



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

PATENTS- GRANTED

S. No	Title of the Invention	Name(s) of Inventor(s)	Application No & Grant/ Publication Date	Scan/Click for Relevant document
1	Magneto Centrifugal Blood pump	1. Prof. P. Ravinder Reddy 2. T.Rugveda	Design No: 306263 Granted/Published Dt: 23-03-2022	
2	Blood Pump Impeller, As a Design Patent	1. Prof. P Ravinder Reddy 2. Sri T Rugveda	Design No: 305590 Granted/Published Dt: 17-12-2021	
3	A Composite Material Extrusion and Method of Manufacturing Thereof	1. Prof. P Ravinder Reddy 2. Dr. Ishtiaq Ahmed Khan 3. Dr. Aleem Pasha 4. Mr. P V Kaulgud	Application No: 201741015659 A Granted/Published Dt: 27-12-2021	
4	An Apparatus and Method for Joining of Weldable or Non-Weldable Materials	1. Prof. P Ravinder Reddy 2. Dr. Isthiaq Ahmed Khan	Application No: 1550/MUM/2013 Granted/Published Dt: 27-11-2020	
5	System and Method for Palm Leaf Character Recognition Using 2D Haar Wavelet Transform and 3D Feature	1. Dr. P. Narahari Sastry 2. Dr. N.V. Koteswara Rao 3. Dr. Ramakrishna	Application No: 201641000080 A Granted/Published Dt: 04-07-2022	

S. No	Title of the Invention	Name(s) of Inventor(s)	Application No & Grant/ Publication Date	Scan/Click for Relevant document
6	Control on pollution levels of petrol engine with low cost catalytic converter	1. Dr. M.V.S.Murali Krishna, 2. Mrs. Ipsita Mohanty, 3. Ch.Indira Priyadarshini 4. Dr. S.Narasimha Kumar	Application No: 202141044968 A Granted/Published Dt: 09-09-2022	
7	Diesel engine with different levels of Insulation for controlling pollution levels	1. M.V.S.Murali Krishna 2. R.P.Chowdary 3. V.V.R.Seshagiri Rao 4. N.Janardhanan	Application No: 202241038961 A Granted/Published Dt: 30-01-2023	
8	Enhancement of Transfer of heat in a corrugated heat exchanger	1. M.V.S.Murali Krishna 2. N.V.Rao 3. B.Sreedhara Rao	Application No: 202241038959 A Granted/Published Dt: 23-01-2023	
9	Insulated Partially adiabatic diesel engine (PADE) with an insulated piston operated with methanol & vegetable oil	1. Dr. M. V.S. Murali Krishna 2. Dr. N.Janardhan 3. Dr. R.P. Chowdary 4. Dr. V.V.R. Seshagiri Rao	Application No: 202141044970 A Granted/Published Dt: 09-03-2023	
10	Control of pollutant levels of insulated diesel engine operated with CNG and ethanol	1. M.V.S.Murali Krishna 2. P.V.R.Ravindra Reddy 3. S.Narasimha Kumar 4. Y.S.Kannan	Application No: 202241038958 A Granted/Published Dt: 16-01-2023	



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

PATENTS- PUBLISHED

S. No	Title of the Invention	Name(s) of Inventor(s)	Application No & Publication Date	Scan/Click for Relevant document
11	Tribological Behaviour of Hybrid Fiber Reinforced Friction Material	1. Dr. P Ravinder Reddy 2. Sri. K B Jagadeeshgouda 3. Dr. Eshwara Prasad Koorapati	Application No: 201641028876 A Published Dt: 02-09-2016	
12	Wobbling free Magnetic coupled body fluid pumping apparatus	1. Dr. P Ravinder Reddy 2. T.Rugveda	Application No: 202141061650A Published Dt: 21-01-2022	
13	Wind Turbine Duct Having Exit Fold and Shallow Slots	1. Dr. P Ravinder Reddy 2. Ms. L. Ramayee 3. Prof. K Supradeepan	Application No: 202241004270 A Published Dt: 04-02-2022	
14	A Power transmission network based on optimal generalized interline power flow controller (ogipfc) for optimal power flow for complex networks to meet increased load demand.	1. Dr. M. Balasubba Reddy 2. Dr. P. Venkat Prasad	Application No: 202141023572 A Published Dt: 11-06-2021	
15	IoT Based Automation of Industry Using Optimized Robotics Process.	1. Dr. N.V. Vasantha Gowri 2. Dr. T. Murali Krishna	Application No: 202141031661 A Published Dt: 13-08-2021	

