

Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

| Name of the Project/<br>Endowments, Chairs  | Name of the<br>Principal<br>Investigator/Co-<br>investivator | Department<br>of Principal<br>Investigator | Year of<br>Award | Amount<br>Sanctioned | Duration<br>of the<br>project | Name of the<br>Funding<br>Agency | Type<br>(Government/n<br>on-<br>Government) |
|---|--|--|------------------|----------------------|-------------------------------|----------------------------------|---|
| 2016-17   |  |  |                  |                      |                               |                                  |   |
| Manufacturing of nanostructured materials processed by severe plastic deformation process                   | Dr. Siddesha H.S.  | Mech                                       | 2016-17          | 7000                 | 6 Months                      | KSCST                            | Government                                  |
| Multifunction coconut dehusking and coir yarn rope spinning machine   | Dr. M Eswaramoorthy  | Mech                                       | 2016-17          | 6000                 | 6 Months                      | KSCST                            | Government                                  |
| Experimental Studies on -phase Change material base thermal energy storage for low temperature applications | Dr. R. Sivasubramaniyam                                      | Mech                                       | 2016-17          | 25000                | 6 Months                      | RRGI                             | Non government                              |
| Secure Audtiting and reduoplicating data in cloud   | Mrs. Sunita Chalageri and Mrs. V. Mareeswari                 | CSE  | 2016-17          | 20500                | 6 Months                      | RRGI                             | Non government                              |

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| Android Applications to track lost item using Sensors                                | Mrs. Usha                                   | CSE                      | 2016-17 | 27000  | 6 Months | RRGI | Non government |
| Home Automation system with mobile phone   | Dr. D. Shivakumar and Dr. C. S. Pillai      | CSE                      | 2016-17 | 25000  | 6 Months | RRGI | Non government |
| Network Security Enhancement using directional Antenna in WSN                        | Mr. Panchakshari                            | CSE                      | 2016-17 | 20000  | 6 Months | RRGI | Non government |
| Novel Method for Data aggregation for irrigation using WSN                           | Mr. Mantesh M and Mr. Shivaprasad K H       | CSE                      | 2016-17 | 20000  | 6 Months | RRGI | Non government |
| VLSI Architecture for Quadtree partitioning FIC decoder                              | Mr. A. Muruganandam                         | ECE                      | 2016-17 | 25000  | 6 Months | RRGI | Non government |
| Performance of soil Nail walls in seismic Condition by numerical simulations         | Mrs. Kavitha S                              | Civil                    | 2016-17 | 25000  | 6 Months | RRGI | Non government |
| A Novel of Minning for product opinion and review on the mobile commerce application | Mr. Vinoth Kumar and DR. T. Senthil Kumaran | CSE                      | 2016-17 | 20000  | 6 Months | RRGI | Non government |
| Major projects   | Dr. Mukesh R                                | Aeronautical Engineering | 2016-17 | 477000 | 3 Year   | ISRO | Government     |

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| Any other  | Mr. Elangovan and<br>Dr. Eswarmorthy | AE and<br>Mech | 2016-17       | 300000  | 1 Year   | ISRo and<br>DST  | Government |
|  |                                      |                |               | 997500  |          |  |            |
| 2017-18  |                                      |                |               |         |          |  |            |
| Industry sponsored<br>Projects   | Prof.P.Soma                          | Aeronautical   | 2017-18       | 204,000 | 3 Year   | Space<br>Applications<br>Centre<br>(SAC),<br>ISRO, India | Government |
| Nanostructure and<br>Mechanical Properties<br>of titanium alloy<br>Processed by<br>constrained Groove<br>Pressing                | Dr. H. S. Siddesha                   | Mech           | 2017-<br>2018 | 7000    | 6 Months | KSCST  | Government |
| An Experimental<br>Investigation of the<br>Performance of single<br>cylinder CI Engine<br>Fuelled with Biodiesel<br>and Hydrogen | Dr. R.<br>Sivasubramaniyam           | Mech           | 2017-<br>2018 | 8000    | 6 Months | KSCST  | Government |
| Nano structure and<br>Mechanical properties<br>of titanium alloy by<br>constrained groove  | Dr. H. S. Siddesha                   | Mech           | 2017-<br>2018 | 10000   | 6 Months | VTU  | Government |

