

Sponsored Research Projects:-

| S.No. | Project Title | Principal Investigator | Funding Agency | Year of sanction | Funds provided |
|-------|---|---|--|------------------|----------------|
| 1. | Design and Development of High Isolated MIMO Antennas for Mobile Handset | Dr. Hari Shankar Singh | Thapar Institute of Engineering & Technology | 2018 | 4.70.Lacs |
| 2. | Development of an Efficient Blind Source Separation Scheme for Natural Images in Soft Computing Network | Dr. Amit Mishra | Thapar Institute of Engineering & Technology | 2017 | 4.90.Lacs |
| 3. | Design of Nature Inspired Algorithm for Antenna Array Optimization | Dr. Urvinder Singh | Thapar Institute of Engineering & Technology | 2017 | 4.40.Lacs |
| 4. | Analysis of Electroencephalogram Signals for Implementation of P300 Based Brain Computer Interface | Dr. Rahul Upadhyay | Thapar Institute of Engineering & Technology | 2017 | 5.00.Lacs |
| 5. | Development and Realization of Accurate Temperature-Dependent Equivalent Circuit models for Multi Layer Graphene Nano Ribbon (MLG NR) Based VLSI Interconnects at Deep Submicron Technology Nodes | Dr. Mayank Kumar/ Dr. Rajesh Khanna | Council of Scientific and Industrial Research(CSIR) | 2017 | 29.46 Lacs |
| 6. | Study of Antenna Parameters | Dr. Rajesh Khanna/ Dr. V P Singh | DRDO | 2017 | 32.9 Lacs |
| 7. | Special Manpower Development Programme for Chips to System Design | Dr. Alpana Agarwal/ Ms. Manu Bansal | DeitY | 2016 | 1.66 Cr |
| 8. | Low-Complexity Power-Efficient Reconfigurable Implementation of Fractional Order Filters for Weak ECG Nonstationary Biomedical Signal Processing Applications | (Dr. Sanjay Kumar/ Dr. Alpana Agarwal) / Dr. Ravinder Agarwal | DST-SERB | 2016 | 53.95 Lacs |

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| 9. | Digital Image Copy-Move Forgery Detection-A Passive Approach | Dr. Neeru Jindal | Thapar Institute of Engineering & Technology | 2015 | 4.00.Lacs |
| 10. | Design and development of the plasma column for the study plasma antenna and switches | Dr. Rana Pratap Yadav | TIET+IPR | 2015 | 15 Lacs |
| 11. | Design and development of the Reconfigurable Plasma Antenna | Dr. Rana Pratap Yadav | DST SERB | 2015 | 28 Lacs |
| 12. | Design and Development of load resilient mock-up ICRH system of Tokamak with variable load | Dr. Rana Pratap Yadav | Board of research in nuclear sciences (BRNS) | 2015 | 35 Lacs |
| 13. | SDR Implementation of Window based OFDM System for various Wireless Applications with Improved Performance | Dr. Hemdutt Joshi | Thapar Institute of Engineering & Technology | 2014 | 5.00Lacs |
| 14. | Fabrication of Integrated Micro-heater and IDT's for Soil-gel deposited Zinc Oxide (ZnO) based gas Sensor application | Dr. Anil Arora | Thapar Institute of Engineering & Technology | 2014 | 5.00 Lacs |
| 15. | Development of Photonic Crystal Biosensor for Detection of Foodborne Pathogens | Dr. R.S. Kaler | DBT | 2014 | 31 Lacs |
| 16. | Performance analysis of Dense wavelength division multiplexed systems. | Dr. R.S. Kaler | UGC | 2011 | 10 Lacs |