



# K.S.R. COLLEGE OF ENGINEERING

(An Autonomous Institution, Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai,  
Accredited by NAAC with 'A' Grade and ISO 9001:2008 Certified Institution)

**R. SRINIVASAN** B.B.M.,  
Chairman cum Managing Trustee

**Dr. P. SENTHIL KUMAR** M.E., Ph.D., (IITM)  
Principal


Ref : SM/R&D/KSRCE/2018-19

Date : 12.06.2018

Sub: Research Project Grant - Seed Money - Approval – 2018-2019 – Reg

It is hereby informed that the following research projects for seed money is sanctioned by the institute for the academic year 2018 -2019.

S.No.	Name of the Department	Name of the Faculty	Title of the Project Proposal	Sanction Order No	Total Cost of the Project in Rs.
1.	CIVIL	Dr.V.Revathi Mr.P.Karthick	Development of Self Compacting Geopolymer Concrete using GGBS and Bottom Ash under ambient condition	SM/RP/2018-19/01	1,46,000
2.	CSE	Dr. V. Sharmila Dr. V. Vennila	Soil Irrigation System based on Automated Farming	SM/RP/2018-19/02	1,10,000
3.	IT	Dr.G.Singaravel Dr.S.R.Menaka	Deep Learning Based Automatic Diabetic Retinopathy Detection Using Fungus Image	SM/RP/2018-19/03	1,00,500
4.	MECH	Dr. A. V. Balan Mr. R. Barathkumar Mr. P.Jagadeesh	Wave Energy Resources Focused on the spatial distribution	SM/RP/2018-19/04	1,65,000
Total					5,21,500

  
**Dr. V. REVATHI** M.Tech, Ph.D.,  
Research Convener  
Professor and Head  
Department of Civil Engineering  
K.S.R. College of Engineering  
Tiruchengode - 637 215.

Copy to:

- Heads of the Department
- Individual
- Administrative Office
- R&D

  
Principal

**PRINCIPAL**  
K.S.R. COLLEGE OF ENGINEERING  
K.S.R. KALVI NAGAR,  
TIRUCHENGODE-637 215

  
Chairman



**K.S.R. College of Engineering, Tiruchengode – 637 215**

**Statement of Expenditure for Seed Money Financial Grant**

**Academic Year: 2018-2019**

**Date: 27.03.2019**

Department	:	Civil Engineering
Name of the Principal Investigator	:	Dr. V.Revathi
Name of the Co –Investigator	:	Mr. P.Karthick
Title of the Seed Money Project	:	'Development of Self Compacting Geopolymer Concrete using GGBS and Bottom Ash under Ambient Condition'
Approval Lr No & dated	:	SM/RP/2018-19/01 dated 12.06.2018
Amount Sanctioned	:	Rs. 1,46,000
Amount Utilized	:	Rs. 1,46,000

**Expenditure Details**

S. No.	Particulars	Quantity	Total Amount (Rs)
1.	GGBS	1500 kg	24,000
2.	Bottom ash	1500 kg	8,000
3.	River Sand	5000 kg	8,500
4.	Coarse Aggregate	5000 kg	7,000
5.	Sodium Silicate	150 kg	15,000
6.	Sodium Hydroxide	700 kg	18,500
7.	Superplasticizer	150 kg	17,000
8.	Wages	-	18,500
9.	Travel	-	18,800
10.	Others	-	10,700
<b>Total</b>			<b>1,46,000</b>

  
Signature of the Principal Investigator

**Dr. V. REVATHI, M.Tech., Ph.D.,**  
Professor and Head  
Department of Civil Engineering  
K.S.R. College of Engineering  
Tiruchengode - 637 215.

  
Signature of the HOD

**Dr. V. REVATHI, M.Tech., Ph.D.,**  
Professor and Head  
Department of Civil Engineering  
K.S.R. College of Engineering  
Tiruchengode - 637 215.

  
Principal

**PRINCIPAL**  
K.S.R.COLLEGE OF ENGINEERING  
K.S.R.Kalvi Nagar, Tiruchengode-637 215  
Namakkal Dist., Tamilnadu

## K.S.R. College of Engineering, Tiruchengode – 637 215

### Utilization Certificate

Certified that the grant of **Rs. 1,46,000 (One lakh forty-six thousand only)** received from the K.S.R. College of Engineering, Tiruchengode under the seed money grant of support for Research Project entitled '**Development of Self Compacting Geopolymer Concrete using GGBS and Bottom Ash under Ambient Condition**' vide letter No. **SM/RP/2018-19/01** dated **12.06.2018** has been fully utilized for the purpose for which it was sanctioned and in compliance with the guidelines established by the institute.

  
Signature with date  
Principal Investigator


**Dr. V. REVATHI, M.Tech., Ph.D.**  
Professor and Head  
Department of Civil Engineering  
K.S.R. College of Engineering  
Tiruchengode - 637 215.

  
Signature with date  
Head of Department

**Dr. V. REVATHI, M.Tech., Ph.D.**  
Professor and Head  
Department of Civil Engineering  
K.S.R. College of Engineering  
Tiruchengode - 637 215.

  
Signature with date  
Principal

K.S.R. COLLEGE OF ENGINEERING  
K.S.R. Kalvi Nagar, Tiruchengode-637 215  
Namakkal Dist., Tamilnadu

  
Signature with date  
Finance Officer

Finance Officer,  
K.S.R. Educational Institution  
Tiruchengode-637 215.



# K.S.R.College of Engineering, Tiruchengode – 637 215

## Statement of Expenditure for Seed Money Financial Grant


Academic Year: 2018-2019


Date:28.03.2019


Department	:	Computer Science and Engineering
Name of the Principal Investigator	:	Dr. V. Sharmila
Name of the Co-Investigator	:	Dr. V. Vennila
Title of the Seed Money Project	:	Soil Irrigation System based on Automated Farming
Approval Lr No& dated	:	SM/RP/2018-19/02 & 12.06.2018
Amount Sanctioned	:	1,10,000
Amount Utilized	:	1,10,000

### Expenditure Details

S. No.	Particulars	Quantity	Total Amount(Rs)
1.	Microcontroller-Arduino	1	10000
2.	PIC Microcontroller 10000	1	10000
3.	System with Processor Intel Core i3-7100U with required software	1	25000
4.	Soil, Temperature and Humidity Sensors	1	20000
5.	Wages		18,000
6.	Travel		18,000
7.	Other Cost		9,000
Total			1,10,000

  
Signature of the Principal Investigator  
Dr. V. Sharmila,  
ASP/CSE

  
Signature of the HOD  
Dr. A. RAJIV KANNAN, M.E., Ph.D.,  
Professor and Head  
Department of Computer Science and Engineering  
K.S.R. College of Engineering (Autonomous)  
Tiruchengode - 637 215, Namakkal Dist., Tamilnadu

  
PRINCIPAL  
K.S.R. COLLEGE OF ENGINEERING  
K.S.R. Nagar, Tiruchengode-637 215  
Namakkal Dist., Tamilnadu




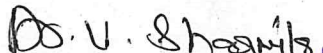
**K.S.R.College of Engineering, Tiruchengode – 637 215**


**(AUTONOMOUS)**


**Utilization Certificate**

Certified that the grant of Rs. 1,10,000 (Rupee One Lakh Ten Thousand only) received from the K.S.R.College of Engineering, Tiruchengode for research project under the seed money scheme entitled Soil Irrigation System based on Automated Farming vide letter No. SM/RP/2018-19/02 & dated 12.06.2018 has been fully utilized for the purpose for which it was sanctioned and in compliance with the guidelines established by the institute.

