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Chaitanya Bharathi Institute of Technology(A), Hyderabad, Patent Status.

S. No	Title	Appl No and date of filing/publishing /Granted	Inventors	Status	Link to the relevant document
1	Magneto Centrifugal Blood pump	Design No: 306263 PUBLICATION Dt: 01-06-2018	1. Prof. P. Ravinder Reddy 2. T.Rugveda	Design Accepted Granted: 30623 Dt: 08-04-2022	https://drive.google.com/file/d/1yF-LbdSs2YWCg-YitwydBapMjruWuBIB/view?usp=sharing
2	Blood Pump Impeller, As a Design Patent	Design No: 305590 PUBLICATION Dt: 14-05-2018	1. Prof. P Ravinder Reddy, 2. Sri T Rugveda	Design Accepted Granted: 305590 Dt: 24-12-2021	https://drive.google.com/file/d/19A_TbH6FX8gP23loEtLNOOnMAoIw7DvI_r/view?usp=share_link
3	A Composite Material Extrusion and Method of Manufacturing Thereof	Appl. No: 201741015659 PUBLICATION Dt: 12-05-2017	1. Prof. P Ravinder Reddy , 2. Dr. Ishtiaq Ahmed Khan 3. Dr. Aleem Pasha 4. Mr. P V Kaulgud	Granted Patent No: 385240 Dt: 27-12-2021	https://drive.google.com/file/d/1kjpWzd0YdwAKSRwii3QchXPAQL9hPHbM/view?usp=share_link
4	An Apparatus and Method for Joining of Weldable or Non-Weldable Materials	Appl No: 1550/MUM/2013 PUBLICATION Dt: 20-03-2015	1. Prof. P Ravinder Reddy 2. Dr. Isthiaq Ahmed Khan	Granted Patent No: 352628 Dt: 27-11-2020	https://drive.google.com/file/d/1DAOBQuUBn2uxH2nLCN8lauVz89Avr6Em/view?usp=share_link
5	System and Method for Palm Leaf Character Recognition Using 2d Haar Wavelet Transform and 3d Feature	Appl No: 20164100008 PUBLICATION Dt: 15-01-2016	1. Dr. Panyam Narahari Sastry 2. Dr. N V Koteswara Rao 3. Dr. Ramakrishna Krishnan	Granted Patent No: 400741 Dt: 04-07-2022	https://drive.google.com/file/d/1yo6SaWeLJpO2Vrc4I6pYKL_jEzRf3hf-/view?usp=share_link
6	Control on pollution levels of petrol engine with low cost catalytic converter	Appl No: 202141044968 PUBLICATION Dt: 05-11-2021	1. Dr. M. V.S. Murali Krishna, 2. Mrs. Ipsita Mohanty, 3. Dr. Ch.Indira Priyadarshini 4. Dr. S.Narasimha Kumar	Granted Patent No: 406205 Dt: 09-09-2022	https://drive.google.com/file/d/1XUOT7nhZt_Pcj9ax_bqS4jkt1lj7m39/view?usp=share_link
7	Tribological Behaviour of Hybrid Fiber Reinforced Friction Material	Appl No: 201641028876A PUBLICATION Dt: 02-09-2016	1. Dr. P Ravinder Reddy 2. Sri. K B Jagadeeshgouda, 3. Dr. Eshwara Prasad Koorapati	Published, Dt: 02-09-2016, Disposed	https://drive.google.com/file/d/1fwjWc6EeOCB23AC6NpntJy3Kt-tg_wxG/view?usp=share_link
8	Wobbling free Magnetic coupled body fluid pumping apparatus	Appl No: 202141061650A PUBLICATION Dt:21-01-2022	1. Prof. P. Ravinder Reddy 2. T.Rugveda	Published, Dt:21-1-2022, Application in Hearing	https://drive.google.com/file/d/1h_S50W_h9FPORVhoovJVZUFoaQ00pMAM/view?usp=share_link
