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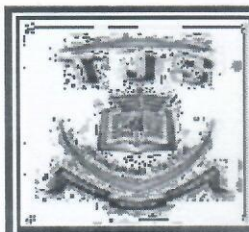
Ph: 044 27967600, E-mail: [tjsivanandam@gmail.com](mailto:tjsivanandam@gmail.com), Web: [www.tjsec.in](http://www.tjsec.in)



ACADEMIC YEAR	NO OF PATENTS GRANTED
2023-2024	03
2022-2023	09
2021-2022	04
2020-2021	01
2019-2020	NIL
2018-2019	01



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### PATENTS GRANTED BY THE FACULTY 2023-2024

S.No	Academic Year	Name of the Faculty	Title of the Patent	Application Number
1	2023-2024	Ms. Shunmuga Sankari HOD-EEE Mr.T.Kamalkumar, AP/EEE	IoT-Based Automation for Monitoring Temperature and Vibration in Processes to Prevent Accidents	202341048239
2		Mr. P. Anandha Prakash AP/EEE Mr. Prakash.A, AP/EEE	AI & IoT Based Smart Agriculture Management System for Efficient Irrigation & Crop Monitoring Using Machine Learning (ML) Algorithms	202341043483
3		Dr.M Sathyapriya, Prof/ECE	Combat Zone Soldier Health Monitoring and Tracking Systems	202341050640

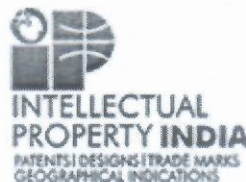


  
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#### Application Details

APPLICATION NUMBER	202341048239
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/07/2023
APPLICANT NAME	1 . Dr.S.Lokesh 2 . Dr.S.N.Sivaraj 3 . Jayaprakash Jala 4 . Ezudheen Puliyanjalil 5 . Mohan A 6 . Vineetha Varghese 7 . Dr. E. Anbalagan 8 . Shunmuga Sankari M 9 . Mr.T.Kamalkumar 10 . Arpan Murmu
TITLE OF INVENTION	IoT-Based Automation for Monitoring Temperature and Vibration in Processes to Prevent Accidents
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	mail2patentipr@gmail.com
ADDITIONAL-EMAIL (As Per Record)	mail2patentipr@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	01/09/2023



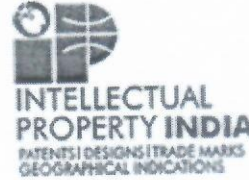
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### Application Details

APPLICATION NUMBER	202341043483
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/06/2023
APPLICANT NAME	1 . Rakesh S 2 . Mrs.Geetha Mahalakshmi 3 . N.Pavitha 4 . Manasa GV Kumar 5 . Haritha K Sivaraman 6 . M.Suresh 7 . P. Anandha Prakash 8 . Prakash.A 9 . Aaftab Alam 10 . Arpan Murmu
TITLE OF INVENTION	AI & IoT Based Smart Agriculture Management System for Efficient Irrigation & Crop Monitoring Using Machine Learning (ML) Algorithms
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	mail2patentipr@gmail.com
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	01/09/2023

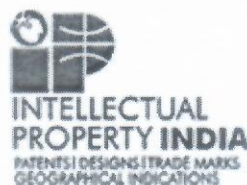


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### Application Details

APPLICATION NUMBER	202341050640
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/07/2023
APPLICANT NAME	1 . ANJU DAS 2 . P.Velraj Kumar 3 . CMR Institute of Technology
TITLE OF INVENTION	Combat Zone Soldier Health Monitoring and Tracking Systems
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	vrajkumarp@yahoo.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	01/09/2023

### Application Status

APPLICATION STATUS	Awaiting Request for Examination
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**PATENTS PUBLISHED BY FACULTY 2022-2023**


