

The National Institute of Engineering
DEPARTMENT OF CIVIL ENGINEERING

Consolidated Details of Sponsored Research Projects

| Name of the faculty | CAY (2022-23) | CAYm1 (2021-22) | CAYm2 (2020-21) | CAYm3 (2019-20) |
|--|------------------|--------------------|--------------------|--------------------|
| Dr. N. Suresh | | - | - | 5,000 |
| Dr. H S Prasanna | | 5,500 | - | - |
| Dr. K C Manjunath | 5,000 | | | |
| Prof. T H Sadhashivamurthy | 5,000 | | | |
| Dr. Yuseef Javeed | | - | - | 5000 |
| Dr. N. C. Balaji | 12,000 | 19,000 | 21,000 | 4,000 |
| Mr. Madan Kumar L | | - | 11,000 | - |
| Mrs. Hema H | | 8,000 | - | - |
| Mrs. SriRashmi | 5,000 | | | |
| Mr. Vadiraj Rao N. R. | 5,000 | 16,000 | 7,000 | 5,000 |
| Dr. Abhishek A Pathak | | 10,000 | - | - |
| Mr. Jayanth K | 6,000 | | | |
| Total Amount (In Rs) (CAY + CAYm1 + CAYm2 + CAYm3) | 38,000 | 58,500 | 39,000 | 19,000 |

Academic Year 2022-2023

| Sl. No. | Project Title | Principal Investigator | Funding Agency | Amount (In Rs) | Duration (months) | Status |
|---------|--|---------------------------------------|----------------|----------------|-------------------|----------|
| 1. | Thermal Performance Of Residential Buildings At Different Locations | Dr. N C Balaji | KSCST | 6,000 | 6 | On-going |
| 2. | An Experimental Study On The Structural Performance Of Full Scale Rc Beams Strengthened For Shear Only Using Nsm Gfrp Strips | Dr. N C Balaji | KSCST | 6,000 | 6 | On-going |
| 3. | Establishing Renewable Energy Based Microgrid Powered From Bifacial Solar Panels At Tribal Hamlets Of Billenahosahalli And Lakshmanapura, Hunsur Taluk, Mysore . | Mr. Vadiraj N Rao | KSCST | 5,000 | 6 | On-going |
| 4. | Restoration And Sustainable Management Of Polluted Urban Lakes : A Case Study Of Bogadi Lake In Mysuru City | Dr. K C Manjunath Mrs. Vedaprada P | KSCST | 5,000 | 6 | On-going |
| 5. | Study On The Repair Effectiveness Of Damaged Rc Beams Using Frp Wrapping Technique | Prof. T H Sadhashivamurthy | KSCST | 5,000 | 6 | On-going |
| 6. | Wash Water Treatability Study For The Liquid Waste Generated From Flour Mill- A Study Conducted At Mysore | Mrs. SriRashmi | KSCST | 5,000 | 6 | On-going |
| 7. | Study On The Effect Of Damage Location And | Mr. Jayanth K Dr. Naveen B | KSCST | 6,000 | 6 | On- |

| | | | | | | |
|---------------------|---|---|-------------------|--|--|-------|
| | Severity On Dynamic Behaviour Of Steel Framed Structure | O | | | | going |
| Total Amount | | | Rs. 38,000 | | | |

Academic Year 2021-2022

| Sl. No. | Project Title | Principal Investigator | Funding Agency | Amount (In Rs) | Duration (months) | Status |
|---------|---|--------------------------------|----------------|----------------|-------------------|-----------|
| 1. | Study on Thermal Behaviour And Structural Behaviour of Rammed Earth Walls | Dr. N C Balaji | KSCST | 7,000 | 6 | Completed |
| 2. | An Experimental Study on Structural Performance of RC Beams Strengthened for Combined Flexure And Shear by Using NSM-GFRP Strips | Dr. N C Balaji | KSCST | 12,000 | 6 | Completed |
| 3. | Integration Of Solar And Micro Hydro Systems To Microgrid For Harnessing The Renewable Energy Sources | Mrs. Hema H Mr. Vadiraj Rao | KSCST | 8,000 | 6 | Completed |
| 4. | An Insight Into Hydrological and Geotechnical Characteristics On Land Slide Susceptibility at Selected Locations Of Chamundi Hill, Mysuru | Mr. Vadiraj Rao | KSCST | 8,000 | 6 | Completed |
| 5. | Ferro-Cement Blocks An Eco-Friendly | Dr. H S Prasanna | KSCST | 5500 | 6 | Completed |

| | | | | | | |
|---------------------|---|-------------------|-------------------|-------|---|-----------|
| | Alternative for Concrete Blocks and Earthen Structures | | | | | |
| 6. | Developing Surface and Root Zone Soil Moisture Maps Over Agricultural Area using Field and Remote Sensing Techniques. | Abhishek A Pathak | KSCST | 10000 | 6 | Completed |
| Total Amount | | | Rs. 58,500 | | | |

Academic Year 2020-2021

| Sl. No. | Project Title | Principal Investigator | Funding Agency | Amount (In Rs) | Duration (months) | Status |
|---------|--|------------------------|----------------|----------------|-------------------|-----------|
| 1. | Studies on Cracks, Crack Patterns And Deflection in RC Beams Under Different Boundary Conditions | Dr. N C Balaji | KSCST | 7,000 | 6 | Completed |
| 2. | Thermal Performance Behaviour of Rammed Earth Walls in Temperature Climatic Condition of India | Dr. N C Balaji | KSCST | 6,000 | 6 | Completed |
| 3. | Behavioural Study of Factory Made Gabion Boxes under Lateral Monotonic and Cyclic Loading | Dr. N C Balaji | KSCST | 8,000 | 6 | Completed |
| 4. | Implementation Of Renewable Energy Microgrid at Hemmige Haadi Village Hamlet of Hunsur Taluk, Mysore District. | Mr. Vadiraj Rao | KSCST | 7,000 | 6 | Completed |
| 5. | Experimental Investigation On Usage of Expanded | Mr. Madan Kumar L | KSCST | 6,000 | 6 | Completed |

| | | | | | | |
|---------------------|--|-------------------|-------------------|-------|---|-----------|
| | Polystyrene as Fine Aggregate in Concrete Paver Blocks | | | | | |
| 6. | Repair and Restoration of the Historical Wellesly Bridge at Srirangapatna – A Case Study | Mr. Madan Kumar L | KSCST | 5,000 | 6 | Completed |
| Total Amount | | | Rs. 39,000 | | | |

Academic Year 2019-2020

| Sl. No. | Project Title | Principal Investigator | Funding Agency | Amount (In Rs) | Duration (months) | Status |
|---------------------|--|------------------------|-------------------|----------------|-------------------|------------|
| 1. | Study Of Structural Behavior of Floating Column | Dr. N C Balaji | KSCST | 4,000 | 6 | Completed |
| 2. | Survey of Bio Fuel Species in Selected Areas of Mysore Using GPS | Mr. Vadiraj Rao | KSCST | 5,000 | 6 | Completed |
| 3. | Microstructure Study of Concrete Subjected to Fire And Processed Temperature | Dr. N Suresh | KSCST | 5,000 | 6 | Incomplete |
| 4. | Innovative Emerging Housing(IEH) | Dr. Yuseef Javed | KSCST | 5,000 | 6 | Incomplete |
| Total Amount | | | Rs. 19,000 | | | |