

Research Outcomes

Sponsored Projects

2014						
S. No	Name of the department	Title of the Project	PI/Co-PIs	Funding Agency	Amount (Rs)	Duration
1.	CSE	Information & Cyber Security Education - A Cloud Based Approach	N.Rama Devi and B.Sateesh	UGC	2,60,000	Two years
2	Mechanical	Fea and practice through Ansys	Dr.P.Ravinder Reddy	AICTE	7,00,000	One year
2015						
1	Bio-Tech	Studies on enhancement of secondary metabolites in <i>in vitro</i> through hairy roots an immobilized cell suspensions in medicinally important	Dr. G. VijayaLaxmi	UGC - SERO Proposal number 3672	1,40,000	Sanction in 2015, ongoing
2	Civil	Strength and Durability Studies on High Strength Recycled Aggregate Concrete	Dr.K.Jagannadha Rao	UGC, New Delhi (RPS)	3,55,000	Two years
3	Mechanical	Implementation of composite material wind blades in wind mills	Mrs.L.Ramayee and Dr.P.Ravinder Reddy	DST	21,60,000	2015-2018 Extended to 31-12-2019
4		Eco-friendly Electric Solar Weed Cutter	Dr G Chandra Mohan Reddy	IEI R&D cell Kolkata	30,000	2015-16

2016						
1	CSE	Detecting Anomaly Pattern Sequences in Real Time Network	Dr. R. Ravinder Reddy	UGC	2,00,000	2016-2018 Under progress
2	ECE	A Local Short Term Model for Forecasting Ionospheric Scintillations for GNSS Applications over Indian Region	Dr. A. D. Sarma, Dr. N. V. KoteswaraRao And Dr. N. Alivelu Manga	ISRO, RESPOND	17,66,000	2016-2019 Three years
3	EEE	Design and Development of Grid Tied Inverter for Renewable Source Applications	Dr. G. Suresh Babu and Dr. T. Murali Krishna	Grant for R&D - The Institution of Engineers(India)	55,000	11 th Mar, 2016 & 2017
4	Mechanical	Design and development of components of artificial heart	Dr.P.Ravinder Reddy	Collaboration with US	50,00,000	2016-19
5		Experimental and Numerical Investigations on Friction Stir welding of Aluminum and Magnesium alloys	Dr.P.Ravinder Reddy	UGC Minor	2,70,000	2016-18
6		Design and Development of Smart Grid with Green Energy mix.	Dr.P.Ravinder Reddy, Dr.P.B. Subrahmanyam Dr.R.P.Choudary and Mrs Indira	Indo-US Joint Proposal	12,50,000	2016
2017						

1	ECE	Investigation of the Effects of Ionospheric Spatial decorrelation on Indian GBAS	Dr. A. Supraja Reddy, Dr. N. V. KoteswaraRao and Dr. K. Suman	SAC, ISRO, Ahmedabad	19,37,000	2017-2019
2	MCA	A Study on the effective use of ICT for education and learning purpose in various schools and colleges of Hyderabad and Secunderabad	Dr.B.Indira	UGC	2,13,500	2 years
3	Mechanical	Machine vibration analysis	Dr.G. Laxamaiah	AICTE	1,00,000	One year
2018						
1	CSE	PRERANA	Dr. R. Ravinder Reddy	AICTE	5,87,000	2018-19

Consultancy Projects

2015						
S. No	Name of the department	Title of the Project	PI/Co-PIs	Funding Agency	Amount (Rs)	Duration
1.	ECE	Performance Evaluation of IRNSS in the Context of user Position and Velocity	Dr.A.D. Sarma, Dr. D. Krishna Reddy and Sri .P. Sathish	RCI, DRDO, Hyderabad	15,00,000	2 Years 9 Months
2		Design and Development of DSP Processor Based Signal Processing Unit for Ring Laser Gyro	Dr. K. SubbaRao , Dr. N. V. KoteswaraRao and Sri E. Chandrasekhar	RCI/DCMM/LP/LPD-1/CARS/0313 (dated 03 Sep 2013)	7.85 Lakhs	2 Years
2016						
1	Mechanical	CFD analysis of pump jet propulsor	Dr. P. Ravinder Reddy	RR industries	1,20,000	6 months
2		FE analysis of pumpjetpropulsor	Dr. P. Ravinder Reddy	RR industries	1,40,000	6 months
3		Analysis of Antenna structure assembly	Dr. P. Ravinder Reddy	Astra Microwave	1,20,000	6 months
4		Design and Analysis of Base Frame Structure	Dr. P. Ravinder Reddy	Deccan Engineering	1,20,000	6 months
1	ECE	Improvement of Performance of RLG with Wavelet and S-Transform Algorithms	Dr.K.Subba and Dr. N. V. KoteswaraRaoRao	2016 RCI/DCMM/LPD/CARS-0368 dated 29 April 2016	9.75 Lakhs	2 Years