9	Wobbling Wind Turbine Duct Having Exit Fold and Shallow Slots	Appl No: 202241004270A PUBLICATION Dt: 04-02-2022	1. Prof. P. Ravinder Reddy 2. Ms. L. Ramayee (Research Scholar) 3. Prof. K Supradeepan (BITS Hyderabad)	Published, Dt: 04-02-2022, Application in Hearing	https://drive.google.com/file/d/1n14bZiDCXCpLAWeOxt72GtlkDmG0eDZ/view?usp=share_link
10	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.	Appl No: 202141023572A PUBLICATION Dt: 11-06-2021	1. Dr. M. Balasubba Reddy 2. Dr. P. Venkat Prasad	Published, Dt: 11-06-2021, Awaiting Request for Examination	https://drive.google.com/file/d/16j6h2NzJU_J2RmBuJle1eyTWfWaMvWvXp/view?usp=share_link

11	IoT Based Automation of Industry Using Optimized Robotics Process.	Appl No: 202141031661A PUBLICATION Dt: 13-08-2021	1. Dr. N.V. Vasantha Gowri and 2. Dr. T. Murali Krishna	Published, Dt: 13-08-2021, Awaiting Request for Examination	https://drive.google.com/file/d/1rzveE3a5SM1D3YT2BOrNDRFl6Jhamxue/view?usp=share_link
12	Real time Multi Class Cardio Arrhythmia Classification, Based on DNN implemented in the IOT Cloud platform	Appl No: 202141038591A PUBLICATION Dt: 03-09-2021	Dr. S. China Ramu (as a third applicant)	Published, Dt: 03-09-2021, Awaiting Request for Examination	https://drive.google.com/file/d/1_F24UUCp1HrcHkMgP09B4GX8Ulv-7VHs/view?usp=share_link
13	Smart Agriculture using Sensor in IoT	Appl No: 202141042980A PUBLICATION Dt: 01-10-2021	Dr. S. China Ramu (as a third applicant)	Published, Dt: 01-10-2021, Awaiting Request for Examination	https://drive.google.com/file/d/100KxPtOeQAnZnO-gyd61azFGZTVcdYTv/view?usp=share_link
14	Control of exhaust emissions of auto rickshaw engine run with diesel fuel	Appl No: 202141044969A PUBLICATION Dt: 04.10.2021	1. Dr. M. V.S. Murali Krishna, 2. Dr.T.Ratna Reddy, 3. Dr.K.Kishor, 4. Mrs Y,Nagini Dept. of Mech. Engg., CBIT(A).	Published, Dt: 04-10-2021, Application in Hearing	https://drive.google.com/file/d/18FhBGUJTQPXFrZCmHW4azEKTOFd-En/view?usp=share_link
15	Insulated Partially adiabatic diesel engine (PADE) with an insulated piston operated with methanol and vegetable oil	Appl No: 202141044970A PUBLICATION Dt: 05-11-2021	1. Dr. M. V.S. Murali Krishna, 2. Dr. N.Janardhan, 3. Dr. R.P. Chowdary, 4. Dr. V.V.R. Seshagiri Rao.	Granted Patent No: 424585 Dt: 09-03-2023	https://drive.google.com/file/d/1FeQdkm7u1C6o45O15teIXzkHT-rpXp8z/view?usp=share_link
16	System for mitigating circulating current in type modular multilevel	Appl No: 202141049019A PUBLICATION Dt: 05-11-2021	1. Dr. M. Balasubba Reddy 2. Dr. P. Venkat Prasad	Published, Dt:05-11-2021, Under Examination.	https://drive.google.com/file/d/1beJvw7sYMO2soH-tPtODTt3kaRjLUMB7/view?usp=share_link
17	Smart blind stick	Appl No: 352891-001 PUBLICATION Dt: 10.11.2021	1. Mr. Narasimha Kulakarni 2. Dr. Rahul	Design, Dt:10-11-2021, Accepted & Published	https://drive.google.com/file/d/12jwDGBHIBZLu3jTe5gFEQ2O8CCZXA6J-/view?usp=share_link
