### List of grants for research projects received during the last five years along with the nature of award, the awarding agency and the amount.

<table>
<thead>
<tr>
<th>Sl. no.</th>
<th>Name of the Principal Investigator/ Co Investigator (if applicable)</th>
<th>Name of the Funding agency</th>
<th>Type (Government/ Non-Government)</th>
<th>Department of Principal Investigator/ Co Investigator</th>
<th>Year of Award</th>
<th>Fund Provided (INR in lakhs)</th>
<th>Duration of the project</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Dr. Vishwanath. M.M</td>
<td>Dr. AIT</td>
<td>Non-Government</td>
<td>Mechanical Engineering</td>
<td>2021-22</td>
<td>3.00</td>
<td>02 Years</td>
</tr>
<tr>
<td>02</td>
<td>Dr. Madan Kumar</td>
<td>Dr. AIT</td>
<td>Non-Government</td>
<td>Physics</td>
<td>2021-22</td>
<td>5.00</td>
<td>02 Years</td>
</tr>
<tr>
<td>03</td>
<td>Dr. B. Sooryanarayana</td>
<td>Dr. AIT</td>
<td>Non-Government</td>
<td>Mathematics</td>
<td>2021-22</td>
<td>1.00</td>
<td>02 Years</td>
</tr>
<tr>
<td>04</td>
<td>Dr. Bhanupratap .R</td>
<td>Dr. AIT</td>
<td>Non-Government</td>
<td>Mechanical Engineering</td>
<td>2021-22</td>
<td>1.90</td>
<td>02 Years</td>
</tr>
<tr>
<td>05</td>
<td>Dr. Ravish D K</td>
<td>Dr. AIT</td>
<td>Non-Government</td>
<td>Medical Electronics</td>
<td>2021-22</td>
<td>0.50</td>
<td>02 Years</td>
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<tr>
<td>06</td>
<td>Dr. K.R. Shylaja</td>
<td>Dr. AIT</td>
<td>Non-Government</td>
<td>Computer Science</td>
<td>2021-22</td>
<td>1.50</td>
<td>02 Years</td>
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<tr>
<td>07</td>
<td>Dr. Bhagya Lakshmi H</td>
<td>Dr. AIT</td>
<td>Non-Government</td>
<td>Chemistry</td>
<td>2021-22</td>
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<td>02 Years</td>
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<tr>
<td>08</td>
<td>Dr. M.H. Leela and Dr. S. Baskaran.</td>
<td>Dr. AIT</td>
<td>Non-Government</td>
<td>MBA</td>
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<td>Dr. AIT</td>
<td>Non-Government</td>
<td>IEM</td>
<td>2021-22</td>
<td>2.50</td>
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<tr>
<td>10</td>
<td>Dr. T N Raju / Dr. Indumathi S. K</td>
<td>VTU-Research Grants Scheme</td>
<td>Government</td>
<td>Mechanical Engineering/Master of Computer Applications</td>
<td>2021-22</td>
<td>6.00</td>
<td>02 Years</td>
</tr>
<tr>
<td>11</td>
<td>Srinivas A H</td>
<td>KSCST</td>
<td>Government</td>
<td>ECE</td>
<td>2021-22</td>
<td>0.06</td>
<td>6 months</td>
</tr>
<tr>
<td>12</td>
<td>Dr. Rangaswamy</td>
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<td>Government</td>
<td>EIE</td>
<td>2021-22</td>
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<tr>
<td>13</td>
<td>Dr. Rajesh M</td>
<td>KSCST</td>
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<td>2021-22</td>
<td>0.06</td>
<td>6 months</td>
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<td>14</td>
<td>Sowmya M</td>
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<td>Government</td>
<td>ECE</td>
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<td>6 months</td>
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<tr>
<td>No.</td>
<td>Name</td>
<td>Institute</td>
<td>Department</td>
<td>Year</td>
<td>Duration</td>
<td></td>
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<tr>
<td>01</td>
<td>Hamsarekha S.D</td>
<td>KSCST</td>
<td>EIE</td>
<td>2020-21</td>
<td>0.06 months</td>
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<tr>
<td>02</td>
<td>Smitha Shekar B</td>
<td>KSCST</td>
<td>CSE</td>
<td>2020-21</td>
<td>0.06 months</td>
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<tr>
<td>03</td>
<td>Dr. S. D. Venkatarama Mohan/ Dr. A. A. Jahagirdar</td>
<td>KSCST</td>
<td>Civil Engineering/Chemistry</td>
<td>2020-21</td>
<td>0.05 years</td>
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<tr>
<td>04</td>
<td>Madhu B</td>
<td>KSCST</td>
<td>CSE</td>
<td>2020-21</td>
<td>0.06 months</td>
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<tr>
<td>05</td>
<td>Monikashree T S</td>
<td>KSCST</td>
<td>EIE</td>
<td>2020-21</td>
<td>0.06 months</td>
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<tr>
<td>06</td>
<td>Prof. Umadevi H, Prof. Jahagirdar A A</td>
<td>KSCST</td>
<td>ECE</td>
<td>2020-21</td>
<td>0.06 months</td>
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<tr>
<td>07</td>
<td>Prof. T Srinath &amp; Mr. Rajesh Chandra</td>
<td>KSCST</td>
<td>Mechanical</td>
<td>2020-21</td>
<td>0.06 years</td>
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<tr>
<td>08</td>
<td>Dr. Prashanth C. R.</td>
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<td>ETE</td>
<td>2020-21</td>
<td>0.05 months</td>
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<tr>
<td>09</td>
<td>Vinutha H</td>
<td>KSCST</td>
<td>CSE</td>
<td>2020-21</td>
<td>0.06 months</td>
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<td>10</td>
<td>N. Chetan</td>
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<td>IEM</td>
<td>2020-21</td>
<td>0.06 months</td>
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<tr>
<td>11</td>
<td>Prof. Ramesh S. Mala Sinnoor</td>
<td>KSCST</td>
<td>ECE</td>
<td>2020-21</td>
<td>0.06 months</td>
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<tr>
<td>12</td>
<td>Dr. T. N. Raju &amp; Dr. C. R. Mahesha</td>
<td>VGST / KSTePS</td>
<td>Mechanical &amp; IEM</td>
<td>2020-21</td>
<td>40.00 years</td>
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**Total** | 40.64 | 02 years |
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<th>No.</th>
<th>Name</th>
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<th>Type</th>
<th>Subject</th>
<th>Year</th>
<th>Duration</th>
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<tr>
<td>09</td>
<td>Dr. Shanthi K J</td>
<td>KSCST</td>
<td>Government</td>
<td>Medical Electronics</td>
<td>2019-20</td>
<td>0.03</td>
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<tr>
<td>10</td>
<td>Dr. B. Sivakumar</td>
<td>AICTE-RPS</td>
<td>Government</td>
<td>ETE</td>
<td>2019-20</td>
<td>10.00</td>
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<td></td>
<td><strong>Total</strong></td>
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<td><strong>28.42</strong></td>
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<td>Dr. Gangadhar N</td>
<td>VGST</td>
<td>Government</td>
<td>Mechanical</td>
<td>2018-19</td>
<td>5.00</td>
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<tr>
<td>02</td>
<td>Usha Rani M.A</td>
<td>KSCST</td>
<td>Government</td>
<td>ETE</td>
<td>2018-19</td>
<td>0.07</td>
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<tr>
<td>03</td>
<td>Dr. S. Gowrishankar</td>
<td>KSTPS</td>
<td>Government</td>
<td>CS</td>
<td>2017-18</td>
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<td><strong>Total</strong></td>
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<td><strong>9.07</strong></td>
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<tr>
<td>01</td>
<td>Sowmya M</td>
<td>KSCST</td>
<td>Government</td>
<td>ETE</td>
<td>2017-18</td>
<td>0.04</td>
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<tr>
<td>02</td>
<td>Usha Rani M.A</td>
<td>KSCST</td>
<td>Government</td>
<td>ETE</td>
<td>2017-18</td>
<td>0.06</td>
</tr>
<tr>
<td>03</td>
<td>K.V. Mahesan</td>
<td>KSCST</td>
<td>Government</td>
<td>ETE</td>
<td>2017-18</td>
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<tr>
<td>04</td>
<td>Dr. Yamunadevi C R</td>
<td>VGST</td>
<td>Government</td>
<td>ECE</td>
<td>2017-18</td>
<td>10.00</td>
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<tr>
<td>05</td>
<td>Prof. Ramesh S</td>
<td>VGST</td>
<td>Government</td>
<td>ECE</td>
<td>2017-18</td>
<td>10.00</td>
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<tr>
<td>Sl. No.</td>
<td>Name of the Investigator/s</td>
<td>Designation</td>
<td>Title of proposed Project</td>
<td>Cost of project in Rupees</td>
<td>Duration of project in Months</td>
<td>Committee Recommended Amount in Rupees</td>
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<tr>
<td>--------</td>
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</tr>
<tr>
<td>1</td>
<td>Dr. Vishwanath M.M and C. Ramprasad</td>
<td>Assistant Professor</td>
<td>Design and Development of agriculture processing products and Test rigs for the college product and Testing</td>
<td>3,00,000.00</td>
<td>24</td>
<td>Recommended for the financial support of 100000/- in Phase I and 200000/- in Phase II</td>
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<tr>
<td>2</td>
<td>Dr. Madan Kumar and Dr. Soundeshwaran</td>
<td>Assistant Professor</td>
<td>Synthesis and Characterisation of perovskite thinfilms for solar cell applications</td>
<td>5,00,000.00</td>
<td>24</td>
<td>Recommended for the financial support of Rs 250000/- in phase I and Rs 250000/- in Phase II</td>
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<tr>
<td>3</td>
<td>Dr Sooryanarayan.B and Dr Padma</td>
<td>Professor/Assistant Professor</td>
<td>Analysis of applications of location based topological indices to estimate properties of chemical compounds</td>
<td>1,00,000.00</td>
<td>24</td>
<td>Recommended for the financial support of Rs 50000/- in Phase I and Rs 50000/- in Phase II</td>
</tr>
<tr>
<td>Subject</td>
<td>No.</td>
<td>Name</td>
<td>Designation</td>
<td>Title of the Project</td>
<td>Amount (Rs)</td>
<td>Recommendation</td>
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<tr>
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<tr>
<td>Mechanical</td>
<td>4</td>
<td>Dr. Bhanupratap, R. and Dr. Ranjith, V</td>
<td>Assistant Professor Assistant Professor</td>
<td>Evaluation and Analysis of the Silane Treated Basalt/Kevlar Fibers Epoxy Hybrid Composites</td>
<td>1,90,000.00</td>
<td>24</td>
</tr>
<tr>
<td>Medical Electronics</td>
<td>5</td>
<td>Dr. Ravish. D.K and Dr. K.J.Shanthi</td>
<td>Associate Professor, Professor</td>
<td>Implementation of IoT driven Medical devices for telemedicine applications</td>
<td>50,000.00</td>
<td>24</td>
</tr>
<tr>
<td>Computer Science/ Electronics Instrumentation</td>
<td>6</td>
<td>Dr. K.R. Shyla, Mr Prasanna Kumar, Mr and Mr Chidanandan. V</td>
<td>Professor, Assistant Professor, Assistant Professor</td>
<td>Centralized Power Control and Floorwise power consumption monitoring IoT system with Mobile and web access interface for Dr.Ambedkar Institute of Technology</td>
<td>1,50,000.00</td>
<td>24</td>
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<tr>
<td>Chemistry</td>
<td>7</td>
<td>Dr. Bhaçya Lakshmi H, Dr. B Shruthi, Dr A.A. Jahagirdhar</td>
<td>Assistant Professor, Assistant Professor, Professor</td>
<td>Green Synthesis of Ferrite/Graphene oxide magnetic nanocomposite for photocatalytic dye degradation of Waste Water</td>
<td>1,25,000.00</td>
<td>24</td>
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<tr>
<td>No.</td>
<td>Name</td>
<td>Designation</td>
<td>Project Description</td>
<td>Amount</td>
<td>Phases</td>
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<td>----------</td>
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</tr>
<tr>
<td>8</td>
<td>Dr. M.H. Leela and Dr. S. Baskaran.</td>
<td>Assistant Professor, Associate Professor</td>
<td>A Study on Agriculture transformation in the adoption of Industry 4.0 Technologies: Issues and Challenges (with special reference to Bengaluru rural districts of Karnataka)</td>
<td>45,000.00</td>
<td>Phase-I and Phase-II</td>
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<tr>
<td>9</td>
<td>Mr. Rajesh K</td>
<td>Assistant Professor</td>
<td>Fabrication and Characterization of Flyash/Graphite reinforced chilled Al-Mg-Hybrid MMCs for Automobile Applications</td>
<td>2,50,000.00</td>
<td>Phase-I and Phase-II</td>
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</tbody>
</table>

Total Amount Rs. 17,10,000.00

(Rupees Seventeen Lakhs and Ten Thousands only)

Signature
Dean (R and D)

Signature
Principal

Principal
Dr. Ambedkar Institute of Technology
Bangalore-560 056
To
Dr. Vishwanath M.M
Assistant Professor
Department of Mechanical Engineering
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Date: 18-01-2022

Subject: Financial Assistance under Dr. AIT R & D Grant Scheme for the research project entitled “Design and Development of agriculture processing products and Test rigs for the college product and Testing” submitted by Dr. Vishwanath M.M, Principal Investigator-Reg.

