Civil Engineering department has always given importance to Research and Consultancy to endow students with engineering practical knowledge for building a strong foundation in various aspects. The department is equipped with excellent infrastructure and with 7 laboratories with state-of-the-art facilities. The laboratories possess latest equipment, instruments and software packages.

Providing the content and the context, the department opens a wide window for the students to take hold of the opportunities in the Industry Based Training. The department boasts of its intellect with 3 doctorate faculty members and faculty with six different specializations. These research initiatives have been supported by major national laboratories, industry leaders and agencies.

**Funded Projects Applied**

<table>
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<tr>
<th>S.No</th>
<th>Project Title</th>
<th>Funded Agency</th>
<th>Duration</th>
<th>Estimated Expenditure</th>
<th>Investigator and Co-Investigator Details</th>
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<tr>
<td>1</td>
<td>Investigation on Robustness Characteristics of Fibrous Self curing Concrete</td>
<td>DST</td>
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<td>4,95,000/-</td>
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<td>2</td>
<td>Evaluation of High Performance Grouting for Post-Tensioning System</td>
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**Ongoing Funded Projects**

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<tr>
<td>1</td>
<td>Development and Investigation of Self Curing Concrete using Natural Fibres</td>
<td>DST</td>
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### Completed Funded Projects

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<th>Investigator and Co-Investigator Details</th>
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<tr>
<td>1</td>
<td>Investigation of Corrosion Damage and Repair System to Extend the Service Life of Critical Infrastructures</td>
<td>DST</td>
<td>1 YEAR</td>
<td>Rs. 1 Lakh</td>
<td>Dr.D.Maruthachalam</td>
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### Publication Details

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<td>11</td>
<td>Influence of Fly ash and Metakaolin on the behaviour of Sustainable High Performance Concrete Reinforced Beam-columns</td>
<td>Maruthachalam, D., and Vishnuram B. G.</td>
<td>International Conference on Sustainability Challenges and Advances in Concrete Technology (SCACT'12)</td>
<td>pp. 418-422</td>
<td>2012</td>
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<td>No.</td>
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<td>35</td>
<td>Experimental Investigation on Bagasse Ash As an Eco-Friendly Building Material.</td>
<td>Maruthachalam, D., Rajeswari, S., and Iruthayaraj, S</td>
<td>Journal of Industrial Pollution Control</td>
<td>vol. 29 No. 1, pp. 159-164</td>
<td>2014</td>
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<td>41</td>
<td>Strength studies of Dadri fly ash modified with lime sludge-A composite material</td>
<td>Sahu, V. and Gayathri, V.</td>
<td>International Journal of Civil and Structural Engineering</td>
<td>vol. 4, no. 3, pp. 161-169</td>
<td>2014</td>
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<td>44</td>
<td>Parametric study on service life of concrete structures for different cover thickness</td>
<td>Raja, M., Bhaskar, S., and Ravichandran, P.</td>
<td>National conference on Latest advancements in</td>
<td>vol. 1, pp. 111-114</td>
<td>2014</td>
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<td>No.</td>
<td>Title</td>
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<td>45</td>
<td>Service life prediction model for reinforced concretes structures subjected to chloride induced corrosion</td>
<td>Raja, M., Bhaskar, S., and Ravichandran, P.</td>
<td>National Level conference on Innovations in Mechanical, Mechatronics and Building Sciences</td>
<td>vol. 1, pp. 31-36</td>
<td>2014</td>
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<td>46</td>
<td>Study on inventory management system in construction industry.</td>
<td>Sindhu, S., and Nirmalkumar, K., and Krishnamoorthy, V.</td>
<td>National Level conference on Frontier Applications in Civil and Environmental Engineering</td>
<td>vol. 1 pp. 3.119-123</td>
<td>2014</td>
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<td>50</td>
<td>Geochemical characterization of expansive soil stabilized with fly ash.</td>
<td>Vinodhkumar, S., and Meenambal, T.</td>
<td>Third National conference on recent advancements in geotechnical engineering NCRAG-14</td>
<td>vol. 1 pp. 147-15</td>
<td>2014</td>
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<td>51</td>
<td>Experimental Asymptotic Analysis of Fibrous self-curing Concrete exposed to Acid and Salt attack.</td>
<td>Joel, J. S., Maruthachalam, D., and Jeyendran, A. S.</td>
<td>International Journal of Industrial Pollution Control</td>
<td>vol. 31, No.1, pp. 61-67</td>
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<td>56</td>
<td>Study on aerobic In-Vessel Composting of Food Waste.</td>
<td>Mafaz Ahamed.R and Dr. Saraswathi R</td>
<td>Research Journal of Environmental sciences E-ISSN 2319-1414</td>
<td>Volume 5 (7) page number 1-9</td>
<td>2016</td>
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<td>Simulation of Runoff for Amaravathi Sub-watershed using SWAT model</td>
<td>S.Sowmiya and Dr.Carolin Arul</td>
<td>International Research Journal of Environmental sciences E-ISSN 2319-1414</td>
<td>Volume 5 (7) page number 1-9</td>
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Consultancy Projects

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