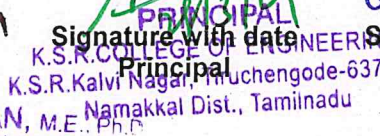
  
Signature with date  
Principal Investigator

  
Do. V. Shanmugam  
ASP / CSE

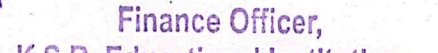
  
Signature with date  
Head of Department

  
Dr. A. RAJIV KANNAN, M.E., Ph.D.  
Professor and Head  
Department of Computer Science and Engg.  
K.S.R. College of Engineering (Autonomous)  
Tiruchengode - 637 215, Namakkal (Dt.)

  
Signature with date  
Principal

  
K.S.R. COLLEGE OF ENGINEERING  
K.S.R. Kalvi Nagar, Tiruchengode-637  
Namakkal Dist., Tamilnadu

  
Signature with date  
Finance Officer

  
Finance Officer,  
K.S.R. Educational Institutions,  
Tiruchengode-637 215.

**K.S.R.College of Engineering, Tiruchengode – 637 215  
(Autonomous)**

**Statement of Expenditure for Seed Money Financial Grant**


**Academic Year: 2018-2019**

**Date: 27.03.2019**

Department	:	Information Technology
Name of the Principal Investigator	:	Dr. G. Singaravel
Name of the Name of the Co –Investigator	:	Dr. S. R. Menaka
Title of the Seed Money Project	:	'Deep learning based automatic diabetic retinopathy detection using fundus image'
Approval Lr No& dated	:	SM/RP/2018-19/03 dated 12.06.2018
Amount Sanctioned	:	Rs. 1,00,500
Amount Utilized	:	Rs. 1,00,500

**Expenditure Details**

S. No.	Particulars	Quantity	Total Amount(Rs)
<b>Components</b>			
1	Server	1	30000
2	Software	1	15000
<b>Consumable</b>			
3	Fabrication / Service	-	20000
4	Testing	-	13000
5	Miscellaneous	-	15000
6	Travel	-	7500
<b>Total</b>			<b>1,00,500</b>

  
Signature of the Principal Investigator

**Dr. G. Singaravel**  
Professor & Head  
Department of Information Technology  
K.S.R. College of Engineering (Autonomous)  
Tiruchengode - 637 215  
Namakkal (Dt), Tamilnadu, India.

  
Signature of the HOD

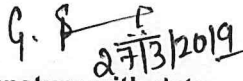
**Dr. G. Singaravel**  
Professor & Head  
Department of Information Technology  
K.S.R. College of Engineering (Autonomous)  
Tiruchengode - 637 215  
Namakkal (Dt), Tamilnadu, India.

  
**Principal**  
K.S.R. COLLEGE OF ENGINEERING  
K.S.R. Kalvi Nagar, Tiruchengode-637 215  
Namakkal Dist., Tamilnadu

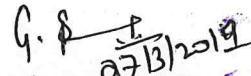
**K.S.R.College of Engineering, Tiruchengode – 637 215  
(Autonomous)**

**Utilization Certificate**


Certified that the grant of Rs. 1,00,500(Rupee One Lakhs Five Hundered Rupees only) received from the K.S.R.College of Engineering, Tiruchengode for research project under the seed money scheme entitled Deep learning based automatic diabetic retinopathy detection using fundus image vide letter No. SM/RP/2018-19/03 dated 12.06.2018 has been fully utilized for the purpose for which it was sanctioned and in compliance with the guidelines established by the institute.

  
Signature with date  
Principal Investigator

**Dr. G. Singaravel**  
Professor & Head  
Department of Information Technology  
K.S.R. College of Engineering (Autonomous)  
Tiruchengode - 637 215  
Namakkal (Dt), Tamilnadu, India.

  
Signature with date  
Head of Department

**Dr. G. Singaravel**  
Professor & Head  
Department of Information Technology  
K.S.R. College of Engineering (Autonomous)  
Tiruchengode - 637 215  
Namakkal (Dt), Tamilnadu, India.

  
Signature with date  
Principal  
K.S.R. College of Engineering  
K.S.R. Kalvi Nagar, Tiruchengode-637 215  
Namakkal Dist., Tamilnadu

  
Signature with date  
Finance Officer

Finance Officer,  
K.S.R. Educational Institutions  
Tiruchengode-637 215.



**K.S.R.College of Engineering, Tiruchengode – 637 215**

**Statement of Expenditure for Seed Money Financial Grant**

**Academic Year: 2018-2019**

**Date: 27.03.2019**

Department	:	Mechanical Engineering
Name of the Principal Investigator	:	Dr. A.V.Balan
Name of the Co-Investigator	:	Mr. R. Barathkumaar Mr. P. Jagadeesh
Title of the Seed Money Project	:	'Wave Energy Resources Focused on the Spatial Distribution'
Approval Lr No. & dated	:	SM/RP/2018-19/04 dated 12.06.2018
Amount Sanctioned	:	Rs. 1,65,000
Amount Utilized	:	Rs. 1,65,000

**Expenditure Details**

S. No.	Particulars	Quantity	Total Amount(Rs)
1.	Consumables	-	21,000
2.	Equipment	-	56,000
3.	Salaries/Wages	-	69,000
4.	Travel	-	15,000
5.	Others	-	4,000
Total			1,65,000

Signature of the Principal Investigator

*Dr. A.V. Balan*  
Professor  
Mech. Engg.  
K.S.R.C.E.

Signature of the HOD

*27/3/19*  
Professor & Head  
Department of Mechanical Engineering,  
KSR College of Engineering,  
Tiruchengode, Tamil Nadu.

Principal

*27/3/19*  
PRINCIPAL  
K.S.R.COLLEGE OF ENGINEERING  
K.S.R.Kalvi Nagar, Tiruchengode-637 215  
Namakkal Dist., Tamilnadu

## K.S.R. College of Engineering, Tiruchengode – 637 215

### Utilization Certificate

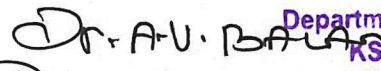
Certified that the grant of Rs. 1,65,000 (Rupee one lakh sixty five thousand only) received from the K.S.R.College of Engineering, Tiruchengode for research project under the seed money scheme entitled Wave Energy Resources Focused on the Spatial Distribution vide letter No. SM/RP/2018-19/04 dated 12.06.2018 has been fully utilized for the purpose for which it was sanctioned and in compliance with the guidelines established by the institute.

