



Chaitanya Bharathi Institute of Technology

Research and Development Centre

Research and Entrepreneurship Hub

List of In House Student's Research Projects

S. No	Project Code	Name of the students	Name of the guide	Department	Name of the Project	Term of the project
1.	CBIT/PROJ-SIH/I030/ECE/D010/2024	- Ghulam Mohiuddin 160122744001	Dr. A Supraja Reddy	ECE	An IoT based System for Remote Monitoring of Critical Communication Equipment in Airports.	2024-25 One Year
2.	CBIT/PROJ-SIH/I029/ECE/D009/2024	Charan Sai -160120735085 Ardhanoor Vishwa Charan Reddy-160120735118 Adepu Shashank -160120735307	Dr. B KhaleeluRehman	ECE	Implementation of 32 Bit MIPS processor using FPGA	2024-25 One Year
3.	CBIT/PROJ-SIH/I028/ECE/D008/2024	Rishab Rachakonda-160121735055 Devashish Mudigonda-160121735085	Dr. B KhaleeluRehman	ECE	Smart Plant Monitoring System Using Raspberry Pi and App based tracking System	2024-25 One Year
4.	CBIT/PROJ-SIH/I027/ECE/D007/2024	Rashmi -160121735303 Gurram Sowmya -160121735307	Dr. B KhaleeluRehman	ECE	Automatic winding machine using UPI payment	2024-25 One Year
5.	CBIT/PROJ-SIH/I026/ECE/D006/2024	Bogoju Mukesh160120735094 Julakani Sai Ganesh160120735103 Erram Sai Tej Goud 160120735107	Dr. D Nagadevi	ECE	Implementation of IoT based Coal mines Monitoring and alerting System	2024-25 One Year
6.	CBIT/PROJ-SIH/I025/ECE/D005/2024	Anneboina Nikhil-160120735152 Snehitha Battula-160120735134 Sevireddy Dharani 160121735019	Smt. B Neeraja	ECE	Secure Soldier: Real-time Wireless Embedded Electronics for Safety	2024-25 One Year
7.	CBIT/PROJ-SIH/I024/ECE/D004/2024	C. Vishnu Sai Sathvik-160120735180 J. Victor Paul-160120735179 M. Thanishq 160120735174	Smt. Ghata Chauhan	ECE	Cognigaze - Smart Glasses for DHH using Augmented Reality	2024-25 One Year
8.	CBIT/PROJ-SIH/I023/ECE/D003/2024	A.Sreena Reddy-160121735142 Y.Jahnavi-160121735167 Pulijala Udith Chandra Prasad -160122735192	Smt. B Neeraja	ECE	Borewell rescue system along with air quality monitoring	2024-25 One Year
9.	CBIT/PROJ-SIH/I022/ECE/D002/2024	Mora Rahul Tej-160120735156 Sunkari Sai Snehith-160120735163 Olipally Vandan Babu -160120735177	Smt. S SivaPriyanka	ECE	Development of Novel Autism Detection System Using Deep Learning and Assistive	2024-25 One Year

