2020-2021	31.07.2020	Patent	202041031039 A	System and Method for Multiple Group Session Key Agreement Based on Block Chain Smart Contract Centric Computing	Published
4	EEE	Mr. M. Dhananjaya	2020-2021	13.11.2020	Patent	202041046063	A Circuit And A Method for Direct Current - Direct Current (DC-DC) Conversion	Published
5	CSE	Dr. K. Selvani Deepthi and Dr. K.Suresh	2020-2021	25.12.2020	Patent	202041055099	Flexible Spacesuit Hand Gloves	Published
6	CSE	Dr.R.Sivaranjani	2020-2021	20-05-2020	Copyright	L-91296/2020	Intelligent Self-Driven Multiple shared Algorithm	Published

7	CSE	Dr.R.Sivaranjani	2020-2021	05-08-2020	Copyright	L-93401/2020	Quantum Dynamic Group Key Agreement Algorithm	Published
8	CHEMISTRY	Dr. Uppalapati Jyothi	2020-2021	01.01.2021	Patent	202041054492 A	Detachable Visor Wiper Apparatus for Helmets	Published
9	MECH	Dr. K Satya Narayana	2020-2021	03.03.2021	Patent	2020103242	Prevention of food harmfulness from production to customer for centralized kitchen facility using IoT	Granted
10	MECH	Dr. V. R. Lenin	2020-2021	26.08.2020	Patent	2020101637	A Method of Designing Advertisement Boards Using Conductive 3D Printable Electronic Sensors	Granted
11	MECH	Dr. K Satya Narayana	2020-2021	26.08.2020	Patent	2020101613	Collaborative Federative Learning Approach for Internet of Vehicles Traffic Prediction	Granted
12	MECH	Dr. K Satya Narayana	2020-2021	25.09.2020	Patent	202041040679	Rail Tracks and Bridge Corrosion Simulation Analysis Using Multi-Body Dynamics Approach.	Published
13	MECH	Dr. K Satya Narayana	2020-2021	03.07.2020	Patent	202041026400	Mechanism for Detection and Prevention of Water and Mud Inrush in Underground Construction Using Spatial Analysis	Published
14	MECH	Dr. K Satya Narayana	2020-2021	04.09.2020	Patent	202041036004	Method Composition of Porous Osteoconductive Scaffolds by 3D printing	Published
15	MECH	Dr. K Satya Narayana	2020-2021	05.06.2020	Patent	202041021310 A	Process of Developing Coatings for High Temperature	Published

16	Chemistry	Dr. R. Swaroopa Rani	2020-2021	03.03.2021	Patent	2020104378	Plastics & Packing Materials Management: Plastics and Non-Recyclable Packing Added Products as Per Requirements Materials Convert into a Value	Published
17	EEE	Mrs. T.V. Subhasini	2021-2022	02.09.2021	Patent	2021104394	Design of Solar Energy System with effective Extraction with Lab View Environment	Granted
18	EEE	Dr. R. Satish	2021-2022	04.08.2021	Patent	2021103722	A Power Flow Control Method for AC-DC Hybrid Power Grid	Granted
19	IT	D.Chandrika, Dr. Ram Prasad Reddy Sadi	2021-2022	24.06.2022	Patent	202241029399	Automatic Screening of Covid-19 from Lung Ultra Sound (LUS) images using deep neural Networks	Published
20	IT	CH.Demudu naidu	2021-2022	18.03.2022	Patent	202241013042 A	A Probabilistic Method for Reducing Impulse Noise in Digital Color Images	Published
21	IT	Chandrika Dadhirao	2021-2022	02.04.2022	Patent	202141055102	Design of Eco-Energy Efficient Routing Protocol to Build Green Wireless Sensor Networks	Published
22	IT	K. Sarada	2021-22	03.12.2021	Patent	202141052432	IOT SYSTEM FOR REMOTE MONITORING OF CONDITION OF DIKES FOR EARLY WARNING OF FLOOD	Published
23	IT	U Gauthami and Prof.P.Padmaja	2021-2022	10.12.2021	Patent	202141053772 A	Arid Land Monitoring and Applying Changes in Rural Areas to Resolve the Societal Issues using AI and IOT Technologies.	Published
24	MECH	Mr. R Vara Prasad	2021-2022	25.02.2022	Patent	355762-001	Integrated Airless Wheel	Published