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| pressing  |   |       |             |         |            |                    |            |
| An Experimental Investigation of the Performance of single cylinder CI Engine Fuelled with Biodiesel and Hydrogen | Dr. R. Sivasubramaniyam/<br>Prof.Rakesh | Mech  | 2017-2018   | 10000   | 6 Months   | VTU                | Government |
| Fabrication & Testing of simulated wideband micro strip   | Dr H.B.Bhuvaneshwari                    | ECE   | 2017-2018   | 7500    | six months | VTU research Grant | Governemnt |
| Improving the performance of elevator using IOT   | Dr.Mathivanan                           | ECE   | 2017 - 2018 | 7500    | six months | VTU research Grant | Governemnt |
| Client Side secure image deduplication in cloud storage   | Mr. Vinoth Kumar                        | CSE   | 2017 - 2018 | 7500    | six months | VTU research Grant | Governemnt |
| Facial Expression Recognition using convolucional network   | Dr. V. Mareeswari                       | CSE   | 2017 - 2018 | 7500    | six months | VTU research Grant | Governemnt |
| Any Other   | Dr. Kumar raju                          | Civil | 2017 - 2018 | 300000  | 1 year     | ISTE DST           | Governemnt |
|   |   |       |             | 569,000 |            |                    |            |
| 2018-19   |   |       |             |         |            |                    |            |

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| Industry sponsored Projects  | Prof.P.Soma                            | Aeronautical | 2018-19   | 431,000 | 3 Year     | Space Applications Centre (SAC), ISRO, India | Gouvernement   |
| Students Sponsored Projects  | Prof.R.R Elangovan                     | Aeronautical | 2018-19   | 30,000  | 6 Months   | Indian Institute of Technology, Delhi        | Gouvernemnt    |
| Research/Project- Team ADRALINE Rush is Participating in MEGA ATV      | Dr. R Siva Subramaniyam Dr. Suresh P M | Mech         | 2018-2019 | 320000  | 1 Year     | RRGI   | Non-Government |
| Smart Parking Lot System   | Mr. Harish .L                          | ECE          | 2018-2019 | 15000   | six months | VTU research Grant                           | Gouvernemnt    |
| Smart tracking for theft mobiles using android applications            | Dr.Mathivanan                          | ECE          | 2018-2019 | 15000   | six months | VTU research Grant                           | Gouvernemnt    |
| Data Acquisition system in car using IOT                               | Mrs. Jyoti Metan                       | CSE          | 2017      | 15000   | 6 months   | VTU  | Government     |
| Wireless Sensor Network and Internet of Things solution in Agriculture | Mr.Krishna Kumar A                     | CSE          | 2017      | 15000   | 6 months   | VTU  | Government     |

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| AIP Conference  | Dr. T Senthil Kumaran                   | CSE          | 2017-18   | 320000    | 1 Month  | RRGI   | Non-Government |
|   |   |              |           | 1,161,000 |          |  |                |
| 2019-20   |   |              |           |           |          |  |                |
| Students Sponsored Projects   | Dr.G.Ramanan                            | Aeronautical | 2019-20   | 14000     | 6 Months | National College Incubation Centre, Kovilpatti | Non-Governemnt |
| Computational Identification and prediction of Covid-19 using AI and ML | Dr. R. Mukesh, Dr. Dwajani, Dr. Prakash | Aerospace    | 2019-2020 | 90000     | 6 Months | VTU TEQIP                                      | Government     |
| SMART EQUIPMENT FOR PAIN FREE JAW MOVEMENT                              | Mr Hemanth Kumar G                      | BME          | 2020      | 5000      | 6 MONTHS | KSCST  | GOVERNMENT     |
| DESIGN AND FABRICATION OF CARBON FIBRE FRAME FOR FIREARM                | Dr. Suresh P M                          | Mech         | 2019-2020 | 5500      | 6 MONTHS | KSCST  | GOVERNMENT     |

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| THE EFFECT OF NANO-ADDITIVES IN DIESEL/BIODIESEL FUEL BLENDS: AN EXPERIMENTAL INVESTIGATION ON ENGINE PERFORMANCE AND EMISSION CHARACTERISTICS. | Dr. R Siva Subramaniam | Mech      | 2019-2020 | 6000    | 6 Months | KSCST   | Government     |
| Any other(Specify)  | Dr. Mukesh R           | Aerospace | 2019-2020 | 1050000 | 1 Year   | RRGI  | Non-Government |
| DESIGN AND FABRICATION OF CARBON FIBRE FRAME FOR FIREARM  | Dr. Suresh P M         | Mech      | 2019-2020 | 30000   | 1 Year   | The Institution of Engineers (India): R&D Grant-in-aid Scheme | Non-Government |
| Any other(Specify)  | Dr. R. Sivasubramaniam | Mech      | 2019-2020 | 247,570 | 1 Year   | RRGI  | Non-Government |
| Instruments for Research Center for Chemistry Dept  | Dr. K. Shivakumar      | Chemistry | 2019-2020 | 124,884 | 3 Year   | RRGI  | Non-Government |
| 3 Days FDP on Student Induction Program   | Dr. T Senthil Kumaran  | CSE       | 2019-20   | 85,568  | 3 Days   | AICTE   | Governemnt     |