  
Signature with date  
Principal Investigator

  
Signature with date  
Head of Department

  
Signature with date  
Principal  
K.S.R. COLLEGE OF ENGINEERING  
K.S.R. Kalvi Nagar, Tiruchengode-637 215  
Namakkal Dist., Tamilnadu

  
Signature with date  
Finance Officer

  
Professor & Head  
Department of Mechanical Engineering,  
KSR College of Engineering,  
Tiruchengode, Tamil Nadu,  
Professor / mech. Engg  
KSRCE

Finance Officer,  
K.S.R. Educational Institutions  
Tiruchengode-637 215.



# K.S.R. COLLEGE OF ENGINEERING

(An Autonomous Institution)

Tiruchengode, Tamil Nadu - 637 215.

## 3.1.2: Seed Money Provided for IPR (2018-2019)

S.No.	Name of the Dept.	Name of the Faculty	Title of the Patent	Application No.	Date	Amount in Rs
1.	CSE	Dr.A. Rajiv Kannan	A Simple and Effective Device for Detecting and Diagnosing the Earlier Diabetes and Thyroid Abnormal	201941013976 A	17.05.2019	683
2.	CSE	Dr.N.S.Nithya Mr.S.Vadivel Dr.E.BabyAnitha Mr.G.Nagarajan	Intelligent Double Tail Comparator for Analog to Digital Converters	E-2/874/2019-CHE	12.03.2019	1760
3.	CSE	Dr.N.S.Nithya	A Smart Intelligent Bio-Degradable Waste Extractor	E-2/875/2019-CHE	12.03.2019	880
4.	CSE	Dr.V. Sharmila	Intelligent Secure and safety system for the welfare of the women society	201941022431	06.06.2019	440
5.	EEE	Dr.S.Ramesh Dr.V.Ravi Dr.R.Sankarganesh Dr.M.Ramesamy	Wireless Vehicle Movement and density monitoring with substitute route Suggestion	201941004801	07.02.2019	1500
6.	IT	Singaravel G	Attendance and Assessment Record of K.S.R. College of Engineering	77899/2018	4/06/2018	500
7.	AF	S.Neelamegan	Two stroke spark ignition free piston engine with gas spring coupled with wound spring as rebound device	201941023464	13.06.2019	1790
8.	ECE	Dr.Karthikeyan S	A Wheezing Detecting Device	201841036882 A	12/10/2018	1600
9.	MECH	Dr.P.Senthilkumar	Mechanical Property of Palmyra palm fiber composite	201941015033	1 04 2019	1790
Total						10,943

  
Convener  
**Dr. V. REVATHI**, M.Tech., Ph.D.,  
Professor and Head  
Department of Civil Engineering  
K.S.R. College of Engineering  
Tiruchengode - 637 215.



  
Principal  
**PRINCIPAL**  
K.S.R. COLLEGE OF ENGINEERING  
K.S.R. KALVI NAGAR,  
TIRUCHENGODE-637 215



From

Dr. A. Rajivkannan,  
Head and Professor / CSE  
K.S.R. College of Engineering,  
Tiruchengode 637 215.

To

The Principal,  
K.S.R. College of Engineering,  
Tiruchengode 637 215.

Respected Sir,

**Sub.: Requisition for grant the application fees for filed and published patent Reg.**

I have filed a patent in the title "A Simple and Effective Device for Detecting and Diagnosing the Earlier Diabetes and Thyroid Abnormal".

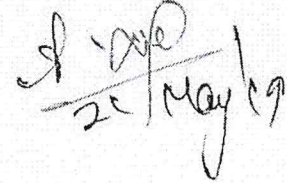
I request you to sanction the amount of Rs. 683/- (Rupees Six hundred and eighty three only) toward the application fees for the same.

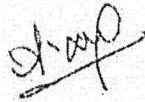
Thanking you,

Place: Tiruchengode

Date :21/05/2019

Yours Faithfully,

  
21 May 19







**Dr. P. Senthil Kumar, M.E., Ph.D., (IITM),  
PRINCIPAL,  
K. S. R. COLLEGE OF ENGINEERING,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE-637 215,  
NAMAKKAL Dt, TAMIL NADU.**

# K.S.R. COLLEGE OF ENGINEERING,

K.S.R. Kalvi Nagar, TIRUCHENGODE - 637 215.

## CASH/CHEQUE PAYMENT VOUCHER

Vr. No.....

Date...22/5/19...

Debit.....

Pay to...DR. A. Rajiv Kannan.....a sum of Rs...683.....

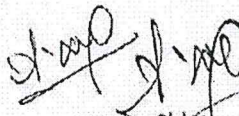
Rupees...Six hundred and eighty three only.....

towards...Intellectual Property rights (IPR).....

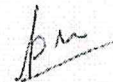
.....by Cash/Cheque/DD

No.....Dated.....

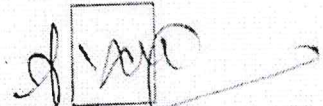
Received as above

  
Prepared by

  
Cashier

  
Passed by

  
A.O.

  
Payee's Signature

  
Dr. P. Senthil Kumar, M.E., Ph.D., (IITM),  
PRINCIPAL,  
K. S. R. COLLEGE OF ENGINEERING,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE-637 215,  
NAMAKKAL Dt, TAMIL NADU.



(12) PATENT APPLICATION PUBLICATION

(21) Application No. 201941013976 A

(19) INDIA

(22) Date of filing of Application : 08/04/2019

(43) Publication Date : 17/05/2019

(54) Title of the invention : A SIMPLE AND EFFECTIVE DEVICE FOR DETECTING AND DIAGNOSING THE EARLIER DIABETES AND THYROID ABNORMAL

(51) International classification : G01N33/00  
(31) Priority Document No : NA  
(32) Priority Date : NA  
(33) Name of priority country : NA  
(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 :

1) D. Siva Sundhara Raja

Address of Applicant : 4081, TNHB COLONY, MELA  
ANUPANADY, MADURAI-625009, TAMILNADU, INDIA  
Tamil Nadu India

(72) Name of Inventor :

1) D. SIVA SUNDHARA RAJA

2) R. ANITHA

3) R. VIJAYARAJESWARI

4) P. NAGARAJAN

5) S. SARANYA

6) A. RAJIVKANNAN

(57) Abstract :

ABSTRACT: The aim of this research work is to design a device which detects and diagnosis the diabetes and thyroid abnormalities in human using exhaled breathe. The present method collects blood samples from human and then detects the disease which is the time consuming and painful process. In this research work, the acetone sensor is used to detect the trace of acetone in human breath which is the key bio marking parameter for detecting and diagnosing glucose and thyroid level as an invasive method. When compared with conventional blood glucose and thyroid level detection using blood samples, the proposed acetone based device will be an effective device for daily usage of the patients as an inexpensive and accurate method.

