

Research project undertaken during the last five years

| Sl.No. | Department | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | Total |
|--------|--|---------|-----------|---------|---------|---------|----------|
| 1 | Civil Engineering | 5009060 | | 2354000 | | | 7363060 |
| 2 | Mechanical Engineering | 1075000 | 770000 | 550000 | | 6000 | 2401000 |
| 3 | Electrical and Electronics Engineering | 2630500 | 521000 | 324136 | | | 3475636 |
| 4 | Computer Science & Engineering | 1200000 | 41,09,900 | 4851500 | | | 6051500 |
| 5 | Information Science & Engineering | | | | 3500 | 1505000 | 1508500 |
| 6 | Automobile Engineering | | | | 17500 | | 17500 |
| 7 | Ceramics & Cement Technology | | | | 5607843 | 500000 | 6107843 |
| | Total | 9914560 | 1291000 | 8079636 | 5628843 | 2011000 | 26925039 |

Total number of projects in last five years

| Sl.No | Department | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | Total |
|-------|---|---------|---------|---------|---------|---------|-------|
| 1 | Civil Engineering | 2 | | 3 | | | 05 |
| 2 | Electrical and Electronics Engineering | 4 | 3 | 2 | | 1 | 10 |
| 3 | Electronics & Communication Engineering | 6 | 3 | 2 | | | 11 |
| 4 | Computer Science & Engineering | 4 | 3 | 4 | | | 11 |
| 5 | Information Science & Engineering | | | | 1 | 2 | 3 |

| | | | | | | | |
|---|------------------------------|----|---|----|---|---|----|
| 6 | Automobile Engineering | | | | 2 | | 2 |
| 7 | Ceramics & Cement Technology | | | | 1 | 2 | 3 |
| | Total | 16 | 9 | 11 | 4 | 5 | 45 |

1. Civil Engineering

| Sl. No. | Name of Faculty | Title of the project | Funding agency | Year of sanction | Amount Rs. |
|---------|-----------------|--|----------------|------------------|------------|
| 1 | Dr. S.G Patil | Strength and durability study of Geopolymer concrete | VGST | 2016 | 2,00,00,00 |

| | | | | | |
|---|--------------------|---|-----------|-----------|-----------|
| 2 | Dr. S.G Patil | Digitalisation of 1000 KN loading frame | TEQIP 2 | 2016 | 30,09,060 |
| 3 | Prof. Nitin. Kodle | Sustainable waste management by rapid composting | ITBT NAIN | 2018-2019 | 3,00,000 |
| 4 | Prof. Sujeet Patil | Alternate building materials: terra cotta bricks | ITBT NAIN | 2018-2019 | 2,90,000 |
| 5 | Dr. S.R Mise | Mathematical module for treatment of blended (diary and distillery)waste water using electrolysis enhanced up- flow (EE-UASB) | AICTE | 2018-2019 | 17,64,000 |

2. Electrical and Electronics Engineering

| Sl. No. | Name of faculty | Title of the project | Funding agency | Year of sanction | Amount |
|---------|------------------------|------------------------------|----------------|------------------|---------------|
| 01 | Dr. Sangamesh Sakri | Solar Based Oxygen syntheses | NAIN Sponsored | 2016-17 | Rs.2,50,000/- |
| 02 | Prof. Chandrasekhara S | E-ticketing System using QF | NAIN Sponsored | 2016-17 | Rs.3,00,000/- |

| | | | | | |
|----|------------------------|---|----------------|---------|---------------|
| 03 | Dr. Sangamesh Sakri | Self Powered Water Dispens | NAIN Sponsored | 2016-17 | Rs.2,75,000/- |
| 04 | Prof. Akash Patil | Sussajit Vyavasta | NAIN Sponsored | 2016-17 | Rs.2,50,000/- |
| 05 | Dr. Basavaraj Amarapur | Vehicle ignition Using Finger | NAIN Sponsored | 2017-18 | Rs.2,75,000/- |
| 06 | Dr. Basavaraj Amarapur | Digital Receptionist | NAIN Sponsored | 2017-18 | Rs.2,95,000/- |
| 07 | Prof. Mahadevi Biradar | Power electronics research | NAIN Sponsored | 2017-18 | Rs.2,00,000/- |
| 08 | Dr. Sangamesh Sakri | Sugar Factory Odor Reduces | NAIN Sponsored | 2018-19 | Rs.3,00,000/- |
| 09 | Dr. Sangamesh Sakri | Vehicle Accident Detection | NAIN Sponsored | 2018-19 | Rs.2,50,000/- |
| 10 | Prof. Chandrasekhara S | Vehicle Accident Alert System using GSM, GPS and MEMS | KSCST | 2020-21 | Rs.6000/- |

3. Electronics & Communication Engineering

| Sl. No. | Name of the Faculty | Title of the Project | Funding Agency | Year of Sanction | Amount (Rs) |
|---------|----------------------|---|----------------|------------------|-------------|
| 1 | Dr Siddarama R Patil | A Novel Wireless sensor Network deployment scheme For Environment Monitoring and earth sensing for Urban Areas Ref.No:8-216/RIFD/RPS(Policy-1)/2018-19 | AICTE | 2018-19 | 317136 |

