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3.2.1	Institution Has Created An Ecosystem For Innovations Including Incubation Centre And Other Initiatives For Creation And Transfer Of Knowledge 2022 - 2023
1	PATENT FILED
2	RESEARCH WORKSHOP AND SEMINARS
3	RESEARCH PAPER PUBLICATIONS

PATENT FILED				
S.NO	FACULTY	DESIGNATION	DEPARTMENT	PATENT FILED
1	Dr.K.Sridharan	PRINCIPAL	COMPUTER SCIENCE ENGINEERING	IOT BASED MOBILE APP TO CONTROL APPLIANCES REMOTELY ENSURING SAFETY AND COST REDUCTION
2	Dr.C.Saravanan	HOD/ EEE	ELECTRICAL AND ELECTRONICS ENGINEERING	IOT BASED MOBILE APP TO CONTROL APPLIANCES REMOTELY ENSURING SAFETY AND COST REDUCTION
3	Dr.S.B. Manooj kumar	AP/CSE	COMPUTER SCIENCE ENGINEERING	AN ARTIFICIAL INTELLIGENCE AND IOT BASED SYSTEM FOR REGENERATIVE MEDICINE FOR THE TREATMENT OF LIFE – THREATENING DISEASES AND WORKING METHOD THEREOF.


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RESEARCH WORKSHOPS AND SEMINARS	
1	SEMINAR ON HOW TO WRITE A RESEARCH PAPER
2	WORKSHOP ON RESEARCH METHODOLOGY AND TRENDS IN INTERFACING VARIOUS SENSORS WITH ARDUINO UNO
3	ADVANCED TECHNOLOGY IN AUTOMATIVE AND PRODUCTION INDUSTRIES
4	RISK TAKING AND RISK MANAGEMENT IN ENTREPRENEURSHIP


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FORM 2
THE PATENT ACT 1970 &
The Patents Rules, 2003
COMPLETE SPECIFICATION
(See section 10 and rule 13)

TITLE OF THE INVENTION:

**IOT BASED MOBILE APP TO CONTROL HOME APPLIANCES REMOTELY ENSURING SAFETY AND COST
REDUCTION**

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PREAMBLE TO THE DESCRIPTION

PROVISIONAL	COMPLETE
The following specification describes the	the following specification Invention. Particularly describes the invention and the manner in which it is to be performed.

FIELD OF THE INVENTION

The field of this invention relates to IoT based application, software and more particularly in the development of IoT Based Mobile App to Control Home Appliances Remotely Ensuring Safety and Cost Reduction which tracks the status of home appliances and could be able to change its state to either on or off at any place and any time.

BACKGROUND OF THE INVENTION

In today's faster world, both men and women will be working with the scope of establishing their financial comfort zone. The working people run faster weekly from Monday to Friday to their work and because of this they could not be able to spend some time in home. In this busy schedule, they may also forget to bring their necessary things in some cases. As per the Census, the Indian workforce is over 400 million strong, which constitutes 39.1% of the total population of the country. The workers comprise 312 million main workers and 88 million marginal workers. Sex differential among the number of male and female worker in the total workforce is significant. Of the total 402 million workers, 275 million are males and 127 million females. This would mean that 51.7 percent of the total males and 25.6 percent of the total females


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are workers. From the above statistics, it is clear that most of the people are working individuals in India and both male and female included in this. The home appliance remains in "ON" state even after the working individuals left their home because they may fail to notice it. This "ON" state of home appliances may leads to critical situation. For example, "ON" state of Gas stove and cylinder burst out the home if fire strikes.

An automated system or device may help a lot to resolve this issue in a cost effective manner and also reduce the human intervention to keep track the home appliances continuously. The system also needs to alert the respective individuals by itself automatically.

PRIOR ART STATEMENT

1. The patent **US9733656B2** filed on 16th April 2014 is about the invention of method, system and process in which it comprises of one or more controlled appliances and an energy profile representing energy consumption, with one or more associated parameters and limits, a first group of appliances determined based on the control class, parameters and collected values, a change requested in their power consumption, and the energy consumption of the household measured to calculate a difference between the consumption and energy profile.
2. The patent **US9159217B1** filed on 9th April 2015 is about the invention of a system and method which alarms the conditions of appliances and other household devices are detected by one or more sensors to trigger a notification signal which is already sent to the user. Notifications may be relayed to one or more selected users only when predetermined conditions are satisfied.
3. The patent **CN104834222B** filed on 30th April 2015 is about the invention of method and system which includes a control method and device of the household electrical appliance of the embodiment of the present invention promote user experience without can more natural to household electrical appliance progress, more easily control by cell phone application and network.
4. The patent **CN205642411U** filed on 14th March 2014 is about the invention of method and system in which it relates to a smog detecting element, cigarette fog detector and dangerous detector. The dangerous detector contains the procapsid, the procapsid is coupled in order to limit the shell with the backplate. Dangerous detector consists of passive infrared ray sensor device and the quilt fixed a position towards the room at dangerous detector place is so that detect object in the room.


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5. The patent **US20160078559A1** filed on 18th June 2015 is about the invention of method and system in which the Cash Flow Management system ("CFM") enables households to seamlessly and efficiently plan their budget, pay their bills, enforce their expense budget, save for custom planned goals and realize their financial plans all from one account.

From the patent literature survey, it is identified that no prior inventions about developing IoT Based Mobile App to Control Home Appliances Remotely Ensuring Safety and Cost Reduction which tracks the status of home appliances and could be able to change its state to either on or off at any place and any time.