No. of Pages : 6 No. of Claims : 3



From

1. Dr. N. S. Nithya,  
Associate Professor / CSE
2. Mr. S. Vadivel  
Assistant Professor / CSE
3. Dr. E. Baby Anitha  
Assistant Professor / CSE
4. Mr. G. Nagarajan  
Assistant Professor / CSE  
K.S.R. College of Engineering,  
Tiruchengode 637 215.

To

The Principal,  
K.S.R. College of Engineering,  
Tiruchengode 637 215.

Respected Sir,

**Sub.: Requisition to grant the application fees for filed patent Reg.**

We have filed a patent in the title "Intelligent Double Tail Comparator for Analog to Digital Converters".

We request you to sanction the amount of Rs. 1760/- (Rupees One thousand seven hundred and sixty only) towards the application fees for the same.

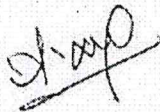
Thanking you,

Place: Tiruchengode

Date :22/03/2019

Yours Faithfully,

1. N.S. Nithya
2. S. Vadivel
3. E. Baby Anitha
4. G. Nagarajan





**Dr. P. Senthil Kumar, M.E., Ph.D., (IITM),  
PRINCIPAL,  
K. S. R. COLLEGE OF ENGINEERING,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE-637 215,  
NAMAKKAL Dt, TAMIL NADU.**

# K.S.R. COLLEGE OF ENGINEERING,

K.S.R. Kalvi Nagar, TIRUCHENGODE - 637 215.

CASH/CHEQUE PAYMENT VOUCHER

Vr. No.....

Date 12/3/2019

Debit.....

Pay to Dr. N.S. Nithya a sum of Rs. 4400

Rupees Four thousand and forty only

towards Intellectual Property Rights (IPR)

No..... Dated..... by Cash/Cheque/DD

N.S. Nithya  
Prepared by

✓  
Cashier

pr  
Passed by

✓  
A.O.

Received as above

N.S. Nithya  
Payee's Signature

pr  
**Dr. P. Senthil Kumar, M.E., Ph.D. (ITM),**  
PRINCIPAL,  
K. S. R. COLLEGE OF ENGINEERING,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE-637 215,  
NAMAKKAL Dt, TAMIL NADU.



3/22/2019

Gmail - CBR

18-19. (2)



Nithya shanmugasundaram &lt;sachinnithya2@gmail.com&gt;

CBR

2 messages

RECS CHENNAI <recschennai.ipo@nic.in>  
To: sachinnithya2@gmail.com, id-sugirpraba@gmail.com

Thu, Mar 21, 2019 at 2:52 PM

PATENT OFFICE  
INTELLECTUAL PROPERTY BUILDING  
G.S.T. Road, Guindy, Chennai-600032  
Tel No. (091)(044) 22502081-84 Fax No. 044 22502066  
E-mail: Chennai-patent@nic.in  
Web Site: www.ipindia.gov.in



CHALLAN : TR-5  
DOCKET NO:23981

Date/Time : 20/03/2019

To,  
Dr. N. S. NITHYA

Agent Number:

172-B, SAKTHI NAGAR, 7TH CROSS, THINDAL POST, ERODE-638012, sachinnithya2@gmail.com

Sr. No.	CBR No.	Reference Number / Application Type	Application Number	Title/Remarks	Amount Paid
1	8977	ORDINARY APPLICATION	201941010870	INTELLIGENT DOUBLE TAIL COMPARATOR FOR ANALOG TO DIGITAL CONVERTERS	1750
2		E-2/874/2019-CHE	201941010870	Form-2	0
3	8977	ORDINARY APPLICATION	201941010871	A SMART INTELLIGENT BIO DEGRADABLE WASTE EXTRACTOR	1750
4		E-2/875/2019-CHE	201941010871	Form-2	0
5	8977	E-Misc/37/2019-CHE	201941010870	EXCESS FEE FOR NEW APPLICATION	10
6	8977	E-44/sc/38/2019-CHE	201941010871	EXCESS FEE FOR NEW APPLICATION	10
Total :					3520

Received a sum of Rs. 3520 (Rupees Three Thousand Five Hundred &amp; Twenty only) through

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Draft	Lakshmi Vika Bank	964811	12/03/2019	1760
Draft	Lakshmi Vika Bank	964812	12/03/2019	1760

Note: This is electronically generated receipt hence no signature required.



<b>FORM1</b> <b>THE PATENTS ACT 1970(39of1970)</b> <b>&amp;</b> <b>THE PATENTS RULES, 2003 APPLICATION FOR</b> <b>GRANT OF PATENT</b> [See section 7,54&135 and rule20(1)]		<b>(FOR OFFICE USE ONLY).</b> Application No: Filing Date: Amount of Fee Paid: CBR No: Signature:	
1.	<b>APPLICANT(S)</b>		
	<b>Name</b>	<b>Nationality</b>	<b>Address</b>
	Dr.N.S.Nithya	INDIAN	172-B , Sakthi Nagar, 7 <sup>th</sup> Cross, Thindal Post, Erode-638012. Mail.id- sachinnithya2@gmail.com Mobile No. -9095806689
	Mr. S.Vadivel	INDIAN	201, Vettaiyampalayam colony, Kurumundhur Post, Nambiyur taluk, Erode -638457 Mail.Id:ecevadivel@gmail.com Mobile No:9787229110
	Dr.F.Baby Anitha	INDIAN	1/3, Muniyappan Kovil Near Marulaiyampalayam Salem-637501. Mail.id:ebabyanitha@gmail.com Mobile No.- 9095793230
	Mr.G. Nagarajan	INDIAN	3/387,Gurusamy Line, Anna Nagar, Erode-638010 Mail.Id:nagu.gee@gmail.com Mobile No:8072826386
2.	<b>INVENTOR (S)</b>		
	<b>Name</b>	<b>Nationality</b>	<b>Address</b>
	Dr.N.S.Nithya	INDIAN	172-B , Sakthi Nagar, 7 <sup>th</sup> Cross, Thindal Post, Erode-638012. Mail.id- sachinnithya2@gmail.com
	Mr. S.Vadivel	INDIAN	201, Vettaiyampalayam colony, Kurumundhur Post, Nambiyur taluk, Erode -638457 Mail.Id:ecevadivel@gmail.com Mobile No:9787229110
	Dr.E.Baby Anitha	INDIAN	1/3, Muniyappan Kovil Near