Ref No: Dr. AIT/PVPWT/2021-22/1391 Dated: 04/01/2022

Sir/Madam,

With reference to the above subject, the project proposal entitled “Design and Development of agriculture processing products and Test rigs for the college product and Testing” submitted by Dr. Vishwanath M.M, Principal Investigator, Department of Mechanical Engineering of Dr. Ambedkar Institute of Technology (Dr. AIT), Bengaluru-560 056 is sanctioned with a grant of **Rs 3,00,000/- (Rupees Three Lakhs only)** for a period of **24 months.** The details of the grant for which the total allocation of Rs 3,00,000/- are as follows

<table>
<thead>
<tr>
<th>Expenditure details</th>
<th>Year I</th>
<th>Year II</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>Equipment</td>
<td>Rs 1,25,000.00</td>
<td>Rs 1,25,000.00</td>
<td>Rs 2,50,000.00</td>
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<tr>
<td>Consumables</td>
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<td>Rs 45,000.00</td>
<td>Rs 50,000.00</td>
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<tr>
<td>Contingency</td>
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<tr>
<td><strong>Total</strong></td>
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<td>Rs 1,70,000.00</td>
<td>Rs 3,00,000.00</td>
</tr>
</tbody>
</table>

The sanction of the grant is subject to the following conditions:

1) The grant will be released in the name of the Principal Investigator of the concerned department.

2) The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.

3) The grant shall be utilized for the purpose for which it has been sanctioned. Mixing of heads of expenditure mentioned in the table is not allowed.
4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator. Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. **Excess expenditure, beyond sanctioned grants will not be considered.**

5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.

6) Any correspondence by the investigators to the Dean (R&D)/Principal of Dr.AIT shall be routed through HOD of the grantee department.

7) The grantee department shall abide by the rules and regulations of Dr. AI research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

---

Signature

Dr. G.V. Jayaramaiah  
Dean (R & D)  

dr amt

Signature

Dr. M. Meenakshi  
Principal  

---

**Copy with compliments to:**

1. Hon’ble Secretary, PVPWT, for kind information
2. Vice Principal for information
3. Head, Account Section, for information
4. Registrar/AAO, for information
5. Dean (R&D) for file.
6. PA-Principal for file

---

Dr. Ambedkar Institute of Technology  
Bengaluru - 560 056.
Dr.AMBEDKAR INSTITUTE OF TECHNOLOGY
BENGALURU-560 056.
Research and Development Cell

Date:18-01-2022

To
Dr. Madan Kumar
Assistant Professor
Department of Physics
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Administrative Approval

Subject: Financial Assistance under Dr.AIT R & D Grant Scheme for the research project entitled “Synthesis and Characterisation of perovskite thinfilms for solar cell applications” submitted by Dr.Madan Kumar, Principal Investigator-Reg.

Ref No: Dr.AIT/PVPWT/2021-22/1391 Dated: 04/01/2022

Sir/Madam,

With reference to the above subject, the project proposal entitled “Synthesis and Characterisation of perovskite thinfilms for solar cell applications” submitted by Dr. Madan Kumar, Principal Investigator, Department of Physics of Dr. Ambedkar Institute of Technology (Dr. AIT), Bengaluru-560056 is sanctioned with a grant of Rs 5,00,000/- (Rupees Five Lakhs only) for a period of 24 months.

The details of the grant for which the total allocation of Rs 5,00,000/- are as follows

<table>
<thead>
<tr>
<th>Expenditure details</th>
<th>12 Months</th>
<th>12 Months</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment</td>
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<td>Rs 2,50,000.00</td>
<td>Rs 4,50,000.00</td>
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<tr>
<td>Consumables</td>
<td>Rs 25,000.00</td>
<td>Rs 25,000.00</td>
<td>Rs 50,000.00</td>
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<tr>
<td>Contingency</td>
<td>Total</td>
<td>Rs 2,25,000.00</td>
<td>Rs 2,75,000.00</td>
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</tbody>
</table>

The sanction of the grant is subject to the following conditions:

1) The grant will be released in the name of the Principal Investigator of the concerned department.

2) The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.

3) The grant shall be utilized for the purpose for which it has been sanctioned. Mixing of heads of expenditure mentioned in the table is not allowed.
4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator. Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. **Excess expenditure, beyond sanctioned grants will not be considered.**

5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.

6) Any correspondence by the investigators to the Dean (R&D)/Principal of Dr. AIT shall be routed through HOD of the grantee department.

7) The grantee department shall abide by the rules and regulations of Dr. A' research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

---

Signature

Dr. G. V. Jayaramaiah
Dean (R & D)

Signature

Dr. M. Meenakshi
Principal

---

Copy with compliments to:

1. Hon'ble Secretary, PVPWT, for kind information
2. Vice Principal for information
3. Head, Account Section, for information
4. Registrar/AAO, for information
5. Dean (R&D) for file.
Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY
BENGALURU-560 056.
Research and Development Cell

Date: 18-01-2022

Dr.AIT/R&D/2021-22/55/121-22

To
Dr. B. Sooryanarayana
Professor
Department of Mathematics
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Administrative Approval

Subject: Financial Assistance under Dr. AIT R & D Grant Scheme for the research project entitled “Analysis of applications of location based topological indices to estimate properties of chemical compounds” submitted by Dr. B. Sooryanarayana, Principal Investigator-Reg.

Ref No: Dr.AIT/PVPWT/2021-22/1391 Dated: 04/01/2022

Sir/Madam,

With reference to the above subject, the project proposal entitled “Analysis of applications of location based topological indices to estimate properties of chemical compounds” submitted by Dr. B. Sooryanarayana, Principal Investigator, Department of Mathematics of Dr. Ambedkar Institute of Technology (Dr. AIT), Bengaluru-560056 is sanctioned with a grant of Rs 1,00,000/- (Rupees One Lakhs only) for a period of 24 months.

The details of the grant for which the total allocation of Rs.1, 00,000/- are as follows

<table>
<thead>
<tr>
<th>Expenditure details</th>
<th>12 Months</th>
<th>12 Months</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment</td>
<td>Rs 50,000.00</td>
<td>Rs 50,000.00</td>
<td>Rs 1,00,000.00</td>
</tr>
<tr>
<td>Consumables</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contingency</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>Rs 50,000.00</td>
<td>Rs 50,000.00</td>
<td>Rs 1,00,000.00</td>
</tr>
</tbody>
</table>

The sanction of the grant is subject to the following conditions:

1) The grant will be released in the name of the Principal Investigator of the concerned department.

2) The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.
3) The grant shall be utilized for the purpose for which it has been sanctioned. Mixing of heads of expenditure mentioned in the table is not allowed.

4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator. Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. **Excess expenditure, beyond sanctioned grants will not be considered.**

5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.

6) Any correspondence by the investigators to the Dean (R&D)/Principal Dr. AIT shall be routed through HOD of the grantee department.

7) The grantee department shall abide by the rules and regulations of Dr. AIT research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

---

**Signature**

Dr. G.V. Jayaramaiah  
Dean (R & D)  
Dean (R&D)  

Dr. Ambedkar Institute of Technology  
Near Jnanabharathi Campus  
BDA Outer Ring Road, Mallathahalli,  
Bengaluru-560 056.

**Copy with compliments to:**

1. Hon’ble Secretary, PVPWT, for kind information  
2. Vice Principal for information  
3. Head, Account Section, for information  
4. Registrar/AAO, for information  
5. Dean (R&D) for file.

---

**Signature**

Dr. M. Meenakshi  
Principal

---

Dr. Ambedkar Institute of Technology  
Bengaluru - 560 056.
Subject: Financial Assistance under Dr.AIT R & D Grant Scheme for the research project entitled “Evaluation and Analysis of the Silane Treated Basalt/Kevlar Fibers Epoxy Hybrid Composites” submitted by Dr.Bhanupratap R, Principal Investigator-Reg.

Ref No: Dr.AIT/PVPWT/2021-22/1391 Dated: 04/01/2022

Sir/Madam,

With reference to the above subject, the project proposal entitled “Evaluation and Analysis of the Silane Treated Basalt/Kevlar Fibers Epoxy Hybrid Composites” submitted by Dr. Bhanupratap R, Principal Investigator, Department of Mechanical Engineering of Dr. Ambedkar Institute of Technology (Dr. AIT), Bengaluru-560056 is sanctioned with a grant of **Rs 1,90,000/- (Rupees One Lakhs and Ninety Thousands only)** for a period of **24 months**.

The details of the grant for which the total allocation of Rs. 1,90,000/- are as follows:

<table>
<thead>
<tr>
<th>Expenditure details</th>
<th>12 Months</th>
<th>12 Months</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment</td>
<td>Rs 90,000.00</td>
<td>Rs 90,000.00</td>
<td>Rs 1,80,000.00</td>
</tr>
<tr>
<td>Consumables</td>
<td>Rs 5,000.00</td>
<td>Rs 5,000.00</td>
<td>Rs 10,000.00</td>
</tr>
<tr>
<td>Contingency</td>
<td>Rs 95,000.00</td>
<td>Rs 95,000.00</td>
<td>Rs 1,90,000.00</td>
</tr>
</tbody>
</table>

The sanction of the grant is subject to the following conditions:

1) The grant will be released in the name of the Principal Investigator of the concerned department.

2) The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.
3) The grant shall be utilized for the purpose for which it has been sanctioned. Mixing of heads of expenditure mentioned in the table is not allowed.

4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator. Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. **Excess expenditure, beyond sanctioned grants will not be considered.**

5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.

6) Any correspondence by the investigators to the Dean (R&D)/Principal Dr.AIT shall be routed through HOD of the grantee department.

7) The grantee department shall abide by the rules and regulations of Dr. AIT research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

---

**Signature**

Dr. M. Meenakshi  
Principal

**Signature**

Dr. G. V. Jayaramaiah  
Dean (R & D)

---

Copy with compliments to:

1. Hon’ble Secretary, PVPWT, for kind information
2. Vice Principal for information
3. Head, Account Section, for information
4. Registrar/AAO, for information
5. Dean (R&D) for file.
To
Dr. Ravish D.K
Associate Professor
Department of Medical Electronics Engineering
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Administrative Approval

Subject: Financial Assistance under Dr.AIT R & D Grant Scheme for the research project entitled “Implementation of IoT driven Medical devices for telemedicine applications” submitted by Dr. Bhanupratap R, Principal Investigator-Reg.

Ref No: Dr.AIT/PVPWT/2021-22/1391 Dated: 04/01/2022

Sir/Madam,

With reference to the above subject, the project proposal entitled “Implementation of IoT driven Medical devices for telemedicine applications” submitted by Dr. Ravish D.K., Principal Investigator, Department of Medical Electronics Engineering of Dr. Ambedkar Institute of Technology (Dr. AIT), Bengaluru-560056 is sanctioned with a grant of Rs 50,000/- (Rupees Fifty Thousands only) for a period of 24 months.

The details of the grant for which the total allocation of Rs.50,000/- are as follows

<table>
<thead>
<tr>
<th>Expenditure details</th>
<th>12 Months</th>
<th>12 Months</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment</td>
<td>Rs 25,000.00</td>
<td>Rs 25,000.00</td>
<td>Rs 50,000.00</td>
</tr>
<tr>
<td>Consumables</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Contingency</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>Rs 25,000.00</td>
<td>Rs 25,000.00</td>
<td>Rs 50,000.00</td>
</tr>
</tbody>
</table>

The sanction of the grant is subject to the following conditions:

1) The grant will be released in the name of the Principal Investigator of the concerned department.

2) The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.
3) The grant shall be utilized for the purpose for which it has been sanctioned. Mixing of heads of expenditure mentioned in the table is not allowed.

4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator. Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. **Excess expenditure, beyond sanctioned grants will not be considered.**

5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.

6) Any correspondence by the investigators to the Dean (R&D)/Principal c/o Dr. AIT shall be routed through HOD of the grantee department.

7) The grantee department shall abide by the rules and regulations of Dr. AIT research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

---

Signature

Dr. G.V. Jayaramaiah  
Dean (R & D)

Dr. M. Meenakshi  
Principal

---

Copy with compliments to:

1. Hon’ble Secretary, PVPWT, for kind information
2. Vice Principal for information
3. Head, Account Section, for information
4. Registrar/AAO, for information
5. Dean (R&D) for file.
To
Dr.K.R.Shylaja
Professor
Department of Computer Science and Engineering
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Date: 18-01-2022

Administrative Approval

Subject: Financial Assistance under Dr.AIT R & D Grant Scheme for the research project entitled “Centralized Power Control and Floorwise power consumption monitoring IoT system with Mobile and web access interface for Dr.Ambedkar Institute of Technology ” submitted by Dr.K.R.Shylaja , Principal Investigator-Reg.

Ref No: Dr.AIT/PVPWT/2021-22/1391 Dated: 04/01/2022

Sir/Madam,

With reference to the above subject, the project proposal entitled “Centralized Power Control and Floorwise power consumption monitoring IoT system with Mobile and web access interface for Dr.Ambedkar Institute of Technology ” submitted by Dr.K.R.Shylaja , Principal Investigator, Department of Computer Science and Engineering of Dr. Ambedkar Institute of Technology (Dr. AIT), Bengaluru-560056 is sanctioned with a grant of Rs 1,50,000/- (Rupees One Lakhs and Fifty Thousands only) for a period of 24 months.

The details of the grant for which the total allocation of Rs.1, 50,000/- are as follows

<table>
<thead>
<tr>
<th>Expenditure details</th>
<th>12 Months</th>
<th>12 Months</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment</td>
<td>Rs 72,500.00</td>
<td>Rs 72,500.00</td>
<td>Rs1,45,000.00</td>
</tr>
<tr>
<td>Consumables</td>
<td>Rs 2,500.00</td>
<td>Rs 2,500.00</td>
<td>Rs 5,000.00</td>
</tr>
<tr>
<td>Contingency</td>
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<td></td>
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<tr>
<td>Total</td>
<td>Rs 75,000.00</td>
<td>Rs 75,000.00</td>
<td>Rs1,50,000.00</td>
</tr>
</tbody>
</table>

The sanction of the grant is subject to the following conditions:

1) The grant will be released in the name of the Principal Investigator of the concerned department.

2) The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.