OBJECTIVE OF THE INVENTION

1. To monitor the status of home appliances continuously from any remote location.
2. To maintain an IoT based Cloud server which controls the data management and information communication through wireless network.
3. To alert the individual user about the equipments "ON" status or unusual state automatically.
4. To control the home appliances to enable those to return back to safer zone remotely.

SUMMARY OF THE INVENTION

The problem mentioned in the background can be solved by introducing an IoT Based Mobile App to Control Home Appliances Remotely Ensuring Safety and Cost Reduction which tracks the status of home appliances and could be able to change its state to either on or off at any place and any time. The aim of the invention is to develop an IoT Based Mobile App to Control Home Appliances Remotely Ensuring Safety and Cost Reduction which tracks the status of home appliances and could be able to change its state to either on or off at any place and any time. An IoT Mobile Application keep tracks the status of each and every home appliance that are interconnected with the system whether it is "ON" or "OFF" state. The user is provided with an application in their mobile devices to check this status remotely at any place and any time. Initially the system is configured to link the home appliances based on user choice and similarly the selected home appliances should be interconnected with a proper IoT cloud server. The IoT sensors are installed on the home appliances which are required to be monitored by the user. The sensors mounted on the home appliances are

powered and continuously monitors the status of the household continuously whether it is in "ON" or "OFF" state. It notifies the user if any of the home appliances is left with "ON" state immediately. In this way, the automated IoT based Mobile application enables the user to keep track their home appliances and get notified about the critical situation and thus ensures the safety and reduces the cost in a greater way effectively.

BRIEF DESCRIPTION OF THE DRAWINGS

Other features of the invention are described briefly in **FIG. 1** and **FIG. 2**,

FIG. 1 represents the IoT enabled device connectivity to Home appliances along with sensors by means of IoT cloud server for data management.

FIG. 2 represents the overall description of IoT Based Mobile App to Control Home Appliances Remotely Ensuring Safety and Cost Reduction which tracks the status of home appliances and could be able to change its state to either on or off at any place and any time.

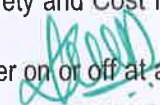
DETAILED DESCRIPTION OF THE INVENTION

FIG. 1 represents the IoT enabled device connectivity to Home appliances along with sensors by means of IoT cloud server for data management. **FIG. 2** represents the overall description of IoT Based Mobile App to Control Home Appliances Remotely Ensuring Safety and Cost Reduction which tracks the status of home appliances and could be able to change its state to either on or off at any place and any time. The IoT enabled system comprises of two sub-systems namely IoT enabled smart device with Mobile App and Home appliances connected along with wireless sensor. Initially, user selects the list of home appliances that he/she wish to monitor the status of device. Then these home appliances are mounted with the wireless sensor which monitors the status of connected equipment continuously. A unique IoT cloud sever connects all these wireless sensors which are tracking the status of home appliances is maintained with the scope of data management and to establish information communication among all the devices interconnected in this network. The home appliances that are taken for this connection establishment are Gas stove and cylinder, Refrigerator, Electricity Power Box and Water Pipeline connection.

Gas stove and cylinder is connected to IoT cloud server along with sensor to monitor the status i.e either "ON" or "OFF" and also the leakage of gas from either pipeline or stove. Refrigerator is connected to IoT cloud server along with sensor to monitor the status i.e either "ON" or "OFF" and cooling temperature level along with the water leaking from the equipment. Electricity Power Box is connected to IoT cloud server along with sensor to monitor the status i.e either "ON" or "OFF" and electricity power fluctuation and its leakage. Water Pipeline is connected to IoT cloud server along with sensor to monitor the status i.e either "OPEN" or "CLOSE" and leakage of water from the pipeline. The IoT enabled Mobile App continuously monitors the status of connected home appliances and if the IoT cloud system encounters any unusual response or receives status of home appliance as "ON", then the IoT cloud server sends an alert message or notification to the concerned user about the devices "ON" status and critical situation. Now the user controls the connected home appliances remotely either to "ON" or "OFF" and make them to return to safe state in case of any critical situations. By means of using this IoT enabled cloud based Mobile Application, user will be able to keep track the status of connected home appliances and controls the connected equipments remotely from anywhere and at any place which reduces the critical situation due to uncontrolled home appliances with the minimal effort and cost.

WE CLAIMS

1. IoT Based Mobile App to Control Home Appliances Remotely Ensuring Safety and Cost Reduction which tracks the status of home appliances and could be able to change its state to either on or off at any place and any time comprises of
 - a. Wireless sensor device, IoT enabled cloud system, Home appliances and Smart Mobile App.
 - b. IoT enabled cloud system which monitors the status and detects unusual activity in Home Appliances in order to change its state to either on or off at any place and any time.
2. IoT Based Mobile App to Control Home Appliances Remotely Ensuring Safety and Cost Reduction which tracks the status of home appliances and could be able to change its state to either on or off at any place and any time according to claim 1 wherein the user keeps track the status of connected home appliances remotely.
3. IoT Based Mobile App to Control Home Appliances Remotely Ensuring Safety and Cost Reduction which tracks the status of home appliances and could be able to change its state to either on or off at any place and any time according to claim 1 wherein the wireless sensor device is used to sense the connected home appliances status and unusual activity



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4. IoT Based Mobile App to Control Home Appliances Remotely Ensuring Safety and Cost Reduction which tracks the status of home appliances and could be able to change its state to either on or off at any place and any time according to claim 1 wherein the alert notification message is sent to the respective individual user about the critical situation of home appliance along with status either "ON" or "OFF" automatically.
5. IoT Based Mobile App to Control Home Appliances Remotely Ensuring Safety and Cost Reduction which tracks the status of home appliances and could be able to change its state to either on or off at any place and any time according to claim 1 wherein the user is enabled to control the connected home appliances to make the equipment to "ON" or "OFF" and also to resume the appliance to safer state in case of critical situation.