S. No	Title of the Invention	Name(s) of Inventor(s)	Application No & Publication Date	Scan/Click for Relevant document
16	Real time Multi Class Cardio Arrhythmia Classification, Based on DNN implemented in the IOT Cloud platform	Dr. S. China Ramu (as a third applicant)	Application No: 202141038591 A Published Dt: 03-09-2021	
17	Smart Agriculture using Sensor in IoT	Dr. S. China Ramu (as a third applicant)	Application No: 202141042980 A Published Dt: 01-10-2021	
18	Control of exhaust emissions of auto rickshaw engine run with diesel fuel	1. Dr. M. V. S. Murali 2. Dr. T.Ratna Reddy 3. Dr. K.Kishor 4. Mrs. Y. Nagini	Application No: 202141044969 A Published Dt: 04.10.2021	
19	System for mitigating circulating current in type modular multilevel	1. Dr. M. Balasubba Reddy 2. Dr. P. Venkat Prasad	Application No: 202141049019 A Published Dt: 05-11-2021	
20	Smart blind stick	1. Narasimha Kulkarni 2. Dr. Rahul 3. Nitin Kamitkar 4. Satish Kumar 5. Ranganath Lolla	Application No: 352891-001 Published Dt: 10-11-2021	
21	Microbial Pigment Compositions as Nucleic Acid Staining Agent	1. K. Arunachalam 2. Rajasri Yadavalli 3. Neha 4. Rajesh Kumar S 5. A. Jacob, Ranjit singh	Application No: 202241004271 A Published Dt: 04-02-2022	



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

PATENTS- PUBLISHED

S. No	Title of the Invention	Name(s) of Inventor(s)	Application No & Publication Date	Scan/Click for Relevant document
22	Design of Power Quality Analyzer (PQA) using Field Programmable Gate Array (FPGA)	1. Dr.M.Balasubbareddy 2. Kondapalli Venkata Sri Ram (PG student) 3. Dr P. Venkata Prasad	Application No: 202241010487 A Published Dt: 04-03-2022	
23	Artificial Intelligence (AI) Enabled Framework for Detection of Cardio Vascular Diseases	1. Ms Kratika Sharma 2. Ms Satya Tadepalli 3. Mr U Sairam 4. Mr Santhosh etal.	Application No: 202241032967 A Published Dt: 17-06-2022	
24	Noise Adaptive Approach for improving the Bit Error Rate (BER) in three dimensional turbo codes.	1. Ms. K. Suman 2. Prof. Reddy Desireddy Krishna	Application No: 202241026206 A Published Dt: 20-05-2022	
25	Control of aldehydes in high grade insulated diesel engine with low cost catalytic converter	1. M.V.S.Murali Krishna 2. K.Kishor 3. Y.Nagini 4. N.Janardhan	Application No: 202241039527 A Published Dt: 15-07-2022	
26	Control of aldehydes in medium grade insulated diesel engine with inexpensive catalytic converter	1. M.V.S.Murali Krishna 2. T.Ratna Reddy 3. R.P.Chowdary 4. V.V.R.Seshagiri Rao	Application No: 202241039528 A Published Dt: 15-07-2022	

S. No	Title of the Invention	Name(s) of Inventor(s)	Application No & Publication Date	Scan/Click for Relevant document
27	High degree insulated engine having optimized air gap thickness run with alternative fuel	1. M.V.S.Murali Krishna 2. Ipsita Mohanty 3. D.S.Madhuri 4. K.N.V.Sreedevi	Application No: 202241039529 A Published Dt: 15-07-2022	
28	Spark ignition engine with copper coated piston, copper coated liner & copper coated cylinder head	1. M.V.S.Murali Krishna 2. K.Kishor 3. N.Janardhan 4. K.N.V.Sreedevi	Application No: 202241039530 A Published Dt: 15-07-2022	
29	Insulated diesel engine fuelled with carbureted ethanol and waste plastic oil to reduce pollution levels.	1. M.V.S.Murali Krishna 2. T.Ratna Reddy 3. K.Kishor 4. S.Narasimha Kumar 5. N.V.Rao	Application No: 202241038957 A Published Dt: 22-07-2022	
30	Control of pollutant levels of insulated diesel engine operated with CNG & carburated methanol	1. M.V.S.Murali Krishna 2. P.V.R.Ravindra Reddy 3. S.Narasimha Kumar 4. Y.S.Kannan	Application No: 202241038960 A Published Dt: 22-07-2022	
31	Method and system for detection of delamination in a layered structure	1. A. Kiran Kumar 2. Chinta Venkata Sushma 3. Pinninti Ravinder Reddy 4. Sara Solomon Raj 5. P. Radha Krishna Prasad	Application No: 202241067170 A Published Dt: 23-12-2022	
32	Modular convertible catalytic cell	1. M. Bhanu Chandra 2. V. Maneesh Reddy 3. S. Abhishek Kumar 4. B. Ravi Kumar	Application No: 202241066571 A Published Dt: 25-11-2022	