S.No	Academic Year	Name of the Faculty	Title of Patent	Application Number
1	2022-2023	Dr.S. Velmurgan Head&Prof/ECE	Recognition of emotions in real-time for customer service using Deep lens Face Detection Application	202241071811
2		Mr.S.S.SenthilKumar, Assoc. Prof / AI & DS	Automatic Computer vision based accident detection system through image processing and video surveillance using Depp Learning Algorithms	202241041367
3		Ms.Shunmuga SankariM, HOD-EEE Mr.T.Kamal kumar,AP-EEE Mr. Prakash.A,AP-EEE	Realtime Agricultural Field Monitoring System Using IOT	202241027406
4		Mr.Prakash.A,AP-EEE Dr.I.AruldossAdaikalam , ASP / EEE	Monitoring E – Health Care System Using AI Techniques & Methods	202241075332
5		Dr.I.AruldossAdaikalam, ASP / EEE	Intelligent E-Vehicle Charging Station Based On Internet Of Things	202241067745
6		Dr.S. Velmurgan Head&Prof/ECE	Development of an IOT-based home Automation System for Control and Monitoring of Electrical Devices	202241032070
7		Ms.ShunmugaSankari M, HOD-EEE Mr.T.Kamalkumar,AP-EEE	AI Based Smart Agriculture System Using Embedded IOT	202241072729
8		Mr.Prakash.M AP/MECH	Spring Based Level Maintenance Mechanism for Sailing Vessels	202341026498



  
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9		Mr.P. Anandha Prakash	AI & IOT Based Smart Agriculture	2022410681 00



  
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#### Application Details

APPLICATION NUMBER	202241071811
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/12/2022
APPLICANT NAME	1 . Dr.D.Kamalakkannan 2 . Dr. Jolly Masih 3 . Mansoor Farooq 4 . S.Hemasilviavinothini 5 . Dr. S. Velmurugan 6 . Dr.V.M.Senthilkumar 7 . P.Renuga Devi 8 . Dr.M.Chitra 9 . Dr. J Preethi 10 . V T Krishnaprasath
TITLE OF INVENTION	Recognition of emotions in real-time for customer service using DeepLens Face Detection Application
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	esdiyeminfotech@gmail.com
ADDITIONAL-EMAIL (As Per Record)	esdiyeminfotech@gmail.com
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/12/2022



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#### Application Details

APPLICATION NUMBER	202241041367
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	19/07/2022
APPLICANT NAME	1 . Dr. V. Vaishnavy 2 . Dr.AR.Sivakumaran 3 . Dr.M.Vanitha 4 . Dr. Hrituparna Paul 5 . Dr.M.Saravanan 6 . Dr A Chandra Sekar 7 . S. S. Senthil Kumar 8 . Dr.Abhijit J.Patankar 9 . Shakunthala B S 10 . Dr. Brijesh Sathian 11 . Dr Amol Digambar Pawar
TITLE OF INVENTION	Automatic Computer vision-based accident detection system through image processing and video surveillance using Deep Learning Algorithms
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	senanipindia@gmail.com
ADDITIONAL-EMAIL (As Per Record)	admin@senanip.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	29/07/2022

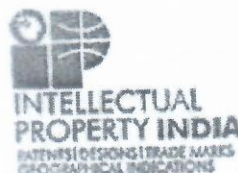


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### Application Details

APPLICATION NUMBER	202241027406
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/05/2022
APPLICANT NAME	1 . Dr. R Muthuselvi 2 . Dr G.Nirmala 3 . Saureng Kumar 4 . Dr S Magesh Kumar 5 . Dr. Bindu KV 6 . Shunmuga Sankari M 7 . T.Kamalkumar 8 . Prakash.A
TITLE OF INVENTION	REAL TIME AGRICULTURAL FIELD MONITORING SYSTEM USING IOT
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	mail2patentipr@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	17/06/2022



Application Status

<https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus>

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### Application Details

APPLICATION NUMBER	202241075332
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/12/2022
APPLICANT NAME	1 . K.Deepthika 2 . Dr. L. Jaya Singh Dhas 3 . Mr. Beschi I S 4 . Kamaraja A S 5 . A.Naresh Kumar 6 . Dr.R.Dinesh Kumar 7 . Prakash.A 8 . Dr. I. Arul Doss Adaikalam
TITLE OF INVENTION	Monitoring E - Health Care System Using AI Techniques & Methods
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	deepthi.karuppusamy@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/12/2022



