



# Chaitanya Bharathi Institute of Technology

## Research and Development Centre

### Research and Entrepreneurship Hub

### List of Consultancy Projects

S. No	Code	Name of the Principal Investigator (PI) / Co Investigator	Department	Name of the Project	Name of Funding Agency	Term of the Project
1.	CBIT/PROJ-C/ I037/BT/D002/2024	Dr. G. Vijaya Laxmi and Dr. Ashoutosh Panday	Biotech	Biorisk Assessment and Biohazard Mitigation of Common Plant Toxins in Laboratory and Industrial Environments	Health Security Partners, USA	2 Months (Nov-Dec 2024) 2024
2.	CBIT/PROJ-C/ I036/Mech/D010/2024	Dr. Ch. Indira Priyadarshine, Dr. B V S Rao, Dr. T Anajani Devi	Mechanical	Design of Hexagon shaped Duct	Value trek Engineers	3 Months 2024-25
3.	CBIT/PROJ-C/I035/Civil./D011/2024	Project Head: Prof. K. Jagannadha Rao, Advisor: Prof. P. Sreenivas Sarma, Coordinators: a) Dr. N. R. Dakshina Murthy, b) Dr. T. Chaitanya Srikrishna	Civil	Consultancy services testing & execution works related to ensuring the strength of structures & foundation soil and arresting the leakages of the existing soil's foundations. in our premise	Telangana Foods, Govt., of Telangana	2024-25 6 Months
4.	CBIT/PROJ-C/ I034/Chemical/D002/2024	Dr. M Mukunda Vani and Mr. I Bala Krishna	Chemical	Consultancy work under MoU with MSN Industries for training Employees	MSN Laboratories Pvt. Ltd. , Hyderabad	2024-26 45 Days in 2 years
5.	CBIT/PROJ-C/ I033/EEE/D002/2024	Dr. Umakanta Choudhury	EEE	Technical Consultancy charges for analysis of load tap charger with transformer with cable, swith gear, surge arrester for various fault conditions	Design Experts Private Limited, Nashik, Maharashtra	2023-24 6 Months
6.	CBIT/PROJ-C/ I032/Mech/D009/2024	Dr. Venkata Sushma Chinta and Dr.P Kiran Kumar	Mechanical	Stress analysis of casting 12T15	UCON PT STRUCTURAL SYSTEM Pvt. Ltd.	2023-24 3 Months
7.	CBIT/PROJ-C/ I031/IT/D002/2023	Dr. K Ramakrishna	IT	To Provide Hands on Technical Training to Students on IoT, Robotics and Cyber Security	ExcelR Edtech Pvt. Ltd., Bangalore	4-15 Sept. 2023 (10 Days)
8.	CBIT/PROJ-C/ I030/IT/D001/2023	Dr. A Rajanikanth and Mr. K Gangadhara Rao	IT	Data Analytics and Machine Learning	Coincent.ai (a sister company of Movidu technology Pvt. Ltd)	1 Year 2023-24
9.	CBIT/PROJ-C/ I029/Mech/D008/2023	Dr. Kiran Kumar Amireddy	Mechancial	Image Analysis and Website Development	BNK Products and Services Private Limited, Hyderabad	2023-24 One Year
10.	CBIT/PROJ-C/ I028/CSE/D002/2023	Prof. N Rama Devi and Dr. N Janardhan	CSE (IoT) & Mech	Development of Image Mathing Techniques for Camouflaging of Various Terrains/Assets	CARS, ASL, DRDO (Consultancy)	2023-24

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11.	CBIT/PROJ-C/ I027/Mech/D007/2023	Dr. Ch. Indira Priyadarshini, Dr. P. Ravinder Reddy, Mohd Ziauddin Jahangir and G. Mallikharjuna Rao	Mechanical & ECE	Study of Static Flow Measurement Technology	SKYLARK SMARTMETRES PVT LTD	6 Months 2023-24
12.	CBIT/PROJ-C/ I026/ECE/D005/2023	Dr.N V Koteswara Rao and Dr. Jeet Ghosh and Dr. D Srikar	ECE	Design and Development of Multi Input Multi frequency Antenna for Missile Applications	CARS, DRDL DRDL/23CR0004/APS/APS/DOMR	One Year 2023-24
13.	CBIT/PROJ-C/ I025/Chemical/D001/2022	Dr Mallaiah Mekala	Chemical	Scale up studies in a packed bed reactive distillation	Sun Pharmaceutical Industries Ltd., Haryana, India. PO. No.: 5000237689, Dated: 11 Nov 2022	1 Year 2023-24
14.	CBIT/PROJ-C/ I024/Mech/D006/2022	Dr G Laxmaiah and Dr Kiran Kumar Amireddy	Mechanical	Modeling and Analysis of 42U Type CKD Rack	BRAVLD Engineering Private Limited, Hyderabad	2022-2023
15.	CBIT/PROJ-C/ I023/BT/D001/2022	Dr. Y Rajasri	Biotech	A device to absorb Carbon Dioxide from the atmosphere	Neonflake Enterprises (OPC) Pvt Ltd	7 Months Sept 2022 to March 2023
16.	CBIT/PROJ-C/ I022/Mech/D005/2022	Dr. N Janardhan	Mech	Thermo Structural Stability Analysis of RCC Structures	CARS, DRDO (Consultancy)	2 Years 2022-23
17.	CBIT/PROJ-C/ I021/EEE/D001/2021	Dr. Thanikanti Sudhakar Babu	EEE	Enhancement of the performance of different renewable energy sources using modern techniques	Kingdom of Saudi Arabia, Ministry of Education, Najran University	2 Years 2021-2023
18.	CBIT/PROJ-C/I020/Civil./D010/2021	Sri. A. Balaji Rao	Civil	Design Of Culvert	M/s. Bridge Consultancy	2021-22
19.	CBIT/PROJ-C/I019/Civil./D009/2021	Dr. Jagannadha Rao Sri. A. Balaji Rao	Civil	Proof Checking Of Structural Design And Drawing S Of EGSB Reactor For Wastewater Treatment	M/s. Kaashyapa Envergy Infrastructures Pvt. Ltd.	2021-22
20.	CBIT/PROJ-C/I018/Civil./D008/2021	"Dr. Jagannadha Rao Prof. S. S. V. Challam, G. Vishwanath, M. Kalyan, Smt. N. Lalitha Kumari "	Civil	Field Survey	GHMC	2021-22
21.	CBIT/PROJ-C/I017/Mech./D005/2020	Dr. N.R.Dakshina Murthy	Civil	Prof checking of Retaining wall design of Dammanapet LI Scheme on Right bank of Godavari river in Dharmapur mandal, Jagityal Dist.	VPR Consultancy	2020-2021
22.	CBIT/PROJ-C/I016/Civil./D007/2020	Dr A Vimala, Dr Nr Dakshina Murthy and Sri K V Vivek	Civil	Cement Cubes Testing	M/S Anuhar Homes Pvt Ltd	2020-21
23.	CBIT/PROJ-C/I015/Mech./D004/2020	Dr P Ravinder Reddy Dr G Laxmaiah	Mechanical	FE Analysis of EFGC 16	J K Fenner(India) Ltd, Hyderabad	2020-21

