

Project proposal

<i>Project title</i>	<input type="text" value="Value-added Use of Fine Recycled Aggregates"/>
<i>First Supervisor</i>	Professor <input type="text" value="M Limbachiya"/>
<i>Second Supervisor</i>	<input type="text" value="Dr H Kew"/>
<i>School</i>	<input type="text" value="Civil Engineering and Construction"/>
<i>Other member of supervisory team (no more than three KU supervisors in total)</i>	<input type="text" value="Dr T Donchev"/>
<i>Specific requirements beyond 2:1 degree</i>	<input type="text"/>

Project summary (max 4,000 characters)

There is a growing interest in using recycled, secondary use and industrial by product materials in high value commercial applications. Potential high volume applications include use of fine aggregate in flowable fill or as a component in manufactured aggregates. However, there is much scientific, as well as applied research needed in this area due to lack to availability of data on the mechanical and environmental properties of elements/ products produced using fine recycled aggregates. The principle objectives of this research are to synthesize existing data on the beneficial reuse of fine recycled materials and to develop extensive testing programme for assessing and establishing engineering and long- term durability properties of concrete and other construction products produced using such material for use in practical application widely.