Application Status

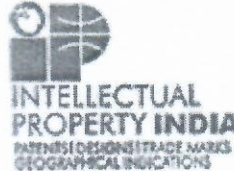
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#### Application Details

APPLICATION NUMBER	202241067745
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/11/2022
APPLICANT NAME	1 . Mr.M.Shyam 2 . Ms.P.S.SANTHI 3 . Mr.Aaron James. S 4 . Mr.F.SAMUEL FRANKLIN 5 . Dr.A.Rajalingam 6 . Dr.Shree K V M 7 . Dr. I. Arul Doss Adaikalam 8 . Ms. Gayathri.S 9 . Dr.INFANT SHYAM KUMAR M 10 . Mrs.Anupama J Nair
TITLE OF INVENTION	INTELLIGENT E-VEHICLE CHARGING STATION BASED ON INTERNET OF THINGS
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	senanipindia@gmail.com
ADDITIONAL-EMAIL (As Per Record)	admin@senanip.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	23/12/2022

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#### Application Details

APPLICATION NUMBER	202241032070
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/06/2022
APPLICANT NAME	1 . Syed Asif Basha 2 . Amarsree V 3 . Dr.Reshmi.B 4 . Dr. Sudha Mishra 5 . Dr. Meesala Sudhir Kumar 6 . Dr Sangeetha.S 7 . Dr. Rajesh Verma 8 . Dr.M.Ramkumar Raja 9 . Mr. Bharat Choudhary 10 . Pratik Shankar 11 . Dr. S. Velmurugan
TITLE OF INVENTION	DEVELOPMENT OF AN IOT-BASED HOME AUTOMATION SYSTEM FOR CONTROL AND MONITORING OF ELECTRICAL DEVICES
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	esdiyeminfotech@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	17/06/2022



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### Application Details

APPLICATION NUMBER	202241072729
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/12/2022
APPLICANT NAME	1 . Dr.M A Khadar Baba 2 . Dr.S.Nagarajan 3 . Dr.C. Vivekanandan 4 . Dr. Meenakshi Sharma 5 . Mr.M.Hariprabhu 6 . Mrs.R.Indhuja 7 . Mrs.Shunmuga Sankari M 8 . Mr.T.Kamalkumar
TITLE OF INVENTION	AI Based Smart Agriculture System Using Embedded IOT.
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	mail2patentipr@gmail.com
ADDITIONAL-EMAIL (As Per Record)	mail2patentipr@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/12/2022

### Application Status



  
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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/04/2023

(21) Application No.202341026498 A

(43) Publication Date : 05/05/2023

(54) Title of the invention : SPRING BASED LEVEL MAINTENANCE MECHANISM FOR SAILING VESSELS

(51) International classification :A61B 172950, A61M 052000, A61P 430000, B41J 021650, B63B 150000  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

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3)J. IMMANUEL DURAI RAJ

4)V. RAVI RAJ

5)Dr. MAYANK CHOUBEY

6)PROF. AMRUTA JAGDISH KILLOL

7)Mr. P VIGNESH

8)PRAKASH .M

9)Dr. UMESH GUPTA

10)PURUSHOTTAM BALASO PAWAR

Name of Applicant : NA

Address of Applicant : NA

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Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, SGT UNIVERSITY, GURUGRAM, HARYANA. -----

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Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CIVIL ENGINEERING AJEENKYA D.Y.PATIL SCHOOL OF ENGINEERING, LOHGAON, PUNE, MAHARASHTRA, 412105. -----

7)Mr. P VIGNESH

Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, ARASU ENGINEERING COLLEGE, KUMBAKONAM, INDIA, 612501. -

8)PRAKASH .M

Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING TJS ENGINEERING COLLEGE TJS NAGAR PERUVYOAL, GUMMIDIPOONDI, TAMIL NADU, 601206. -----

9)Dr. UMESH GUPTA

Address of Applicant :PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING DEPARTMENT VAISH COLLEGE OF ENGINEERING ROHTAK, 124001. -----