IOT BASED MOBILE APP TO CONTROL HOME APPLIANCES REMOTELY ENSURING SAFETY AND COST REDUCTION

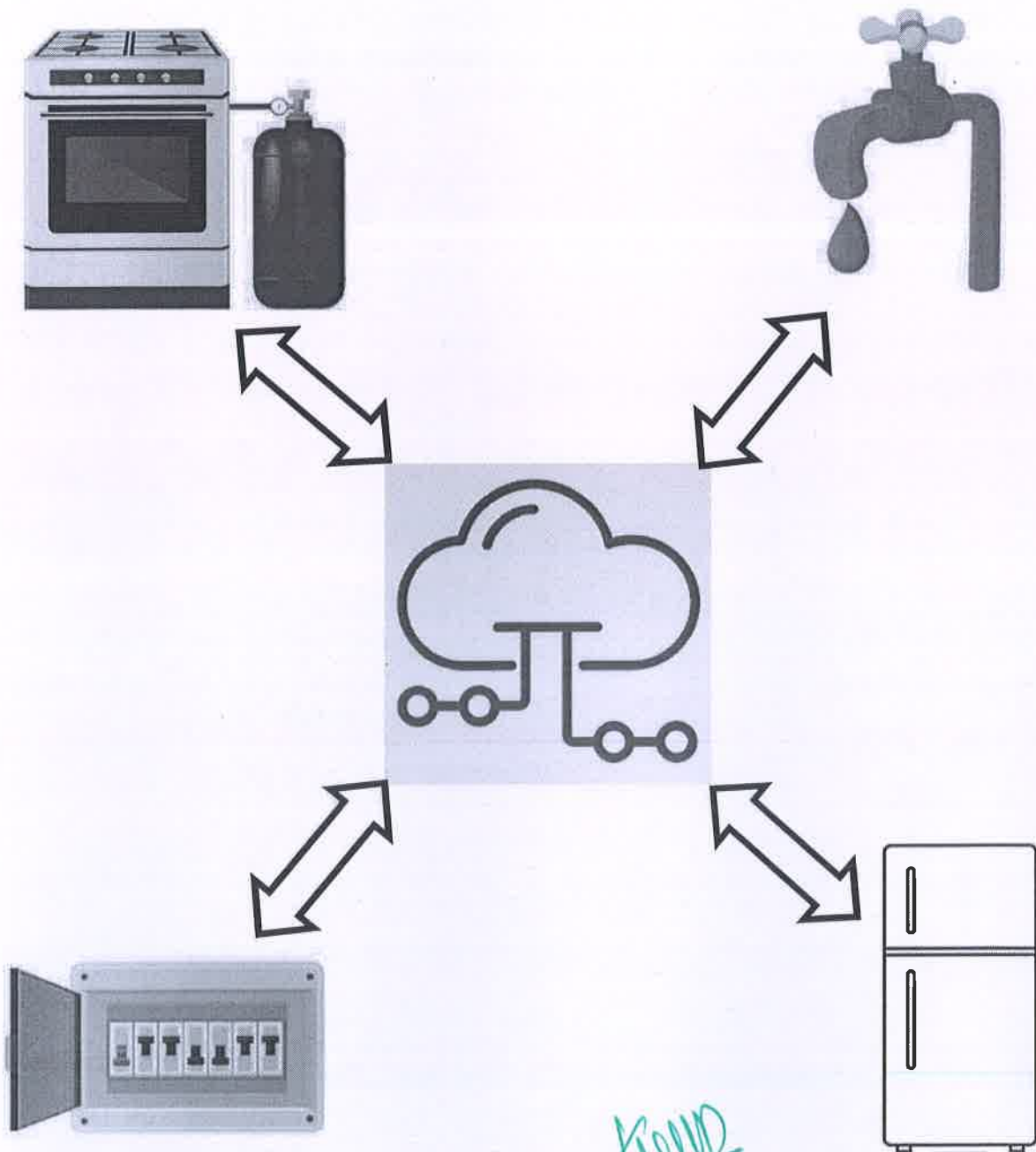
ABSTRACT OF THE INVENTION

An IoT enabled system deals with two sub-systems namely IoT enabled smart device with Mobile App and Home appliances connected along with wireless sensor. The user configures the home appliances that he/she wish to monitor the status of device by means of using the Smart Mobile App. The home appliances are mounted with wireless sensors in order to communicate the status of equipment remotely to the IoT Cloud server and then transfer this status information to the connected Mobile device. The Home Appliances used here are Gas stove and cylinder, Refrigerator, Electricity Power Box and Water Pipeline connection. All these devices are connected to IoT cloud server along with sensor to monitor the status i.e either "ON" or "OFF" and also any critical situation. The IoT enabled Mobile App continuously monitors the status of connected home appliances and if the IoT cloud system encounters any unusual response or receives status of home appliance as "ON", then the IoT cloud server sends an alert message or notification to the concerned user about the devices "ON" status and critical situation. Now the user controls the connected home appliances remotely either to "ON" or "OFF" and make them to return to safe state in case of any critical situations. In this way, the automated IoT based Cloud system enables the user to keep track the status of connected home appliances and provides us provision to control them remotely to resume back to safer state in case of critical situation with minimal human effort and cost.