			Marulaiyampalayam Salem-637501. Mail.id:ebabyanitha@gmail.com Mobile No.- 9095793230
	Mr.G. Nagarajan	INDIAN	3/387,Gurusamy line, Anna Nagar, Erode-638010 Mail.Id:nagu.gee@gmail.com Mobile No:8072826386
3.	<b>TITLE OF THE INVENTION</b> "INTELLIGENT DOUBLE TAIL COMPARATOR FOR ANALOG TO DIGITAL CONVERTERS"		
4.	<b>ADDRESS FOR CORRESPONDENCE OF APPLICANT /AUTHORISED AGENT IN INDIA</b>		
	.N.S.Nithya 2-B , Sakthi Nagar, Cross, indal Post, ode-638010		Mail.id-sachinnithya2@gmail.com Mobile No. -9095806689
	eds-638010 1,Vettaiyampalayam colony, irumundhur Post, umbiyur taluk, ode -638457		Mail.id-ecevadivel@gmail.com Mobile No.-9787229110
5.	<b>PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY</b>		
	Country	Application Number	Filing Date
	Name of the Applicant		
	Title of the Invention		
	NIL		
6.	<b>PARTICULARS FOR FILING PATENT COOPERATION TREATY(PCT) NATIONAL PHASE APPLICATION</b>		
	International application number		International filing date as allotted by the receiving office
	NIL		
7.	<b>PARTICULARS FOR FILING DIVISIONAL APPLICATION</b>		
	Original(Hist)application number		Date of filing of Original (first)application
	NOT APPLICABLE		
8.	<b>PARTICULARS FOR FILING PATENT OF ADDITION</b>		
	Main application/patent Number		Date of filing of main application
	NOT APPLICABLE		
9	<b>DECLARATION:</b>		



6. DATE AND SIGNATURE ( to be given at the end of last page of specification )

(a) Date : 12-8-2019

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

: Dr. N.S. Nithya

Mr. S. Vadivel

Dr. E. Baby Anitha

Mr. G. Nagarajan

(c) Name(s)



From

Dr. N.S. Nithya,  
Associate Professor / CSE  
K.S.R. College of Engineering,  
Tiruchengode 637 215.

To

The Principal,  
K.S.R. College of Engineering,  
Tiruchengode 637 215.

Respected Sir,

Sub.: Requisition to grant the application fees for filed patent Reg.

I have filed a patent in the title "A Smart Intelligent Bio Degradable Waste Extractor".

I request you to sanction the amount of Rs. 880/- (Rupees Eight hundred and eighty only) towards the application fees for the same.

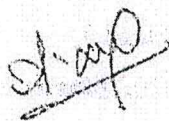
Thanking you,

Place: Tiruchengode

Date 25/03/2019

Yours Faithfully,

N.S. Nithya



**Dr. P. Senthil Kumar, M.E., Ph.D., (IITM),**  
**PRINCIPAL,**  
**K. S. R. COLLEGE OF ENGINEERING,**  
**K. S. R. KALVI NAGAR,**  
**TIRUCHENGODE-637 215,**  
**NAMAKKAL DI, TAMIL NADU,**

# K.S.R. COLLEGE OF ENGINEERING,

K.S.R. Kalvi Nagar, TIRUCHENGODE - 637 215.

## CASH/CHEQUE PAYMENT VOUCHER

Vr. No.....

Date...12/3/2019

Debit.....

Pay to. Dr. N.S. Nithya a sum of Rs. 880

Rupees. Eight hundred and eighty Rupees  
only

towards. Intellectual Property Rights (IPR)

No..... Dated..... by Cash/Cheque/DD

N.S. Nithya  
Prepared by

✓  
Cashier

pr  
Passed by

✓  
A.O.

Received as above

N.S. Nithya  
Payee's Signature

pr  
Dr. P. Senthil Kumar, M.E., Ph.D., (IITM),  
PRINCIPAL,  
K. S. R. COLLEGE OF ENGINEERING,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE - 637 215,  
NAMAKKAL Dt, TAMIL NADU.



13-10-19

<b>FORM1</b> <b>THE PATENTS ACT 1970 (39 of 1970)</b> <b>&amp;</b> <b>THE PATENTS RULES, 2003 APPLICATION FOR</b> <b>GRANT OF PATENT</b> <b>[See section 7, 54 &amp; 135 and rule 20(1)]</b>			<b>(FOR OFFICE USE ONLY).</b> Application No: Filing Date: Amount of Fee Paid: CBR No: Signature:
<b>APPLICANT(S)</b>			
	<b>Name</b>	<b>Nationality</b>	<b>Address</b>
1.	Dr. N.S. Nithya	INDIAN	172-B, Sakthi Nagar, 7 <sup>th</sup> cross, Thindal post, Erode-638012. Mail.id- sachinnithya2@gmail.com Mobile No. -9095806689
	Mr. S. Prabhakaran	INDIAN	65, Raja Nagar, 7 <sup>th</sup> Cross, Ramanoor, Karur-639004 Mail :id-sugirpraba@gmail.com Mobile:9965029552
<b>INVENTOR(S)</b>			
	<b>Name</b>	<b>Nationality</b>	<b>Address</b>
2.	Dr. N.S. Nithya	INDIAN	172-B, Sakthi Nagar, 7 <sup>th</sup> cross, Thindal post, Erode-638012. Mail.id- sachinnithya2@gmail.com Mobile No. -9095806689
	Mr. S. Prabhakaran	INDIAN	65, Raja Nagar, 7 <sup>th</sup> Cross, Ramanoor, Karur-639004 Mail :id-sugirpraba@gmail.com Mobile:9965029552
3.	<b>TITLE OF THE INVENTION</b> <b>"A SMART INTELLIGENT BIO DEGRADABLE WASTE EXTRACTOR"</b>		
4.	<b>ADDRESS FOR CORRESPONDENCE OF</b> <b>APPLICANT /AUTHORISED AGENT IN INDIA</b>		
	Dr. N.S. Nithya 172-B, Sakthi Nagar, Erode-638012.		Mail.id-sachinnithya2@gmail.com Mobile No. -9095806689
	Mr. S. Prabhakaran 65, Raja Nagar,		Mail :id-sugirpraba@gmail.com Mobile:9965029552



**FORM 2**  
**THE PATENT ACT 1970**  
**(39 OF 1970 )**  
**&**  
**THE PATENTS RULES, 2003**  
**PROVISIONAL/COMPLETE SPECIFICATION**  
**( See section 10 and rule 13 )**

**1. TITLE OF THE INVENTION**  
**A SMART INTELLIGENT BIO DEGRADABLE WASTE EXTRACTOR**

**2. APPLICANT(S)**

2a.	(a) Name	: Dr.N.S.Nithya
	(b) Nationality	: INDIAN
	(c) Address	: 172-B , Sakthi Nagar, 7 <sup>th</sup> cross, Thindal post, Erode-638012. Email:sachinnithya2@gmail.com Mobile no: 9095806689.
2b.	(a) Name	: Mr.S.Prabakaran
	(b) Nationality	: INDIAN
	(c) Address	: 65,Raja Nagar, 7 <sup>th</sup> Cross,Ramanoor, Karur-639004 Mail :id-sugirpraba@gmail.com Mobile No:9965029552

**3. PREAMBLE TO THE DESCRIPTION: PROVISIONAL**

The following is the invention.



