

**Teesside University Vishwaniketan Summer School student group projects 2020**

BIM applications for the construction industry/  
management for airports, metros, townships

BIM | urban planning | KTP | transportation |  
infrastructure engineering

Improving Energy Efficiency in the built environment  
Environmental | sustainability | energy efficiency in  
buildings

Aerodynamics of FSAE

Waste Segregation

Machine learning| AI | image processing |

Traffic counter with Python

Modelling and Control of Inverted Pendulum

Modular Housing

Marketing & Manufacturing | sustainability

Plastic Pollution & the Fashion Industry

An exploration of recycled plastics

Environmental Monitoring System

Internet of Things | Solar Powered | Electronics

Spiked Drink Detection

PID Design for temperature control

State of Charge estimation for Li-ion Battery

Expanded Metal Foam

Strength improvements through sintering

Leg Lifter for NHS UK