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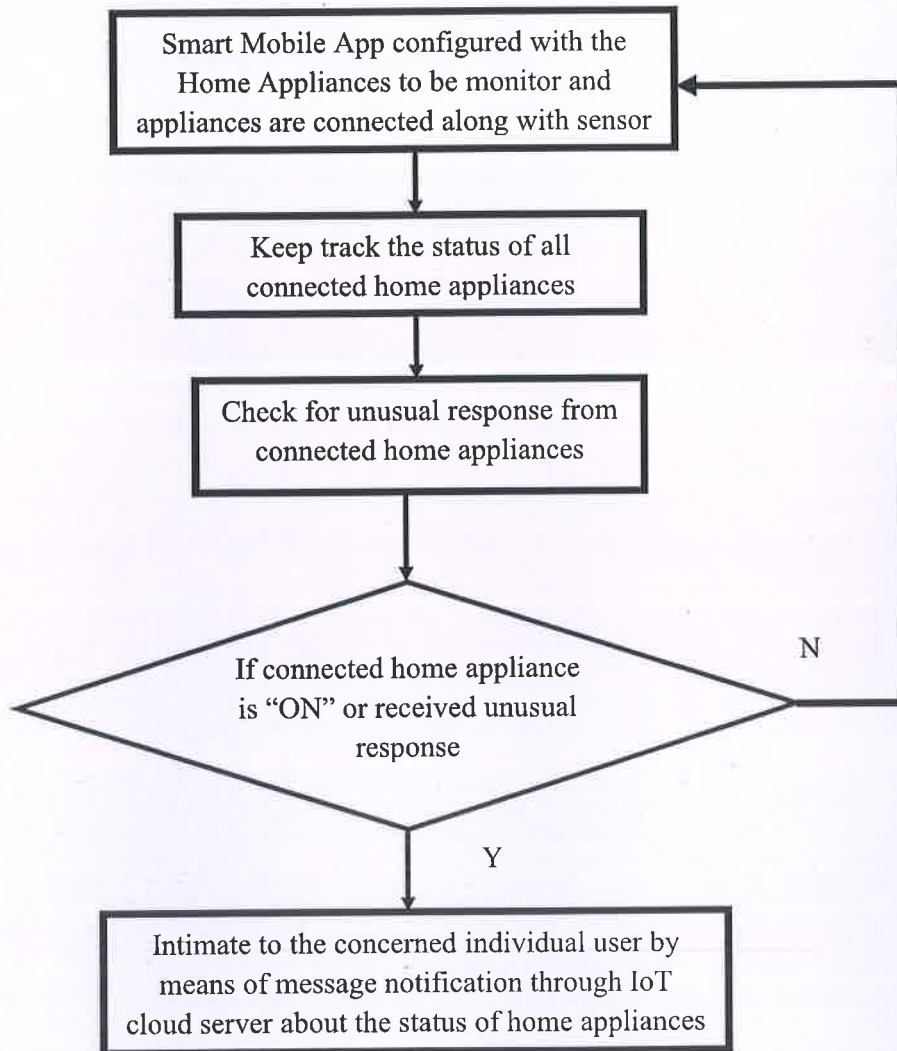
IOT BASED MOBILE APP TO CONTROL HOME APPLIANCES REMOTELY ENSURING SAFETY AND COST REDUCTION

FIG 1. IoT DEVICE CONNECTIVITY – HOME APPLIANCES ALONG WITH SENSORS CONNECTED WITH IoT CLOUD SERVER



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**FIG 2. PROCESS FLOW DIAGRAM – IOT BASED MOBILE APP TO CONTROL HOME APPLIANCES
ENSURING SAFETY AND COST REDUCTION**

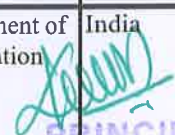


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FORM 1 THE PATENTS ACT, 1970 (39 of 1970) & THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT [See sections 7,54 & 135 and rule 20(1)]	(FOR OFFICE USE ONLY) Application No.: Filing Date: Amount of Fee Paid: CBR No.: Signature:
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3. TITLE OF THE INVENTION: IOT BASED MOBILE APP TO CONTROL HOME APPLIANCES REMOTELY ENSURING SAFETY AND COST REDUCTION

4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / AUTHORISED PATENT AGENT IN INDIA:

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5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Title of the Invention
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6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:


International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) Application Number	Date of Filing of Original (first) Application
-------------------------------------	--

8. PARTICULARS FOR FILING PATENT OF ADDITION:

Main Application / Patent Number:	Date of Filing of Main Application
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9. DECLARATIONS:**(i) Declaration by the inventor(s)**

I/We ,Dr. J. KUMARESAN,Dr. R. PALANISAMY,Mr. B. SARANRAJ,Mr. S. RAMACHANDRAN,Dr. K. SRIDHARAN,Dr. C. SARAVANAN,Mr. S. PARTHIBAN,Ms. D. SARANYA,Mr. G. MAHENDRAN,Mr. N. NAGARAJAN, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: **09.06.2021**

(b) Signature(s) of the inventor(s):

(c) Name(s): Dr. J. KUMARESAN,Dr. R. PALANISAMY,Mr. B. SARANRAJ,Mr. S. RAMACHANDRAN,Dr. K. SRIDHARAN,Dr. C. SARAVANAN,Mr. S. PARTHIBAN,Ms. D. SARANYA,Mr. G. MAHENDRAN,Mr. N. NAGARAJAN

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3.	Mr. B. SARANRAJ	Indian	
4.	Mr. S. RAMACHANDRAN	Indian	
5.	Dr. K. SRIDHARAN	Indian	
6.	Dr. C. SARAVANAN	Indian	
7.	Mr. S. PARTHIBAN	Indian	
8.	Ms. D. SARANYA	Indian	
9.	Mr. G. MAHENDRAN	Indian	
10.	Mr. N. NAGARAJAN	Indian	

(ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: **09.06.2021**

(b) Signature(s) :