3) The grant shall be utilized for the purpose for which it has been sanctioned. Mixing of heads of expenditure mentioned in the table is not allowed.
4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator. Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. Excess expenditure, beyond sanctioned grants will not be considered.

5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.

6) Any correspondence by the investigators to the Dean (R&D)/Principal of Dr. AIT shall be routed through HOD of the grantee department.

7) The grantee department shall abide by the rules and regulations of Dr. AIT research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

Signature

[Signature]

Dr.G.V.Jayaramaiah
Dean (R & D)

Dr. Ambedkar Institute of Technology
Near Jnanabharathi Campus
BDA Outer Ring Road, Mallethahalli,
Bengaluru - 560 125

Signature

[Signature]

Dr.M.Meenaakshi
Principal

Copy with compliments to:

1. Hon’ble Secretary, PVPWT, for kind information
2. Vice Principal for information
3. Head, Account Section, for information
4. Registrar/AAO, for information
5. Dean (R&D) for file.
Administrative Approval

Subject: Financial Assistance under Dr.AIT R & D Grant Scheme for the research project entitled “Green Synthesis of Ferrite/Graphene oxide magnetic nanocomposite for photocatalytic dye degradation of Waste Water” submitted by Dr.Bhagya Lakshmi H, Principal Investigator-Reg.

Ref No: Dr.AIT/PVPWT/2021-22/1391 Dated: 04/01/2022

Sirs/Madam,

With reference to the above subject, the project proposal entitled “Green Synthesis of Ferrite/Graphene oxide magnetic nanocomposite for photocatalytic dye degradation of Waste Water” submitted by Dr. Bhagya Lakshmi H, Principal Investigator, Department of Chemistry of Dr. Ambedkar Institute of Technology (Dr. AIT), Bengaluru-560056 is sanctioned with a grant of Rs 1,25,000/- (Rupees One Lakhs and Twenty Five Thousands only) for a period of 24 months.

The details of the grant for which the total allocation of Rs.1, 25,000/- are as follows:

<table>
<thead>
<tr>
<th>Expenditure details</th>
<th>12 Months (Rs)</th>
<th>12 Months (Rs)</th>
<th>Total (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment</td>
<td>60,000</td>
<td>60,000.00</td>
<td>120,000.00</td>
</tr>
<tr>
<td>Consumables</td>
<td>2,500.00</td>
<td>2,500.00</td>
<td>5,000.00</td>
</tr>
<tr>
<td>Contingency</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>62,500.00</td>
<td>62,500.00</td>
<td>125,000.00</td>
</tr>
</tbody>
</table>

The sanction of the grant is subject to the following conditions:

1) The grant will be released in the name of the Principal Investigator of the concerned department.

2) The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.

3) The grant shall be utilized for the purpose for which it has been sanctioned. Mixing of heads of expenditure mentioned in the table is not allowed.

4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator.

B. Bhagya Lakshmi
Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. **Excess expenditure, beyond sanctioned grants will not be considered.**

5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.

6) Any correspondence by the investigators to the Dean (R&D)/Principal of Dr. AIT shall be routed through HOD of the grantee department.

7) The grantee department shall abide by the rules and regulations of Dr. AIT research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

---

Dr. G.V. Jayaramaiah  
Dean (R & D)  
Dr. Ambedkar Institute of Technology  
Near Jnanabharathi Campus  
BDA Outer Ring Road, Mallathahalli,  
Bangalore - 560 066

Signature

Dr. M. Meenakshi  
Principal

---

1. Hon’ble Secretary, PVPWT, for kind information
2. Vice Principal for information
3. Head, Account Section, for information
4. Registrar/AAO, for information
5. Dean (R&D) for file.
Dr.AIT/R&D/2021-224/70/21/22

Date: 18-01-2022

To
Dr. M.H. Leela
Assistant Professor
Department of Chemistry
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Administrative Approval

Subject: Financial Assistance under Dr.AIT R & D Grant Scheme for the research project entitled “A Study on Agriculture transformation in the adoption of Industry 4.0 Technologies: Issues and Challenges (with special reference to Bengaluru rural districts of Karnataka)” submitted by Dr. M.H. Leela, Principal Investigator-Reg.

Ref No: Dr.AIT/PVPWT/2021-22/1391

Dated: 04/01/2022

Sir/Madam,

With reference to the above subject, the project proposal entitled “A Study on Agriculture transformation in the adoption of Industry 4.0 Technologies: Issues and Challenges (with special reference to Bengaluru rural districts of Karnataka)” submitted by Dr. M.H. Leela, Principal Investigator, Department of MBA of Dr. Ambedkar Institute of Technology (Dr. AIT), Bengaluru-560056 is sanctioned with a grant of **Rs 45,000/- (Rupees Forty Five Thousands only)** for a period of **24 months**.

The details of the grant for which the total allocation of Rs. 45,000/- are as follows:

<table>
<thead>
<tr>
<th>Expenditure details</th>
<th>12 Months</th>
<th>12 Months</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumables</td>
<td>Rs 20,000.00-</td>
<td>Rs 25,000.00-</td>
<td>Rs 45,000.00-</td>
</tr>
<tr>
<td>Contingency</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>Rs 20,000.00</td>
<td>Rs 25,000.00</td>
<td>Rs 45,000.00</td>
</tr>
</tbody>
</table>

The sanction of the grant is subject to the following conditions:

1. The grant will be released in the name of the Principal Investigator of the concerned department.

2. The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.

3. The grant shall be utilized for the purpose for which it has been sanctioned. Mixing of heads of expenditure mentioned in the table is not allowed.

[Signature]
Dr. M.H. Leela

[Stamp]
Dr. Ambedkar Institute of Technology

Received

Dr. Leela

[Date]
4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator. Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. **Excess expenditure, beyond sanctioned grants will not be considered.**

5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.

6) Any correspondence by the investigators to the Dean (R&D)/Principal of Dr.AIT shall be routed through HOD of the grantee department.

7) The grantee department shall abide by the rules and regulations of Dr. A. research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

---

Signature

Dr.G.V. Jayaramaiah
Dean (R & D)

Dr. M. Meenakshi
Principal
PRINCIPAL

Signature

Dr. Ambedkar Institute of Technology
Near Jnanabharathi Campus
BDA Outer Ring Road, Mallathahalli,
Bengaluru-560 066

Copy with compliments to:

1. Hon’ble Secretary, PVPWT, for kind information
2. Vice Principal for information
3. Head, Account Section, for information
4. Registrar/AAO, for information
5. Dean (R&D) for file.
To
Mr. Rajesh K
Assistant Professor
Department of Industrial and Engineering Management
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Administrative Approval

Subject: Financial Assistance under Dr.AIT R & D Grant Scheme for the research project entitled “Fabrication and Characterization of Flyash/Graphite reinforced chilled Al-Mg-Hybrid MMCs for Automobile Applications” submitted by Mr. Rajesh K, Principal Investigator-Reg.

Ref No: Dr.AIT/PVPWT/2021-22/1391 Dated: 04/01/2022

Sir/Madam,

With reference to the above subject, the project proposal entitled “Fabrication and Characterization of Flyash/Graphite reinforced chilled Al-Mg-Hybrid MMCs for Automobile Applications” submitted by Mr. Rajesh K, Principal Investigator, Department of Industrial and Engineering Management of Dr. Ambedkar Institute of Technology (Dr. AIT), Bengaluru-560056 is sanctioned with a grant of Rs 2,50,000/- (Rupees Two Lakhs and Fifty Thousands only) for a period of 24 months. The details of the grant for which the total allocation of Rs. 2,50,000/- are as follows:

<table>
<thead>
<tr>
<th>Expenditure details</th>
<th>12 Months</th>
<th>12 Months</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment</td>
<td>1,00,000.00</td>
<td>1,00,000.00</td>
<td>Rs 2,00,000.00</td>
</tr>
<tr>
<td>Consumables</td>
<td>Rs 25,000.00</td>
<td>Rs 25,000.00</td>
<td>Rs 50,000.00</td>
</tr>
<tr>
<td>Contingency</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total</td>
<td>Rs 1,25,000.00</td>
<td>Rs 1,25,000.00</td>
<td>Rs 2,50,000.00</td>
</tr>
</tbody>
</table>

The sanction of the grant is subject to the following conditions:

1) The grant will be released in the name of the Principal Investigator of the concerned department.
2) The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.
3) The grant shall be utilized for the purpose for which it has been sanctioned. Mixing of heads of expenditure mentioned in the table is not allowed.

Received on 21.01.2022
4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator. Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. **Excess expenditure, beyond sanctioned grants will not be considered.**

5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.

6) Any correspondence by the investigators to the Dean (R&D)/Principal of Dr. AIT shall be routed through HOD of the grantee department.

7) The grantee department shall abide by the rules and regulations of Dr. AIT research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

---

**Signature**  
Dr. G.V. Jayaramaiah  
Dean (R & D)

**Signature**  
Dr. M. Meenakshi  
Principal

**Copy with compliments to:**

1. Hon'ble Secretary, PVPWT, for kind information
2. Vice Principal for information
3. Head, Account Section, for information
4. Registrar/AAO, for information
5. Dean (R&D) for file.
Visvesvaraya Technological University
(State University of Government of Karnataka Established as per the VTU Act 1994)
"Jnana Sangama", Belagavi-590 018, Karnataka State, India

Prof. A. S. Deshpande, B.T., M.Tech., Ph.D.
REGISTRAR
Phone: (0831) 2498100
Fax: (0831) 24105467

Ref: VTU/BGM/Acu/A-12/ VTU RGS/DIS-MF/2021-22/ 586215

To,
The Principal,
Dr. Ambedkar Institute of Technology, Bengaluru.

Sub: Grants for Research Proposal for the year 2021-22
2. Hon’ble Vice-Chancellor’s approval dt: 11-02-2022

At the outset please accept our congratulations and greetings.

We are pleased to inform you that, the grant of Rs. 6.00 Lakhs (Rupees Six Lakhs only) is sanctioned to the research proposal entitled as “Designing and building a solar-based autonomous robot for intra-row weed elimination to aid small and mid-sized farmers” submitted by Dr. T N Raju (PI), Dr. Indumathi S K (Co-I) and Dr. Manjunath Rao L (Co-I-2) under VTU Research Grants Scheme-2021.

The expenditure of the sanctioned amount needs to be planned as under.

<table>
<thead>
<tr>
<th>Expenditure Particulars</th>
<th>First Year (Rs. in Lakhs)</th>
<th>Second Year (Rs. in Lakhs)</th>
<th>Total (Rs. in Lakhs)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Non-Recurring</strong></td>
<td>1.20</td>
<td>1.20</td>
<td>2.40</td>
</tr>
<tr>
<td>Fellowship for Research Scholar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Equipments/Software/Instruments (Purchase of Desktops/Laptops are not permitted)</td>
<td>3.00</td>
<td>0.00</td>
<td>3.00</td>
</tr>
<tr>
<td>Consumables (Glass wares/Chemicals)</td>
<td>0.20</td>
<td>0.20</td>
<td>0.40</td>
</tr>
<tr>
<td><strong>Recurring</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Others (Expenditure towards/ testing / consultancy / publications of research work in terms IPR Registrations (not for paper publications in journals) / TADA to present a paper in conferences or workshop or symposia in India)</td>
<td>0.10</td>
<td>0.10</td>
<td>0.20</td>
</tr>
<tr>
<td><strong>Total (Rs. in Lakhs)</strong></td>
<td>4.50</td>
<td>1.50</td>
<td>6.00</td>
</tr>
</tbody>
</table>

VTU Contribution (75% of the Sanctioned Amount)
This amount will be released after receiving the acceptance letter and compliance of Point Number 10,11 & 12 mentioned in “Terms and Conditions”

Institute Contribution (25% of the Sanctioned Amount) Please Refer Point Number 10,11 & 12 in the “Terms and Conditions” and comply accordingly

3.375 | 1.125 | 4.50

1.125 | 0.375 | 1.50
Applicable Terms and Conditions:
1. The grant will be released in the name of the Principal of the Institute and Principal Investigator of the project.
2. The grant shall be utilized for the purpose for which it has been sanctioned.
3. The research activities of the sanctioned projects will be evaluated at the end of each year by committee constituted by VTU. Also, the LIC team of VTU may review the progress.
4. Change in heads of expenditure mentioned in the table on the previous page is not permitted.
5. The grantee institute has to abide by the guidelines of VTU Research Grant Scheme.
6. VTU reserves all the rights to change/modify rules/guidelines in this regard.
7. The Principal of the institute shall submit year wise Utilization Certificate (UC) and in the prescribed format and Audit Report (Duly signed by CA) to the undersigned. The subsequent grant will be released only after submission of UC for the grant released earlier along with details of expenditure and satisfactory work progress report.
8. The project will last for two years from the day that the Grantee Institute receives the amount of first installment.
9. Any correspondence by the Investigators to the Registrar of VTU shall be routed through the Principal of the Grantee Institute.
10. VTU shall release the amount of first installment, after an exclusive Joint Bank Account for the sanctioned project is opened and remitted the Institute share of 25% of the First Year Installment as mentioned in the above table and same shall be intimated to VTU by submitting copy of account statement.
11. The exclusive Bank Account must be Joint Account in the name of Principal of the Institute and Principal Investigator with the title of the project mentioned as purpose.
12. Grantee Institute shall submit account details in the mandate form (enclosed) along with duly signed acceptance letter (Format Enclosed). These are required for issuing the sanction order and release of fund from our end.

