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Department of Industrial Policy and Promotion
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Application Details

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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
E-MAIL (As Per Record)	answaminathen@gmail.com
ADDITIONAL-EMAIL (As Per Record)	answaminathen@gmail.com
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(71)Name of Applicant :

1)Dr.A.N.Swaminathen

Address of Applicant :Professor & HEAD Department of Civil Engineering, Sree Sakthi Engineering College, Coimbatore-641104, Tamil Nadu, India Tamil Nadu India

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

(72)Name of Inventor :

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

(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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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
E-MAIL (As Per Record)	sudhasengan@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sudhasengan@gmail.com
E-MAIL (UPDATED Online)	sudhasengan@gmail.com
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APPLICATION NUMBER	202041011771
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APPLICANT NAME	1 . Dr.V. Priya 2 . Dr.S.Sudhakar 3 . Dr.Jayanti Goyal 4 . Dr. Pankaj Dadheech 5 . Dr.Jitendra Singh Chouhan 6 . Mr.Wilson Prakash 7 . Mrs.A.Uma Maheswari 8 . Mr.S.Ramesh 9 . Mr. Sudhir Kumar 10 . Mr. NitinPurohit 11 . Mr.S.Sudhagar
TITLE OF INVENTION	SMART TRAFFIC SYSTEM FOR EMERGENCY VEHICLES USING IOT
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	priya.saravanaraja@gmail.com
ADDITIONAL-EMAIL (As Per Record)	priya.saravanaraja@gmail.com
E-MAIL (UPDATED Online)	
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APPLICATION NUMBER	202041020699
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APPLICANT NAME	1 . Mr. Sri Hari Nallamala 2 . Dr. Pankaj Dadheech 3 . Mr. Aabhas Mathur 4 . Dr. K.V. D.Kiran 5 . Mrs. Sushma Chowdary Polavarapu 6 . Dr.S.Geetha 7 . Dr. J. Martin Leo Manickam 8 . Dr. S. Jayasundar 9 . Mrs. Kranthi Madala 10 . Dr.J.Madhusudanan 11 . Mr. Veenanand Kakarla
TITLE OF INVENTION	IOT AND BLOCKCHAIN-ENABLED SMART E-VEHICLE CHARGING SYSTEM
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	nallamala.srihari@gmail.com
ADDITIONAL-EMAIL (As Per Record)	nallamala.srihari@gmail.com
E-MAIL (UPDATED Online)	
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