(c) Name(s) of the singnatory: Dr. J. KUMARESAN,Dr. R. PALANISAMY,Mr. B. SARANRAJ,Mr. S. RAMACHANDRAN,Dr. K. SRIDHARAN,Dr. C. SARAVANAN,Mr. S. PARTHIBAN,Ms. D. SARANYA,Mr. G. MAHENDRAN,Mr. N. NAGARAJAN

S.No	Name	Nationality	Sign
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3.	Mr. B. SARANRAJ	Indian	
4.	Mr. S. RAMACHANDRAN	Indian	
5.	Dr. K. SRIDHARAN	Indian	
6.	Dr. C. SARAVANAN	Indian	
7.	Mr. S. PARTHIBAN	Indian	
8.	Ms. D. SARANYA	Indian	
9.	Mr. G. MAHENDRAN	Indian	
10.	Mr. N. NAGARAJAN	Indian	

(iii) Declaration by the applicant(s)

- The Complete specification relating to the invention is filed with this application.
- I am/We are, in the possession of the above-mentioned invention.
- There is no lawful ground of objection to the grant of the Patent to me/us.

10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName
-----	----------------------	----------

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hereing are correct and I/We request that a patent may be granted to me/us for the said invention.


Dated this(Final Payment Date): 09.06.2021

**NAGARAJAN
NANDHAN** Digitally signed by
NAGARAJAN NANDHAN
Date: 2021.06.09
12:58:38 +05'30'.

Name: NAGARAJAN NANDHAN

To The Controller of Patents
The Patent office at CHENNAI

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FORM 9

THE PATENT ACT, 1970
(39 of 1970)
&
THE PATENTS RULES, 2003

REQUEST FOR PUBLICATION

[See section 11A (2) rule 24A]

I/We **Dr. J. KUMARESAN, Dr. R. PALANISAMY, Mr. B. SARANRAJ, Mr. S. RAMACHANDRAN, Dr. K. SRIDHARAN, Dr. C. SARAVANAN, Mr. S. PARTHIBAN, Ms. D. SARANYA, Mr. G. MAHENDRAN, Mr. N. NAGARAJAN** hereby request for early publication of my/our [Patent Application No.] **TEMP/E-1/28774/2021** CHE

Dated **09/06/2021 00:00:00** under section 11A(2) of the Patents Act, 1970. Digitally signed by **NAGARAJAN NANDHAN**
Dated this (Final Date) **09/06/2021 12:59:39 +05'30** Signature
NANDHAN Name of the signatory

To,
The Controller of Patents,
The Patent Office,
At Chennai

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JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GGBI (Tk), ERODE (Dt).

Date:09.06.2021


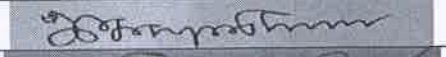








From
Dr. J. KUMARESAN
Associate Professor,
Department of Electrical and Electronics Engineering,
Nandha College of Technology,
Erode - 638 052, TN, India.
E-Mail: drjkumaresan@gmail.com

To
The Controller of Patents,
The Patent Office,

Sub: Submission of Patent Application with Complete Specification

Title: IOT BASED MOBILE APP TO CONTROL HOME APPLIANCES REMOTELY ENSURING SAFETY
AND COST REDUCTION

Applicants:
Dr. J. KUMARESAN
Associate Professor,
Department of Electrical and Electronics Engineering,
Nandha College of Technology,
Erode - 638 052, TN, India.
E-Mail: drjkumaresan@gmail.com

S.No	Name	Nationality	Sign
1.	Dr. J. KUMARESAN	Indian	
2.	Dr. R. PALANISAMY	Indian	
3.	Mr. B. SARANRAJ	Indian	
4.	Mr. S. RAMACHANDRAN	Indian	
5.	Dr. K. SRIDHARAN	Indian	
6.	Dr. C. SARAVANAN	Indian	
7.	Mr. S. PARTHIBAN	Indian	
8.	Ms. D. SARANYA	Indian	
9.	Mr. G. MAHENDRAN	Indian	
10.	Mr. N. NAGARAJAN	Indian	

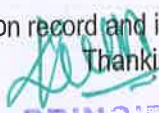
Respected Sir,

We are submitting herewith following documents towards filing of a patent application

1. Form-1,
2. Form 2 and Complete Specification with Figure,
3. Form-9,
4. We Claims

You are requested to take the same on record and issue a receipt for the same.

Thanking You,


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Yours faithfully,
(Dr. J. KUMARESAN)




Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202241061114
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/10/2022
APPLICANT NAME	1 . Dr.S.B.Manooj Kumar 2 . Dr.Sowmya Jagadeesan 3 . Ms.Vinita Rohilla 4 . Ms.S.Jayachitra 5 . Dr.K.Abhimanyu Kumar Patro 6 . Mr.Rajeev Sharma 7 . Dr.Soumya Ranjan Samal 8 . Mr.Sushant Kumar Pattnaik 9 . Dr.P.Dileep 10 . Ms.P.Revathy
TITLE OF INVENTION	AN ARTIFICIAL INTELLIGENCE AND IOT BASED SYSTEM FOR REGENERATIVE MEDICINE FOR THE TREATMENT OF LIFE-THREATENING DISEASES AND WORKING METHOD THEREOF
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	18/11/2022


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SEMINAR ON HOW TO WRITE A RESEARCH PAPER



**JKK MUNIRAJAH
COLLEGE OF TECHNOLOGY**



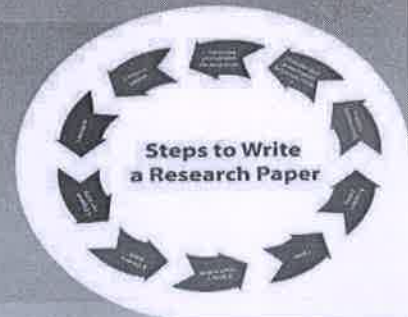
**SEMINAR ON HOW TO
WRITE A RESEARCH PAPER**



TUESDAY
07 FEB 2023



TIME
09:30 AM- 12:40 PM



RESOURCE PERSON

DR.G.RAJASEKARAN,
DAGSLORE TECHNOLOGY
SOLUTIONS, COIMBATORE.

