



SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati - 517 102.

Status of Research Projects as on 21st March, 2022.

| Sl. No. | Name of the Principal Investigator | Name of the Dept. | Title of the Project | Funding Agency | Year of Sanction | Duration Period | Amount (Rs. in Lakhs) | Status |
|---------------------------|---|-------------------|--|----------------|------------------|---------------------|-----------------------|-----------|
| Ongoing Projects | | | | | | | | |
| 1. | Dr. S. Ragu Nathan | ME | AMT-DST Funded Project Title: Development of Automated Fixture for Friction Stir Welding of Defence grade AA5083/AA7075 Pipes | DST | 2021-22 | 3 Years | 39.89 | Ongoing |
| 2. | Dr. T. Devaraju | EEE | Science Technology Innovation Hub | DST | 2020-21 | 3 Years | 361.3 | Ongoing |
| 3. | Dr. N. Padmaja | ECE | IDEA Lab | AICTE | 2020-21 | 3 Years | 113.96 | Ongoing |
| 4. | Ms. E. Sujatha | ECE | VLSI Design and implementation of optimized turbo channel coding system for advanced wireless communication systems | DST-WOS-A | 2018-19 | 3 Years | 3.50 | Ongoing |
| 5. | Dr. V. R. Anitha / Dr. P. Geetha | ECE | Design and Development of Micro Cantilever Based Biosensor for Early Detection of High Risk Human Papiloma Virus | DST | 2017-18 | 3 Years | 36.49 | Ongoing |
| 6. | Mr. K. Ayyappa Swamy | EIE | Frequency modulated hearing aid for elderly with hearing disability | DST-TIDE | 2017-18 | 2 Years 6 Months | 54.13 | Ongoing |
| TOTAL: | | | | | | | 609.27 | |
| Completed Projects | | | | | | | | |
| 7. | Dr. P. Meera | BS&H | Green Packages based on darbha grass for milk packaging | DSIR | 2019-20 | 9 Months | 9.00 | Completed |
| 8. | Dr. Aniruddh Bahadur Yadav | ECE | Synthesis of Pt Nano wire on Silicon substrate | INUP | 2017-18 | 1 Year | 4.00 | Completed |
| 9. | Dr. G. Sasi Kumar Dr. M. Naresh Babu | CSSE | Intelligent system to classify human brain signals for finding brain diseases | DST - CSRI | 2017-18 | 3 Years | 23.73 | Completed |
| 10. | Dr. Aniruddh Bahadur Yadav | ECE | Top gate Field Effect Transistor for Electronics and Gas sensing Application where channel functionalized by catalyst metal to improve the sensitivity | INUP | 2016-17 | 1 Year | 3.00 | Completed |
| 11. | Dr. Aniruddh Bahadur Yadav | ECE | Identification of suitable precursor to grow highly vertically aligned ZnO Nano Rods by hydrothermal method on SiO ₂ /Si substrate | INUP | 2016-17 | 1 Year | 3.00 | Completed |
| 12. | Dr. Aniruddh Bahadur Yadav | ECE | "Study of gate thickness effect on gas sensing and UV detection Properties of top gate thin film transistor" | INUP | 2016-17 | 1 Year 5 Months | 14.00 | Completed |
| 13. | Dr. B. Palakshi Reddy | BS & H | Synthesis of Ni Nano particles using Polyphenols and its Application in Conversion of Bispidinones to Bispidinols | UGC Minor | 2016-17 | 2 Years | 2.20 | Completed |

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|---------------|---|-------------------|--|---|------------------|-----------------|-----------------------|-----------|
| 14. | Dr. G. Syam Prasad | BS & H | Kinetics for Phase-Transfer Catalytic addition of Dichlorocarbene to Imine under the influence of ultrasound conditions | UGC Minor | 2016-17 | 2 Years | 2.70 | Completed |
| 15. | Dr. Rasheed Syed | BS & H | Synthesis of Biologically active substituted Triazoles and Tetrazoles | UGC Minor | 2016-17 | 2 Years | 1.80 | Completed |
| 16. | Ms. P. Dhanalakshmi | CSSE | Development of Mathematical Model for the Prediction of Customer Behavior in Online Databases | UGC Minor | 2016-17 | 2 Years | 1.95 | Completed |
| 17. | Dr. K. Ramani | IT | Fast Content based Search, Navigation and Retrieval System for e-Learning | UGC Minor | 2016-17 | 2 Years | 3.90 | Completed |
| 18. | Dr. M. M. Kesavulu | Biotech | In-Silico and Experimental Studies to Understand the Mechanism of Action of Resist in | DBT | 2015-16 | 3 Years | 8.66 | Completed |
| 19. | Dr. M. V. Subba Reddy | CIVIL | An Integrated Approach for sustainable Development and Management of Surface and Ground water Resources in Tirupati Rural Micro watersheds | UGC Major | 2015-16 | 3 Years | 6.19 | Completed |
| 20. | Dr. N. Padmaja | ECE | MST Radar Signal Processing using Emperical Mode Decomposition and Hilbert Huang Transform | ISRO-RESPOND | 2014-15 | 2 Years | 16.74 | Completed |
| 21. | Dr. Y. B. Kiran Kumar | BS & H | Studies on synthesis of Novel Phosphonate Nucleoside Prodrugs and their Biological Applications | UGC Minor | 2014-15 | 3 Years | 4.15 | Completed |
| 22. | Dr. Y. B. Kishore Kumar | BS & H | Investigations on Cu ₂ ZnSnS ₄ Thin Films as Absorber Layer in Thin Film Hetero junction Solar Cells | UGC Minor | 2014-15 | 3 Years | 4.9 | Completed |
| 23. | Dr. K. Suneetha | MCA | eZ-News: An Application to Provide News Articles as per Individual Preferences | UGC Minor | 2014-15 | 1 Year | 0.6 | Completed |
| 24. | Dr. D. V. Ramamurthy Mr. G. V. Sunil Kumar | MECH | Design and Fabrication considerations For MEMS based Device from Omni Directional Harvesting of Mechanical Vibration Energy | INUP (IIT Bombay) | 2013-14 | 2 Years | 7.2 | Completed |
| 25. | Dr. A. Jyothi Babu | MCA | Sunayas Math-A mathematical tool for young minds | DST | 2013-14 | 1 Year | 8.69 | Completed |
| 26. | Dr. V. R. Anitha | ECE | Electrically Small Miniaturized Novel Antennas for Wireless Systems | DST-FIST | 2012-13 | 5 Years | 20.00 | Completed |
| 27. | Dr. V. R. Anitha | ECE | Simulation and fabrication of reconfigurable Novel fractal tree antenna for Multi-Band applications | INUP (IIT Bombay) | 2011-12 | 3 Years | 15.00 | Completed |
| 28. | Dr. P. Vishnu Prasanth | BS & H | Studies on Gravity waves on Northern and Southern hemispheres using LIDAR & RADAR observations | DST Fast Track Scheme for young scientists | 2011-12 | 3 Years | 19.70 | Completed |
| Total: | | | | | | | 181.16 | |

PRINCIPAL