Name of the Department: Electronics and Communication Engineering

Brief Details of Sponsored and Consultancy Research Projects

(Since Inception of the Department in Chronological Order)

A) Sponsored R&D Projects

S. no.	Title of the Project	Funding Agency	Scheme of the Consultancy project	Amount Sanctioned	Sanction Order	Period and Duration of Project	Name of the PI	Name of the Co-PIs	Status
1.	Analysis of Printed slots and slot Coupled Radiators using MOM	AICTE, New Delhi	RPS	3.50 Lakhs	2004 8020/RID/NPROJ/R&D Dt. 10.03.2003	(2003-06) 3 Years	Dr.N.V.Koteswara Rao	-----	Completed
2.	Data Processing Techniques to Improve Real-time Performance of GNSS Systems	DST, New Delhi	SERB	9.41 Lakhs	2012 SR/S4/AS:89/2012 (dated 25.09.2012)	(2012-14) 2 Years	Dr. D. Krishna Reddy	Dr.A.D.Sarma	Completed
3.	Design and Development of Palm Leaf Character Recognition System	AICTE, New Delhi	RPS	7.31 Lakhs	2013 (AICTE Order No. 20/AICTE/RIFD/RPS(Policy-1)25/2013-14)	(2013-16) 3 Years	P N Sastry	Dr.N.V.KoteswaraRao	Completed
4.	Multifunction Frequency and Time-Domain Signal Analyzer for Testing and Performance Evaluation of Cellular and Navigation Components and Systems	AICTE, New Delhi	MODROBS	20.00 Lakhs	2015 (9-89/RIFD/MODROB/Policy-1/2014-15 dated 03 March 2015)	(2015-18) 3Years It was extended up to 2018	Dr.N.V.KoteswaraRao	Dr.A.D.Sarma	Completed

B) Sponsored Consultancy Projects

S. no.	Title of the Project	Funding Agency	Scheme of the Consultancy project	Amount Sanctioned	Sanction Order	Period and Duration of Project	Name of the PI	Name of the Co-PIs	Status
	A Local Short Term Model for Forecasting Ionospheric Scintillations	ISRO, Bangalore	RESPOND	17.66 Lakhs	2015	(2015-18)	Dr. N. V. KoteswaraRao		
1.	IE 3D software Usage for Microstrip Antenna Simulation	GE India Business Center, Hyderabad	--	0.25 Lakhs	2003	2003 0.5 Years	Dr. N. V. Koteswara Rao	---	Completed
2.	Design and Development of DSP Processor Based Signal Processing Unit for Ring Laser Gyro	RCI, DRDO, Hyderabad	CARS	7.85 Lakhs	2013 RCI/DCMM/LP/LPD-1/CARS/0313 (dated 03 Sep 2013)	(2013-15) 2 Years	Dr. K. SubbaRao	Dr. N. V. KoteswaraRao Sri E. Chandrasekhar	Completed
3.	Performance Evaluation of IRNSS in the Context of user Position and Velocity	RCI, DRDO, Hyderabad	CARS	15 Lakhs	2015 ITS:CARS-336 dated 02 Feb 2015	(2015-17) 2 Years 9 Months extended up to Dec. 2017	Dr.A.D. Sarma	Dr. D. Krishna Reddy Sri .P. Sathish	Completed
4.	Improvement of Performance of RLG with Wavelet and S-Transform Algorithms	RCI, DRDO, Hyderabad	CARS	9.75 Lakhs	2016 RCI/DCMM/LPD/CARS-0368 dated 29 April 2016	(2016-18) 2 Years	Dr.K.Subba Rao	Dr. N. V. Koteswara Rao	Completed
5.	Design & Development of Multi input and Multi Frequency Antenna for Missile Applications	DRDL, DRDO , Hyderabad	CARS	9.79999 Lakhs	2022 DRDL/23CR0004/APS/APS/DOMR/76097	30.12.2022-05.01.2024 (one year)	Dr. N. V. Koteswara Rao	Dr. Jeet Ghosh	Ongoing
6.	Study of Static Flow Measurement Technology	Skylark Smart Meters Pvt Ltd, Hyderabad	--	2. 58656 Lakhs	SKYLARK/PO/2022-23/2327 dated 27 March 2023	March 2023 to Aug 2023	Mohd Ziauddin Jahangir	G. Mallikharjuna Rao	Ongoing
12.	conversion of Cellulose waste to Graphene Nanomaterial for Hydrogen Fuel generation.	MSME	Innovative Idea Hackathon 2.0	15,00,000	IDEATS008537	(2023-24) 1 year	Dr. M. Bhanu Chandra	---	Ongoing
13.	Design of a wearable electromyography (emg) system for epilepsy patients using IOT deep learning	MSME	Innovative Idea Hackathon 3.0 (Women)	15,00,000	IDEATS017547	(2024-25) 1 year	G.Ajitha	Dr. S. Siva Priyanka	Ongoing
14.	Framework for Assessing Women in Digital Technology and its Impact on SDG 3, SDG 5	ICSSR	Punyashloka DeviAhilyabai Holkar - Special Call	12,00,000	102/WLD-2025-2503/SCD	(2025-26) 1 year	Dr. S. Radha	Dr. M. Ventaka Sireesha	Ongoing

15.	Development of Post Processing Software for precise positioning using NavIC triple frequency measurements (L1, L5 and S)	ISRO	RESPOND Programme	18,72,400	ISRO/RES/4/747/25-26	(2025-27) 2 year	Dr. D. Sony	Dr. A. Supraja Reddy Dr. T. Sridher Dr. D. Nagadevi	Ongoing
16.	AI powered Flying Bird	MSME	Innovative Idea Hackathon 4.0	15,00,000	IDEATS025544	(2025-26) 1 year	T. Sowmya	Dr. M. Bhanu Chandra	Ongoing