18	Microbial Pigment Compositions as Nucleic Acid Staining Agent	Appl No: 202241004271A Filing Dt: 25/01/2022, PUBLICATION Dt: 04-02-2022	1. K. Arunachalam (Zambia) 2. Rajasri Yadavalli (CBIT Faculty) 3. Neha Sharma (maharsi Markandeshawar university) 4. Rajesh Kumar Shannmugam (SIMTS) 5. A, Jacob, appa Dorai (Pratusha Engg. College) Ranjit singh	Published, Dt: 04-02-2022, Awaiting Examination.	https://drive.google.com/file/d/17diYd-rGTyrDiAasgEvlGxkICZ78GofO/view?usp=share_link
19	Design of Power Quality Analyzer (PQA) using Field Programmable Gate Array (FPGA)	Appl No: 202241010487A PUBLICATION Dt: 04-03-2022	1. Dr M Balasubbareddy, 2. Kondapalli Venkata Sri Ram (PG student), 3. Dr P. Venkata Prasad	Published, Dt:04-03-2022, Under Examination	https://drive.google.com/file/d/1f4p2fO-nDuR9f2eTN5nEVnj6ollEICVh/view?usp=share_link
20	Artificial Intelligence (AI) Enabled Framework for Detection of Cardio Vascular Diseases	Appl No: 202241032967A PUBLICATION Dt: 17-06-2022	1. Ms Kratika Sharma 2. Ms Satya Kiranmai Tadeipalli 3. Mr U Sairam, 4. Mr Santhosh etal.	Published, Dt:17-06-2022, Under Examination	https://drive.google.com/file/d/1xHhTS7iVMVInEBAU18-z8nZXIA6WvbeP/view?usp=share_link
21	Noise Adaptive Approach for improving the Bit Error Rate(BER) in three dimensional turbo codes.	Appl No: 202241026206A PUBLICATION Dt: 20-05-2022	1. Ms. K. Suman 2. Prof. Reddy Desireddy Krishna	Published, Dt:20-05-2022, Under Examination	https://drive.google.com/file/d/1zks42KyHdUMMjMM6NmMzGzffw0Gn-GdNB/view?usp=share_link
22	Control of pollutant levels of insulated diesel engine operated with CNG and ethanol	Appl No: 202241038958A PUBLICATION Dt: 15-07-2022	1. M.V.S.Murali Krishna 2. P.V.R.Ravindra Reddy 3. S.Narasimha Kumar 4. Y.S.Kannan	Granted Patent No: 418087 Dt: 16-01-2023	https://drive.google.com/file/d/1U-Dyw1pfN3h2W_r1zdMleCLi_kXlxqYZ/view?usp=share_link

23	Control of aldehydes in high grade insulated diesel engine with low cost catalytic converter	Appl No: 202241039527A PUBLICATION Dt: 15-07-2022	1. M.V.S.Murali Krishna 2. K.Kishor 3. Y.Nagini 4. N.Janardhan	Published, Dt: 15-07-2022, Under Examination	https://drive.google.com/file/d/1ukX0UZOaGpQjbtMb-O5F10tTJePWgJvg/view?usp=share_link
24	Control of aldehydes in medium grade insulated diesel engine with inexpensive catalytic converter	Appl No: 202241039528A PUBLICATION Dt: 15-07-2022	1. M.V.S.Murali Krishna 2. T.Ratna Reddy 3. R.P.Chowdary 4. V.V.R.Seshagiri Rao	Published, Dt: 15-07-2022, Awaiting Examination.	https://drive.google.com/file/d/1iiSZcFq5lcAD05xSPmlO_3TDSak-8vXS/view?usp=share_link
