

| <b>Project Title</b>  | <b>Department</b>                 | <b>Year</b> | <b>Amount<br/>(₹ Lakhs)</b> | <b>Funding Agency</b>                                    |
|---|-----------------------------------|-------------|-----------------------------|--|
| Two-seater Passenger Solar Car  | Mechanical Engineering            | 2019        | 1.5                         | Tata Technologies Ltd                                    |
| Utilization of Solid Wastes Generated From Textile Mill, Granite Marble Cutting, Foundry And Stone Crusher Industries In Burnt Clay Bricks(MPCB, Mumbai ) | Civil Engineering                 | 2020        | 4.0                         | Maharashtra Pollution Control Board (MPCB), Sion, Mumbai |
| Research Funding for Developing Nine Solar Products<br>Research Funding for Developing Nine Solar Products  | Mechanical Engineering            | 2020        | 37.0                        | La Fondation Dassault Systemes Pune.                     |
| Performance Evaluation of Integrated Onsite Greywater Treatment System (IOSTS)  | Civil Engineering                 | 2020        | 3.0                         | DBATU, Lonere  |
| Design & Development of Solar Operated Self-balancing Vehicle   | Mechanical Engineering            | 2021        | 0.62                        | Dassault Systemes Pune                                   |
| Preparation of DPR for Loknete Baburao Patil Agro Industries Ltd Angar Mohol Solapur district   | Civil Engineering                 | 2021        | 10.44                       | IIT Bombay   |
| Solar Portable Refridgeration system  | Electrical Engineering Department | 2021        | 0.6                         | La Foundation  |
| Biogas Generation fron AgroWaste  | Mechanical Engineering            | 2021        | 4.3                         | Maharashtra Pollution Control Board (MPCB), Sion, Mumbai |
| State Ambient air quality monitoring  | Civil Engineering                 | 2021        | 87.47                       | Maharashtra Pollution Control                            |

|   |   |      |       |   |
|---|---|------|-------|---|
| for 4 cities-<br>Solapur,<br>Pandharpur, Barshi<br>and Osmanabad  |   |      |       | Board (MPCB),<br>Sion, Mumbai                           |
| Mission Amrit<br>Sarovar- Jal<br>Dharohar<br>Sanrakshan<br>Internship for<br>Students                           | Civil<br>Engineering                    | 2022 | 2.0   | Ministry of<br>Housing and<br>Urban Affair and<br>AICTE |
| Modernization and<br>Removal of   | Mechanical<br>Engineering               | 2022 | 16.0  | AICTE   |
| Intelligent Hybrid<br>Electrical Vehicle  | Electrical<br>Engineering<br>Department | 2023 | 2.5   | Dr. BATU  |
| Design and<br>Development of<br>dead body   | Civil Engg                              | 2023 | 3.0   | DBATU   |
| Specialized<br>Internship for<br>Emerging Tech  | Mech Engg.                              | 2023 | 2.0   | La Fondation<br>Dassault<br>Systemes Pune.              |
| Solar Floating<br>Power Plant   | Mech Engg.                              | 2023 | 5.0   | La Fondation<br>Dassault<br>Systemes Pune.              |
| Solar Tree<br>Optimisation  | Mech Engg.                              | 2023 | 4.75  | La Fondation<br>Dassault<br>Systemes Pune.              |
| Solar Ready<br>Engineers Course   | Mech Engg.                              | 2023 | 3.0   | La Fondation<br>Dassault<br>Systemes Pune.              |
| AICTE MODROB<br>Grant Impact<br>Lecture Series IIC  | Civil Engg                              | 2023 | 0.2   | AICTE   |
| Intelligent Hybrid<br>Electric Vehicle  | E&TC                                    | 2023 | 1.38  | DBATU   |
| Smart Building<br>Tech. for<br>Decarbonaization   | Mech Engg.                              | 2023 | 1.5   | DBATU   |
| State Ambient air<br>quality monitoring<br>for 4 cities-<br>Solapur,<br>Pandharpur ,<br>Barshi and<br>Osmanabad | Civil Engg.                             | 2023 | 34.25 | MPCB  |
| Integrated<br>Electromotive<br>Wheel Retrofit for<br>Bicycle<br>Electrification                                 | Mechanical<br>Engineering               | 2023 | 1.0   | La Fondation<br>Dassault<br>Systemes Pune.              |
| Smart building<br>technologies for<br>decarbonaiztion<br>and to enhance   | Mechanical<br>Engineering               | 2023 | 3.0   | Dr. BATU  |