10)PURUSHOTTAM BALASO PAWAR

Address of Applicant :LECTURER, DEPARTMENT OF MECHANICAL ENGINEERING, SVPM'S INSTITUTE OF TECH AND ENGINEERING MALEGAON BK TAL BARAMATI DISTRICT, PUNE, 413115. -----

(57) Abstract :

The Spring based Level Maintenance Mechanism for Sailing Vessels is a novel approach to maintain the level of a sailing vessel by utilizing springs. The mechanism is designed to keep the sailing vessel level, providing a comfortable and stable environment for passengers and crew. The system is comprised of a set of springs installed at strategic locations on the vessel. The springs are calibrated to maintain a predetermined level, and their tension can be adjusted based on the weight distribution of the vessel. The mechanism is simple and easy to operate, requiring minimal maintenance. The system is particularly useful for sailing vessels that experience fluctuations in weight distribution due to passenger movements or changes in weather conditions. By maintaining a level position, the mechanism helps prevent seasickness and makes the vessel more comfortable to travel on. The Spring based Level Maintenance Mechanism for Sailing Vessels is an innovative solution that provides a reliable and cost-effective way to maintain the level of sailing vessels. The mechanism is easy to install and operate, making it an ideal solution for small and large sailing vessels alike.

No. of Pages : 8 No. of Claims : 4

The Patent Office Journal No. 18/2023 Dated 05/05/2023

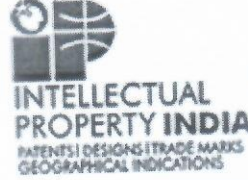


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### Application Details

APPLICATION NUMBER	202241068100
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/11/2022
APPLICANT NAME	1 . Dr.V.Sesha Bhargavi 2 . Dr. S. Joshua Davidson 3 . Dr. V L Raja 4 . Selvaganesh R 5 . Dr.P.Velmurugan 6 . Dr.J.Senthil Murugan 7 . C.Sankari 8 . P. Anandha Prakash
TITLE OF INVENTION	AI & IOT Based Smart Agriculture
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	mail2patentipr@gmail.com
ADDITIONAL-EMAIL (As Per Record)	mail2patentipr@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	23/12/2022



### Application Status

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Peruvoyal, Kaveripettai  
Gummidipoondi Taluk  
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**PATENTSPUBLISHEDBYFACULTY 2021-2022**

S.No	Academic Year	Name of the Faculty	Title of Patent	Application Number
1	2021-2022	Dr.J.Prakash, Principal	Electric power Distribution Employing Ensemble Machine Learning Based Cyber- physical System	202241006399
2		M.Shunmuga sankari, Asso prof/EEE	CNN Based Blood Cancer Detection & Diagnostic Method	202241013641
3		Dr.M.Sathyapriya,Pro f/ECE	Design System of Smart Health care cloud based IOT- Model for detecting and preventing Medical diagnosis using Deep Learning	202141059041
4		Ms.C.Shalini, AP/ECE	Land Survey and registration system with video proofing based IoT Hyper-Ledger Cloud Module	202141058353



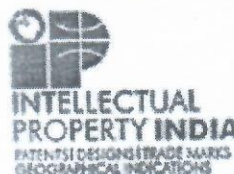
  
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 Thiruvallur Dist - 601 206.





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#### Application Details

APPLICATION NUMBER	202241006399
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/02/2022
APPLICANT NAME	1 . Dr. S. SIVAKUMAR 2 . Dr. J. PRAKASH 3 . Dr. U. NARENDER 4 . Dr. LAVANYA DHANESH 5 . Dr. R. GOMALAVALLI 6 . Mr. R. PARTHEEPAN 7 . Dr. ASIM DATTA 8 . Ms. P. DHANA SELVI 9 . Ms. L. SREEVIDYA 10 . Mr. KISHORE ABISHEK
TITLE OF INVENTION	ELECTRIC POWER DISTRIBUTION EMPLOYING ENSEMBLE MACHINE LEARNING BASED CYBER-PHYSICAL SYSTEM
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	ssivakumar@veltech.edu.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	25/02/2022