Thanking you,

Yours faithfully,

Registrar

Enc:\n1) Format of Mandate Form
2) Format of Acceptance letter
45th series of Student Project Programme (SPP): 2021-22

List of Student Project Proposals Approved for Sponsorship

<table>
<thead>
<tr>
<th>Sl No</th>
<th>PROJECT REFERENCE NO.</th>
<th>PROJECT TITLE</th>
<th>COURSE</th>
<th>BRANCH</th>
<th>NAME OF THE GUIDE(S)</th>
<th>NAME OF THE STUDENT(S)</th>
<th>SANCTIONED AMOUNT (IN RS.)</th>
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<tr>
<td>121.</td>
<td>D55_BE_3146</td>
<td>SKIN Pigmentation Classification for Malignant Skin Lesions (Skin Cancer)</td>
<td>B.E.</td>
<td>COMPUTER SCIENCE AND ENGINEERING</td>
<td>Dr. SRINIVASA A. R.</td>
<td>ML. MANDY J.</td>
<td>5,000.00</td>
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<td>122.</td>
<td>D55_BE_3815</td>
<td>IoT Based Remote Electronic Voting System Using Aadhaar and Dual Biometric Authentication</td>
<td>B.E.</td>
<td>ELECTRONICS AND COMMUNICATION ENGINEERING</td>
<td>Dr. RANGADWAMI V.</td>
<td>ML. SURAJ P.</td>
<td>6,000.00</td>
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<td>123.</td>
<td>D55_BE_3228</td>
<td>LOW COST SOLAR CUM BATTERY POWERED HYBRID CHAINLESS DRIVE SYSTEM TRICYCLE FOR PHYSICALLY CHALLENGED PERSONS</td>
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<td>Dr. RAJESH M.</td>
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<td>124.</td>
<td>D55_BE_3236</td>
<td>AUTOMATED GREENHOUSE MONITORING USING CONTROL SYSTEMS</td>
<td>B.E.</td>
<td>TELECOMMUNICATION ENGINEERING</td>
<td>Ms. SOWMYA M.</td>
<td>ML. HARSHITHA J.</td>
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</table>

Note:
- The sanctioned amount will be credited to the college bank account by NEFT.
- The evaluation of the above projects will be conducted via online mode during May / June 2022.
- Participation in the online evaluation process is mandatory, failing which the project will be considered incomplete and will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- After completion of the projects, a softcopy of the report prepared as per the format prescribed by RESPECTIVE UNIVERSITIES shall be uploaded (PDF format in a single file only) in the GOOGLE FORMS provided on the website.
- Any corrections with respect to the names of the guides and students shall be requested at spp@kscst.org.in.
<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>PROJECT REFERENCE No.</th>
<th>PROJECT TITLE</th>
<th>BRANCH</th>
<th>COURSE</th>
<th>NAME OF THE GUIDE(S)</th>
<th>NAME OF THE STUDENT(S)</th>
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<tr>
<td>316</td>
<td>445_BE_1848</td>
<td>VOICE CONTROLLED ROBOT WITH SURVEILLANCE CAMERA USING LABVIEW</td>
<td>ELECTRONICS AND INSTRUMENTATION ENGINEERING</td>
<td>B.E.</td>
<td>Prof. HAMSA REKHA S D</td>
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<tr>
<td>317</td>
<td>445_BE_2119</td>
<td>VEHICLE AUTOMATION FOR SMART AND SAFE DRIVING</td>
<td>COMPUTER SCIENCE AND ENGINEERING</td>
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<td>Dr. SMITHA SHEKAR B</td>
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<td>318</td>
<td>445_BE_2230</td>
<td>STUDIES ON GEOTECHNICAL PROPERTIES OF CONTAMINATED SOIL ALONG THE</td>
<td>CIVIL ENGINEERING</td>
<td>B.E.</td>
<td>Dr. S VENKATAPRAJAN</td>
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<td>VRSHABHANATHI RIVER STRETCH AND ITS IMPLICATIONS ON ENVIRONMENT</td>
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<td>Mr. SHIVARAJ M</td>
<td>Ms. MULUGUNDI</td>
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<td>Ms. SUDHARANI S REDDY</td>
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<tr>
<td>319</td>
<td>445_BE_2876</td>
<td>CAMOUFLAGE MULTI-FUNCTIONAL ARMY ROBOT</td>
<td>COMPUTER SCIENCE AND ENGINEERING</td>
<td>B.E.</td>
<td>Prof. MADHU B</td>
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<tr>
<td>320</td>
<td>445_BE_3049</td>
<td>SMART SELF-DEFENCE GADGET FOR WOMEN'S SAFETY USING IOT</td>
<td>ELECTRONICS AND INSTRUMENTATION ENGINEERING</td>
<td>B.E.</td>
<td>Prof. MONKASHREE T</td>
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<td>321</td>
<td>445_BE_3056</td>
<td>FLOATING WASTE SCOOPER ROBOT ON WATER SURFACE</td>
<td>ELECTRONICS AND COMMUNICATION ENGINEERING</td>
<td>B.E.</td>
<td>Prof. UMAMDEVI H</td>
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<td>322</td>
<td>445_BE_3059</td>
<td>FATIGUE TESTING OF HIGH ENTROPY ALLOY SUBJECTED TO CORROSION</td>
<td>MECHANICAL ENGINEERING</td>
<td>B.E.</td>
<td>Prof. SHASTH M</td>
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<td>Mr. PRASAD S BILAGI</td>
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<td>323</td>
<td>445_BE_3110</td>
<td>CAMOUFLAGE SURVEILLANCE ROBOT IN DEFENSE USING AI</td>
<td>TELECOMMUNICATION ENGINEERING</td>
<td>B.E.</td>
<td>Dr. PRASHANATH C R</td>
<td>Ms. JAGRUTI S</td>
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<td>Ms. RACHANA S</td>
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</tr>
</tbody>
</table>
# 44th Series of Student Project Programme: 2020-21

**List of Student Project Proposals Approved for Sponsorship**

<table>
<thead>
<tr>
<th>No.</th>
<th>Reg. No.</th>
<th>Title of Project</th>
<th>Department</th>
<th>Name of Student</th>
<th>Name of Project Adviser</th>
<th>Name of Co-Adviser</th>
<th>Sponsorship Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>323</td>
<td>44S_BE_4276</td>
<td>AUTOMATED CONTACTLESS COVID-19 DETECTION WITH THE AID OF X-RAY IMAGES USING DEEP NEURAL NETWORK</td>
<td>COMPUTER SCIENCE AND ENGINEERING</td>
<td>B.E.</td>
<td>Mrs. VINITA H</td>
<td>Mr. SIDDHU GUDAGUDI, Mr. SHIVASHANKAR Y S, Ms. SHIVETHA B S, Mr. SHARATH B S</td>
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<tr>
<td>324</td>
<td>44S_BE_4341</td>
<td>REAL-TIME IoT AND APP BASED AUTOMATED GREENHOUSE SETUP</td>
<td>INDUSTRIAL ENGINEERING AND MANAGEMENT</td>
<td>B.E.</td>
<td>Prof. N. CHETAN</td>
<td>Mr. AMOGH M ARADHYA, Ms. BHUMIKA K, Mr. MOHAMED WASIM, Mr. MEET SHAH</td>
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<tr>
<td>325</td>
<td>44S_BE_4348</td>
<td>HUMANOID FRONT DEST ROBOT</td>
<td>ELECTRONICS AND COMMUNICATION ENGINEERING</td>
<td>B.E.</td>
<td>Prof. RAMESH S, Mrs. MALA SINGH</td>
<td>Mr. KRAN GOWDA N, Ms. LAVANYA R T, Ms. M VARSHINI URS</td>
<td>6000.00</td>
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</table>

**Note:**
- Transaction details of sanctioned amount of Rs. 63500/- credited on 28th May 2021 by NEFT on 28th May 2021.
- The evaluation of above projects will be conducted during July / August 2021 via online mode and participation in the online evaluation process is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- Submit softcopy of Synopsis in pdf (as per the format preferred in the KSCST website) and report (PDF format in a single file) of project by 20th July 2021, which will be uploaded in KSCST SPP portal.
- Synopsis and report must be named with Reference ID provided by KSCST (Ex: 44S_BE_0001).
ಎನ್ನಣೆ: ಇದು ಸ್ನಾತಕ ವಿಭಾಗ ವಿಜ್ಞಾನದ ಸೌಲು ಮತ್ತು ಅಂಕಗಳ ವಿಭಾಗಗಳ ಮೇಲೆ ಹೊಂದಿದ ಹುದ್ದೆಗಳಲ್ಲಿ CESEM ಜುಗಳಲ್ಲೊಂದಿಗೆ ಮೇಲೆ ಸೇರಿರುವ ಶಾಖೆ ವಿಭಾಗಾಧಿಕಾರಿಯಾಗಿ ಸೃಷ್ಟಿಸುತ್ತಾನೆ.

******

ಎಲ್ಲಾ ರಾಜ್ಯಗಳು ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. ಅಲ್ಲಿ ಸಂಭಾವಿಸಲಾಗಿದೆ. ಹೆಸರು ಇದೆ. ಎನ್ನಣೆಯಲ್ಲಿ ಅನುಭವಿಸಲಾಯಿತು. ಬೆಲೆ ಇದೆ. ಎನ್ನಣೆಯಲ್ಲಿರುವ ಸಂಭಾವಿಸಲಾಗಿದೆ. (ತಂದೆಂದರೆ)

ಎಲ್ಲಾ ರಾಜ್ಯಗಳು ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. ಎಲ್ಲಾ ರಾಜ್ಯಗಳು ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. (ತಂದೆಂದರೆ)

ಎಲ್ಲಾ ರಾಜ್ಯಗಳು ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2008ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 12 ಅನುಭವಿಸಲಾಗಿದೆ. 2008ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. ಎಲ್ಲಾ ರಾಜ್ಯಗಳು ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2008ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು.

ಅನುಭವಿಸಲಾಗಿದೆ. "Development of Air Foil Thrust Bearing for Aerospace Applications" ಎಂಬ ಸ್ನಾತಕ ವಿಭಾಗ ಜೊತೆಯಲ್ಲಿ Centres of Excellence in Science, Engineering and Medicine (CESEM) ಅಂದಾಜು ಅನುಭವಿಸಲಾಗಿದೆ. 2014ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2020ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2021ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2022ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2023ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2024ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2025ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2026ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2027ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2028ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2029ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2030ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2031ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2032ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2033ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2034ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2035ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2036ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2037ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2038ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2039ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು. 2040ರಲ್ಲಿ ಸಹಜವಾಗಿ ಅನುಭವಿಸಲಾಯಿತು.
3) ವರ್ಷುವಿನ ಬೆಸ್ಟರಿನ ಎಡಮರುವ ಅಂಕಗಳು ಶಾಖೆಗಳಿಗೆ ಅನುಮೋದಿಸಿದ್ದಾಂಗಿಕ ಅಂಶವಾಹಿಯದಲ್ಲಿ ಅನುಮೂಲಿಸಲ್ಪಡುವ ಸ್ಕ್ರೀನ್ ಅಂಶಗಳು (Accrued) ಅನುಷ್ಕೇರಿಸಬೇಕಾಗಿದ್ದು. ಅನುಷ್ಕೇರಿಸಲು ಹುಡುಬಿಡಲಿದ್ದಾಗಿರುವ ಪ್ರಕ್ರಿಯೆಗಳು ನಿರ್ವಹಿಸಲು, ಹೊಸರಿಗಾಗಿ ಸಂಖ್ಯೆ ಪಡೆಯಬೇಕು. ಮಾನವೀಯ ವಿಧಾನ ಸಮಕ್ಷಗೆ ಪ್ರವೇಶ ಮಾಡಬೇಕು.

4) ವರ್ಷುವಿನ ಬೆಸ್ಟರಿನ ಎಡಮರುವ ಅಂಕಗಳು ಜಾನಾಧಿಕೇಯ ವ್ಯವಸ್ಥೆಗಳಿಗೆ ಅನುಮೋದಿಸಿದ್ದಾಂಗಿಕ ಅಂಶಗಳು ಅನುಮೂಲಿಸಲು ಸುರಕ್ಷಿತಗೊಳಿಸಲಿಲ್ಲದರೆ, ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ವಿಭಾಗಗಳಿಗೆ ಅನುಮೂಲಿಸಿದ್ದಾಂಗಿಕ ಅಂಶಗಳು ಅನುಮೂಲಿಸಲಿಲ್ಲದರೆ, ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ವಿಭಾಗಗಳಿಗೆ ಅನುಮೂಲಿಸಿದ್ದಾಂಗಿಕ ಅಂಶಗಳು ಅನುಮೂಲಿಸಲಿಲ್ಲದರೆ. ಅಂತ್ಯದಲ್ಲಿ, ಸರ್ಕಾರದ ವಿಭಾಗಗಳಿಗೆ ಅನುಮೂಲಿಸಿದ್ದಾಂಗಿಕ ಅಂಶಗಳು ಅನುಮೂಲಿಸಲಿಲ್ಲದರೆ, ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ವಿಭಾಗಗಳಿಗೆ ಅನುಮೂಲಿಸಿದ್ದಾಂಗಿಕ ಅಂಶಗಳು ಅನುಮೂಲಿಸಲಿಲ್ಲದರೆ.

ಖ್ಯಾತಿ,

The Principal
Dr. Ambedkar Institute of Technology
Outer Ring Road, Near Jnana Bharathi Campus, Mallathahalli
Bangalore-560 056

ಜೊತೆಗೆ:

1. Dr. T N Raju, Department of Mechanical Engineering, Dr. Ambedkar Institute of Technology, Outer Ring Road, Near Jnana Bharathi Campus, Mallathahalli
   Bengaluru-560 056

2. ಹಿಸ್ಟೋರಿಯಲ್ ಲೆವರ್ ಸ್ವಾಧೀನ್ಪಡೆಗೆ ವಿಷಯಾಧಿಕೀಯ ಸಮಸ್ಯೆಗಳು, ೭ನೇ ವಾರಾನ್ಡಾ, ೪ನೇ ವಾರಾನ್ಡಾ, ವಿಶ್ವವಿದ್ಯಾನಿದ್ರ್ಯದ ವಿಭಾಗದ ಸಂಪುಟ್ಮೆ- ೦೧, ಸರ್ಕಾರ ವಿಭಾಗಗಳಿಗೆ ಹಿಸ್ಟೋರಿಯಲ್ ಲೆವರ್ ಸ್ವಾಧೀನ್ಪಡೆಗೆ
To
Suprabha. R
Assistant Professor
Department of Industrial Engineering and Management
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Administrative Approval

Subject: Financial Assistance under Dr.AIT R & D Grant Scheme for the research project entitled "Enhancement of Heat Transfer using Nano fluids containing different Nano-dimensional oxide materials" submitted by Suprabha. R, Principal Investigator-Reg.

