

Department of Civil Engineering

Products Developed:

- 9 products were developed to compete the problems raised in the Industrial sectors
 - **Mobile Bio-toilet**
Bio toilet is a decomposition mechanized toilet system which decomposes human excretory waste in the digester tank using specific high graded bacteria further converting it into methane gas and water. Also, the complete toilet cabin can be movable along with the digester tank.



Mobile Bio-toilet

Security Cabin (Waste to Wealth)

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The waste materials collected from the Campus were made as Security cabins for both men and women hostel.

- **Blocks**

Various types of Paver blocks, Dust blocks and Concrete blocks were made as building materials for multiple usages in the construction field.



Foam Block



Paver Blocks



Solid Block

- **Aquaponics**

Aquaponics system was developed for the treatment of wastewater through the aquatic organisms and plants.



Aquaponics

- **Hydroponics**

To give awareness on recent agriculture method, Hydroponics was developed for the cultivation of mint leaves.



Hydroponics

- **Transparent concrete**

Transparent concrete or light transmitting concrete was made by replacing aggregates with transparent alternate materials and optical fibres to achieve better aesthetic appearance in the interior of the building.



Transparent Concrete



Composite Chair

- **Composite Chair**

The waste materials are collected from the campus were made as Composite Chair.