2018						
Sl. No	Name of the department	Name of the client/Organization	Nature of work		Amount	
1	Civil	SalasarBalajiTextiles,Gollapally,Mahabubnagar(D) & HPCL	Proof checking		76,400.00	
2		B.RamanaReddy,M.Sureshbabu,K.Santhoshetc (EG Lab)	Identification of Bore Well points		46,000.00	
3		Sri. C.VijayKumar Soil lab)	soil testing		15,000.00	
4		M/s.Siddhartha Constructions & South Central Railways	Testing of Ballast		8,750.00	
5		Hyegreeva Infra Projects Pvt LTD.,Brickingetc.(Concrete lab)	Cubes Testing		43,500.00	
2019						
S. No	Name of the department	Title of the Project	PI/Co-PIs	Funding Agency	Amount (Rs)	Duration
1	Mechanical	Optimization of Process parameters for Additive Manufacturing of Defence Components	Dr. G. Chandra Mohan Reddy and Dr. PVR Ravindra Reddy	CARS, DRDO	09.95 Lakhs	18 Months
2	Civil	1. Project Management Consultancy Services for the Cotton Mill Structure of SalasarBalaji Textiles at Gollapally near Jadcherla, Mahaboobnagar Dist. 2,25,000/- plus taxes applicable 2. Structural Designs and drawings for the proposed Skandhanshi Trade Center (Double Cellar +5Floors Commercial Complex), @Rs.2.00/Sq.ft of the total slab area amounting to Rs.2,25,000 plus taxes applicable.				

MODROB and other Projects

2015						
S. No	Name of the department	Title of the Project	PI/Co-PIs	Funding Agency	Amount (Rs)	Duration
1.	ECE	Multifunction Frequency and Time-Domain Signal Analyzer for Testing and Performance Evaluation of Cellular and Navigation Components and Systems	Dr. N. V. KoteswaraRao and Dr. A. D. Sarma	AICTE, New Delhi	20,00,000	2016 It was extended to 2018
2	Chemical	Computer Applications in Process Industries Lab	Dr. R. SreedharRao and Dr. P V Naga Prapurna	AICTE, New Delhi	19,16,0000	----
2017						
1	IT	Dr. RadhikaKavuri	Big-Data Analytics Lab	AICTE, New Delhi	60,000	2017-18
2018						
1	CSE	SPDP-Skill and Personality Development Programme Centre for SC/ST Students	Dr. M. Swamy Das	AICTE	12,44,000	2018-19 Two Years
2	EEE	Special Electrical Machines Lab	Dr. G. Suresh Babu	AICTE	17,36,000	29 th Apr, 2019

In House Projects

2014						
S. No	Name of the department	Title of the Project	PI/Co-PIs	Funding Agency	Amount (Rs)	Duration
1.	Bio-Tech	Design of photo tubular reactor for the production of bio diesel from Microalgae <i>Botryococcusbraunii</i> .	Mr. C. Obula Reddy	CBIT	25,000	2014, Completed on 30-6-2014
2	Civil	Experimental Investigations on the Impact of Vibrations and Sloshing in Liquid Storage Tanks, using simulation studies on Structural Models.	Prof. P.SreenivasSarma	CBIT, RPS	50,000	2014-16
3	Mechanical	Solar Powered Electric Car	Ch.IndiraPriyadarshini	CBIT TEQIP-II	2,00,000	2014-15
4		Solar Powered Electric Cars	Ch.IndiraPriyadarshini	CBIT TEQIP	7,00,000	2014-15
2015						
1	CSE	Text Extraction from hoardings (Text Recognition in Natural Images)	Dr. C.R.K. Reddy	CBIT	20,000/-	2015-17 Two Years

2		Digitalization of CBIT library old books and Journals	Dr. M. Swamy Das	CBIT	20,000/-	2015-17 Two Years
3		Classification through Mining Agents	E. Padmalatha	CBIT	20,000/-	2015-17 Two Years
2016						
1	Mechanical	Design and development of components of artificial heart	Dr. P. Ravinder Reddy Mr. T. Rugveda	CBIT Cornell University & University of Pittsburgh, USA	50,00,000	2016-2019
2017						
1	Bio-Tech	Biogas production from canteen waste by using UASB Bioreactor	Dr. AVN. Swamy	TEQIP-II, CBIT	39,800	2017-18 , Completed on 1-4-2018
2	Civil	Mechanical Properties and Durability aspects of bacterial concrete	P.Srinivas Reddy	CBIT, RPS	80,000	2017-18
3	ECE	Measurement of Liquid Flow Rate Using Non-Invasive Method as a part of Artificial Heart Research Project	Dr. N.V. KoteswaraRao, Sri P. Siva Krishna Sri. P. Sathish and Sri. G. Mallikarjuna	CBIT, Minor Research Project	2,20,000	1.5 Years