

विकास आयुक्त का कार्यालय  
(सूक्ष्म, लघु एवं मध्यम उद्योग)  
सूक्ष्म, लघु एवं मध्यम उद्योग निश्चालन  
(भारत सरकार)

निर्माण भवन, शास्त्री नगिर, मौलाना आज़ाद रोड,  
नई दिल्ली-110 108



OFFICE OF THE DEVELOPMENT COMMISSIONER  
(MICRO, SMALL & MEDIUM ENTERPRISES)  
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES  
GOVERNMENT OF INDIA

Nirman Bhawan, 7<sup>th</sup> Floor, Maulana Azad Road,  
New Delhi-110 108

Ph. EPAX-23063800, 23063802, 23063803, 23063804, 23063805 & 23063806

By E mail

DL: 30.06.2022

No. 17(2)/MSME Innovative/PMAC/2021-22

Subject: Minutes of 2<sup>nd</sup> PMAC Meeting of "MSME Innovative Scheme" a component under MSME Champions Scheme held on 22.06.2022 - reg.

I am directed to forward the Minutes of 2<sup>nd</sup> Project Monitoring and Advisory Committee (PMAC) Meeting of "MSME Innovative Scheme" a component under MSME Champions held on 22.06.2022 under the Chairmanship of AS&DC (MSME) for information and necessary action at your end.

  
(V. Ramakrishnan)  
Deputy Director

Encl.: As above

To

- 1) Additional Secretary, Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce & Industry, Room 258-A, Udyog Bhawan, New Delhi - 110011, Tele: 23062983, E-mail : [dawras@ias.nic.in](mailto:dawras@ias.nic.in)
- 2) Economic Advisor (IFW), Ministry of MSME, Udyog Bhawan, Ph: 011- 23063433, Email: [saurabh.sameera@gov.in](mailto:saurabh.sameera@gov.in)
- 3) Representative of DST, Department of Science & Technology, Technology Bhawan, Mehrauli Road, New Delhi-110 016 Ph: 011 - 26510068, Email: [dstsec@nic.in](mailto:dstsec@nic.in)
- 4) Shri. Shubhendu Kumar, Sr. Technical Director, NIC, O/o DC(MSME), Nirman Bhawan, New Delhi 110011 Ph. 011-23061158 Email: [shub@nic.in](mailto:shub@nic.in)
- 5) Dr. TV Prabhakar, Head, MSME Centre of Excellence IISC, CV Raman Rd, Bengaluru, 560012, Ph: 080-22932967, Email: [msmecoe.blr@gmail.com](mailto:msmecoe.blr@gmail.com) [office.msmece@iisc.ac.in](mailto:office.msmece@iisc.ac.in)
- 6) Dr. A. Bandyopadhyay, IIT, Kanpur: e-mail: [director@iitk.ac.in](mailto:director@iitk.ac.in),
- 7) Director General, CII, The Mantosh Sondhi Centre, 23, Institutional Area, Lodi Road, New Delhi - 110003, Ph: 011 - 24629995 . Email: [cb@ciil.in](mailto:cb@ciil.in)
- 8) Director General, FICCI Federation House Tansen Marg, New Delhi 110001  
E-mail: [ficci@ficci.com](mailto:ficci@ficci.com), [cmsme@ficci.com](mailto:cmsme@ficci.com)
- 9) One Member from each sector of Domain Expert Selection Committee (DESC) :  
(i) Prof. T K Bandyopadhyay, IIT-Kharagpur, [tapas@rgsoipl.iitkgp.ac.in](mailto:tapas@rgsoipl.iitkgp.ac.in)- Power Sector.  
(ii) Dr. D satyanath, NIN, [punedsathyanath@gmail.com](mailto:punedsathyanath@gmail.com) -Health Sector  
(iii) Dr. D. Ramesh Professor, Agri- Engineering, [bioenergy@tnau.ac.in](mailto:bioenergy@tnau.ac.in) - Agriculture Sector  
(iv) Prof. V. V. Goud, IITGuwahati, [incharge@iitg.ac.in](mailto:incharge@iitg.ac.in); [vvgoud@iitg.ac.in](mailto:vvgoud@iitg.ac.in); -Service Sector  
(v) Shri Vineet Tomar, Technical Director / Scientist - E, [vineet.tomar@nic.in](mailto:vineet.tomar@nic.in), Misc Sector

Copy To:

- 1) PPS to AS&DC (MSME), Email : [shailesh.singh@gov.in](mailto:shailesh.singh@gov.in) ; [dcmsme@gov.in](mailto:dcmsme@gov.in)
- 2) PS to JS (AFI), Ministry of MSME, Udyog Bhawan, New Delhi. Email: [js.afi-msme@gov.in](mailto:js.afi-msme@gov.in),  
[ateesh.singh@nic.in](mailto:ateesh.singh@nic.in)
- 3) PS to DDG (DPS), O/o DC (MSME); E-mail: [dprasad.s@nic.in](mailto:dprasad.s@nic.in)
- 4) PS to JDC (Shri Bharat Prakash), O/o DC(MSME), MoMSME; Mail: [bharat.prakash@gov.in](mailto:bharat.prakash@gov.in)
- 5) Director (T&P), Ministry of MSME, Udyog Bhawan, New Delhi. Email E-mail: [yinamra.mishra@gov.in](mailto:yinamra.mishra@gov.in)



தமிழ்நாடு தமிழ்நாடு TAMIL NADU

27AA 108378

M. KUMARASAMY COLLEGE OF  
ENGINEERING,  
THALAVAPALAYAM,  
KARUR-639113.  
Phone: 04324 - 270755, 272155

M. Ravi  
M. RAVICHANDRAN  
S.V. ROAD, B. SARAI,  
KARUR-5,  
TAMIL NADU  
7949  
24.9.22  
RVC

Agreement between Host Institute (HI) to act as Business Incubator (BI) and Incubatee under Incubation Component of MSME Innovative Scheme (Incubation, Design & IPR) of MSME Champions Scheme

This agreement is made on this 2<sup>nd</sup>(Second) day of September(Month) 2022.

BETWEEN

M.Kumarasamy College of Engineering, Thalavapalayam, Karur-639113, Tamil Nadu, India (hereinafter referred to **Host Institute (HI)** to act as **Business Incubator (BI)**, the expression which unless repugnant to context shall be deemed to include its successors, administrators and executors ) of the FIRST PART.

V. V. Thirugan

AND

THULASIMANI V V, III Year Student, Computer Science and Engineering, M.Kumarasamy College of Engineering, Thalavapalayam, Karur-639113, