

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, RAJAMPET
CONSOLIDATED REPORT OF R&D ACTIVITIES

List of Patent published & Granted by the faculty during-2023-24

S.No	Patent Application Number	Name of the Applicant (s)	Name of the Inventor (s)	Title of the Patent	Patent Filed Date (DD/MM/YYYY)	Date of Published (DD.MM.YY YY)	Patent Publication Number	Patent Granted Number and Date (DD.MM.YYYY)	Patent Granted Number	National/International	Assignee/s-Name (Institute Affiliation/s at time of Application)	Here, attach source of proof i.e. URL/website links, etc.
1	202341031272 A	Dr.Sandeep Chinta, Dr.K Abhimanyu Kumar Patro, Dr.C.J. Raman, Mr.G.Inbasakaran, Dr.K.Kalyani, Dr.D.Gouse Peera, Mr.Raju Bura, Ms.J.Jayalakshmi	Dr.Sandeep Chinta, Dr.K Abhimanyu Kumar Patro, Dr.C.J. Raman, Mr.G.Inbasakaran, Dr.K.Kalyani, Dr.D.Gouse Peera, Mr.Raju Bura, Ms.J.Jayalakshmi	AI-assisted image recovery for low dose CT scans	02-05-2023	16/06/2023	-	-	-	National	Annamacharya Institute of Technology and Sciences, Rajampet	-
2	202341034152	Rashmi Khambenour, Dr.Ashwini L K	Rashmi Khambenour, Dr.Ashwini L K	Study of corrosion inhibitors for industrial cooling systems	15-05-2023	16-06-2023	-	-	-	National	Annamacharya Institute of Technology and Sciences, Rajampet	-
3	6293876	Dr. Kadur Eranna Prakash, Deepthi Godavarthi, Vandana Ahuja, Mr. Vivek Kumar, Dr. Algubelly Yashwanth Reddy, Amit Tiwari, Dr. Dudekula Gouse Peera	Dr. Kadur Eranna Prakash, Deepthi Godavarthi, Vandana Ahuja, Mr. Vivek Kumar, Dr. Algubelly Yashwanth Reddy, Amit Tiwari, Dr. Dudekula Gouse Peera	Artificial intelligence based construction material testing unit	02-07-2023	11-07-2023	-	10-07-2023	-	International	Annamacharya Institute of Technology and Sciences, Rajampet	-
4	202311041526	Mohd. Bilal Khan, Dr. V. Mallikarjuna, Ms. Oshin Rajesh Victor, Kuldeep Pathak, Mohammad ParvejAlam, Ms. Anusuri Uma Maheswari, R. Vaishnava Kumar Dr. D. Sreenivasulu, Dr. C. Venkata Siva Rama Prasad	Mohd. Bilal Khan, Dr. V. Mallikarjuna, Ms. Oshin Rajesh Victor, Kuldeep Pathak, Mohammad ParvejAlam, Ms. Anusuri Uma Maheswari, R. Vaishnava Kumar Dr. D. Sreenivasulu, Dr. C. Venkata Siva Rama Prasad	Development of high strength light weight concrete with graphene oxide	19-06-2023	21-07-2023	-	-	-	National	Annamacharya Institute of Technology and Sciences, Rajampet	-
5	202341045934	Dr. A. Swetha, Dr. K. Suguna, Dr. P. N. Raghunath, Dr. K. K. Gaayathri, Dr. K. Mohammed Imthathullah Khan, Dr. J. Anita Jessie, Dr. D. Sreenivasulu, Abdul Ahad	Dr. A. Swetha, Dr. K. Suguna, Dr. P. N. Raghunath, Dr. K. K. Gaayathri, Dr. K. Mohammed Imthathullah Khan, Dr. J. Anita Jessie, Dr. D. Sreenivasulu, Abdul Ahad	Performance of steel fibre reinforcement concrete on pavements involving nano silica and zeolite	07-07-2023	01-09-2023	-	-	-	National	Annamacharya Institute of Technology and Sciences, Rajampet	-

