

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, RAJAMPET

CONSOLIDATED REPORT OF R&D ACTIVITIES

List of Patent published & Granted by the faculty during-2020-21

S.No	Name of the Inventor (s)	Department	Title of the Patent	Patent Application Number	Patent Published (Yes Or No)	Date of Published (DD.MM.YY)	Patent Granted(Yes Or No)	Patent Granted Number and Date (DD.MM.YYYY)	National/International
1	Dr.M.Padma Lalitha, Dr.P.B.Chennaiah, S.Muqthiar Ali	EEE	System and a method for an Intelligent/Automatic Tuning Of Power Converter Of Electric Vehicle For Charging The Battery Thereof	202041055437	Yes	25/12/2020	No		National
2	Dr.P.Gopi, Dr.S.Suresh	EEE	A low cost portable earth detecting safety plug point	202141006933	Yes	19/02/2021	No		National
3	Dr.B.Madhusudhan Reddy	EEE	Compact Washing Machine	339783-001	Yes	26/02/2021	No		National
4	Vyas.A, Dr.M.Padma Lalitha ,Babu U.R,Bhalerao R.S,K.Varma,S.Dash,S.Choudhury,Thakkar.R.R	EEE	Internet of things based automatic Railway gate controller	2021102426	FILED	Interational
5	Dr. P. VEERA SANJEEVA	ME	SEMI AUTOMATIC PNEUMATIC POWERED ROD BENDING MACHINE USING SOLENOID VALVE	202141016273	YES	23/04/2021	No		National
6	Suresh Babu G	ME	PERFORMANCE OPTIMIZATION OF RECONFIGURABLE MANUFACTURING SYSTEM USING DUAL STEP METAHEURISTIC APPROACH	202141021654 A	Yes	06-11-2021	No		National
7	Shaik Karimullah	Shaik Karimullah	A Novel Method and System for Designing VLSI Circuitry to Optimize the Integrated Circuit Operation	202141020084	Yes	07-05-2021	NO	NIL	National
8	P.Brundavani	P.Brundavani	An Artificial Neural Network System for Functional MRI Segmentation With CC-BPA	2021100880	Yes	07-04-2021	NO	NIL	International

9	Shaik Karimullah Syed Javeed Basha	Shaik Karimullah Syed Javeed Basha	A Novel Method of Design of Low Power VLSI Based Viterbi Decoder Using Gate Diffusion Input	202131004459	Yes	26-02-2021	NO	NIL	National
10	Shaik Karimullah	Shaik Karimullah	A Novel Method of Power Reduction in Modified AES Using Bit Encryption and Decryption Transition Scheme on FPGA	202141006425	Yes	19-02-2021	NO	NIL	National
11	Dr.K.Riyazuddin	Dr.K.Riyazuddin	Enhancement of quality of service in Wireless Sensor Network by Redundant Sensors Controlling	202041051968	Yes	11-12-2020	NO	NIL	National
12	P.Syamala Devi M .Hanumanthu J.Chinna Babu	P.Syamala Devi M.Hanuman thu J.Chinna Babu	Self-Reliability Based Weighted Soft-Bit- Flipping Algorithm for Decoding EG-LDPC Codes	201941054297	Yes	09-10-2020	NO	NIL	National
13	--	J.Chinna Babu	An efficient Arithmetic VLSI Architecture for DWTT Error Approximation	201941053591	Yes	18-09-2020	NO	NIL	National
14	Dr. K Ramana Dr. M Rudra Kumar Dr. P Centhil Mahesh	CSE	EARLY COVID PREDICTION: NEURO FUZZY MULTI-LAYERED DATA CLASSIFIER	2020102448	Yes	27/09/2020	Yes	28 October 2020, 2020102448	International
15	Dr.K.BOOPALAN	CSE	DIRECT CONTROL OF TORQUE OF INDUCTION MOTOR BASED ON FUZZY LOGIC APPLIED FOR ELECTRICAL VEHICLES	202041023333 A	Yes	12-06-2020	NO	21994 Dated 12/06/2020	National
16	Dr.LNC. Prakash K	CSE	HTVM-BLOCK CHAIN SYSTEM: HEALTHCARE TRANSACTION VALIDATION AND MEDICAL OBSERVATION CARE USING BLOCK CHAIN SYSTEM.	2.02041E+11	No				National
17	Dr. M Rudra kumar Mr. C V Lakshmi Narayana	CSE	EXPECTED CONDITIONAL CLUSTERED REGRESSIVE DEEP MULTILAYER PRECEPTED NEURAL LEARNING FOR IOT BASED CELLULAR NETWORK TRAFFIC PREDICTION WITH BIG DATA	2020104133	No		Yes		International

18	Dr.P.C.SENTHIL MAHES	CSE	Hybrid Network For Real - Time Tracking using Machine to Machine Communication	2021103546	Yes	22.06.2021	Yes	2021103546, 22.06.2021	International
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