25	IT	Prathi Naveena	2021-2022	05.11.2021	Patent	202141048070	IOT And Machine Learning Based Navigation Device For Blind	Published
26	IT	Dr. Ram Prasad Reddy Sadi	2021-2022	04.02.2022	Patent	202241005507	A System for positioning and placements of devices connected in IoT	Published
27	IT	Dr. Ram Prasad Reddy Sadi	2021-2022	21.04.2022	Design	360602-001	Cloud Monitoring Device for Solar Plant	Published
28	IT	Dr. Ram Prasad Reddy Sadi	2021-2022	25.01.2023	Patent	2022/04881	An Intelligent Coconut Harvesting System	Granted
29	EEE	Dr. Ch Varaha Narasimha Raja and Dr. T Narasimhulu	2021-2022	19.08.2022	Patent	202241046279	An AI Based Motion Estimation System Using Deep Learning	Published
30	EEE	Dr. G. Raja Rao and Dr. S. Balamurali	2021-2022	17.06.2022	Patent	202241028780	Switched Capacitor Based Multi-Level Inverter	Published
31	EEE	Mr. Satyanarayana Burada	2021-2022	15-07-2022	Patent	202241039576	Hybrid Renewable Energy System Covering Energy Storage Device Coordination Method	Published
32	CSE	Dr. S K A Manoj	2021-2022	01-10-2021	Patent	202141042389 A	Data Link Bridge (DLB++) for Securing the Data from Cryptanalysis	Published
33	IT	Dr. V.Suresh	2021-2022	04.03.2022	Patent	202241008661 A	A Novel Architecture for Early Detection of Brain Stroke	Published
34	Chemistry	Dr. R. Swaroopa Rani	2021-2022	15.07.2022	Patent	202241033642A	Method For Detection and Quantification of Target Biomolecules	Published
35	Physics	Dr K.Srinivasa Rao	2021-2022	06.08.2021	Patent	202141034639	Tungsten Oxide Nano Fiber Sensors in Agro-Horticultural Practices	Published

36	MECH	S.Phani Kumar	2021-2022	16.07.2021	Patent	202141030245A	Process of plastic waste for products of building materials with plastic extrusion method	Published
37	CSE	Usha bala V	2021-2022	24.11.2021	Patent	2021106807	products of building materials	Granted
38	CSE	Dr. Varanasi Usha bala	2021-2022	23-07-2021	Patent	202141031317A	with plastic extrusion method	Published
39	MECH	Dr. Rajesh Ghosh, J.V. Bhanutej	2022-2023	30.08.2022	Patent	202241047541	A Mouse for Printing Accountability	Published
40	MECH	Dr.M.Prasanth Kumar	2022-2023	10.06.2022	Patent	202241032604 A	Intelligent Headlight Brightness Auto-Adjustment System for Vehicle	Published
41	Physics	Dr T.Madhavi Latha	2022-2023	18.11.2022	Patent	202241060616	A composite nano material having Multifunctional nuclear shell structure drug carrier material and method thereof	Published
42	MECH	Ramya Pakalapati	2022-2023	09.12.2022	Patent	202241069328	Diesel Engine Emission Reduction using Catalytic Nanoparticles	Published
43	MECH	Ramya Pakalapati	2022-2023	09.12.2022	Patent	202241069324	Renewable Green Energy for Sustainable Development	Published
44	MECH	Ramya Pakalapati	2022-2023	09.12.2022	Patent	202241069326	Investigation on Emission Reduction Potential of Nickel and Zinc coated Catalytic Converters	Published
45	MECH	Ramya Pakalapati, Manepalli Sailaja	2022-2023	30.12.2022	Patent	202241075712	An Artificial Intelligence Based Wind Energy Storage and Electricity	Published

							Generating System and working method thereof	
46	ECE	Dr.P.Murugapandiyan	2022-2023	31.03.2023	Patent	202341019163 A	System For Artificial Intelligence-Based Transceiving Signal In 6G Wireless Communication Network	Published
47	Physics	Dr.S.J. Magarette & Dr.B.brahmaji	2022-2023	31.03.2023	Patent	202341020066	A method of preparing nanographene based photonics and optoelectronics	Published
48	Chemistry	Dr. Muddapu Padmalatha, Dr. Jyothi Uppalapati, Dr. Ramaraju Sarada	2022-2023	24.03.2023	Patent	202341007762 A	System and method for plant disease detection using neural networks	Published
49	CSE	Dr.Rohini Arunachalam, Mrs. Preeti Nutipalli, Mrs. Sreelahari, G Suryakala Eswari & B.Krishna, Dr. Sangeeta Viswanadham,	2022-2023	21.12.2022	Patent	2022/11727	A Method for Social Network Analysis To Quantify The Link Analysis In Social Network	Granted
50	CSE	Sajja Ratan Kumar	2022-2023	26-08-2022	Patent	202241046506 A	Designing an efficient Wireless Network Intrusion Detection and Prediction System with Alert Mechanism using Deep Neural Network Techniques	Published