6	202341051167	K. Sri Pranap, Riyaz Syed, Siddharth Jain, Dr. D. Sreenivasulu, Dr. Prabir Chandra Padhy, B A V Ram Kumar, Prof. Khurram Ashraf, Mohd Parvez Alam	K. Sri Pranap, Riyaz Syed, Siddharth Jain, Dr. D. Sreenivasulu, Dr. Prabir Chandra Padhy, B A V Ram Kumar, Prof. Khurram Ashraf, Mohd Parvez Alam	Experimental investigation on development of a concrete with waste glass sludge for sustainable construction industry	29-07-2023	01-09-2023	-	-	-	National	Annamacharya Institute of Technology and Sciences, Rajampet	-
7	6326338	Dr. Sreenivasulu Dandagala, Dr. Muralimohan Nithyanandam, Dr. Ayyakkannu Selvaraj, Nithya Mathivanan, Archana Murugan, Suganya Ramaswamy, Mohd Esa	Dr. Sreenivasulu Dandagala, Dr. Muralimohan Nithyanandam, Dr. Ayyakkannu Selvaraj, Nithya Mathivanan, Archana Murugan, Suganya Ramaswamy, Mohd Esa	Pollution prediction and alert system	16-11-2023	24-11-2023	-	23-11-2023	-	International	Annamacharya Institute of Technology and Sciences, Rajampet	-
8	6305801	Dr. Sivarami ReddyNarapureddy, Prof. Nimay Chandra Giri, Dr. Padma Lalitha Mareddy	Dr. Sivarami ReddyNarapuredd	AGRICULTURE DRONE FOR MONITORING AND SPRAYING PESTICIDES	25-08-2023	09-08-2023		-	-	International (UK)	Annamacharya Institute of Technology and Sciences, Rajampet, Kadapa, Andhra Pradesh, 516126	https://drive.google.com/file/d/1xutBxlFM-e2-yCoYei6CZvEtkp93mWAc9/view?usp=sharing
9	201641044048	Dommaraju, Krishna Mohan Raju	Dommaraju, Krishna Mohan Raju	EFFICIENT AIR CONDITIONING USING EVAPORATIVE COOLING COMBINED WITH MIXED TYPE COUNTER FLOW HEAT EXCHANGER	23-12-2016	19-12-2023	485228	19-12-2023	485228	National	Annamacharya Institute of Technology and Sciences, Rajampet, Kadapa, Andhra Pradesh, 516126	https://drive.google.com/file/d/1Jm8WyoPo_GXQ117R7_p11pSGVd-11Phrz4/view?usp=sharing
10	202441027579A	Dr.N.MerrinPrasanna	Dr.N.MerrinPrasanna	Optimal Hybrid Approach For Avoiding Trains Collisions	04-03-2024	04-12-2024				National	AITS Rajampet	
11	202441020861A	Dr.C.Venkatesh	Dr.C.Venkatesh	Machine Learning Approaches For Predicting Teachers' Stress, Teaching Approaches, And Student Academic Outcomes In Higher Education	19/03/2024	29/03/2024				National	AITS Rajampet	
12	202441020862A	Dr.C.Venkatesh	Dr.C.Venkatesh	Deep Learning Strategies For Forecasting Student Dropout And Academic Excellence In Higher Education	19/03/2024	29/03/2024				National	AITS Rajampet	

13	202441009134	Pabbati Swathi	1 Mannuru Shalima Sulthana	SYSTEM AND METHOD FOR REMOTE HEALTH MONITORING USING IOT DRIVEN USING MACHINE LEARNING ALGORITHMS	02-11-2024	03-08-2024	NA	NA	NA	international	ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES	NA
			2 . L. Jayasree									
			3.Pabbati Swathi									
			4 E.Anant Shankar									
			5 . Dr.T,Ravi Kumar									
			6 . B Rupa Devi									
		S.Riyaz bhanu										
14	202441008128	Dr. T. Hari Krishna	Dr. Ganji Ramanjaiah 1 . Dr. Sarita Sthul 2 . Dr. M. Veerakumari 3. Mr. Vijay Prakash 4 . G. K. Harinadh 5. Mr. Y. Venateswara Rao	Intelligent Code Optimization Using Machine Learning Insoftware Development	06-02-2024	01-03-2024						https://iprsearch.ipindia.gov.in/PatentSearch/ViewApplicationStatus
15	202421007999	Dr.C.Madana Kumar Reddy		"Integrated IOT Solutions for Enhanced Communication in Electrical and Electronic Systems"	6-Feb-2024	03-01-2024						
16	202341044495	Dr.C.Madana Kumar Reddy		"Machine learning-based closed-loop mixture of concrete equipment and the method"	07-03-2023	10-06-2023						