Following are the attachments with the application:

- (a) Provisional specification / Complete specification  
(b) Complete specification (in conformation with the international application) / as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies), No. of pages \_\_\_\_\_, No. of claims \_\_\_\_\_  
(c) Drawings (in conformation with the international application) / as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies), No. of sheets \_\_\_\_\_

- (d) Priority documents  
(e) Translation of priority document/Specification/International Search Report  
(f) Statement and undertaking on Form 3  
(g) Power of Authority  
(h) Declaration of inventor ship on Form 5  
(i) Sequence listing in electronic form

(j) ..... Fee Rs 1760 (One thousand seven hundred sixty only) in Cash/Cheque/Bank Draft bearing no" 964812

Date Lakshmi Vilas Bank. 07 12/03/2019.

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

Dated this 12<sup>th</sup> day of March 2019

Signature: -

1. N.S. Nithya

2. B. J.

3. A. R.

4. Nagarajan

Name:

1. Dr. N.S. Nithya

2. Mr. S. Vadivel

3. Dr. E. Baby Anitha

4. Mr. G. Nagarajan

To,

The Controller of Patents

The Patent Office, at Chennai

G.S.T. Road, Guindy, Chennai - 600 032

Tel No. (091)(044) 22502081-84 Fax No. 044 22502066

001012 123 123



From

Dr. V. Sharmila,  
Associate Professor / CSE  
K.S.R. College of Engineering,  
Tiruchengode 637 215.

To

The Principal,  
K.S.R. College of Engineering,  
Tiruchengode - 637 215.

Respected Sir,

**Sub.: Requisition to grant the application fees for filed patent Reg.**

I have filed a patent in the title "Intelligent Secure and safety system for the welfare of the women society".

I request you to sanction the amount of Rs. 440/- (Rupees Four hundred and forty only) towards the application fees for the same.

Thanking you,

Place: Tiruchengode

Date: 10/06/2019

Yours Faithfully,

  
**Dr. P. Senthil Kumar, M.E., Ph.D., (ITM),**  
**PRINCIPAL,**  
**K. S. R. COLLEGE OF ENGINEERING,**  
**K. S. R. KALVI NAGAR,**  
**TIRUCHENGODE-637 215,**  
**NAMAKKAL Dt, TAMIL NADU.**

# K.S.R. COLLEGE OF ENGINEERING,

K.S.R. Kalvi Nagar, TIRUCHENGODE - 637 215.

## CASH/CHEQUE PAYMENT VOUCHER

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towards Intellectual Property Rights (IPR)

No..... Dated.....



Prepared by



Cashier



Passed by




A.O.

Received as above



Payee's Signature

  
**Dr. P. Senthil Kumar, M.E., Ph.D., (ITM),**  
PRINCIPAL,  
K. S. R. COLLEGE OF ENGINEERING,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE-637 215,  
NAMAKKAL DI, TAMIL NADU.



CHALLAN : TR-5  
DOCKET NO:47380

Date/Time : 06/06/2019

To,  
Dr. J. PREETHA PROFESSOR

Agent Number:

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, MUTHAYAMMAL ENGINEERING COLLEGE,  
RASIPURAM-637 408, NAMAKKAL (DT), TAMILNADU, INDIA. [psqpreetha@gmail.com](mailto:psqpreetha@gmail.com)

Sr. No.	CBR No.	Reference Number /Application Type	Application Number	Title/Remarks	Amount Paid
1	16096	ORDINARY APPLICATION	201941022431	INTELLIGENT SECURE AND SAFETY SYSTEM FOR THE WELFARE OF THE WOMEN SOCIETY	1750
2		E-2/1791/2019-CHE	201941022431	Form2	0
3		E-3/15664/2019-CHE	201941022431	Form3	0
4	16096	E-Misc/83/2019-CHE	201941022431	EXCESS FEE FOR NEW APPLICATION	10
Total :					1760

Received a sum of Rs. 1760 (Rupees One Thousand Seven Hundred & Sixty only) through

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount In Rs
Draft	Lakshmi Vilas Bank	964459	30/05/2019	1760

From

Dr.S.Ramesh, Prof.& Head/EEE  
V.Ravi, Prof./EEE  
Dr.R.Sankarganesh, ASP/EEE  
Dr.M.Ramasamy, ASP/EEE  
K.S.R. College of Engineering,  
Tiruchengode – 637 215.

To

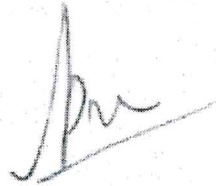
The Principal,  
K.S.R. College of Engineering,  
Tiruchengode – 637 215.

Respected Sir,

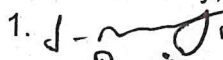



Sub.: Requisition to grant the application fees to file a patent - Reg.,

We would like to file a patent in the title "Wireless Vehicle Movement and density monitoring with substitute route Suggestion". We request you to grant the permission to file above said patent. We also request you to sanction the amount of Rs. 1500 /- (Rupees one thousand five hundred only) toward the application fees for the same.

Thanking You





Yours faithfully,

1.  11/2/19
2. 
3. 
4. 

Date: 11.02.2019

Place: Tiruchengode

Submitted to the Principal  
 11/2/19



**Dr. P. Senthil Kumar, M.E., Ph.D. (ITM),**  
PRINCIPAL,  
K. S. R. COLLEGE OF ENGINEERING,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE-637 215,  
NAMAKKAL Dt, TAMIL NADU.



# K.S.R. COLLEGE OF ENGINEERING,

K.S.R. Kalvi Nagar, TIRUCHENGODE - 637 215.

## CASH/CHEQUE PAYMENT VOUCHER

Vr. No.....

Date. 15/02/2019

Debit.....


Pay to V. Ravi a sum of Rs. 1500/-

Rupees One thousand and five hundred rupees only

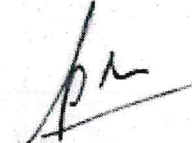
towards Application fees for Patent filed on 07/02/2019


.....by Cash/Cheque/DD-

No.....Dated.....

  
Prepared by

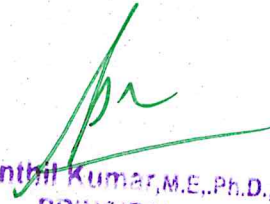
  
Cashier

  
Passed by

  
A.O.

Received as above

  
Payee's Signature

  
Dr. P. Senthil Kumar, M.E., Ph.D., (IITM),  
PRINCIPAL,  
K. S. R. COLLEGE OF ENGINEERING,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE-637 215,  
NAMAKKAL Dt, TAMIL NADU.

From

Dr.G.Singaravel  
Professor & Head  
K.S.R. College of Engineering,  
Tiruchengode – 637 215.

To

The Principal,  
K.S.R. College of Engineering,  
Tiruchengode – 637 215.

Respected Sir,

Sub.: Requisition to grant the application fees for patent filing- Reg.,

I would like to file a patent in the entitled "Attendance and Assessment Record of K.S.R College of Engineering". I request you to grant the permission to file above said patent. I also request you to sanction the amount of Rs. 500 /- (Rupees five hundred Only) toward the application fees for the same.