|   |             |      |      |                |
|---|-------------|------|------|----------------|
| energy efficiency in buildings  |             |      |      |                |
| State Ambient air quality monitoring for 4 cities- Solapur, Pandharpur , Barshi and Osmanabad | Civil Engg. | 2024 | 51.0 | MPCB           |
| EIA of Matheran Town  | Civil Engg  | 2025 | 11.5 | MPCB and DBATU |

| Name of the Project/ Endowments, Chairs                 | Department of Principal Investigator | Year of Award | Funds provided |
|---|--------------------------------------|---------------|----------------|
| Testing of Cement, Aggregates & Concrete Cube.          | Civil                                | 2023-24       | Rs. 31080/-    |
| Concrete Mix Design                                     |                                      |               | Rs. 48,000/-   |
| Testing of Steel Bars, Paver Blocks & Burnt Clay Bricks | Civil                                | 2023-24       | Rs. 64700/-    |
| Testing of Murrum                                       | Civil                                | 2023-24       | Rs. 800/-      |
| SBC Test of Soil  |                                      |               | Rs. 34,000/-   |
| Testing of Water Samples                                | Civil                                | 2023-24       | Rs. 4500/-     |
| Testing of Aggregate & Bitumen for Road work            | Civil                                | 2023-24       | Rs. 6900/-     |
| Proof checking of Design & Drawing & Structural Audit   | Civil                                | 2023-24       | Rs. 1,49,000/- |

|      |   |
|------|---|
| 17-A | <b>Number of Projects carried out, funding agency, Grant received</b> |
|------|---|

| Sr. No. | Name of the Project / Endowment / Chair  | Name of the Principal Investigator    | Department of Principal Investigator | Year of Award | Funds Provided (₹ Lakhs) |
|---------|--|---------------------------------------|--------------------------------------|---------------|--------------------------|
| 1       | Two-seater Passenger Solar Car   | Dr. Shriniwas                         | Mechanical Engineering               | 2019          | 1.50                     |
| 2       | Utilization of Solid Wastes Generated From Textile Mill, Granite Marble Cutting, Foundry and Stone Crusher Industries in Burnt Clay Bricks | Dr. S. S. Jahagirdar, Dr. V. K. Patki | Civil Engineering                    | 2020          | 4.00                     |
| 3       | Research Funding for Developing Nine Solar   | Dr. Shriniwas                         | Mechanical Engineering               | 2020          | 37.00                    |