Dr.K.SRIDHARAN M.E,MBA ,M.I.S.T.E,PhD
PRINCIPAL

Dr.N.SATHYABALAJI M.E,MBA ,M.I.S.T.E,PhD
HOD -CSE

EVENT COORDINATOR : Mrs.V.Nirosha AP/CSE

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DEPARTMENT OF CSE & IT

Seminar On How to write a Research Paper organized by Department of Computer Science and Engineering, Jkk Munirajah College of Technology on **07.02.2023** through Offline mode. The aim of the seminar is to create knowledge among the participants about Research Paper. The total no of participants is 30 Students. **Dr. N.Sathyabalaji**, Associate Professor and Head, Department of Computer Science and Engineering, Delivered the welcome address and he extended his warm welcome to the resource person and Participants. The presidential address was given by **Dr.K.Sridharan**, Principal, and Jkk Munirajah College of Technology. Further, he highlighted the importance of Research Methodology.

Dr.G.Rajasekaran, Dagslore Technical Solutions, Coimbatore played Chief Guest role and he delivered the importance of Data Processing and Research Methodology. He clearly explained detail about Research Paper and Research Methodology. The seminar was very useful and fashionable by participants from the students. The seminar session ended with intensive interaction with the Participants and all the queries were answered by **Mr.G.Rajasekaran**, Dagslore Technical Solutions, and Coimbatore. The program was successfully completed with vote of thanks by **Mrs.V.Nirosha** Assistant professor, Department of Computer Science and Engineering.


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PHOTOS OF THE EVENT



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COLLEGE OF TECHNOLOGY**

(APPROVED BY AICTE, NEW DELHI & AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
T.N. Palayam-638 506, Gobichettipalayam(Tk),
Erode(Dt), Tamilnadu.



NAAC Accreditation with
"A" GRADE

**Workshop on Research Methodology and Trends in
Interfacing Various Sensors with ARDUINO UNO**

Resource Person

Mr.N.PRABHU

ETS Academy,Erode.

Chairman

Mrs.J.K.K.VASANTHAKUMARI MUNIRAJAH

Secretary

Mrs.KASTHURIPRIYA KIRUPAKAR MURALI M.B.A.,

Research Director

Dr.S.KIRUPAKAR MURALI B.Tech., M.S., Ph.D.,

Principal

Dr.K.SRIDHARAN ME., M.B.A., Ph.D., MISTE.,

Organized

Electronics And Communication Engineering

All Faculty Members & All Students

Date : 22-09-2022

Time : 09.30 AM

Venue

ECE Smart Class Room


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DEPARTMENT OF ECE

The Department of Electronics and Communication Engineering of our college is organizing a one day Workshop on Research Methodology and Trends in Interfacing Various Sensors with ARDUINO UNO to our students on 22nd September 2022 (Thursday) at ECE smart class room in JKKMCT. All the students are requested to attend the Workshop and get benefit.

The objective of this workshop is to provide students with the necessary knowledge and tools to integrate and build simple projects with sensors and outputs on their own. Embedded Systems have become an integral part of our daily lives. The main motto of this workshop is to give a better understanding of the research technology and trends in Arduino and various sensors. From this workshop, student had able to learn how to interface different sensors with arduino and process those signal to drive various display devices and motors. Arduino is an open-source electronics platform based on easy-to-use hardware and software. Arduino boards are able to read inputs - light on a sensor, a finger on a button, or a Twitter message - and turn it into an output - activating a motor, turning on an LED, publishing something online.

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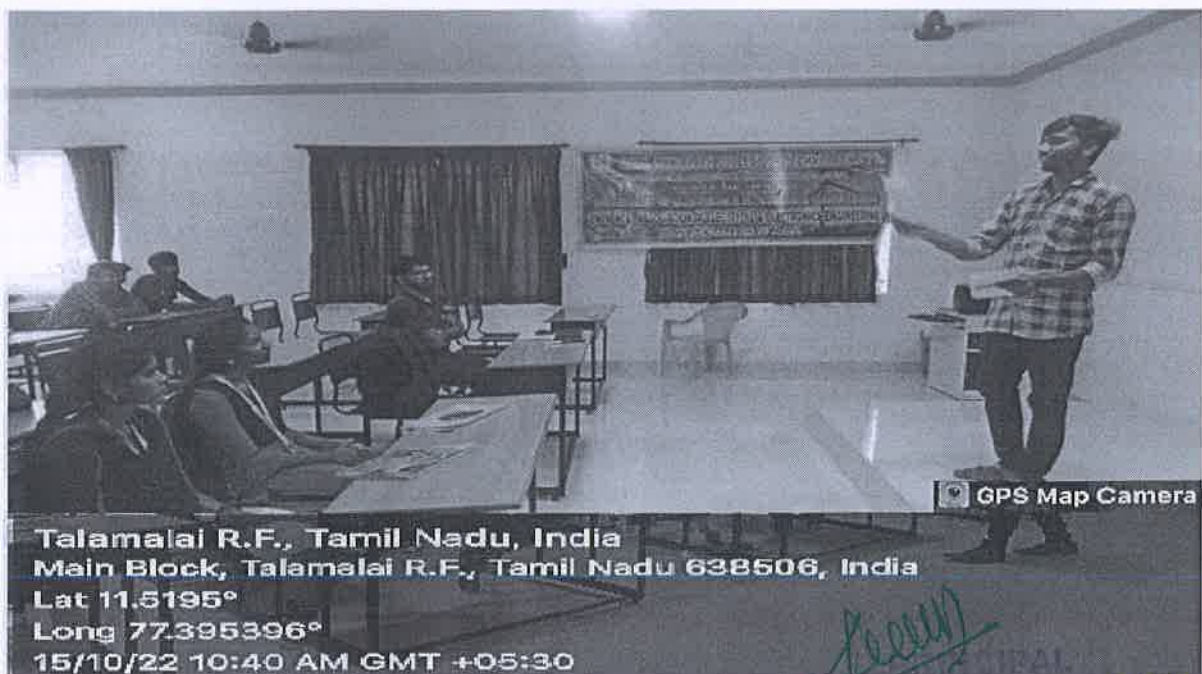
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PHOTOS OF THE EVENT