Thanking You,

Yours faithfully,

G. S. 6/8/2018

Date: 6/8/18

Place: Tiruchengode

Submitted  
to  
Principal  
G. S. 6/8/2018  
HOD-IT

  
**Dr. P. Senthil Kumar, M.E., Ph.D., (ITM),**  
**PRINCIPAL,**  
**K. S. R. COLLEGE OF ENGINEERING,**  
**K. S. R. KALVI NAGAR,**  
**TIRUCHENGODE-637 215,**  
**NAMAKKAL Dt, TAMIL NADU,**



# K.S.R. COLLEGE OF ENGINEERING,

K.S.R. KALVI NAGAR, TIRUCHENGODE - 637 215.

**CASH/CHEQUE PAYMENT VOUCHER**

No. ....

Date 8/8/18

Detail .....

Pay to Dr. G. Singaravel a sum of Rs. 500

in words Five Hundred only

towards Application fees for Patent filed on 4/8/18

No. .... Dated ..... by Cash/Cheque/DD

Submitted to  
Principal


Received as above

Prepared by G. R. [Signature]  
[Signature] Auditor

For  
[Signature]  
Passed by

✓  
A.O.

[Signature]  
Payee's Signature

  
Dr. P. Senthil Kumar, M.E., Ph.D., (IITM),  
PRINCIPAL,  
K. S. R. COLLEGE OF ENGINEERING,  
K. S. R. KALVI NAGAR  
TIRUCHENGODE-637 215,  
NAMAKKAL Dt, TAMIL NADU.

# Extracts from the Register of Copyrights

Dated : 10/09/2018

1. Registration Number	L-77899/2018
2. Name, address and nationality of the applicant	S MAGIBALAN , ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE ,-637215 INDIAN P SENTHILKUMAR , K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE-637215 INDIAN G SINGARAVEL , PROFESSOR AND HEAD, DEPARTMENT OF INFORMATION TECH., K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE-637215 INDIAN M PRABU , ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENG., K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE-637215 INDIAN K SELVARAJ , ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENG., K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE-637215 INDIAN
3. Nature of the applicant's interest in the copyright of the work	OWNER
4. Class and description of the work	LITERARY/ DRAMATIC WORK
5. Title of the work	ATTENDANCE AND ASSESSMENT RECORD OF K.S.R COLLEGE OF ENGINEERING
6. Language of the work	ENGLISH
7. Name, address and nationality of the author and if the author is deceased, date of his decease	S MAGI BALAN , ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE-637215 INDIAN P SENTHILKUMAR , PRINCIPAL, K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE-637215 INDIAN G SINGARAVEL , PROFESSOR AND HEAD, DEPARTMENT OF INFORMATION TECHNOLOGY, K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE-637215 INDIAN K SELVARAJ , ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE-637215 INDIAN M PRABHU , ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING , K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE-637215 INDIAN
8. Whether the work is published or unpublished	UNPUBLISHED
9. Year and country of first publication and name, address and nationality of the publisher	N.A
10. Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	N.A
11. Names, addresses and nationalities of the owners of various copies comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	S MAGIBALAN , ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE ,-637215 INDIAN P SENTHILKUMAR , K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE-637215 INDIAN G SINGARAVEL , PROFESSOR AND HEAD, DEPARTMENT OF INFORMATION TECH., K.S.R COLLEGE OF ENGINEERING, TIRUCHENGODE-637215 INDIAN



From

S.Neelamegan,  
Assistant Professor,  
Department of Automobile Engineering,  
K.S.R. College of Engineering,  
Tiruchengode - 637215.

To

The Principal,  
K.S.R. College of Engineering,  
Tiruchengode - 637215.

Respected Sir,

Sub: Requisition for grant the application fees for filed patent- Reg.

I have filed a patent in the tittle "Two stroke spark ignition free piston engine with gas spring coupled with wound spring as rebound device"

I request you to sanction the amount of Rs 1790/-(rupees thousand seven hundred ninety only) toward the application fees for the same

Thanking you,

Your's faithfully

  
S.Neelamegan

R. 



Place: Tiruchengode

Date: 17.06.2019

  
**Dr. P. Senthil Kumar, M.E., Ph.D., (IITM),**  
**PRINCIPAL,**  
**K. S. R. COLLEGE OF ENGINEERING,**  
**K. S. R. KALVI NAGAR,**  
**TIRUCHENGODE-637 215,**  
**NAMAKKAL Dt, TAMIL NADU.**

# K.S.R. COLLEGE OF ENGINEERING,

K.S.R. Kalvi Nagar, TIRUCHENGODE - 637 215.

## CASH/CHEQUE PAYMENT VOUCHER

Vr. No.....

Date 21.6.2019

Debit.....

Pay to S. Neelamegan a sum of Rs 1790/-

Rupees one thousand seven hundred ninety  
only

towards Patent


.....by Cash/Cheque/DD

No..... Dated.....

Received as above


  
Prepared by

  
Cashier

  
Passed by

  
A.O.

  
Payee's Signature

  
Dr. P. Senthil Kumar, M.E., Ph.D., (ITM),  
PRINCIPAL,  
K. S. R. COLLEGE OF ENGINEERING,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE-637 215,  
NAMAKKAL Dt, TAMIL NADU.



3/26/2019

Gmail - CBR



Neela Megam &lt;megamgct@gmail.com&gt;

CBR

1 message

RECS CHENNAI &lt;recschennai.ipo@nic.in&gt;

To: megamgct@gmail.com

Fri, Jun 14, 2019 at 1:51 PM

PATENT OFFICE  
INTELLECTUAL PROPERTY BUILDING  
G.S.T. Road, Guindy, Chennai-600032  
Tel No. (091)(044) 22502081-84 Fax No. 044 22502066  
E-mail : Chennai-patent@nic.in  
Web Site : www.ipindia.gov.in



सत्यमेव जयते  
GOVERNMENT OF INDIA



INTELLECTUAL  
PROPERTY INDIA  
PATENTS DESIGNS TRADE MARKS  
GEOGRAPHICAL INDICATIONS

CHALLAN : TR-5  
CKET NO:49470

Date/Time : 13/06/2019

To:  
NEELAMEGAN S

Agent Number:

ASSISTANT PROFESSOR, AUTOMOBILE ENGINEERING DEPARTMENT, K.S.R. COLLEGE OF ENGINEERING, TRICHENGODE - 637 215, TAMILNADU.  
megamgct@gmail.com

Sr. No.	CBR No.	Reference Number /Application Type	Application Number	Title/Remarks	Amount Paid
1	18929	ORDINARY APPLICATION	201941023464	TWO STROKE SPARK IGNITION FREE PISTON ENGINE WITH GAS SPRING COUPLED WITH WOUND SPRING AS REBOUND	1750
2		E-101/16174/2019-CHE	201941023464	Correspondence	0
3		E-2/1875/2019-CHE	201941023464	Form2	0
4	18929	E-Misc/87/2019-CHE	201941023464	EXCESS FEE FOR NEW APPLICATION	10
Total :					1760

Received a sum of Rs. 1760 (Rupees One Thousand Seven Hundred &amp; Sixty only) through

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Draft	Lakshmi Vilas Bank	962244	11/06/2019	1760

Note: This is electronically generated receipt hence no signature required

From

Dr.S.Karthikeyan  
Professor/ECE,  
K.S.R. College of Engineering,  
Tiruchengode -637 215.