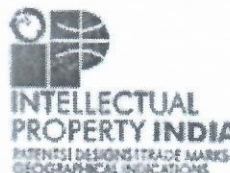


  
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#### Application Details

APPLICATION NUMBER	202241013641
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/03/2022
APPLICANT NAME	1 . Dr.A.Velmurugan 2 . E. Kiran Kumar 3 . R.Sharmi 4 . Mrs. P. Yuvarani 5 . Jothi Thilaga P 6 . S.Sridevi 7 . Vignesh Saravanan K 8 . Shunmuga Sankarl M
TITLE OF INVENTION	CNN Based Blood Cancer Detection & Diagnosis Method
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	mail2patentipr@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/03/2022

#### Application Status

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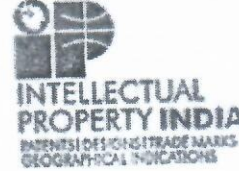






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### Application Details

APPLICATION NUMBER	202141059041
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/12/2021
APPLICANT NAME	<p>1 . Dr.M.Sathya Priya, TJS Engineering College</p> <p>2 . Ms.A. Mariyaprinicy, St. Joseph College of Engineering</p> <p>3 . Dr. N.K Senthil Kumar, Vel Tech Rangarajan Dr.Sagunthala R&amp;D Institute of Science and Technology</p> <p>4 . Dr.M.GAYATHRI, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya</p> <p>5 . Mrs.R.PREMA, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya</p> <p>6 . Dr. D. HEMANAND, Sriram Engineering College</p> <p>7 . Dr.S.GOKULAKRISHNAN, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya</p> <p>8 . Dr.D.S. JAYALAKSHMI, Sathyabama Institute of Science and Technology</p> <p>9 . Dr.Senthilkumar.C, Saveetha Institute of Medical and Technical Sciences</p> <p>10 . Dr.S.Neduncheliyan, Bharath Institute of Higher Education and Research</p>
TITLE OF INVENTION	Design System of Smart Healthcare Cloud based-IoT Model for Detecting and Preventing Medical Diagnosis Using Deep Learning
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	sathya77.ashok@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	

<https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus>



*[Signature]*

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**PATENTS PUBLISHED BY FACULTY 2020-2021**

S.No	Academic Year	Name of the Faculty	Title of Patent	Application Number
1	2020-2021	D.Mythily, Assoprof/ECE & Dr. M. Sathyapriya Prof/ECE	Intelligent brain activated wheel chair.	202041050106

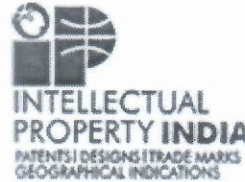


*[Handwritten Signature]*  
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#### Application Details

APPLICATION NUMBER	202041050106
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/11/2020
APPLICANT NAME	Dr.KIRAN GEORGE
TITLE OF INVENTION	INTELLIGENT BRAIN ACTUATED WHEEL CHAIR
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	kirangeorge@citchennai.net
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	27/11/2020

#### Application Status

APPLICATION STATUS

**Deemed to be withdrawn u/s 11B(4)**



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**PATENTS PUBLISHED BY FACULTY 2018-2019**

S.No	Academic Year	Name of the Faculty	Title of Patent	Application Number
1	2018-2019	Dr.S.Velmurgan, Head & Prof/ECE	Crash of implementing VPN's to secure wire and wireless network.	201941005772



  
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#### Application Details

APPLICATION NUMBER	201941005772
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/02/2019
APPLICANT NAME	1 . Dr. D. JAYAKUMAR 2 . Dr S VELMURUGAN 3 . Dr. A. SENTHIL KUMAR 4 . Dr B SENTHIL KUMAR 5 . Mrs. KAVITHA V
TITLE OF INVENTION	CRASH OF IMPLEMENTING VPN'S TO SECURE WIRE AND WIRELESS NETWORK
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	djayakumar303@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	14/02/2019
PUBLICATION DATE (U/S 11A)	22/02/2019

#### Application Status



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