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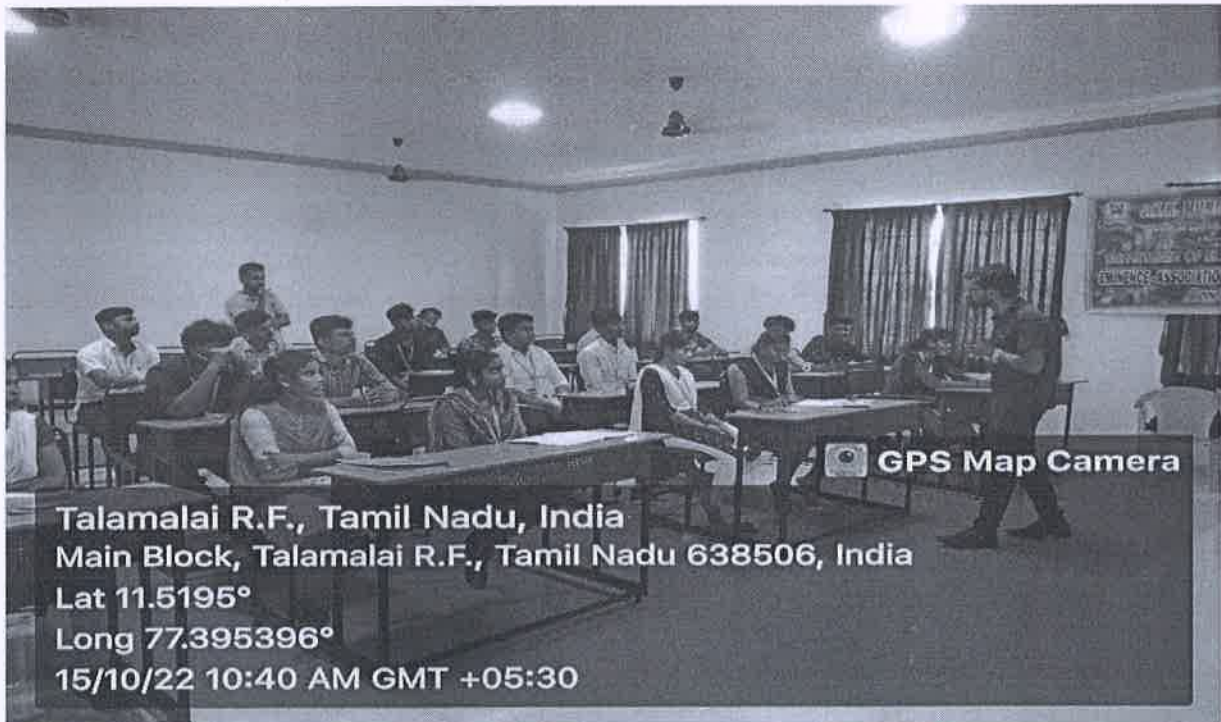
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DEPARTMENT OF EEE

The Department of Electrical and Electronics Engineering of Our College is organizing a one day seminar on Seminar on “Advanced Technology in Automotive and Production Industries” to our students 15th Oct 2022(Saturday) at Ground Floor Seminar Hall. The faculty members are requested to extend their cooperation for successful conduct of the Seminar and get benefits.

PHOTOS OF THE EVENT



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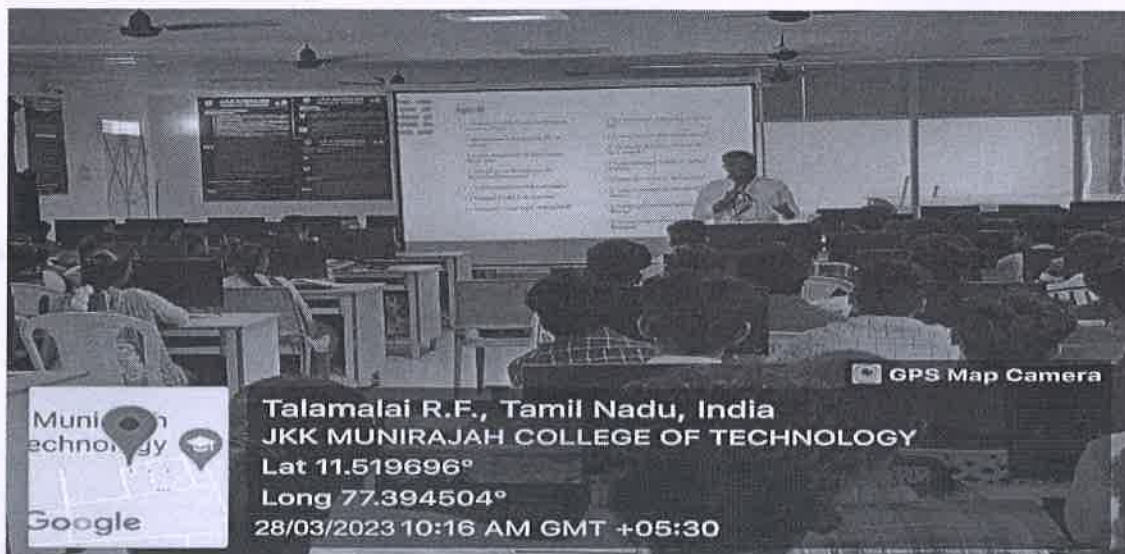
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DEPARTMENT OF INFORMATION TECHNOLOGY