| | | | | | |
|----|------------------------|---|----------------------------|---------|------------|
| 2 | Prof.Pankaj Mahoorkar | Detection of Osteoporosis using Image processing Technique Ref.No:40S BE 1712 | KSCST | 2016-17 | 4500/- |
| 3 | Prof.Sridhar K | Smart Waste Management System Based on Location Intelligence Ref.No:40S BE 1714 | KSCST | 2016-17 | 6000/- |
| 4 | Prof.Dr Geeta Patil | MACS:A Highly Customizable Low Latency Communication Architecture Ref.No:42S BE 3046 | KSCST | 2018-19 | 7000/- |
| 5 | Prof. Pankaj Mahoorkar | Bone Mineral Density Measurement | NAIN Govt. of Karnataka | 2017-18 | 2.00 Lacs |
| 6 | Prof. Rajkumar | Bottle Shredder with Candy Dispenser | NAIN | 2017-18 | 2.21 Lacs |
| 7 | Prof. Veeranna Gugwad | Smart Sole | Govt. of Karnataka | 2017-18 | 1.00 Lacs |
| 8 | Prof.Meenakshi Patil | Smart Waterway | NAIN Govt. of Karnataka | 2016-17 | 3.00 Lacs |
| 9 | Dr Siddarama R Patil | Incineration to Power | NAIN Govt. of Karnataka | 2016-17 | 3.00 Lacs |
| 10 | Dr Vinayadutt Kohir | MODROB for advanced Digital Communication | AICTE | 2015-16 | 10.00 Lacs |
| 11 | Dr Siddarama R Patil | Design of Structured Irregular Binary and non-binary LDPC codes | VTU | 2016-17 | 10.2 Lacs |

4. Computer Science & Engineering

| Sl. No. | Name of the Faculty | Project Title | Funding Agency | Year of sanction | Amount (in Rupees) |
|---------|---------------------|-----------------------------|-----------------------------|------------------|--------------------|
| 1 | Dr. Suvarna Nandyal | “Traffic Congestion Control | 1New Age Incubation Network | 2016-17 | 3,00,000.00 |

| | | | | | |
|--|--|---------------------------|-----------------------------|---------|---------------------|
| | | “GSM Based Gas Leakage | 2New Age Incubation Network | 2016-17 | 3,00,000.00 |
| | | “Smart Home Monitoring Sy | 3New Age Incubation Network | 2016-17 | 3,00,000.00 |
| | | “An Automatic Attendance | 4New Age Incubation Network | 2016-17 | 3,00,000.00 |
| | | | Total Amount: | | 12,00,000.00 |

| Sl.No | Name of theFaculty | Project Title | Funding Agency | Year of sanction | Amount(in Rupees) |
|-------|---------------------|--|-----------------------------|------------------|-------------------|
| 1 | Dr. Suvarna Nandyal | Construction Monitoring App | 1New Age Incubation Network | 2017-2018 | 59,900.00 |
| | | Surveillance System for military application | 2New Age Incubation Network | 2017-2018 | 50,000.00 |

| | | | | | |
|----|-------------------|---------------------|---|-----------|---------------------|
| 2. | Dr. Shridevi Soma | Cloud Computing Lab | 1Vision Group on Science and Technology(VGST) | 2017-2018 | 40,00,000.00 |
| | | | Total Amount | | 41,09,900.00 |

| Sl.No | Name of the Faculty | Project Title | Funding Agency | Year of sanction | Amount (in Rupees) |
|-------|---|--------------------------------------|--|------------------|--------------------|
| 1 | Dr. Shridevi Soma | Award for Research Publication (ARP) | Vision Group on Science and Technology | 2018-2019 | 25000.00 |
| 2 | Dr. Suvarna Nandyal Head of the Department | 1Career Calling | New Age Incubation Network | 2018-2019 | 277500.00 |
| | | 2Advanced Battery Monitoring | New Age Incubation Network | 2018-2019 | 280000.00 |

| | | | | | |
|--|--|--------------------------------|-------------------------------|-----------|--------------------|
| | | 3Wireless Multi channel Non | New Age Incubation Network | 2018-2019 | 269000.00 |
| | | | Total Amount | | 8,51,500.00 |

5. Information Science & Engineering

| Sl. No. | Name of faculty | Title of the project | Funding agency | Year of sanction | Amount |
|---------|--------------------------------------|---|--|------------------|---------|
| 1 | Dr. Vishwanath Burkpalli | IOT Based Smart Signal For Ambulance With Traffic Management | Karnataka State Council for Science And Technology | 2019-2020 | 3500 |
| 2 | Dr.BharatiHarsoor, Prof. Ashok Patil | Next Generation Artificial Intelligence and Augmented Reality Lab | VGST Government Of India | 2020-2021 | 1500000 |
| 3 | Dr.BharatiHarsoor | 3D OBJECT TRACKING USING AUGMENTED REALITY | Karnataka State Council for Science And Technology | 2020-2021 | 5000 |

6. Automobile Engineering

| Sl. No. | Name of principal investigator | Title of R&D project | Name of the funded organisation | Year | Amount Rs. |
|---------|--------------------------------|----------------------|---------------------------------|------|------------|
| 1 | Dr.C.H.BIRADAR | Bio diesel | KSCST | 2019 | 8500/- |
| 2 | Dr. SIDDALINGAPPA R HOTTI | Pyrolytic reactor | KSCST | 2019 | 9000/- |

7. Ceramics & Cement Technology

| Sl.,No | Name of principal investigator | Title of R&D project | Name of the funded organisation | Year | Amount Rs. |
|--------|--------------------------------|----------------------|---------------------------------|------|------------|
|--------|--------------------------------|----------------------|---------------------------------|------|------------|

| | | | | | |
|---|-------------------------|--|------|-----------|-----------|
| 1 | Pawan Rangdal | Synthesis of inorganic-organic porous framework using locally available fullers earth by hydrothermal technique. | VGST | 2020 | 5,00,000 |
| 2 | Dr. Amaresh R Raichur | Development of Photo catalytic doped cement based paints, | VGST | 2019-2020 | 40,00,000 |
| 3 | Dr. Amaresh R, Raichur, | Synthesis, fabrication and Characterization of mechanical properties of glasses and glass-ceramics | VGST | 2020-2021 | 1607843 |