Ref No: Dr.AIT/R&D/2019-20/ Dated: 16/03/2020

Sir/Madam,

With reference to the above subject, the project proposal entitled "Enhancement of Heat Transfer using Nano fluids containing different Nano-dimensional oxide materials" submitted by Suprabha. R, Principal Investigator, Department of Industrial Engineering and Management of Dr. Ambedkar Institute of Technology(Dr.AIT), Bengaluru-560 056 is sanctioned with a grant of Rs 1,70,000/- (Rupees One Lakh seventy thousands only) for a period of 24 months.

The details of the grant for which the total allocation of Rs 1,70,000/- are as follows

<table>
<thead>
<tr>
<th>Expenditure details</th>
<th>Year I</th>
<th>Year II</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment</td>
<td>Rs 00.00</td>
<td>Rs 00.00</td>
<td>Rs 00.00</td>
</tr>
<tr>
<td>Consumables</td>
<td>Rs. 60,000.00</td>
<td>Rs. 50,000.00</td>
<td>Rs.1,10,000.00</td>
</tr>
<tr>
<td>Contingency</td>
<td>Rs. 30,000.00</td>
<td>Rs. 30,000.00</td>
<td>Rs. 60,000.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>Rs. 90,000.00</strong></td>
<td><strong>Rs. 80,000.00</strong></td>
<td><strong>Rs. 1,70,000.00</strong></td>
</tr>
</tbody>
</table>

The sanction of the grant is subject to the following conditions:

1) The grant will be released in the name of the Principal Investigator of the concerned department.

2) The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.
3) The grant shall be utilized for the purpose for which it has been sanctioned. Mixing of heads of expenditure mentioned in the table is not allowed.

4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator. Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. Excess expenditure, beyond sanctioned grants will not be considered.

5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.

6) Any correspondence by the investigators to the Dean (R&D)/Principal of Dr. AIT shall be routed through HOD of the grantee department.

7) The grantee department shall abide by the rules and regulations of Dr. AIT research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

Thanking you,

Yours faithfully

Signature                                      Signature

Dr. G.V. Jayaramaiah                          Dr. C. Nanjunda Swamy
Dean (R & D)                                  Principal

Copy with compliments to:

1. Hon’ble Secretary, PVPWT, for kind information
2. Vice Principal for information
3. Head, Account Section, for information
4. Registrar/AAO, for information
5. Dean (R&D) for file,
6. PA-Principal for file
To
Dr. K.N. Anuradha
Professor
Department of Physics
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Administrative Approval

Subject: Financial Assistance under Dr. AIT R & D Grant Scheme for the research project entitled “Synthesis and Dielectric Studies of PPY based Nanocomposites” submitted by Dr. K.N. Anuradha, Principal Investigator-Reg.

Ref No: Dr. AIT/R&D/2019-20/22 Dated: 16/03/2020

Sir/Madam,

With reference to the above subject, the project proposal entitled “Synthesis and Dielectric Studies of PPY based Nanocomposites” submitted by Dr. Anuradha. K.N, Principal Investigator, Department of Physics of Dr. Ambedkar Institute of Technology(Dr. AIT), Bengaluru-560056 is sanctioned with a grant of **Rs 1,20,000/- (Rupees One Lakh Twenty thousands only)** for a period of **12 months**.

The details of the grant for which the total allocation of Rs.1, 20,000/- are as follows

<table>
<thead>
<tr>
<th>Expenditure details</th>
<th>6 Months</th>
<th>6 Months</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment:</td>
<td>Rs.1,20,000.00</td>
<td>Rs. 00.00</td>
<td>Rs.1,20,000.00</td>
</tr>
<tr>
<td>Consumables</td>
<td>Rs. 00.00</td>
<td>Rs. 00.00</td>
<td>Rs. 00.00</td>
</tr>
<tr>
<td>Contingency</td>
<td>Rs. 00.00</td>
<td>Rs. 00.00</td>
<td>Rs. 00.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>Rs.1,20,000.00</strong></td>
<td><strong>Rs. 00.00</strong></td>
<td><strong>Rs.1,20,000.00</strong></td>
</tr>
</tbody>
</table>

The sanction of the grant is subject to the following conditions:

1) The grant will be released in the name of the Principal Investigator of the concerned department.

2) The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.
3) The grant shall be utilized for the purpose for which it has been sanctioned. Mixing of heads of expenditure mentioned in the table is not allowed.

4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator. Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. **Excess expenditure, beyond sanctioned grants will not be considered.**

5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.

6) Any correspondence by the investigators to the Dean (R& D)/Principal of Dr. AIT shall be routed through HOD of the grantee department.

7) The grantee department shall abide by the rules and regulations of Dr. AIT research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

Thanking you,

Yours faithfully

Signature

Date: 19/3/2000

Dr. G. V. Jayaramaiah
Dean (R & D)

Signature

Dr. C. Nanjunda Swamy
Principal

**Copy with compliments to:**

1. Hon'ble Secretary, PVPWT, for kind information
2. Vice Principal for information
3. Head, Account Section, for information
4. Registrar/AAO, for information
5. Dean (R&D) for file.
6. PA-Principal for file
To Dr. S. Soundeswaran
Assistant Professor
Department of Chemistry/Civil Engineering (Inter Department)
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Date 19.03.2020

Administrative Approval

Subject: Financial Assistance under Dr.AIT R & D Grant Scheme for the research project entitled “Synthesis of Mangeto-Rheological (MR) Fluid for Engineering Applications” submitted by Dr. S. Soundeswaran, Principal Investigator-Reg.

Ref No: Dr. AIT/R&D/2019-20/20 Dated: 16/03/2020

Sir/Madam,

With reference to the above subject, the project proposal entitled “Synthesis of Mangeto-Rheological (MR) Fluid for Engineering Applications” submitted by Dr. S. Soundeswaran, Principal Investigator, Department of Chemistry/Civil Engineering of Dr. Ambedkar Institute of Technology (Dr. AIT), Bengaluru-560 056 is sanctioned with a grant of Rs.2,40,000/- (Rupees Two Lakh Forty thousand only) for a period of 12 months.

The details of the grant for which the total allocation of Rs. 2,40,000/- are as follows:

<table>
<thead>
<tr>
<th>Expenditure details</th>
<th>6 Months (Rs.1,40,000.00)</th>
<th>6 Months (Rs. 00.00)</th>
<th>Total (Rs.1,40,000.00)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment</td>
<td>Rs.1,40,000.00</td>
<td>Rs. 00.00</td>
<td>Rs.1,40,000.00</td>
</tr>
<tr>
<td>Consumables</td>
<td>Rs. 00.00</td>
<td>Rs. 00.00</td>
<td>Rs. 00.00</td>
</tr>
<tr>
<td>Contingency</td>
<td>Rs. 1,00,000.00</td>
<td>Rs. 00.00</td>
<td>Rs. 1,00,000.00</td>
</tr>
<tr>
<td>Total</td>
<td>Rs. 2,40,000.00</td>
<td>Rs. 00.00</td>
<td>Rs. 2,40,000.00</td>
</tr>
</tbody>
</table>

The sanction of the grant is subject to the following conditions:

1) The grant will be released in the name of the Principal Investigator of the concerned department.

2) The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.
4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator. Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. Excess expenditure, beyond sanctioned grants will not be considered.

5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.

6) Any correspondence by the investigators to the Dean (R&D)/Principal of Dr. AIT shall be routed through HOD of the grantee department.

7) The grantee department shall abide by the rules and regulations of Dr. AIT research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

Thanking you,

Yours faithfully,

Signature

Dr. G.V. Jayaramaiah
Dean (R & D)

Signature

Dr. C. Nanjunda Swamy
Principal

Copy with compliments to:
1. Hon'ble Secretary, PVPWT, for kind information
2. Vice Principal for information
3. Head, Account Section, for information
4. Registrar/AAO, for information
5. Dean (R&D) for file.
6. PA-Principal for file
To
Dr. S. Baskaran
Associate Professor
Department of Master of Business Administration
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Date: 20-05-2020

Dr. AIT/R&D/2019-20/3

Administrative Approval

Subject: Financial Assistance under Dr. AIT R & D Grant Scheme for the research project entitled “Cross Marketing Strategies of Financial Products of the Public Sector Banks in Bangalore City” submitted by Dr. M. Mahadeva and Dr. S. Baskaran - Reg.

Ref No: Dr. AIT/R&D/2019-20/ Dated: 20/05/2020

Sir/Madam,

With reference to the above subject, the project proposal entitled “Cross Marketing Strategies of Financial Products of the Public Sector Banks in Bangalore City” submitted by Dr. M. Mahadeva and Dr. S. Baskaran, Principal Investigator, Department of Master of Business Administration of Dr. Ambedkar Institute of Technology (Dr. AIT), Bengaluru-560 056 is sanctioned with a grant of Rs 3,50,000/- (Rupees Three Lakh Fifty thousand only) for a period of 18 months.

The details of the grant for which the total allocation of Rs. 3, 50,000/- are as follows

<table>
<thead>
<tr>
<th>Expenditure details</th>
<th>12 Months (Rs)</th>
<th>6 Months (Rs)</th>
<th>Total in Rupees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumables and conference registration</td>
<td>30000.00</td>
<td>20000.00</td>
<td>50000.00</td>
</tr>
<tr>
<td>Travelling Expenses data collection</td>
<td>20000.00</td>
<td>80000.00</td>
<td>100000.00</td>
</tr>
<tr>
<td>Investigators hired for data collection</td>
<td>72000.00</td>
<td>72000.00</td>
<td>144000.00</td>
</tr>
<tr>
<td>Books</td>
<td>56000.00</td>
<td>0.00</td>
<td>56000.00</td>
</tr>
<tr>
<td>Total</td>
<td>178000.00</td>
<td>172000.00</td>
<td>350000.00</td>
</tr>
</tbody>
</table>

The sanction of the grant is subject to the following conditions:

1) The grant will be released in the name of the Co-Investigator of the concerned department.

2) The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.
3) The grant shall be utilized for the purpose for which it has been sanctioned. Mixing of heads of expenditure mentioned in the table is not allowed.

4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator. Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. **Excess expenditure, beyond sanctioned grants will not be considered.**

5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.

6) Any correspondence by the investigators to the Dean (R&D)/Principal of Dr. AIT shall be routed through HOD of the grantee department.

7) The grantee department shall abide by the rules and regulations of Dr. AIT research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

Thanking you,

With Regards

Signature

Dr.C.Nanjunda Swamy
Principal

Copy with compliments to:

1. Hon’ble Secretary, PVPWT, for kind information
2. Head, Account Section, for information
3. Registrar/AAO, for information
4. Dean (R&D) for file.
5. PA-Principal for file
File No. 6-8/FDC/RPS/SC&ST (POLICY-1)/2019-20

The Drawing and Disbursing Officer
All India Council for Technical Education
Nelson Mandela Marg,
Vasant Kunj, New Delhi-110070.

Sub: Release of a sum of Rs.926885/- being the 1st installment of the total grant of Rs.941000/- for conduct of Project under Research Promotion Scheme (RPS) during the financial year 2019-20.

Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of Rs.926885/- (Rupees Nine Lakh Twenty Six Thousand Eight Hundred Eighty Five Only) as 1st installment out of a total approved grant-in-aid of Rs.941000/- for conduct of a Project under the Research Promotion Scheme (RPS), as per details given below:

<table>
<thead>
<tr>
<th>I</th>
<th>Name and address of the Beneficiary Institution (University / College / Institute)</th>
</tr>
</thead>
<tbody>
<tr>
<td>II</td>
<td>Principal Investigator’s Name &amp; Dept./Course</td>
</tr>
<tr>
<td>III</td>
<td>Category of the PI</td>
</tr>
<tr>
<td>IV</td>
<td>Grant-in-aid Sanctioned</td>
</tr>
<tr>
<td>V</td>
<td>Amount to be Released during the year 2019-20 (as 1st installment)</td>
</tr>
<tr>
<td>VI</td>
<td>Project Duration</td>
</tr>
<tr>
<td>VII</td>
<td>Title of the Project</td>
</tr>
</tbody>
</table>

|  | Registrar / Director / Principal, Dr. Ambedkar Institute of Technology, Outer Ring Road, Near Jnana Bharathi Campus, Mallathahalli, Bangalore Urban, Karnataka - 560056 |
|  | Dr. Nanjundaswamy Chikkamadiah, Civil Engineering |
| SC | |
| Rs.941000/- (Rs. 799850/- for non-recurring and Rs.141150/- for recurring expenditure) |
| Rs.926885/- (Rs.799850/- Full amount of non-recurring & Rs.127035/- 90% of total recurring sanctioned) |
| 3 Years | |
| ASSESMENT OF INDOOR AIR POLLUTION AND ITS IMPACT ON HUMAN HEALTH |

I. Release of funds:

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of Dr. Ambedkar Institute of Technology, Outer Ring Road, Near Jnana Bharathi Campus, Mallathahalli, Bangalore Urban, Karnataka - 560056 through RTGS/PMTS.

2. The sanctioned grant-in-aid is debitable to the Major Head “601.12.b (RPS Plan)” (SC) and is valid for payment during the financial year 2019-20.

3. The sanction issues in exercise of the powers delegated to the Council. It is also certified that grant-in-aid is being released in conformity with the rules and principles of the Scheme.

4. The grant-in-aid is being released in conformity with the Terms & Conditions as well as norms of the scheme as already communicated and also being communicated in this letter.