To

The Principal,  
K.S.R. College of Engineering,  
Tiruchengode -637 215.

Respected Sir,

Sub.: Requisition to grant the application fees to file a patent- Reg.,

As I would like to file a patent in the title "A Wheezing Detecting Device". I request you to grant the permission to file above said patent. I also request you to sanction the amount of Rs. 1600/- (Rupees One Thousand Two Hundred Only) toward the application fees for the same.

Thanking You,



Yours faithfully,




(Dr.S.Karthikeyan)

Date: 12.10.2018

Place: Tiruchengode

Submitted to the Principal



**Dr. P. Senthil Kumar, M.E., Ph.D., (IITM),**  
**PRINCIPAL,**  
**K. S. R. COLLEGE OF ENGINEERING,**  
**K. S. R. KALVI NAGAR,**  
**TIRUCHENGODE-637 215,**  
**NAMAKKAL Dt, TAMIL NADU,**



# K.S.R. COLLEGE OF ENGINEERING,

K.S.R. Kalvi Nagar, TIRUCHENGODE - 637 215.

CASH/CHEQUE PAYMENT VOUCHER

Vr. No. ....

Date. 23.8.21

Debit. ....

Pay to Dr. S. Karthikeyan a sum of Rs. 1600/2

Rupees One thousand six hundred only

towards Application fee for patent filed on 18.8.21

by Cash/Cheque/DD

No. .... Dated. ....

Received as above

Prepared by

Cashier

Passed by

A.O.

Payee's Signature

Dr. P. Senthil Kumar, M.E., Ph.D., (IITM),  
PRINCIPAL,  
K. S. R. COLLEGE OF ENGINEERING,  
K. S. R. KALVI NAGAR  
TIRUCHENGODE-637 215  
NAMAKKAL Dt, TAMIL NADU.

(12) PATENT APPLICATION PUBLICATION  
(19) INDIA

(21) Application No.201841036882 A

(22) Date of filing of Application :28/09/2018

(43) Publication Date : 12/10/2018

(54) Title of the invention : A WHEEZING DETECTING DEVICE

(51) International classification	:A61B5/08; A61B7/04	(71)Name of Applicant : 1)ALLINNOV RESEARCH AND DEVELOPMENT PRIVATE LIMITED Address of Applicant :D. NO.: 29B, Bairappa Colony, Krishnagiri - 635001, Tamil Nadu, India Tamil Nadu India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Dr.R. ARANGASAMY 2)Dr.KARTHIKEYAN S 3)Dr.S.KAVITHA 4)Dr. POONGODI SUBRAMANIAN 5)DR. P. PERIYASAMY 6)Dr. R. VELUMANI 7)Dr.M.RAMASAMY 8)Dr.V.ARTHI 9)RAJA G V 10)Dr.B.P UPENDRA ROY 11)ANBARASU M
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(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	

(57) Abstract :

According to present invention, there is provided a device for detection of wheezing in a patient, wherein said device comprises of a display unit for indicating parameters of wheezing; a power source; a breathing sound detection unit configured to detect a breathing sound of a measurement subject and acquire a breathing sound signal in a time series expressing the breathing sound; tubes and wires for sending signals from sensing section to a processing chamber; wherein said processing chamber can process and detect the parameters of wheezing to be displayed on the display unit.

No. of Pages : 20 No. of Claims : 7



2018-19. (1)

From

Dr. T. Sureshkumar,  
Associate Professor/Mech,  
K.S.R. College of Engineering,  
Tiruchengode – 637 215.

To

The Principal,  
K.S.R. College of Engineering,  
Tiruchengode – 637 215.

Respected Sir,

Sub.: Requisition to grant the application fees to file a patent – Reg.,

As we would like to file a patent in the title of “Mechanical Property of Palmyra palm fiber composite”. We request you to grant the permission to file above said patent. We also request you to sanction the amount of RS.1790/- (one thousand seven hundred ninety only) towards the application fees for the same.

Thanking You,



Yours faithfully,



Date: 01.04.2019

Place : Tiruchengode



**Dr. P. Senthil Kumar, M.E., Ph.D., (IITM),**  
**PRINCIPAL,**  
**K. S. R. COLLEGE OF ENGINEERING,**  
**K. S. R. KALVI NAGAR,**  
**TIRUCHENGODE-637 215,**  
**NAMAKKAL DISTRICT, TAMIL NADU**

2015-19

# K.S.R. COLLEGE OF ENGINEERING,

K.S.R. Kalvi Nagar, TIRUCHENGODE - 637 215.

## CASH/CHEQUE PAYMENT VOUCHER

Vr. No.....

Date..15-04-2019

Debit.....

Pay to...Dr. S. SURESH Kumar / AP/MECH a sum of Rs...1,790/-

Rupees One Thousand Seven hundred and ninety only

towards Application fees for Patent filed on 01.04.2019

by Cash/Cheque/DD

No..... Dated.....

Received as above

PNL  
Prepared by

Cashier

PNL  
Passed by

A.O.

Payee's Signature

Dr. P. Senthil Kumar, M.E., Ph.D., (IITM),  
PRINCIPAL,  
K. S. R. COLLEGE OF ENGINEERING,  
K. S. R. KALVI NAGAR,  
TIRUCHENGODE-637 215,  
NAMAKKAL DI, TAMIL NADU.



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PATENT OFFICE  
INTELLECTUAL PROPERTY BUILDING  
G.S.T. Road, Guindy, Chennai-600032  
Tel No. (091)(044) 22502081-84 Fax No. 044 22502066  
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Web Site : www.ipindia.gov.in



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Date/Time : 15/04/2019

Agent Number:

CHALLAN : TR-5  
DOCKET NO:32856

To,  
DR. P. SENTHILKUMAR  
DEPARTMENT OF MECHANICAL ENGINEERING, K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE - 637  
215.

Sr. No.	CBR No.	Reference Number / Application Type	Application Number	Title/Remarks	Amount Paid
1	12096	ORDINARY APPLICATION	201941015033	MECHANICAL PROPERTIES OF PALMYRA FIBER COMPOSITE	1750
2		E-101/10301/2019-CHE	201941015033	Correspondence	0
3		E-2/1240/2019-CHE	201941015033	Form2	0
4	12096	E-Misc/50/2019-CHE	201941015033	EXCESS FEE FOR NEW APPLICATION	10
Total :					1760

Received a sum of Rs. 1760 (Rupees One Thousand Seven Hundred & Sixty only) through

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Draft	City Union Bank Ltd.	550024	30/03/2019	1760

Note: This is electronically generated receipt hence no signature required.

*[Handwritten signature]*