**GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE – 641 013**

**DEPARTMENT OF CIVIL ENGINEERING**

**Product development details (2018-2022)**

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| **Sl. No.** | **Faculty** | **Name of the product/ material** | **Year** | **Details of the product** |
| 1. | Dr.R.Thenmozhi  S. Janani | Cold – Formed Steel Sigma Purlins | 2020 | Cold Formed Steel sigma shaped purlins were tested for bending efficiency and best sigma profile in association with industry experts were arrived.  D:\Project\Master of Engineering\Phase II\photos\mani photos\DSCN4162.JPGD:\Project\Master of Engineering\Phase II\photos\mani photos\DSCN4180.JPG |
| 2. | Dr.R.Thenmozhi  N.Divyah | Stee – concrete composite columns made of sintered fly ash aggregate concrete | 2021 | Response of composite columns made of LWAC in uniaxial compression under static and cyclic loading conditions.  Screen Clipping |
| 3. | Dr.J.Jeyanthi  R. Jayalakshmi | Polymer Nanocomposite | 2020 | Carbon nanotube (CNT) prepared from Chemical vapour deposition system and dispersed in chitosan matrix to form CNT – chitosan nanocomposite and it was utilized was for the sequestration of binary mixture of textile dye effluent. |
| 4. | Dr.J.Jeyanthi  B.Shoba | Membrane- Nano composite membrane | 2021 | Fabrication of polymericmembraneusing membrane casting unit for the treatment of industrial wastewater through ultrafiltration. |
| 5. | Dr.J.Jeyanthi  M.Priya | Modified Cenosphereand Ceno-TiO2/Al electrode | 2021 | Chitosan coated cenosphereand Ceno-TiO2/Al electrode was prepared for the treatment of industrial wastewater through electrocoagulation  E:\Camera 1-7-19\IMG_20190604_120700.jpg |
| 6. | Dr.S.Chithra  S.Praburanganathan | Fly ash bricks  with partial replacement of waste materials | 2021 | The **structural responses** of brick masonry elements constructed with fly ash bricks manufactured by incorporating various waste materials were evaluated   |  |  | | --- | --- | |  |  | |  | |
| 7. | Dr.R. Chithra  P. Mahakavi | Hybrid fiber reinforced  Self-compacting concrete using recycled waste materials | 2021 | Fresh, mechanical and durability properties of FS-RASCC with foundry sand and MS-RASCC with M-sand are evaluated. Also properties of optimized mix from FS-RASCC and MS - RASCC with hybrid steel fibers such as Hooked End and Crimped fibers are arrived. |
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