II. Maintenance of account by the Institute/PI:

1. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.

2. The grant is intended to cover items of expenditure/equipment approved by AICTE.

3. Acknowledgement of receipt of grant and letter of acceptance of terms and conditions is to be submitted to AICTE within 15 days from the receipt of the grant to the following address:

   Director (FDC), AICTE, Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

   Dr. Ambedkar Institute of Technology
   Bengaluru - 560 056.

   Professor and Head
   Department of Civil Engineering
   Dr. Ambedkar Institute of Technology
   Bangalore - 560 056.
4. The accounts of the grantee will be opened for test check by the Council or Comptroller & Auditor General of India or by any officer designated by them.

5. The Principal and PI of the institute are requested to verify the correctness of the undermentioned bank account/RTGS/PFMS details submitted by them alongwith the Proposal, in which the grant is being released. In case of any omission, the same should be reported to AICTE immediately along with refund of entire grant.

<table>
<thead>
<tr>
<th>Institute Pan No.</th>
<th>Bank Name</th>
<th>Bank Branch</th>
<th>Bank Branch Add.</th>
<th>Account Holder Name</th>
<th>Account Type</th>
<th>Account Number</th>
<th>IFSC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAMTP13 25M</td>
<td>Syndicate Bank</td>
<td>Dr. Ambedkar Institute Of Technology Branch</td>
<td>BDA Outer Ring Road, Janada Brahman Campus, Bangalore</td>
<td>Principal</td>
<td>Savings Account</td>
<td>0406201000023</td>
<td>SBIN000486</td>
</tr>
</tbody>
</table>

6. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/Government of India from time to time. The grantee institution must follow GFR guidelines in procuring the sanctioned items and maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.

7. Interest accrued on the sanctioned grant-in-aid will be reported and refunded to AICTE and not adjusted against the subsequent installment.

III. General Instructions:

1. It should be ensured that no RPS project in favour of the same PI has been sanctioned during the last 03 years before utilizing this amount and the matter be brought to the notice of this Council immediately in case a faculty is sanctioned multiple RPS Projects.

2. The duration of Project is 03 years and the date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal/Director/Registrar shall intimate about the receipt of the grant to AICTE. Any Expenditure incurred prior to issuance of this Sanction Order, would not allowed to be adjusted in the grant and if the University/Institution do not take-up the project work within 6 months of the receipt of the grant, approval shall ipso facto lapse and the Institute has to necessarily refund the entire grant to AICTE along with interest within a month. In case the grant is not refunded within said duration 18% interest will be levied on it. The grant has to be refunded to AICTE, by way of a demand draft in favor of Member Secretary, AICTE payable at New Delhi.

3. As AICTE needs adequate time for depositing the demand draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

4. The Institute may constitute a Project Evaluation Committee (PEC) The composition of the PEC shall be as under:
   i. Principal/Director of the institution (Chairperson)
   ii. Two HODs from institute (Members)
   iii. In case of private institute one subject expert from government institute, not below the rank of Associate Professor (Member)
   iv. Coordinator of the project (Member Secretary)

5. The grant shall be utilized strictly for the purpose as specified in the sanction letter. Re-appropriation of funds from one Head to another is strictly not permitted viz. Recurring and non-recurring Heads. Further, the equipment(s)/item(s) purchased should be as per the specifications and individual item-wise costs sanctioned by AICTE, and not taking the total grant sanctioned as one entity. Item-wise purchase cost shall be matched with the sanctioned cost, and the cost of item purchased below the sanction cost shall be restricted as actual cost. If the item purchase cost is higher than its sanctioned cost, the cost shall be restricted to the sanctioned cost and the additional amount shall be met by the Institute from its own resources.

6. Similarly, the recurring grant shall be used for the items sanctioned by the AICTE. No money be used for going abroad to attend Conference / seminars. However, for presenting a Paper in a Seminar / Conference within the country, the travel expenses may be met from the recurring grant.

7. No request for additional grant over and above the sanctioned grant shall be considered by the AICTE. The additional amount, if any, expended beyond the sanctioned grant shall be met by the Institute from its own resources.

8. The institute/University shall not charge any overheads on this Project and will provide all the administrative support and timely release of grant to PI for completion of the Project.

Principal

[Signature]

Dr. Ambedkar Institute of Technology
Bengaluru - 560056.

Professor and Head

[Signature]

Department of Civil Engineering
Ambedkar Institute of Technology
Bengaluru - 560056.
The grantee shall utilize grants only on approved items as per list of equipment attached. However, if the grantee wishes to recast the Project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India. The revised proposal should be within the total grant sanctioned and duly supported with reasons and recommendations of the Project Evaluation Committee.

The assets acquired wholly or substantially out of All India Council for Technical Education’s grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education.

Each project sanctioned by AICTE is assigned a specific Reference Number which is given on pre-page. All correspondence address to AICTE regarding the project must quote this number along with year of sanction of the project, otherwise correspondence may not be entertained.

The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the Council from time to time.

IV. Submission of documents by the institute/PI to AICTE:

A. Documents to be submitted within one month of completion of each financial year:

i. Annual Progress Report, indicating therein the number of patents, publications or any other achievement.


iii. Audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets in the prescribed form i.e. GFR-19.

iv. Separate Bills/vouchers related to Non-recurring and recurring expenditures duly signed & stamped by the PI & Head of the institution.

v. Stock entry register duly verified by the Store-in-charge and PI & counter signed by Head of institution.

B. Documents to be submitted within two month of completion of the Project:

i. The consolidated Utilization Certificate (UC) and Receipt & Payment Account for the Project duration duly audited.

ii. Consolidated audited statement of expenditure, to the effect that the grant has been utilized for the purpose for which it has been sanctioned. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.

iii. Project Completion Report duly signed & stamped by the PI & Head of the institution and Project Evaluation Committee (PEC) Members.

iv. Principal Investigator/institute to submit the Feed Back Form in AICTE format.

v. The prescribed formats for submission of necessary mandatory documents and Terms & Conditions may please be downloaded from www.aicte-india.org/schemes/research-innovations-development-schemes.

Note: Any deviation from the above said time schedule will cause serious action against the institute.
## Approved List of Items under Non-recurring grant:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Approved Items (As per proposal)</th>
<th>Amount recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Non-recurring (Equipments)</td>
<td>Rs. 799850/-</td>
</tr>
<tr>
<td>i)</td>
<td>Portable indoor air Quality Monitor</td>
<td></td>
</tr>
<tr>
<td>ii)</td>
<td>VOCs</td>
<td>Rs. 127935/-</td>
</tr>
<tr>
<td>B</td>
<td>Recurring (for Contingencies &amp; consumables only)</td>
<td>Rs. 926885/-</td>
</tr>
<tr>
<td></td>
<td>Grand Total (A) + (B)</td>
<td></td>
</tr>
</tbody>
</table>

Copy forwarded for information and necessary action to:

1. Registrar / Director / Principal,  
   Dr. Ambedkar Institute of Technology,  
   Outer Ring Road, Near Jnana Bharathi Campus,  
   Mallathahalli, Bangalore Urban, Karnataka -560056  

2. Name of Principal Investigator,  
   Dr. Nanjundaswamy Chikamadaiah,  
   (Civil Engineering),  
   Dr. Ambedkar Institute of Technology,  
   Outer Ring Road, Near Jnana Bharathi Campus,  
   Mallathahalli, Bangalore Urban, Karnataka -560056  

3. Office of Director General of Audit  
   General Revenues, AGCR Building  
   I.P. Estate, New Delhi-110002.  

4. Guard File

   [Signature]  
   Principal  
   Dr. Ambedkar Institute of Technology  
   Bengaluru - 560 056.

   Yours sincerely,  
   (Col. B. Venkat)  
   Director (FDC)  
   [Date]

   [Signature]  
   Professor and Head  
   Department of Civil Engineering  
   Dr. Ambedkar Institute of Technology  
   Bengaluru - 560 056.
## KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science campus, Bengaluru – 560 012  
Website: http://www.kscst.iisc.ernet.in/spp.html || Email: spp@kscst.iisc.ernet.in || Phone: 080-23600978

### 43rd Series of Student Project Programme: 2019-20

<table>
<thead>
<tr>
<th>Project No.</th>
<th>Project Title</th>
<th>Stream</th>
<th>Guide</th>
<th>Supervisor(s)</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>236</td>
<td>TOWARDS MANY TO MANY COMMUNICATIONS AMONG DEAF, DUMB AND BLIND USERS</td>
<td>B.E.</td>
<td>STREAM A</td>
<td>Mrs. VINUTHA H.</td>
<td>5500.00</td>
</tr>
<tr>
<td>237</td>
<td>DESIGN AND ANALYSIS OF 10 PORT ROUTER FOR NETWORK ON CHIP</td>
<td>B.E.</td>
<td>STREAM A</td>
<td>Mr. DHEERAJ S E.</td>
<td>5500.00</td>
</tr>
<tr>
<td>238</td>
<td>SMART WEARABLE SYSTEM FOR ASTHMA PATIENTS</td>
<td>B.E.</td>
<td>STREAM A</td>
<td>Ms. RAMYA SHREE. E M.</td>
<td>6000.00</td>
</tr>
<tr>
<td>239</td>
<td>AUTOMATED SYSTEM FOR EYE SCAN</td>
<td>B.E.</td>
<td>STREAM A</td>
<td>Dr. SHANTI K J</td>
<td>3000.00</td>
</tr>
</tbody>
</table>

**Note:**
- The sanctioned amount will be sent separately by KSCST to the College in the name of the principal by NEFT transfer. The details of transaction no. and date will be intimated.
- The evaluation of above projects will be conducted at the nodal centres in the month of May / June 2020. Participation in the evaluation process at the nodal centres is mandatory, failing which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- Further projects will be shortlisted for state level seminar & exhibition which will be conducted during July / August 2020.
- After completion of the projects, the hard copy and soft copy (PDF format only) of the report needs to be sent to KSCST without fail.
- Any corrections with respect to the names of the guide and students should be requested at spp@kscst.iisc.ernet.in.
The Drawing and Disbursing Officer  
All India Council for Technical Education  
Nelson Mandela Marg,  
Vasant Kunj, New Delhi-110070.

Sub:       Release of a sum of Rs.985000/- being the 1st installment of the total grant of Rs.1000000/- for conduct of Project under Research Promotion Scheme (RPS) during the financial year 2019-20.

Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of Rs. 985000/- (Rupees Nine Lakh Eighty Five Thousand Only) as 1st installment out of a total approved grant-in-aid of Rs. 1000000/- for conduct of a Project under the Research Promotion Scheme (RPS), as per details given below:

| I. | Name and address of the Beneficiary Institution (University / College / Institution) | : | REGISTRAR / DIRECTOR / PRINCIPAL, DR. AMBEDKAR INSTITUTE OF TECHNOLOGY, OUTER RING ROAD, NEAR JNANA BHARATHI CAMPUS, MALLATHAHALI, BANGLORE URBAN KARNATAKA - 560056 |
| II. | Principal Investigator’s Name & Dept./Course | : | Dr. SIVAKUMAR BALAKRISHNAN Electronics Engineering |
| III. | Grant-in-aid Sanctioned | : | Rs. 1000000/- (Rs.850000/- for non-recurring and Rs.150000/- for recurring expenditure) |
| IV. | Amount to be Released during the year 2019-20 (as 1st installment) | : | Rs. 985000/- (Rs.850000/- Full amount of non-recurring & Rs.135000/-90% of recurring sanctioned) |
| V. | Project Duration | : | 3 Years |
| VI. | Title of the Project | : | A Design of Smart Antenna based Mobile Ad Hoc Network |

I. Release of funds:

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of DR. AMBEDKAR INSTITUTE OF TECHNOLOGY, OUTER RING ROAD, NEAR JNANA BHARATHI CAMPUS, MALLATHAHALI, BANGLORE URBAN KARNATAKA 560056 through RTGS/PMFS.

2. The sanctioned grant-in-aid is debitable to the Major Head “601.12.a (RPS Plan)” Gen. and is valid for payment during the financial year 2019-20.

3. The sanction issues in exercise of the powers delegated to the Council. It is also certified that grant-in-aid is being released in conformity with the rules and principles of the Scheme.

4. The grant-in-aid is being released in conformity with the Terms & Conditions as well as norms of the scheme as already communicated and also being communicated in this letter.

II. Maintenance of account by the Institute/PI:

1. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.

2. The grant is intended to cover items of expenditure/equipment approved by AICTE.

3. Acknowledgement of receipt of grant and letter of acceptance of terms and conditions is to be submitted to AICTE within 15 days from the receipt of the grant to the following address:

   Advisor (RIFD), AICTE, Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

Contd...2/
4. The accounts of the grantee will be opened for test check by the Council or Comptroller & Auditor General of India or by any officer designated by them.

5. The Principal and PI of the institute are requested to verify the correctness of the undermentioned bank account/RTGS/PFMS details submitted by them along with the Proposal, in which the grant is being released. In case of any omission, the same should be reported to AICTE immediately along with refund of entire grant:-

<table>
<thead>
<tr>
<th>Institute PAN No.</th>
<th>Bank Name</th>
<th>Bank Branch</th>
<th>Bank Address</th>
<th>Branch</th>
<th>Account Holder Name</th>
<th>Account Type</th>
<th>Account Number</th>
<th>IFSC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAATP13 25M</td>
<td>SYNDICA TE BANK</td>
<td>Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY BRANCH</td>
<td>BDA OUTER RING ROAD, MALLATHABALL, BANGALORE-560056</td>
<td>PRINCIPA L</td>
<td>Saving Account</td>
<td>048620100000 46</td>
<td>SYNB0000486</td>
<td></td>
</tr>
</tbody>
</table>

6. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/Government of India from time to time. Grantee institution must follow GFR guidelines in procuring the sanctioned items and maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.