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|  |  |                          |           | 1,658,522 |          |   |              |
| 2020-21  |  |                          |           |           |          |   |              |
| Experimental Investigation and Analysis of Automotive & Aerospace Components for NVH Characteristics | Dr. Suresh PM                          | Mechanical               | 2020-21   | 210000    | 3 Years  | AICTE Quality Improvement Scheme (AQIS) - Research Promotion Scheme (RPS) | Government   |
| Industry sponsored Projects  | Dr.A.K.Sarkar                          | Aeronautical Engineering | 2020-21   | 964,390   | 1 Year   | DRDO, Ministry of Defence, Govt of India                                  | Gouvernement |
| Conceptual Aerodynamic Design of Expendable attack UAV   | Dr. P. Theerthamalai and Dr. R. Mukesh | Aerospace                | 2020-2021 | 958990    | 1 Year   | ADE, Bangalore  | Government   |
| Students Research Projects   | Dr.G.Ramanan                           | Aeronautical Engineering | 2020-21   | 6000      | 6 Months | KSCST   | Gouvernement |
| IOT BASED UNIT FOR COPD TREATMENT  | Dr Anitha .S                           | BME                      | 2021      | 5500      | 6 MONTHS | KSCST   | GOVERNMENT   |
| PAIN RELIEF DEVICE FOR THE   | Mr. Hemanth Kumar G                    | BME                      | 2021      | 5000      | 6 MONTHS | KSCST   | GOVERNMENT   |



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| TREATMENT OF MIGRAINE   |                       |            |           |       |          |       |            |
| PILLBOT: A NON CONTACT MEDICINE DISPENSING ROBOT FOR PATIENTS IN QUARANTINE | Mrs. Nanditha Krishna | BME        | 2021      | 5000  | 6 MONTHS | KSCST | GOVERNMENT |
| FABRICATION OF SHEET METAL CUTTING MACHINE AND FOOT STEP POWER GENERATION   | Mr. Sunil Raj B A     | Mechanical | 2020-2021 | 7000  | 6 Months | KSCST | Government |
| Students Research Projects  | Mrs.Poonam Kumari     | CSE        | 2021      | 2500  | 6 months | KSCST | Government |
| IOT BASED UNIT FOR COPD TREATMENT   | Dr Anitha .S          | BME        | 2021      | 5000  | 6 MONTHS | VTU   | GOVERNMENT |
| PILLBOT: A NON CONTACT MEDICINE DISPENSING ROBOT FOR PATIENTS IN QUARANTINE | Mrs. Nanditha Krishna | BME        | 2021      | 5000  | 6 MONTHS | VTU   | GOVERNMENT |
| Industrail Boiler Monitoring using IOT                                      | Dr H.B.Bhuvanewari    | ECE        | 2020-21   | 5,000 | 6 Months | VTU   | Government |

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| Social Distancing and Monitoring using Yolo V3   | Mr. Harish L       | ECE                      | 2020-21   | 5,000 | 6 Months | VTU | Government |
| DESIGN AND FABRICATION OF low cost modified maneuverable standing and stretcher wheel chair transport system                                   | Dr. Suresh P M     | Mechanical               | 2020-2021 | 5,000 | 6 Months | VTU | Government |
| Ultrafine Grain Structure Development of Carbon steel processed using severe plastic deformation process by cyclic constrained groove pressing | Dr. H. S. Siddesha | Mechanical               | 2020-2021 | 5,000 | 6 Months | VTU | Government |
| Crop analysis using UAV  |                    | Aeronautical Engineering | 2020-2021 | 5,000 | 6 Months | VTU | Government |
| Experimental study of waste to wealth geopolymer concrete  | Mrs. Kavitha       | Civil                    | 2020-2021 | 5,000 | 6 Months | VTU | Government |
| Students Research Projects   | Mrs.Kavya G        | CSE                      | 2021      | 5,000 | 6 months | VTU | Government |

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| Short Term Training Programme (STTP) under AQIS ON INDUTRY 4.0 | Dr H.B.Bhuvanewari | ECE | 2020 | 396,667 | six months | AICTE, New Delhi | Government |
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2,606,047