

# DEPARTMENT OF CIVIL ENGINEERING

## Particulars of the Intellectual Property Rights

*(Copyrights/ Designs/ Patents)*

(Updated as on March 11, 2022)

Name	Reg./Ref. No.	Date of Award/Filing	Organization	Status
<b>Prof. A.K. Agnihotri</b>				
Variable Head Gravity- Flow-Based Leachate Collector Apparatus (LCA) for Unstabilized Matrials	C.B.R. No. 200201; Application No. 338656-001	05-02-2021 (Filing) / 05-10-2021 (Award)	Intellectual Property India, Patent Office, Govt. of India	Registered/ Granted
<b>Dr. Hemant Chore</b>				
Tyre Grid Reinforced Embankment of Pozzolanic Materials	Docket No. 33239; Application No. 20182102811 2 A	26-07-2018 (Filing)	Intellectual Property India, Patent Office, Govt. of India	In Amended Examination
Reclaimed Rubber Cell Mattress in Road Construction	C.B.R. No. 7203; Application No. 316897-001	15-04-2019 (Filing)/ March 2022 (Accepted)	Intellectual Property India, Patent Office, Govt. of India	Application Accepted; Certificate of Design Not Generated
Cone Pipe VL Meter for Rheology Study of Fresh Self Consolidating Concrete	CBR No. 14589; Application No. 320349-001	01-08-2019 (Filing)	Intellectual Property India, Patent Office, Govt. of India	Case is in Amended Case of Controller
Computer Software Work (Copyright) titled "Soil-Structure Interaction Analysis of Single Storeyed Building Frame supported on Pile Foundation"	Diary No. 18948/2020-CO/SW	21-11-2020 (Filing)/ 11-01-2021 (Award)	Registrar of Copyrights, Govt. of India, New Delhi-110078	Registered (Registration No. SW-14099/2021)

Computer Software Work (Copyright) titled "Numerical Analysis of Contaminant Transport through Saturated Porous Media"	Diary No. 4503/2021-CO/SW	20-02-2021 (Filing)/ 22-04-2021(Award)	Registrar of Copyrights, Govt. of India, New Delhi-110078	Registered (Registration No. SW-14427/2021)
Rubbergrid for Reinforcement in Highway Construction"	CBR No. 201190; Application No. 340063-001	02-03-2021 (Filing)/ 30-04-2021 (Award)	Intellectual Property India, Patent Office, Govt. of India, Kolkata	Registered/Granted
Computer Software Work (Copyright) titled "Non-linear Analysis of G+2 Storeyed Frame Structure supported on Piled Raft"	Diary No. 7687/2021-CO/SW	25-03-2021 (Filing)/ 17-06-2021 (Award)	Registrar of Copyrights, Govt. of India, New Delhi-110078	Registered (Registration No. SW-14645/2021)
Computer Software Work (Copyright) titled "Analysis of Three Storeyed Building Frame supported on Pile and raft Foundation incorporating Non-linear Behaviour of Soil"	Diary No. 7693/2021-CO/SW	25-03-2021 (Filing)/ 15-06-2021 (Award)	Registrar of Copyrights, Govt. of India, New Delhi-110078	Registered (Registration No. SW-14637/2021)
Bearing Capacity Model Instrument with Sliding Loading Frame	CBR No. 98; Application No. 201821000237	03-01-2018 (Filing)	Intellectual Property India, Patent Office, Govt. of India	In Amended Examination
Apparatus for Testing and Studying the Transport of Contaminant through Soil	Application No. 351400-001	18-10-2021 (Filing)/ 07-12-2021 (Award)	Intellectual Property India, Patent Office, Govt. of India, Kolkata	Registered/Granted
Apparatus for Testing and Measuring the Strength of Embankment Material	Application No. 353836-001	27-11-2021 (Filing)/19-01-2022 (Award)	Intellectual Property India, Patent Office, Govt. of India	Registered/Granted
Reinforcement Rubber Block for Road Construction	Application No. 353416-001	19-11-2021 (Filing)	Intellectual Property India, Patent Office, Govt. of India, Kolkata	FER Generated; Reply Filed.

**Dr. Kanish Kapoor and Prof. S.P. Singh**

A device for measuring the infiltration rate of water through pervious concrete	201811008145 A	16-03-2018 (Filing) / 24-03-2021 (Granted)		Granted
Laboratory test apparatus to measure heat transfer through hardened concrete	201911015457	17-04-2019 (Filing)		Published /23-10-2020
Pervious concrete pavement sanitizing system	202011037800	02-09-2020 (Filing) / 07-01-2022 (Granted)		Granted
A mix of geopolymer concrete and method for appropriate mix proportion of constituent and desired compressive strength	202111013559	26-03-2021 (Filing)	Intellectual Property India, Patent Office, Govt. of India	Published (21-01-2022)
Temperature controlled casting system and method	202111013558	26-03- 2021 (Filing)		Filed
A system and method of four-point sealing for permeability setup of pervious concrete	202111013557	26-03-2021 (Filing)		Filed
Single machine for complete manufacturing of pressed pervious concrete tiles and mechanism of working thereof	202111004445	02-02-2021 (Filing)		Published 26-03-2021

**Dr. Rupali S. and Dr. K. Senthil**

Computer Software Works (Copyright) Estimation of Contaminant Transport through Fractured Porous Media using Element Free Garlekin Method	SW- 14252/2021	08-03-2021	Registrar of Copyrights, Govt. of India, New Delhi- 110078	Awarded
Variable Head Free Falling Impact Testing Machine	337579-001	15-01-2021 (Filing) / 06-07-2021 (Award)	Intellectual Property India, Patent Office, Govt. of India	Registered/ Granted
Large scale soil sample	345760-001	5-7-2021		Registered/

extractor		(Filing)/ 19-08-2021 (Award)		Granted
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Device to simulate and measure the earthquake response of small scale buildings	345811-001	6-7-2021 (Filed)/ 30-08-2021 (Award)		Registered/ Granted
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**Dr. Rupali S. ; Dr. K. Senthil and Prof. A.K. Agnihotri**

Variable head free falling impact testing machine	337579-001	15-01-2021 (Filed)/ 06-07-2021 (Award)	Intellectual Property India, Patent Office, Govt. of India	Registered/ Granted
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**Dr Senthil Kasilingam and Prof. A.P. Singh**

Swinging Impact Testing Frame for the Measurement of Response of Structural Elements	337580-001	15-01-2021 (Filed)/ 02-08-2021 (Award)	Intellectual Property India, Patent Office, Govt. of India	Registered/ Granted
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**Dr. Senthil Kasilingam and Prof. S.P. Singh**

Impact Testing Frame	337578-001	15-01-2021 (Filed)/ 09-07-2021 (Award)	Intellectual Property India, Patent Office, Govt. of India	Registered
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**Dr. Senthil Kasilingam**

Apparatus to Measure the Shear Strength of Concrete	349971-001	22-09-2021 (Filing)/ 12-11-2021 (Award)	NIT Jalandhar	Registered/ Granted
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