7. Interest accrued on the sanctioned grant-in-aid will be reported and refunded to AICTE and not adjusted against the subsequent installment.

III. General Instructions:

1. It should be ensured that no RPS project in favour of the same P.I. has been sanctioned during the last 03 years before utilizing this amount and the matter be brought to the notice of this Council immediately in case a faculty is sanctioned multiple RPS Projects.

2. The duration of Project is 03 years and the date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal/Director/Registrar shall intimate about the receipt of the grant to AICTE. Any Expenditure, incurred prior to issuance of this Sanction Order, would not allowed to be adjusted in the grant and if the University/Institution do not take-up the project work within 6 months of the receipt of the grant, approval shall ipso facto lapse and the Institute has to necessarily refund the entire grant to AICTE along with interest within a month. In case the grant is not refunded within said duration 18% interest will be levied on it. The grant has to be refunded to AICTE, by way of a demand draft in favor of Member Secretary, AICTE payable at New Delhi.

3. As AICTE needs adequate time for depositing the demand draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

4. The Institute may constitute a Project Evaluation Committee (PEC) The composition of the PEC shall be as under:
   i. Principal/Director of the institution (Chairperson)
   ii. Two HODs from institute (Members)
   iii. In case of private institute one subject expert from government institute, not below the rank of Associate Professor (Member)
   iv. Coordinator of the project (Member Secretary)

5. The grant shall be utilized strictly for the purpose as specified in the sanction letter. Re-appropriation of funds from one Head to another is strictly not permitted viz. Recurring and non-recurring Heads. Further, the equipment(s)/item(s) purchased should be as per the specifications and individual item-wise costs sanctioned by AICTE, and not taking the total grant sanctioned as one entity. Item-wise purchase cost shall be matched with the sanctioned cost, and the cost of item purchased below the sanction cost shall be restricted as actual cost. If the item purchase cost is higher than its sanctioned cost, the cost shall be restricted to the sanctioned cost and the additional amount shall be met by the Institute from its own resources.

6. Similarly, the recurring grant shall be used for the items sanctioned by the AICTE. No money be used for going abroad to attend Conference / seminars. However, for presenting a Paper in a Seminar / Conference within the country, the travel expenses may be met from the recurring grant.

7. No request for additional grant over and above the sanctioned grant shall be considered by the AICTE. The additional amount, if any, expended beyond the sanctioned grant shall be met by the Institute from its own resources.

8. The institute/University shall not charge any overheads on this Project and will provide all the administrative support and timely release of grant to PI for completion of the Project.

Contd...
9. The grantee shall utilize grants only on approved items as per list of equipment attached. However, if the grantee wishes to recast the Project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India. The revised proposal should be within the total grant sanctioned and duly supported with reasons and recommendations of the Project Evaluation Committee.

10. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education.

11. Each project sanctioned by AICTE is assigned a specific Reference Number which is given on pre-page. All correspondence address to AICTE regarding the project must quote this number along with year of sanction of the project, otherwise correspondence may not be entertained.

12. The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the Council from time to time.

IV. Submission of documents by the institute/PI to AICTE:

A. Documents to be submitted within one month of completion of each financial year:
   i. Annual Progress Report, indicating therein the number of patents, publications or any other achievement.
   iii. Audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets in the prescribed form i.e. GFR-19.
   iv. Separate Bills/vouchers related to Non-recurring and recurring expenditures duly signed & stamped by the PI & Head of the institution.
   v. Stock entry register duly verified by the Store-in-charge and PI & counter signed by Head of institution.

B. Documents to be submitted within two month of completion of the Project:
   i. The consolidated Utilization Certificate (UC) and Receipt & Payment Account for the Project duration, duly audited.
   ii. Consolidated audited statement of expenditure, to the effect that the grant has been utilized for the purpose for which it has been sanctioned. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
   iii. Project Completion Report duly signed & stamped by the PI & Head of the institution and Project Evaluation Committee (PEC) Members.
   iv. Principal Investigator/institute to submit the Feed Back Form in AICTE format.
   v. The prescribed formats for submission of necessary mandatory documents and Terms & Conditions may please be downloaded from www.aicte-india.org/schemes/research-innovations-development-schemes.

Note: Any deviation from the above said time schedule will cause serious action against the institute.
**Approved List of Items under Non-recurring grant:**

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Approved Items (As per proposal)</th>
<th>Amount recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.</td>
<td>Non-recurring (equipments)</td>
<td></td>
</tr>
<tr>
<td>i)</td>
<td>Spectrum Analyzer</td>
<td>Rs. 850000/-</td>
</tr>
<tr>
<td>ii)</td>
<td>Fabrication</td>
<td></td>
</tr>
<tr>
<td>iii)</td>
<td>Ansoft HFSS software</td>
<td></td>
</tr>
<tr>
<td>iv)</td>
<td>Antenna pattern recorder</td>
<td></td>
</tr>
<tr>
<td>B.</td>
<td>Recurring (for contingencies &amp; consumables only)</td>
<td>Rs. 150000/-</td>
</tr>
<tr>
<td></td>
<td>Grand Total (A) + (B)</td>
<td>Rs. 1000000/-</td>
</tr>
</tbody>
</table>

Copy forwarded for information and necessary action to:

1. **REGISTRAR / DIRECTOR / PRINCIPAL,**
   
   DR. AMBEDKAR INSTITUTE OF TECHNOLOGY, OUTER RING ROAD, NEAR JNANA BHARATHI CAMPUS, MALLATHAHALLI, BANGLORE URBAN KARNATAKA - 560056

2. **NAME OF PRINCIPAL INVESTIGATOR,**
   Dr. SIVAKUMAR BALAKRISHNAN,
   DR. AMBEDKAR INSTITUTE OF TECHNOLOGY, OUTER RING ROAD, NEAR JNANA BHARATHI CAMPUS, MALLATHAHALLI, BANGLORE URBAN KARNATAKA - 560056

3. **OFFICE OF DIRECTOR GENERAL OF AUDIT**
   GENERAL REVENUES, AGCR BUILDING I.P. ESTATE, NEW DELHI-110002.

4. **GUARD FILE**

   PRINCIPAL
   Dr. Ambedkar Institute of Technology
   Bengaluru - 560 056.

   (Dileep N. Malkhede)
   Advisor (RIFD)

   12 DEC 2019
Dr. H. Hanne Gowda
Special Secretary (Technical),
Dept. of IT, BT and S&T/
Managing Director, KSTEPS

No. KSTEPS/VGST-RGS-F/2018-19/GRD No.799/315  Date: 17.07.2019

Dear Sir/Madam,

Sub: Intimation of selection of the project under the VGST scheme of RGS/F— reg.

Greetings from the Department of Science and Technology, GoK & KSTEPS. We are pleased to inform you that the project titled “Condition monitoring of Internal Combustion (IC) Engine Using Vibration Analyses and Acoustic Emission Technique” submitted under the VGST scheme of RGS-F for the financial year 2018-19 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Bharat Ratna Prof. CNR Rao, Honorary President, JNCASR.

You are requested to take an immediate action to initiate the project at the earliest and to be completed within a year after receiving the grant from our office. The total grant allocated for the project is of Rs. 5.00 lakh.

The grant will be paid to the Head of the Institution, under whose supervision the Principal Investigator shall be responsible for completion of the stated objectives of the project. The Principal Investigator through the Institution Head shall have to submit the progress report in soft copy once in 3 months without fail. The grants shall be used only for the purposes described in the grant application by following due procedures of KTPP Act. Any deviation from the scheduled plan must have a prior approval from the VGST.

The funding agency has the right to terminate the project, if it is found to be not satisfactorily pursuing and fulfilling the stated project goals and objectives. Any unspent balance must be returned back to the funding agency within 60 days following the conclusion of the project. Any publications or other dissemination arising from research supported by VGST grants should be acknowledged.

Dr. S. G. Sreekanteswara Swamy, Consultant, VGST will be the nodal officer for all future correspondences related to the project. His contact details are given below:

Vision Group on Science and Technology,
Department of IT, BT and S & T,
Room No. 702, 7th Floor, 4th Gate,
M.S. Building, Dr. Ambedkar Veedhi,
Bengaluru – 560 001.
Phone : 080-2203 2013
Email : visiongroup_st@gmail.com
Website : www.vgst.in

[Signature]
Principal
Dr. Ambedkar Institute of Technology
Bengaluru - 560 058.
Mr. H. Hemanth Kumar  
Executive Secretary  

Ref: 7.1.01/SPP/1333  

The Principal,  
Dr. Ambedkar Institute of Technology Campus,  
BDA Outer Ring Road,  
Bengaluru - 560 056.

27th March 2019

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : 425_BE_1561  
Ref : Your Project Proposal entitled "CONGESTION CONTROL AND COLLISION AVOIDANCE IN VEHICULAR AREA NETWORK"

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

<table>
<thead>
<tr>
<th>Student / s</th>
<th>Ms. Saniya Sultana and others</th>
<th>Budget</th>
<th>Amount (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guide/s</td>
<td>Prof. Usha Rani M.A</td>
<td>Labor</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Travel</td>
<td>500.00</td>
</tr>
<tr>
<td>Department</td>
<td>Telecommunication Engineering</td>
<td>Miscellaneous</td>
<td>500.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Report</td>
<td>500.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOTAL</td>
<td>6,500.00</td>
</tr>
</tbody>
</table>

SIX THOUSAND FIVE HUNDRED RUPEES ONLY

The following are the guidelines to carryout the project work:

a) The project should be performed based on the objectives of the proposal sent by you.

b) The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.

c) Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.

d) Please quote your project reference number printed above in all your future correspondences.

e) Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following:

1) Title of the project
2) Name of the College & Department
3) Name of the students & Guide(s)
4) Keywords
6) Introduction / background
   (with specific reference to the project, work done earlier, etc) - about 20 lines
6) Objectives (about 10 lines)
7) Methodology (about 20 lines)
   (materials, methods, details of work carried out, including drawings, diagrams etc)
8) Results and Conclusions
   (about 20 lines with specific reference to work carried out)
9) Scope for future work (about 20 lines).
   (Note: The write-up (Synopsis) should be sent with the approval of project guide.
   The softcopy of the write-up, in MS Word format, should be sent by e-mail
   (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal
   reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the
bank account details as per the format enclosed with this letter.
The sponsored projects evaluation will be held in the Nodal Centre and the details of
the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please
email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

[H. Hemanth Kumar]

Copy to:
1) The Head of the Department of
   Telecommunication Engineering
   Dr. Ambedkar Institute Of Technology Campus,
   Bda Outer Ring Road,
   Bengaluru - 560 056.

2) Prof. Usha Rani M.A
   Department of Telecommunication Engineering
   Dr. Ambedkar Institute Of Technology Campus,
   Bda Outer Ring Road,
   Bengaluru - 560 056.

3) The Finance Officer, KSCST, Bangalore

End: As Above

[Signature]

Dr. Ambedkar Institute of Technology
Bengaluru - 560 056.
Dr. H. Honne Gowda  
Special Director (Technical),  
Dept. of IT, BT and S&T / Managing director, KSTePS

No. KSTePS/VGST-RGS/F/GRD No.728/2017-18  
Date: 27.08.2018

Dear Sir/Madam,

Sub: Intimation of selection of RGS/F Project under the VGST scheme -reg.

Greetings from KSTePS, Dept. of Information Technology, Biotechnology and Science and Technology!!

We are pleased to inform you that the RGS/F Engineering program titled "Use of Wearable Devices to Perform Real Time Analysis for the Wellness of Aging Population and Patients by Developing a Big Data Analytics System" submitted under the VGST scheme for the Financial Year 2017-18 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Prof. CNR Rao, Honorary President, JNCASR. You may kindly initiate necessary action for organization of the program at the earliest.

Please provide the cheque in favour address of your Institution, for releasing the sanctioned grants.

I want to personally thank you for being selected as one of the VGST program members and we wish you a great success in organization of the program.

Thanking You,

\[Signature\]
Managing Director

To,

The Principal  
Dr. Ambedkar Institute of Technology  
BDA Outer Ring Road, Mallathahalli  
Near Jnanabharathi Campus  
Bengaluru-560 056

CC: 1. Dr. S. Gowrishankar, Dept. of CSE, Dr. Ambedkar Institute of Technology, BDA Outer Ring Road Mallathahalli, Near Jnanabharathi Campus, Bengaluru-560 056 - RGS/F Grantee.  
2. Consultant, Vision Group on Science and Technology, KSTePS, Dept. of IT, BT and S&T Karnataka Government Secretariat, Room No. 702, 7th Floor, 4th Gate, M. S. Building Dr. Ambedkar Veedhi, Bangalore- 560 001.
To,

The Principal,
Dr. Ambedkar Institute of Technology,
BDA Outer Ring Road, Mallathahalli,
Near Jnana Bharathi Campus, Bangalore – 560 056.

Dear Sir,

Subject: Approval for the submission of PART-A for purchase the Equipment – GRD – 728,

***

With reference to the approval of GRD-728, Dr. Ambedkar Institute of Technology, BDA Outer Ring Road, Mallathahalli, Near Jnana Bharathi Campus, Bangalore under the scheme RGS/F proposed by Dr. S. Gowrishankar, Department of Computer Science and Engineering, the project titled “Use of Wearable Devices to Perform Real Time Analysis for the Wellness of Aging Population and Patients By Developing a Big Data Analytics System” was released the grant of Rs 5.00 lakhs for the FY: 2017-18 (Cheque no:006007, Dt:18.09.2018).

As submitted the PART – A of GRD-728, by the Grantee Institution requesting for the purchase of Equipment from the grants. The details are as follows.