| Sr. No. | Name of the Project / Endowment / Chair   | Name of the Principal Investigator      | Department of Principal Investigator        | Year of Award | Funds Provided (₹ Lakhs) |
|---------|---|---|---|---------------|--------------------------|
|         | Products  |   |   |               |                          |
| 4       | Performance Evaluation of Integrated Onsite Greywater Treatment System (IOSTS)                    | Dr. V. K. Patki                         | Civil Engineering                           | 2020          | 3.00                     |
| 5       | Design & Development of Solar Operated Self-balancing Vehicle                                     | Dr. Shriniwas Metan                     | Mechanical Engineering                      | 2021          | 0.62                     |
| 6       | Preparation of DPR for Loknete Baburao Patil Agro Industries Ltd., Angar, Mohol, Solapur District | Dr. V. K. Patki, Dr. S. S. Jahagirdar   | Civil Engineering                           | 2021          | 10.44                    |
| 7       | Solar Portable Refrigeration System   | Prof. S. S. Shaha                       | Electrical Engineering                      | 2021          | 0.60                     |
| 8       | Biogas Generation from Agro Waste   | Dr. B. K. Sonage                        | Mechanical Engineering                      | 2021          | 4.30                     |
| 9       | State Ambient Air Quality Monitoring for 4 Cities — Solapur, Pandharpur, Barshi, and Osmanabad    | Dr. V. K. Patki, Dr. S. S. Jahagirdar   | Civil Engineering                           | 2021          | 87.47                    |
| 10      | Mission Amrit Sarovar — Jal Dharohar Sanrakshan Internship for Students                           | Dr. V. K. Patki                         | Civil Engineering                           | 2022          | 2.00                     |
| 11      | Modernization and Removal of Obsolescence   | Dr. Shriniwas Metan, Prof. C. V. Papade | Mechanical Engineering                      | 2022          | 16.00                    |
| 12      | Intelligent Hybrid Electrical Vehicle   | Dr. V. S. Shirwal                       | Electrical Engineering                      | 2023          | 2.50                     |
| 13      | Design and Development of Dead Body Carrier   | Dr. S. S. Jahagirdar                    | Civil Engineering                           | 2023          | 3.00                     |
| 14      | Specialized Internship for Emerging Technologies  | Dr. Shriniwas Metan                     | Mechanical Engineering                      | 2023          | 2.00                     |
| 15      | Solar Floating Power Plant  | Dr. Shriniwas Metan                     | Mechanical Engineering                      | 2023          | 5.00                     |
| 16      | Solar Tree Optimization   | Dr. Shriniwas Metan                     | Mechanical Engineering                      | 2023          | 4.75                     |
| 17      | Solar Ready Engineers Course  | Dr. Shriniwas Metan                     | Mechanical Engineering                      | 2023          | 3.00                     |
| 18      | AICTE Grant — Impact Lecture Series (IIC)   | Dr. S. S. Jahagirdar                    | Civil Engineering                           | 2023          | 0.20                     |
| 19      | Intelligent Hybrid Electric Vehicle   | Dr. Vijaykumar S. Shirwal               | Electronics & Telecommunication Engineering | 2023          | 1.38                     |
| 20      | Smart Building Technologies for Decarbonization   | Dr. B. K. Sonage                        | Mechanical Engineering                      | 2023          | 1.50                     |
| 21      | State Ambient Air Quality Monitoring for 4 Cities — Solapur,                                      | Dr. V. K. Patki                         | Civil Engineering                           | 2023          | 34.25                    |

| Sr. No. | Name of the Project / Endowment / Chair  | Name of the Principal Investigator    | Department of Principal Investigator | Year of Award | Funds Provided (₹ Lakhs) |
|---------|--|---------------------------------------|--------------------------------------|---------------|--------------------------|
|         | Pandharpur, Barshi, and Osmanabad (Phase II)   |                                       |                                      |               |                          |
| 22      | Integrated Electromotive Wheel Retrofit for Bicycle Electrification                            | Prof. Suryaji S. Kale                 | Mechanical Engineering               | 2023          | 1.00                     |
| 23      | Smart Building Technologies for Decarbonization and Energy Efficiency in Buildings             | Dr. B. K. Sonage                      | Mechanical Engineering               | 2023          | 3.00                     |
| 24      | State Ambient Air Quality Monitoring for 4 Cities — Solapur, Pandharpur, Barshi, and Osmanabad | Dr. V. K. Patki, Dr. S. S. Jahagirdar | Civil Engineering                    | 2024          | 51.00                    |
| 25      | EIA of Matheran Town   | Dr. V. K. Patki, Dr. S. S. Jahagirdar | Civil Engineering                    | 2025          | 11.5                     |