					Communication Devices.	
10.	CBIT/PROJ-SIH/I021/ECE/D001/2024	P.Divya Tulasi-160120735123 Y.Goutham-160120735146 B.Venkata-160120735178	Smt. S SivaPriyanka	ECE	Development Of Novel ML Based Text Emotion Recognition System For Sentiment Analysis	2024-25 One Year
11.	CBIT/PROJ-SIH/I020/EEE/D003/2024	Honnesh-160120734033, Shashmith Balaji-160120734052 and Nagasri-160120734304	Dr. T Sudhakar Babu	EEE	IoT-based Wireless EV Charging Station	2024-25 One Year
12.	CBIT/PROJ-SIH/I019/EEE/D002/2024	Vemula Rajeshwar Reddy- 160120734301, Srihaas KNS Tadikonda-160120734056 and Aisha Naseem-160120734001	Dr. U K Choudhury	EEE	Axial Flux Motor for Electric Vehicles and Wind Generator Applications	2024-25 One Year
13.	CBIT/PROJ-SIH/I018/EEE/D001/2024	Patturi Sai Priya-160120734308, Nalla Vishnu Teja-160120734119, Puppala Prem Kumar-160120734105	Sri. N Santosh Kumar	EEE	Smart Garbage Segregation and Management	2024-25 One Year
14.	CBIT/PROJ-SIH/I016/AIDS/D003/2024	Ambekar Tejas-160121771095, Padirolu Moses-160121771116, P. Shaikshavali-160121771120	Smt. V K Aravinda	AI&DS	Mind Bloom	2024-25 One Year
15.	CBIT/PROJ-SIH/I015/AIDS/D002/2024	Talari Sameekruth-160121771063, T Pavan Kumar-160121771062	Smt. Swathi Tejah Yalla	AI&DS	CBIT Connect-A Social Media Application for University Students	2024-25 One Year
16.	CBIT/PROJ-SIH/I014/AIDS/D001/2024	Md. Mushtaq-160121771050, M. Gopi Prashanth Raju-160121771051	Smt. Swathi Tejah Yalla	AI&DS	VoyageMate: Elevating IRCTC with Seamless Social Logins, Live Tracking, and Intelligent Recommendations	2024-25 One Year
17.	CBIT/PROJ-SIH/I013/Mech/D002/2024	Kammari Chandrashekhar- 160120736018, Mulagiri Sai Kiran-160120736317 and Kari Bharath-160120736314	Dr. P V R Ravindra Reddy	Mechanical	Design Development and Performance Evaluation of Hydrogen Powered Internal Combustion Engine	2024-25 One Year
18.	CBIT/PROJ-SIH/I012/Mech/D001/2024	P Satatha-160120736067, B. Shravan Kumar-160120736104, D. Sriharsha-160120736105	Dr. A Kiran Kumar	Mechanical	Fabrication of Areca nut Natural Fiber Reinforced Composite for Acoustic Comforts	2024-25 One Year
19.	CBIT/PROJ-SIH/I011/Chemical/D008/2024	Armaan Shaik-160122802020 M Mithuladitya -160122802034 and G. Venkat Pavan-160122802027	Dr. P Madhuri and Dr. Raj Kumar Verma	Chemical	Synthesis of Biodegradable Catalyst and its Utilization for Biodiesel Production using Non-Edible Oils	2024-25 One Year
20.	CBIT/PROJ-SIH/I010/Chemical/D007/2024	Sneegdha Endla-160120802016, Rithvika Angirekula-160120802012 and Dhruv Gollapudi-160121802025	Dr. P Madhuri and Dr. B V S Praveen	Chemical	Innovative Application of Dry Waste (Leaves & Flower Petals) in Eco-Friendly Pulp and Paper Production	2024-25 One Year
21.	CBIT/PROJ-SIH/I009/Chemical/D006/2024	Nishitha Reddy-160120802010, Aman Dubey-160120802020	Dr. P Madhuri and Sri. I Balakrishna	Chemical	A Novel Utilization of Dry Leaves for Synthesis of Bio-Adsorbents	2024-25 One Year
22.	CBIT/PROJ-SIH/I007/Chemical/D004/2024	Kersagar Jyothi-160121802007, Sravya Kolluru-160121802009	Dr. M Mukunda Vani and Dr. D Bharath Kumar	Chemical	Development of Cellulose Nano Crystals with Cotton Plant Extracts as	2024-25 One Year

					a Membrane	
23.	CBIT/PROJ-SIH/I006/Chemical/D003/2024	Udesh Salver-160120802046, Omesh Arshid-160120802024	Dr. M Mukunda Vani and Dr. P V Naga Prapurna	Chemical	Pyrolysis of Waste Plastic to Functional Fuel	2024-25 One Year
24.	CBIT/PROJ-SIH/I005/Chemical/D002/2024	Amay Vanneldas-160120802021, Gadde Rupesh-160120802038, Chengal Dhanush-160120802027, Manvitha and Sailaja	Dr. R Prasanna Rani	Chemical	Synthesis, Characterization of Biodegradable plastic Films Using Response Surface Methodology	2024-25 One Year
25.	CBIT/PROJ-SIH/I004/Chemical/D001/2024	C. Dhanush-160120802027, S. Kalyan Sai-160120802032	Dr. R Prasanna Rani	Chemical	Turning Trash into Treasure: Plant and Waste-Derived Nanomaterials for Agricultural Advancement	2024-25 One Year
26.	CBIT/PROJ-SIH/I003/Chemistry/D002/2024	Sravya Kolluru-160121802009, Gaurav Mahnot Jain-160121802028, Lingala Eswaraditya Reddy- 1601215802031	Dr. G V Ramesh and Dr. M Mukunda Vani.	Chemistry	Porous g-C ₃ N ₄ -Based Nanocomposites with Metal Oxide Nanoparticles for Antibacterial Applications	2024-25 One Year
27.	CBIT/PROJ-SIH/I002/Chemistry/D001/2024	Gandigi Sri Sahasra Reddy- 160121802003, Dhruv Gollapudi-160121802025, P V Renu Prakash-160121802038	Dr. G V Ramesh and Dr. M Mukunda Vani.	Chemistry	Synthesis and Applications of CuNWs@Ag Core-Shell Structures for Antimicrobial Use	2024-25 One Year
28.	CBIT/PROJ-SIH/I001/Biotech/D001/2024	Alwina G-160120805003, Shynisha-160120805006 and Sneha B-160120805029	Dr. Sanjeeb Kumar Mandal	Biotech	Isolation, Identification & Microbes Having Potential Probiotic Activities	2024-25 One Year