24.	CBIT/PROJ-C/ I014/Mech./D003/2019	Dr. G. Chandra Mohan Reddy and Dr. P.V.R. Ravindra Reddy	Mechanical	Optimization of Process parameters for Additive Manufacturing of Defence Components	CARS, DRDO (Consultancy)	18 Months 2019-21
25.	CBIT/PROJ-C/I013/CSE/D001/2019	Dr. Ravinder Reddy	CSE	Translating the NPTEL content to regional Language	MHRD	2019
26.	CBIT/PROJ-C/I012/Civil/D006/2019	Dr. N R D Murthy	Civil	Cubes Testing	M/s. Ananda Home Developers	2019-20
27.	CBIT/PROJ-C/I011/Civil/D005/2018	Sri. P. Sreenivas Sarma	Civil	Project Management Consultancy Services for the Cotton Mill Structure of Salasar Balaji Textiles at Gollapally near Jadcherla, Mahaboob nagar Dist. 2,25,000/- plus taxes applicable	Services	2018-2019
28.	CBIT/PROJ-C/I010/Civil/D004/2018	Sri. P. Sreenivas Sarma	Civil	Structural Design and drawing for the proposed Skandhanshi Trade Centre (Double Cellar +5Floors Commercial Complex), @Rs.2.00/Sq.ft of the total plus taxes applicable.	Skandhanshi Trade Center	2018-2019
29.	CBIT/PROJ-C/I009/Civil/D003/2018	Sri. A Balaji Rao, Dr. N R Dakshina Murthy	Civil	Structural Stability Carry out investigations on the fire effected shed of HPCL	HPCL	2018-19
30.	CBIT/PROJ-C/I008/Civil/D002/2018	Dr. N R Dakshina Murthy	Civil	Cubes testing	Hayagreeva Infra Pvt Ltd	2018-19
31.	CBIT/PROJ-C/I007/Civil/D001/2017	Dr P Rama Raju, M Samba Siva Rao	Civil	Design of R2 reservoir at RGIA, Shamshabad, Hyderabad	GMR Hyderabad International Airport Limited (GHIAL)	2017-18
32.	CBIT/PROJ-C/I006/ECE/D004/2016	Dr.K.Subba Rao and Dr. N. V. Koteswara Rao	ECE	Improvement of Performance of RLG with Wavelet and S-Transform Algorithms	RCI-CARS, DRDO, Hyderabad	2 Years 2016-18
33.	BIT/PROJ-C/I005/ECE/D003/2015	Dr.A.D. Sarma Dr. D Krishna Reddy and Sri .P. Sathish	ECE	Performance Evaluation of IRNSS in the Context of user Position and Velocity	RCI-CARS, DRDO, Hyderabad	2 Years 9 Months 2015-17
34.	CBIT/PROJ-C/I004/ECE/D002/2013	Dr.K.Subba Rao Dr. N. V. Koteswara Rao Sri E. Chandrasekhar	ECE	Design and Development of DSP Processor Based Signal Processing Unit for Ring Laser Gyro	RCI-CARS, DRDO, Hyderabad	2 Years 2013-15
35.	CBIT/PROJ-C/I003/Mech./D002/2013	Dr P Ravinder Reddy Dr G Laxmaiah	Mechanical	Static and Fatigue Analysis of Pulleys	J K Fenner (India) Ltd, Hyderabad	2013-14
36.	CBIT/PROJ-C/I002/Mech./D001/2009	Dr. G. Chandra Mohan Reddy Dr. P.V.R. Ravindra Reddy	Mechanical	Simulation Studies on the Explosively Formed Projectiles	Programme AD, DRDO, Hyderabad	2009-2011
37.	CBIT/PROJ-C/I001/ECE/D001/2004	Dr. N. V. Koteswara Rao	ECE	IE 3D software Usage for Microstrip Antenna Simulation	GE India Business Center, Hyderabad	0.5 Years 2004