<table>
<thead>
<tr>
<th>Sl. NO</th>
<th>Submitted in PART-A under non-recurring (MTP)</th>
<th>Amount (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>High End Laptop With GPU</td>
<td>88,000.00</td>
</tr>
<tr>
<td>2</td>
<td>Large Screen Monitor</td>
<td>20,000.00</td>
</tr>
<tr>
<td>3</td>
<td>Mobile based on Android One</td>
<td>32,000.00</td>
</tr>
<tr>
<td>4</td>
<td>High End All in one Printer</td>
<td>20,000.00</td>
</tr>
<tr>
<td>5</td>
<td>Tabs</td>
<td>36,000.00</td>
</tr>
<tr>
<td>6</td>
<td>Raspberry Pi With accessories and sensors</td>
<td>36,000.00</td>
</tr>
<tr>
<td>7</td>
<td>Arduino with accessories and sensors</td>
<td>36,000.00</td>
</tr>
<tr>
<td>8</td>
<td>Amazon Echo Plus</td>
<td>30,000.00</td>
</tr>
<tr>
<td>9</td>
<td>Google Home</td>
<td>20,000.00</td>
</tr>
<tr>
<td>10</td>
<td>Smart Watches</td>
<td>25,000.00</td>
</tr>
<tr>
<td>11</td>
<td>Health Trackers</td>
<td>22,000.00</td>
</tr>
<tr>
<td>12</td>
<td>Quadcopters (Drone) and accessories</td>
<td>15,000.00</td>
</tr>
<tr>
<td>13</td>
<td>Robotics kit and accessories</td>
<td>20,000.00</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>4,00,000.00</strong></td>
</tr>
</tbody>
</table>
Recurring Budget Estimate for the FY: 2017-18

<table>
<thead>
<tr>
<th>SL NO</th>
<th>Submitted in PART – A under Recurring Budget Estimate by Grantee Institution</th>
<th>AMOUNT (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Electrical and Electronic Spare Parts</td>
<td>10,000.00</td>
</tr>
<tr>
<td>2</td>
<td>Contingency</td>
<td>20,000.00</td>
</tr>
<tr>
<td>3</td>
<td>Books and Journal</td>
<td>5,000.00</td>
</tr>
<tr>
<td>4</td>
<td>Stationary Items</td>
<td>15,000.00</td>
</tr>
<tr>
<td>5</td>
<td>Paper Publications</td>
<td>50,000.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>1,00,000.00</strong></td>
</tr>
</tbody>
</table>

The submitted Proposals and PART – A document details are as follows

<table>
<thead>
<tr>
<th>PART – A</th>
<th>AMOUNT (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-tendering (ETP)</td>
<td>00.00</td>
</tr>
<tr>
<td>Manual -tendering s(MTP)</td>
<td>4,00,000.00</td>
</tr>
</tbody>
</table>

**TOTAL** | 4,00,000.00

<table>
<thead>
<tr>
<th>PART – B</th>
<th>AMOUNT (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumables and Contingency</td>
<td>1,00,000.00</td>
</tr>
</tbody>
</table>

**Total (A+B)** | 5,00,000.00

Approval as per (PART - A submitted by GI / PC) | 5,00,000.00

**BALANCE AMOUNT** | 00.00

In this view, as mentioned in the procurement document (PART-A), you may purchase the equipment through Manual-Tendering. Please do not deviate the purchase procedure for the procurement of equipment. Please submit the PART-B and PART-C (download in VGST website) to the VGST office after completion of the process. This is for your kind information.

With thanks and regards,

Yours sincerely,

(Dr.S.G.Sreekanteswara Swamy)

Consultant

CC: Dr. S. Gowrishankar, Department of Computer Science and Engineering, Dr. Ambedkar Institute of Technology, BDA Outer Ring Road, Mallathaballi, Near Jnana Bharathi Campus, Bangalore – 560 056.
Dear Sir,

Sub: Sanction of Student Project - 41st Series: Year 2017-2018
Your Project Proposal Reference No.: 415_BE_0579

Ref: Your Project Proposal entitled "SMART PHONE CONTROLLED UNMANNED GROUND SENSOR DRONE VEHICLE FOR AIR QUALITY AND ENVIRONMENTAL MONITORING"

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

<table>
<thead>
<tr>
<th>Student / s</th>
<th>Ms. Swathi S and others</th>
<th>Budget</th>
<th>Amount (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guide/s</td>
<td>Mrs. Soumya M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Telecommunication Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Materials/Consumables</td>
<td></td>
<td>3,000.00</td>
</tr>
<tr>
<td></td>
<td>Labor</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Travel</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Miscellaneous</td>
<td></td>
<td>500.00</td>
</tr>
<tr>
<td></td>
<td>Report</td>
<td></td>
<td>500.00</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td></td>
<td>4,000.00</td>
</tr>
</tbody>
</table>

The following are the guidelines to carryout the project work:

a) The project should be performed based on the objectives of the proposal sent by you.

b) The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.

c) Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.

d) Please quote your project sanction reference number printed above in all your future correspondences.

e) Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [sp@kscst.isc.ernet.in] and should include following:

1) Title of the project
2) Name of the College & Department
3) Name of the students & Guide(s)
4) Keywords
6) Introduction / background
(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)
(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions
(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).
(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent separately by our Accounts Department.
The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

(S.G.S. Swamy)

Copy to:
1) The Head of the Department of
   Telecommunication Engineering
   Dr. Ambedkar Institute Of Technology Campus,
   Bda Outer Ring Road,
   Bengaluru - 560 056.

2) Prof. Usharani M A
   Department of Telecommunication Engineering
   Dr. Ambedkar Institute Of Technology Campus,
   Bda Outer Ring Road,
   Bengaluru - 560 056.

3) The Finance Officer, KSCST, Bangalore

Principal
Dr. Ambedkar Institute of Technology
Bengaluru - 560 056.
Dr. S. G. Sreekanteswara Swamy  
Executive Secretary

Ref: 7.1.01/SPP/08  

The Principal,
Dr. Ambedkar Institute of Technology Campus,
BDA Outer Ring Road,
Bengaluru - 560 056.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018
Your Project Proposal Reference No. : 41S_BE_0526
Ref : Your Project Proposal entitled "ANDROID BASED WARRIORS ROBOT WITH WIRELESS NIGHT VISION CAMERA"

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

<table>
<thead>
<tr>
<th>Student / s</th>
<th>Mr. Chethan Gowda H S and others</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guide/s</td>
<td>Prof. Usharani M A</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Telecommunication Engineering</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Amount (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Materials/Consumables</td>
<td>5,000.00</td>
</tr>
<tr>
<td>Labor</td>
<td></td>
</tr>
<tr>
<td>Travel</td>
<td></td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>500.00</td>
</tr>
<tr>
<td>Report</td>
<td>500.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>6,000.00</strong></td>
</tr>
</tbody>
</table>

The following are the guidelines to carry out the project work:

a) The project should be performed based on the objectives of the proposal sent by you.

b) The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.

c) Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.

d) Please quote your **project sanction reference number printed above** in all your future correspondences.

e) Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following:

1) Title of the project
2) Name of the College & Department
3) Name of the students & Guide(s)
4) Keywords
6) Introduction / background
   (with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)
   (materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions
   (about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).
   (Note: The write-up (Synopsis) should be sent with the approval of project guide.
   The softcopy of the write-up, in MS Word format, should be sent by e-mail
   (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal
   reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent separately by our Accounts Department.

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the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please
e-mail to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Your sincerely,

(S.G.S. Swainy)

Copy to:
1) The Head of the Department of
   Telecommunication Engineering
   Dr. Ambedkar Institute Of Technology Campus,
   Bda Outer Ring Road,
   Bengaluru - 560 056.

2) Prof. Mahesan. K. V
   Department of Telecommunication Engineering
   Dr. Ambedkar Institute Of Technology Campus,
   Bda Outer Ring Road,
   Bengaluru - 560 056.

3) The Finance Officer, KSCST, Bangalore

   [Signature]

   Principal

   Dr. Ambedkar Institute of Technology
   Bengaluru - 560 056.
Dr. S. G. Sreelaksmeswara Swamy
Executive Secretary

Ref: 7.1.01/SPP/08

The Principal,
Dr. Ambedkar Institute of Technology Campus,
BDA Outer Ring Road,
Bengaluru - 560 056.

Dear Sir,

Sub: Sanction of Student Project - 41st Series: Year 2017-2018
Your Project Proposal Reference No.: 415_BE_0435

Ref: Your Project Proposal entitled "ARM CORTEX-M3 BASED SECURE DATA TRANSMISSION FOR EXAMINATION SYSTEM"

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for “Student Project Programme - 41st Series” and has been sanctioned with a budgetary break-up as detailed below:

<table>
<thead>
<tr>
<th>Student(s)</th>
<th>Mr. Bhargava P and others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guide(s)</td>
<td>Prof. Mahesan. K. V</td>
</tr>
<tr>
<td>Department</td>
<td>Telecommunication Engineering</td>
</tr>
<tr>
<td>Budget</td>
<td></td>
</tr>
<tr>
<td>Materials/Consumables</td>
<td>4,000.00</td>
</tr>
<tr>
<td>Labor</td>
<td></td>
</tr>
<tr>
<td>Travel</td>
<td></td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>500.00</td>
</tr>
<tr>
<td>Report</td>
<td>500.00</td>
</tr>
<tr>
<td>TOTAL</td>
<td>5,000.00</td>
</tr>
<tr>
<td>Rupees Five Thousand</td>
<td></td>
</tr>
</tbody>
</table>

The following are the guidelines to carry out the project work:

a) The project should be performed based on the objectives of the proposal sent by you.

b) The project should be completed in all respects and one copy of the hard bound report along with soft copy of the full report in a CD (pdf format) should be submitted to KSCST.

c) Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.

d) Please quote your **project sanction reference number printed above** in all your future correspondences.

e) Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.itscernet.in] and should include following:

1) Title of the project
2) Name of the College & Department
3) Name of the students & Guide(s)
4) Keywords
Dear Sir,

Sub.: Intimation of selection of the project under the VGST scheme of KFIST Level (1) – reg.

Greetings from the Dept. of Information Technology, Biotechnology and Science & Technology!!

We are pleased to inform you that the project titled "Monosek for Network Security Lab" submitted under the VGST scheme of KFIST Level (1) for the financial year 2016-17 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Prof. CNR Rao, Honorary President, JNCASR.

The total project grant award for a period of 2 years is Rs. 20.00 lakhs, which will be released annually @ Rs. 10.00 lakhs based on the progress of work. You are requested to take an immediate action to initiate the project at the earliest and to be completed within 2 years after receiving the cheque of 1st installment from our office.

The grant will be paid to the Head of the Institution, under whose supervision the Principal Investigator shall be responsible for completion of the stated objectives of the project. The Principal Investigator through the Institution Head shall have to submit the progress report in soft copy (word & pdf) once in 6 months without any fail. The grants shall be used only for the purposes described in the grant application by following due procedures of KTPP Act. Any deviation from the scheduled plan must have a prior approval from the VGST. A sample copy of the Utilization Certificate is enclosed for information and necessary action in the future.

Future releases of grants will be based on satisfactory project performance. The funding agency has the right to terminate the project, if it is found to be not
satisfactorily pursuing and fulfilling the stated project goals and objectives. Any unspent balance must be returned back to the funding agency within 60 days following the conclusion of the project. Any publications or other dissemination arising from research supported by VGST grants should be acknowledged.

Dr. S. G. Sreekanteswara Swamy, Consultant, VGST will be the nodal officer for all future correspondences related to the project. His contact details are given below:

Vision Group on Science and Technology
Dept. of IT, BT and S&T, Karnataka Government Secretariat,
Room No. 702, 7th Floor, 4th Gate,
M.S. Building, Dr. Ambedkar Veedhi,
Bangalore – 560001.

Phone : 080-2203 2013
Email : visiongroup.st@gmail.com
Website : www.vgst.in

I want to personally thank you for being selected as one of the VGST program members and we wish you and the Principal Investigator a great success in the implementation of the project.

Thanking you

Yours sincerely,

(H. Honne Gowda)

To,
The Principal
Dr. Ambedkar Institute of Technology
Near Jnana Bharathi Campus,
Bengaluru - 560056.

CC:
Dr. Yamuna Devi C R, Program Coordinator, Dept. of Telecommunication Engineering,
Dr. Ambedkar Institute of Technology, Near Jnana Bharathi Campus,
Bengaluru - 560056.
Dr. H. Hanne Gowda
Special Director (Technical),
Dept. of IT, BT and S&T/
Managing Director, KSTEPS

No. KSTEPS/VGST-KFIST (L1)/2017

Date: 27.11.2017

Dear Sir,

Sub: Intimation of selection of the project under the VGST scheme of KFIST Level (1) – reg.

Greetings from the Dept. of Information Technology, Biotechnology and Science & Technology!!

We are pleased to inform you that the project titled “Digital encryption of speech Signal using Chaotic Based stream cipher system for secure Voice communication” submitted under the VGST scheme of KFIST Level (1) for the financial year 2016-’17 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Prof. CNR Rao, Honorary President, JNCASR.

The total project grant award for a period of 2 years is Rs. 20.00 lakhs, which will be released annually @ Rs. 10.00 lakhs based on the progress of work. You are requested to take an immediate action to initiate the project at the earliest and to be completed within 2 years after receiving the cheque of 1st installment from our office.

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Room No. 702, 7th Floor, 4th Gate,
M.S. Building, Dr. Ambedkar Veedhi,
Bangalore – 560001.

Phone : 080-2203 2013
Email : visiongroup.st@gmail.com
Website : www.vgst.in

I want to personally thank you for being selected as one of the VGST program members and we wish you and the Principal Investigator a great success in the implementation of the project.

Thanking you

Yours sincerely,

(H. Honne Gowda)

To,
The Principal
Dr. Ambedkar Institute of Technology
Near Jnana Bharathi Campus, Bengaluru - 560056.

CC: Dr. Ramesh S, Program Coordinator, Dept. of Electronics and Communication Engineering, Dr. Ambedkar Institute of Technology, Near Jnana Bharathi Campus, Bengaluru - 560056.