

Department of CSE

| Name of the faculty | Project Title | Project Type: Research | Funding Agency | Amount | Duration |
|-----------------------------------|--|------------------------|----------------|-------------|-----------------------------|
| Dr. Y. Ramadevi / Dr.T.Sridevi | Development of a wireless peer to peer network based for IoT edge devices of gateway range | RPS | AICTE | 4,39,561/- | Sanctioned 2019-2022 |
| Dr.M.Swamy Das | CBIT-Webo | Robot | CBIT | 1,25,000/- | Completed 2019-2020 |
| Dr. R.Ravinder Reddy | Detecting Anomaly Pattern Sequences in Real Time Network | Research Project | UGC | 2,00,000/- | Completed 2019-2020 |
| Dr. R. Ravinder Reddy | PRERANA | Research Project | AICTE | 5,87,000/- | Under Progress 2019-2020 |
| Dr. M. Swamy Das | SPDP-Skill and Personality Development Program Centre for SC/ST Students | Research Project | AICTE | 12,44,000/- | Under Progress 2019-2020 |

Department of ECE

Sponsored R&D Projects

| Si. No. | Title of the Project | Funding Agency | Name of the Scheme | Amount Sanctioned | Sanction Order | Duration of Project | Name of the PI | Name of the Co-PI | Year of completion |
|---------|--|----------------------|-----------------------------------|-------------------|---|---------------------|----------------------|---|------------------------------------|
| 1 | Analysis of Printed slots and slot Coupled Radiators using MOM | AICTE, New Delhi | RPS | 3.5 Lakhs | 2004 8020/RID/NPROJ/R&D Dt. 10.03.2003 | 3 Years | Dr.N.V.Koteswara Rao | ----- | 2007 |
| 2 | Data Processing Techniques to Improve Real-time Performance of GNSS Systems | DST, New Delhi | SERB | 9.404 Lakhs | 2012 SR/S4/AS:89/2012 (dated 25.09.2012) | 2 Years | Dr. D. Krishna Reddy | Dr.A.D.Sarma | 2014 |
| 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) | 3 Years | P N Sastry | Dr.N.V.KoteswaraRao | 2016 |
| 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 Lakhs | 2015 (9-89/RIFD/MODROB/Policy-1/2014-15 dated 03 March 2015) | 1 Year | Dr.N.V.KoteswaraRao | Dr.A.D.Sarma | 2016 It was extended up to 2018 |
| 5 | A Local Short Term Model for Forecasting Ionospheric Scintillations for GNSS Applications over Indian Region | ISRO, Bangalore | RESPOND Programme | 17.66 Lakhs | 2015 ISRO/RES/2/399/15-16, dated 13 th July 2015 | 3 Years | Dr.A.D. Sarma | Dr. N. V. KoteswaraRao Dr.N. Alivelu Manga | 2019 |
| 6 | Investigation of the Effects of Ionospheric Spatial decorrelation on Indian GBAS | SAC, ISRO, Ahmedabad | NavIC GAGAN Utilization Programme | 19.37 Lakhs | 2017 Project ID:NGP-11 dated 23 Jan 2017 | 3 Years | Dr. A. Supraja Reddy | Dr. N. V. KoteswaraRao Dr. K. Suman | 2020 |

Sponsored Consultancy Projects

| Si. No. | Title of the Project | Funding Agency | Name of the Scheme | Amount Sanctioned | Sanction Order | Duration of Project | Name of the PI | Name of the Co-PI | Year of completion |
|---------|--|-------------------------------------|--------------------|-------------------|---|---------------------|-------------------------|--|--------------------|
| 1 | IE 3D software Usage for Microstrip Antenna Simulation | GE India Business Center, Hyderabad | -- | 0.25Lakhs | 2003 | 0.5 Years | Dr. N. V. Koteswara Rao | --- | 2004 |
| 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) | 2 Years | Dr. K. SubbaRao | Dr. N. V. KoteswaraRao Sri E. Chandrasekhar | 2015 |
| 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 | 2 Years 9 Months | Dr.A.D. Sarma | Dr. D. Krishna Reddy Sri .P. Sathish | 2017 |
| 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 | 2 Years | Dr.K.Subba Rao | Dr. N. V. Koteswara Rao | 2018 |

Department of Mechanical Engineering

List of Ongoing Projects (Research or otherwise)(Draft)

| S. No | Name of the Principal Investigator (PI) / Co Investigator | Department | Name of the Project | Name of Funding Agency | Term of the Project | Amount (Rs.) sanctioned in financial year |
|-------|---|------------|---|---|-----------------------|---|
| 1. | Dr. P. Ravinder Reddy Dr. G. Laxmaiah | Mechanical | FE Analysis of EFGC 16 | J K Fenner (India) Ltd, Hyderabad (Consultancy) | 2020-21 | 47,200 |
| 2. | Dr. P. Ravinder Reddy | | Design and development of components of artificial heart | Collaboration with US (In-House) | 2017-21 | 50,00,000. |
| 3. | Dr. G. Chandra Mohan Reddy and Dr. P.V.R. Ravindra Reddy | | Optimization of Process parameters for Additive Manufacturing of Defence Components | CARS, DRDO (Consultancy) | 2019-2021 (18 Months) | 9.95,000. |
| 4. | Head of the Department and Dr. S. Narasimha Kumar | | Development of Ceramic Coated Diesel Engine Fuelled with CNG and Biodiesel Blended | AICTE-MODROB | (2020-22) 2 Years | 9,94,725 |
| 5. | Mr. A. Chandrakanth & Mrs. P. Anjani Devi | | Utilization of 3D Printing | Innopark ventures | 2021 | 70,000 |

Department of EEE

List of Research Projects:

- Number of Projects carried out, funding agency, Grant received: **01 (AICTE- RPS, Grant received 11.00 Lakhs, Title : An Efficient Low Cost Flexible Quality Conditioner to Mitigate power Quality Issues).**

Consultancy works:

| S.No | Year | Amount (in Rs.) |
|------|------|-----------------|
| 1 | 2001 | 41,000 |
| 2 | 2002 | 1,20,000 |
| 3 | 2003 | 31,800 |
| 4 | 2005 | 3,000 |