Risk Taking and Risk Management in Entrepreneurship organized by Department of Information Technology, Jkk Munirajah College of Technology on 28.03.2023 through Offline mode. The aim of the Seminar is to create knowledge among the participants about Entrepreneurship Development .The total no of participants is 31 Students.

PHOTOS OF THE EVENT



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Number of research papers per teachers in the journal notified on a year (2022-2023)

Title of paper	Name of the Authors	Department of the Teacher	Name of Journal	Year of Publication	ISSN Number	Link to the recognition in International journal of aqu science, IOP conference series website /Digital Object Identifier (doi) number		
						Link to website of the journal	Link to article/paper/ abstract of the article	It is listed in care list/Scopus/ of science/other intention
A Novel Approach Based on Hybrid Algorithm for Energy Efficient Cluster Head Identification in Wireless Sensor Networks	Dr. K Sridharan	CSC	Computer Systems Science & Engineering	2022	0267-6192	https://www.techscience.com/journal/csse	https://cdn.techscience.com/ueditor/files/csse/TSP_CSSE-43-1/TSP_CSSE_23477/TSP_CSSE_23477.pdf	Google scho
Hybrid Long Short-Term Memory Network for Detecting Lung Tumor for Early Treatment	Dr. K Sridharan	CSC	Neuro Quantology	2022	1303-5150	https://www.neuroquantology.com/	http://tinyurl.com/2s4j5j9b	Google scho
An automated clinical decision support system for predicting cardiovascular disease using ensemble learning approach	Dr. K Sridharan	CSC	Concurrency and Computation: Practice and Experience	2022	1532-0626	https://onlinelibrary.wiley.com/journal/15320634	https://onlinelibrary.wiley.com/doi/abs/10.1002/cpe.7007	Web of scien
An automated heart disease prediction approach using linearly support vector regression and stacked linear swarm optimization	Dr. K Sridharan	CSC	Journal of Intelligent & Fuzzy Systems	2022	1064-1246	https://www.iospress.com/catalog/journals/journal-of-intelligent-fuzzy-systems	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs212772	Web of scien
Cancernet Classifier for Breast Cancer Classification Using Deep Neural Networks and U-NET segmentation	Dr. N .Sathyabalaji	CSC	INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT	2022	2456-4184	https://www.ijnrd.org	https://www.ijnrd.org/papers/IJNRD220609.pdf	Google scho

(Signature)

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Title of paper	Name of the authors	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in International journal of aquatic science, IOP conference series website /Digital Object Identifier (doi) number		
						Link to website of the journal	Link to article/paper/abstract of the article	It is listed in --- e list/scopus/web science/other intention
Ensembling MI Models for Advancement in Wmn	Ms.M.C.Savithri	CSC	An interdisciplinary journal of Neuro science and Quantum physics,	2022	1303-5150	https://www.neuroquantology.com/	http://tinyurl.com/423eru4f	Scopus
Effect of Rotating Arc (Spin Arc) on Mechanical Properties and Microstructural Characteristics of Gas Metal Arc Welded Armour Steel Joints	Dr. N. Sanker	MECH	Transactions of the Indian Institute of Metals	2022	0972-2815	https://link.springer.com/journal/12666	https://link.springer.com/article/10.1007/s12666-022-02679-2	Care list
Performance and Characteristics of Stationary Arc and Rotating Arc-Gas Metal Arc Welded DMR 249 Naval Grade Steel Joints	Dr. N. Sanker	MECH	Materials Performance and Characterization	2022	2379-1365	https://www.astm.org/materials-performance-and-characterization.html	http://tinyurl.com/p5vwnm3z	Web of science
Experimental investigation of DI diesel engine emission characteristics using base metals as catalyst	Dr.K.SRIRAM	MECH	Materials Today: Proceedings	2022	2352-9407	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785322032874	Web of science
Effects of emission and performance characteristics study of rubber seed biodiesel fueled DI diesel engine fumigated with methanol	Dr.K.SRIRAM	MECH	Materials Today: Proceedings	2022	2352-9407	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785322016760	Web of science

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Title of paper	Name of the authors	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in International journal of aquatt science, IOP conference series website /Digital Object Ident (doi) number		
						Link to website of the journal	Link to article/paper/abstract of the article	It is listed in --- c list/scopus/web science/other intention
Iot-based wireless charging and power sharing for electrical vehicles	Dr.C.Saravanan	EEE	An interdisciplinary journal of Neuro science and Quantum physics, NeuroQuantology	2022	1303-5150	https://www.n euroquantology.com/	https://www.proquest.com/openview/d866de11f103bd2a8e82e58f8cfcea0c/1?pg-origsite=gscholar&cbl=2035897	Scopus
A Comparative study & investigation on replacement of cement by chalk piece powder	Ms.V.Sathyapriya	CIVIL	International Journal Of Novel Research And Development	2022	2456-4184	https://www.ijnrd.org/	https://www.ijnrd.org/papers/IJNRD2302024.pdf	Google scholar


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