25	High degree insulated engine having optimized air gap thickness run with alternative fuel	Appl No: 202241039529A PUBLICATION Dt: 15-07-2022	1. M.V.S.Murali Krishna 2. Ipsita Mohanty 3. D.S.Madhuri 4. K.N.V.Sreedevi	Published, Dt:15-07-2022, RQ Filed	https://drive.google.com/file/d/1oRkpgyBL9s1PzlrE9bFa4uX6z47JRvll/view?usp=share_link
26	Spark ignition engine with copper coated piston, copper coated liner and copper coated cylinder head	Appl No: 202241039530A PUBLICATION Dt: 15-07-2022	1. M.V.S.Murali Krishna 2. K.Kishor 3. N.Janardhan 4. K.N.V.Sreedevi	Published, Dt: 15-07-2022, RQ Filed	https://drive.google.com/file/d/1L6hGYUeZxLa2Rf9S_p0D_OdPyxSVvDSK/view?usp=share_link
27	Insulated diesel engine fuelled with carbureted ethanol and waste plastic oil to reduce pollution levels.	Appl No: 202241038957A PUBLICATION Dt: 22-07-2022	1. M.V.S.Murali Krishna 2. T.Ratna Reddy 3. K.Kishor 4. S.Narasimha Kumar 5. N.V.Rao	Published, Dt:22-07-2022, Under Examination.	https://drive.google.com/file/d/1gZh17VhE9PFwa2kXPwWJFOMk7Zxoe_Z/view?usp=share_link
28	Enhancement of Transfer of heat in a corrugated heat exchanger	Appl No: 202241038959A PUBLICATION Dt: 22-07-2022	1.M.V.S.Murali Krishna 2.N.V.Rao 3.B.Sreedhara Rao	Granted Patent No: 418948 Dt: 23-01-2023	https://drive.google.com/file/d/1jynWxc0aXUQDNBbGW3jeLUmf5dsCA4W1/view?usp=share_link
29	Control of pollutant levels of insulated diesel engine operated with CNG and carburated methanol	Appl No: 202241038960A PUBLICATION Dt: 22-07-2022	1.M.V.S.Murali Krishna 2.P.V.R.Ravindra Reddy 3.S.Narasimha Kumar 4.Y.S.Kannan	Published, Dt: 22-07-2022, Under Examination.	https://drive.google.com/file/d/11iPUBCLbnx0-WtUNx-ROWXTdf5YMV6IA/view?usp=share_link
30	Diesel engine with different levels of Insulation for controlling pollution levels	Appl No: 202241038961A PUBLICATION Dt: 22-07-2022	1. M.V.S.Murali Krishna 2. R.P.Chowdary 3. V.V.R.Seshagiri Rao 4. N.Janardhanan	Granted Patent No: 419495 Dt: 30-01-2023	https://drive.google.com/file/d/1h_n1oppNE5Jcdew5dSMV-RWi-lxsk6ed/view?usp=share_link
31	Method and system for detection of delamination in a layered structure	Appl No: 202241067170A Filing Dt: 22-11-2022 PUBLICATION Dt: 23-12-2022	1. A. Kiran Kumar 2. Chinta Venkata Sushma 3. Pinninti Ravinder Reddy 4. Sara Solomon Raj 5. Pedamallu Radha Krishna Prasad	Published, Dt: 23-12-2022 Under Examination	https://drive.google.com/file/d/19lxKd4DbeE2DgsSVZbdjEFebZCpO8cmM/view?usp=share_link
32	Robotic manipulator for pick and place applications	Appl No: 202241067534A Filing Dt: 24-11-2022 PUBLICATION Dt: 02-12-2022	1. Chinta Venkata Sushma 2. Palla Nishant Bhanu 3. Shaik Chand Pasha 4. Amireddy Kiran Kumar 5. Pinninti Ravinder Reddy 6. Sara Solomon Raj	Published, Dt: 02-12-2022, Under Examination	https://drive.google.com/file/d/1HNJaYBcx31G45-jzQgotCwvPR_OuMXyA/view?usp=share_link