| Name of the Project/ Endowments, Chairs                 | Name of the Principal Investigator | Department of Principal Investigator | Year of Award | Funds provided |
|---|------------------------------------|--------------------------------------|---------------|----------------|
| Testing of Cement, Aggregates & Concrete Cube.          | Prof. G. J. Kulkarni               | Civil                                | 2023-24       | Rs. 31080/-    |
| Concrete Mix Design                                     |                                    |                                      |               | Rs. 48,000/-   |
| Testing of Steel Bars, Paver Blocks & Burnt Clay Bricks | Prof. R. G. Maske                  | Civil                                | 2023-24       | Rs. 64700/-    |
| Testing of Murrum                                       | Dr. S. B. More                     | Civil                                | 2023-24       | Rs. 800/-      |
| SBC Test of Soil  |                                    |                                      |               | Rs. 34,000/-   |
| Testing of Water Samples                                | Dr. S. S. Jahagirdar               | Civil                                | 2023-24       | Rs. 4500/-     |
| Testing of Aggregate & Bitumen for Road work            | Prof. V. A. Salimath               | Civil                                | 2023-24       | Rs. 6900/-     |
| Proof checking of Design & Drawing & Structural Audit   | Prof. Pawar D. S.                  | Civil                                | 2023-24       | Rs. 1,49,000/- |
| Testing of Cement, Aggregate & Concrete Cube.           | Prof. G. J. Kulkarni               | Civil                                | 2020 - 21     | Rs. 55450/-    |
| Concrete Mix Design                                     |                                    |                                      |               | Rs. 40,000/-   |
| Testing of Steel Bars & Calibration of Load Cell        | Prof. A. Y. Kankuntla              | Civil                                | 2020 - 21     | Rs. 52100/-    |
| Testing of Soil & Murrum                                | Dr. S. B. More                     | Civil                                | 2020 - 21     | Rs. 9800/-     |
| SBC Test of Soil  |                                    |                                      |               | Rs. 90,000/-   |
| Testing of Water  | Dr. S. S. Jahagirdar               | Civil                                | 2020 - 21     | Rs. 1050/-     |

| <b>Name of the Project/<br/>Endowments, Chairs</b>                                    | <b>Name of the<br/>Principal<br/>Investigator</b> | <b>Department<br/>of Principal<br/>Investigator</b> | <b>Year of<br/>Award</b> | <b>Funds<br/>provided</b> |
|---|---|---|--------------------------|---------------------------|
| Proof checking of Design & Drawing of EWS Tenements.                                  | Prof. Sangave P. A.                               | Civil   | 2020 - 21                | Rs. 1,70,000/-            |
| Proof checking of Design & Drawing of Steel Chimney Foundation & Structural Analysis. | Prof. Pawar D. S.                                 | Civil   | 2020 - 21                | Rs. 20,000/-              |
| Testing of Cement, Aggregate & Concrete Cube.   | Prof. G. J. Kulkarni                              | Civil   | 2019-20                  | Rs. 31,025/-              |
| Concrete Mix Design   |   |   |                          | Rs. 80,000/-              |
| Testing of Steel Bars, Bricks & Calibration of Load Cell                              | Prof. A. U. Phadnis                               | Civil   | 2019 - 20                | Rs. 74250/-               |
| Testing of Soil.  | Dr. S. B. More                                    | Civil   | 2019 - 20                | Rs. 5700/-                |
| SBC Test of Soil  |   |   |                          | Rs. 1,64,300/-            |
| Testing of Water with MPN   | Dr. S. S. Jahagirdar                              | Civil   | 2019 - 20                | Rs. 1000/-                |
| CBR Test of Soil  | Prof. Salimath V. A.                              | Civil   | 2019 - 20                | Rs. 10,000/-              |
| Structural Audit of Building  | Prof. Sangave P. A.                               | Civil   | 2019 - 20                | Rs. 50,000/-              |
| Proof checking of Design & Drawing of RCC ESR & Supply Well.                          | Prof. Pawar D. S.                                 | Civil   | 2019 - 20                | Rs. 70,000/-              |
| Proof checking of Design & Drawing of Shed.   | Prof. A. Y. Kankuntla                             | Civil   | 2019 - 20                | Rs. 15,000/-              |
| Testing of Cement, Aggregate, Interlocking Paver blocks & Concrete Cube.              | Prof. G. J. Kulkarni                              | Civil   | 2018 - 19                | Rs. 1,46,925/-            |
| Concrete Mix Design   |   |   |                          | Rs. 1,38,000/-            |
| Testing of Steel Bars, Bricks & Calibration of Load Cell                              | Prof. A. U. Phadnis                               | Civil   | 2018 - 19                | Rs. 34300/-               |
| SBC test of Soil  | Dr. S. B. More                                    | Civil   | 2018-19                  | Rs. 1,25,00/-             |
| CBR Test of Soil  | Prof. Salimath V. A.                              | Civil   | 2018 - 19                | Rs. 5,000/-               |
| Proof Check of Design & Drawing of G+2 Building, ESR & Structural Audit of ESR.       | Prof. Sangave P. A.                               | Civil   | 2018 - 19                | Rs. 90,000/-              |