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Intellectual Property India



Controller General of Patents, Designs and Trademarks  
Department of Industrial Policy and Promotion  
Ministry of Commerce and Industry

## Application Details

APPLICATION NUMBER	202041026847
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/06/2020
APPLICANT NAME	1 . Dr.A.N.Swaminathen 2 . Mr. Gourav Purohit 3 . Dr.D.S.Vijayan 4 . Mr.Sachin Sharma 5 . Dr.V.S.Sethuraman 6 . Dr.L.K.Rex 7 . Dr.R.Vidya 8 . Mr.P.Dinesh Kumar 9 . Mr.S.Ramesh 10 . Mr.Akash Johari 11 . Dr.P.Rajaram 12 . Dr.S.Sudhakar
TITLE OF INVENTION	DURABILITY RESPONSE OF HIGH-PERFORMANCE CONCRETE WITH METAKAOLIN AND RICE HUSK ASH
FIELD OF INVENTION	CHEMICAL
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(57) Abstract :

Concrete is a widely used construction material in developing and developed countries in a structure. After several research results across different countries, the growth of concrete is eyed forward towards the growth of its performance. This high-performance concrete holds the different enhanced properties in it, such as durability by proving resistive to chemically varying atmosphere, reduction of CO2 by reducing the amount of cement, increased Ecology balance by balancing natural resources consumption. The vision of this invention extends towards the effect of mineral admixtures on the durability properties of high-performance concrete. To attend effective results such as low porosity, low water absorption, sorptivity, and proportioning of materials has always been the key parameters. M60 grade of concrete used in this experimental work. Curing is done to 3, 7, 14, 28, 56, and 90 days with 3 sample blocks for each curing period. This different mixture of concrete preferred upon further tests where the durability is determined cautiously. The durability properties of partially replaced cement are studied based on compressive strength, water absorption, porosity, and sorptivity. From the studies conducted, it observed that metakaolin and rice husk ash play a vital role in improving the durability of concrete at a later stage and improving the compressive strength at an early age.

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## Application Details

APPLICATION NUMBER	202041007612
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APPLICANT NAME	1 . Dr.S.Sudhakar 2 . Dr. Pankaj Dadheech 3 . Dr.V. Priya 4 . Dr.A.Sagai Francis Britto 5 . Mr.S.Ramesh 6 . Mrs.M.Divyapushapalakshmi 7 . Mr.V.Ramachandran 8 . Mr.Ankit Kumar 9 . Mr.R.Parthiban 10 . Dr.Hemant Dhabhai
TITLE OF INVENTION	IOT BASED REAL-TIME FUEL EFFICIENCY AND MONITORING SYSTEM FOR A SMART VEHICLE USING MOBILE DEVICE
FIELD OF INVENTION	COMPUTER SCIENCE
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## Application Details

APPLICATION NUMBER	202041012885
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DATE OF FILING	24/03/2020
APPLICANT NAME	1 . Dr.V.Priya 2 . Dr.S.Sudhakar 3 . Dr.S.Sharavanan 4 . Dr.A.Vishnu Priya 5 . Mrs.C.Karpagavalli 6 . Dr.M.B.Suresh 7 . Ms. K.Vidhya 8 . Dr. Pankaj Dadheech 9 . Mr. Gourav Purohit 10 . Mr.Sachin Sharma 11 . Ms.K.Kiruthiga 12 . Ms.S.Abinaya 13 . Ms.S.Athithi
TITLE OF INVENTION	IOT BASED WATER QUALITY MONITORING FOR TEXTILE INDUSTRY
FIELD OF INVENTION	COMPUTER SCIENCE
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## Application Details

APPLICATION NUMBER	202041011771
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DATE OF FILING	18/03/2020
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TITLE OF INVENTION	SMART TRAFFIC SYSTEM FOR EMERGENCY VEHICLES USING IOT
FIELD OF INVENTION	COMMUNICATION
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## Application Details

APPLICATION NUMBER	202041026105
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	21/06/2020
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TITLE OF INVENTION	A LOW-COST 4G SMART PHONE DETECTOR AND JAMMER SYSTEM GSM - 900 MHZ AND 1800 MHZ FOR USING MATLAB SIMULINK
FIELD OF INVENTION	COMMUNICATION
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## Application Details

APPLICATION NUMBER	202041005771
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TITLE OF INVENTION	AUTOMATED NON INVASIVE BLOOD GROUP DETERMINATION AND CHOLESTEROL LEVEL USING IOT
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
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## Application Details

APPLICATION NUMBER	202041010986
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/03/2020
APPLICANT NAME	1 . Dr.K.Suresh Kumar 2 . Dr.A.Vijayaraj 3 . Dr.S.Sudhakar 4 . Mrs.N.Suganthi 5 . Dr.P.T.Vasanth Raj 6 . Mr.V.Prasathkumar 7 . Dr. Pankaj Dadheech 8 . Mr.Ankit Kumar 9 . Dr.Hemant Dhabhai 10 . Ms.S.K.Aruna
TITLE OF INVENTION	IMAGE CAPTCHA CROPPING USING SYMBOLS (ICS)
FIELD OF INVENTION	COMMUNICATION
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