33	Modular convertible catalytic cell	Appl No: 202241066571A Filing Dt: 19-11-2022 PUBLICATION Dt: 25-11-2022	1. M. Bhanu Chandra 2. V. Maneesh Reddy 3. S. Abhishek Kumar 4. B. Ravi Kumar	Published, Dt: 25-11-2022, Under Examination	https://drive.google.com/file/d/11GjE9e19AWcmb8fhplyeuPOPXBNztQY7/view?usp=share_link
34	Wireless Peer-To-Peer Network Base For Managing Iot Edge Devices Off Gateway Range	Appl No: 202241067887A Filing Dt: 25/11/2022 PUBLICATION Dt: 23-12-2022	1. YELLASIRI Ramadevi 2. TUMULA Sridevi 3. KHOOTURU Koutilya Reddy 4. TIRUVAYIPATI Sujanan	Published, Dt: 23-12-2022, Under Examination.	https://drive.google.com/file/d/1Tgzt_enKHwBiqHM0Vn3_41-ddSQayRZ5/view?usp=share_link

35	Solar Powered IoT Based Air Quality Monitoring And Purification System	Appl No: 202241068183 Filing Dt: 27/11/2022 PUBLICATION Dt: 02-12-2022	1. BHAREDWAJ Khyati 2. JAGATHKARI Laxmipriya 3. KALVA Venu 4. K Krishnaveni	Published, Dt: 02-12-2022, Under Examination.	https://drive.google.com/file/d/12ARFtk3HAWHL26v4rSl80FrHvDsjM4Ro/view?usp=share_link
36	An Augmented Reality (AR) based Projector with holographic application for enhancing learning skills of students in rural regions	Appl No: 202341014279 Filing Dt: 03-03-2023, PUBLICATION Dt: 17-03-2023	1. Chaitanya Bharati Institute of Technology (CBIT) 2. Sri Chakra Raj Pyaraka, 3. Sravan Sai Lanka, 4. Navya Sree Duggi Reddy	Published, Dt: 17-03-2023 Application Awaiting Examination	https://drive.google.com/file/d/1SYKKx75_wbean9at2w9Wec-hlOrVeLdt/view?usp=share_link
37	A method and system for educating, connecting and aiding entrepreneurs including budding student entrepreneurs for fulfilling various requirements	Appl No: 202341015169 Filing Dt: 07-03-2023, PUBLICATION Dt: 17-03-2023	1. Chaitanya Bharati Institute of Technology (CBIT) 2. VISHWANATH MUKUND BALRAJ 3. PRASANNAGANAPATI MANJUNATH NAYAK	Published, Dt: 17-03-2023, Application Awaiting Examination	https://drive.google.com/file/d/1j5lwBFuvCswTdEw6vszp1qS7NbtmRcbZ/view?usp=share_link
38	A safety device and tool for women security incorporated with cloud based crime mapping tool	Appl No: 202341014862 Filing Dt: 06-03-2023, PUBLICATION Dt: 17-03-2023	1. Chaitanya Bharati Institute of Technology (CBIT) 2. Yamini Harikrishnan 3. Prakash Mahadevan 4. Himanshu Joshi 5. Naga Durga Prasad Marri 6. Arul Prakash Arul Doss Prabakaran	Published, Dt: 17-03-2023, Application Awaiting Examination	https://drive.google.com/file/d/1e_p9odOdJ5Ro2S2ixivd3bgZDjXE6eZ2/view?usp=share_link
39	A wearable safety Device for females using Nano technology to safeguard from potential attackers	Appl No: 202341013988 Filing Dt: 03-03-2023, PUBLICATION Dt: 17-03-2023	1. Chaitanya Bharati Institute of Technology 2. Tatholu Chaitanya Sri Bala Sai	Published, Dt: 17-03-2023, Application Awaiting Examination	https://drive.google.com/file/d/1K2W0JGxyAkCkLHk3W6C1RRyZbC4_Xm0r/vi ew?usp=share_link