HINDUSTAN INSTITUTE OF TECHNOLOGY & SCIENCE DEPARTMENT OF CIVIL ENGINEERING

PATENTS DETAILS

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| **S.**  **No.** | **Year / Month** | **Name of the Faculty** | **Title** | **Application No. & Date** | **Status** |
| 1 | 2020  Nov | V.Elango, M. Vetrivel Sezhian, R. Ramdoss, G. Chakravarthi, R. Sarweswaran, Prabhu V., P.S. Arshi Banu, Mr. Sathish S., A. Arun Raja | Sewage Treatment System using Pyrolysis process | 202041050416 | Filed |
| 2 | 2020  July | Dr. V. Preethi | Bench-Scale Trapezoidal Sono-photocatalytic reactor for Hydrogen production using CdZnS coated iron oxide | 201941027805 | Filed |
| 3 | 2019  Dec | Mr. P. Ravikumar | Polyester Resin Mortar Flooring Tile Using various Fine Aggregates and Microfillers | 3422/CHE/2014 | Granted |
| 4 | 2019  Dec | Mr. P. Ravikumar | Polyester Resin Matrix Flooring Tiles Using Various Microfillers | 3420/CHE/2014 | Granted |
| 5 | 2019  Sep | Dr.P.S.Joanna,  K. Saravanan | Moment Resisting Connection for a Long Cantilever Building with Concrete core Wall | 201841032695 | Published |
| 6 | 2019  Sep | Dr.P.S.Joanna, Dr. Parvati T.S. | Double Skinned Beam-Columns with outer cold-formed steel and inner GFRP tubes for Seismic regions | 201841032696 | Published  06.03.2020 |
| 7 | 2018  Oct | Dr. P. S. Joanna & Dr. T.S. Parvati | Double skinned Beam-columns with outer cold- formed steel and inner GFRP tubes for Seismic regions. | 201841032696 | Filed |
| 8 | 2018  Oct | Dr. P. S. Joanna | Moment Resisting connection for a Long Cantilever building with concree core wall | 201841032695 | Filed |
| 9 | 2018  May | Ms. Shalini R. Nair Dr. Jessy Rooby | Aerodynamic Database | 201841015732A | Abstract published on 11.05.2018 |
| 10 | 2018  Jan | Dr. P.S. Joanna & Dr. T.S.Parvati | Earthquake resistant cold formed concrete filled double skin tubular beam columns strengthened with GFRP wrapping. | 201641023078 | Published - 12/01/2018 |
| 11 | 2018  Jan | Dr. P.S. Joanna | Earthquake Resistant Cold-formed Steel Beams with fly Ash Concrete Encased Trapezoidal Corrugated Web | 201641023067 | Published - 12/01/2018 |
| 12 | 2016  Aug | Dr. P. S. Joanna & Mr. J. Samuel | Cold-formed Steel Beam with Encased Braced Web for Earthquake Resistant Constructions | 5745/CHE/2014 | Published - 26  /08/2016 |
| 13 | 2017  Oct | Mr. P. Ravikumar | Development of Geo Polymer based pavement interlocking block | 201741011687 | Filed |
| 14 | 2017  Oct | Dr. V. Preethi | CO2 sequestration in vehicular emission - a solution to global warming. | 201741011685 | Filed |
| 15 | 2016 | Dr. Jessy Rooby | Rub Fibre Reinforced Concrete | 2251/CHE/2016 | Published |
| 16 | 2016  Feb | Mr. P. Ravikumar | Steel Fiber Reinforced Polyester Resin Concrete | 3252/CHE/2014 | Published - 12/02/2016 |
| 17 | 2016  Feb | Mr. P. Ravikumar | Epoxy Resin Matrix and Mortar Formulation using various Micro Fillers and Fine Aggregates | 3421/CHE/2014 | Hearing- Completed Published  26/02/2016 |
| 18 | 2016  Feb | Mr. P. Ravikumar | Polyester Resin Mortar Formulation using various Fine aggregates and Micro fillers | 3425/CHE/2014 | Published - 26/02/2016 |
| 19 | 2015  March | Dr. V. Preethi | Novel Vermiculate material packed Gas-Phase photocatalytic reactor | 870/CHE/2015 | Published- 06/03/2015 |