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

PATENTS- PUBLISHED

S. No	Title of the Invention	Name(s) of Inventor(s)	Application No & Publication Date	Scan/Click for Relevant document
33	Robotic manipulator for pick and place applications	1. C. Venkata Sushma 2. Palla Nishant Bhanu 3. Shaik Chand Pasha 4. A. Kiran Kumar 5. P. Ravinder Reddy 6. Sara Solomon Raj	Application No: 202241067534 A Published Dt: 02-12-2022	
34	Wireless Peer-To-Peer Network Base For Managing IoT Edge Devices Off Gateway Range	1. Yellasiri Ramadevi 2. Tumula Sridevi 3. K. Koutilya Reddy 4. T. Sujananan	Application No: 202241067887 A Published Dt: 23-12-2022	
35	Solar Powered IoT Based Air Quality Monitoring And Purification System	1. Bharedwaj Khyati 2. Jagathkari Laxmipriya 3. Kalva Venu 4. K Krishnaveni	Application No: 202241068183 A Published Dt: 02-12-2022	
36	An Augmented Reality (AR) based Projector with holographic application for enhancing learning skills of students in rural regions	1. Sri Chakra Raj Pyaraka 2. Sravan Sai Lanka 3. Navya Sree Duggi Reddy	Application No: 202341014279 A Published Dt: 17-03-2023	
37	Natural Bamboo Fiber Composites With Enhanced Plastic Plate	1. Ch. Indira Priyadarsini 2. K. Gurubrahmam 3. P. Anjani Devi 4. T. N. Aditya 5. Dr. Md. Aleem Pasha 6. A. Chandrakanth	Application No: 202241050477 A Published Dt: 16-09-2022	

S. No	Title of the Invention	Name(s) of Inventor(s)	Application No & Publication Date	Scan/Click for Relevant document
38	A method and system for educating, connecting and aiding entrepreneurs including budding student entrepreneurs for fulfilling various requirements	1. Vishwanath Mukund B 2. Prasannaganapati Manjunath Nayak	Application No: 202341015169 A Published Dt: 17-03-2023	
39	A safety device and tool for women security incorporated with cloud based crime mapping tool	1. Yamini Harikrishnan 2. Prakash Mahadevan 3. Himanshu Joshi 4. Naga Durga Prasad M 5. A.D. Prakash Prabakaran	Application No: 202341014862 A Published Dt: 17-03-2023	
40	A wearable safety Device for females using Nano technology to safeguard from potential attackers	1. Chaitanya Bharati Institute Of Technology 2. T. Chaitanya Sri Bala Sai	Application No: 202341013988 A Published Dt: 17-03-2023	
41	Development of Auto Pilot Delivery Drone an Unmanned Aerial Vehicle	1. Dr. L. Suresh Kumar 2. Dr. Rahul 3. Ms. V. Sushma Chinta 4. Mr. P. Surendar Reddy 5. Mr. Ravi Degala 6. Dr. Y. S. Kannan 7. Dr. B. Veera Jyothi 8. Ms. D. S. Madhuri 9. Mr. Narsimha Kulkarni	Application No: 202241023144 A Published Dt: 06-05-2022	
42	Kids friendly saline intravenous	1. Narasimha Kulkarni 2. Rahul 3. P. Surendar Reddy 4. L. Suresh Kumar 5. Y. S. Kannan	Application No: 362555-001 Published Dt: 23-02-2023	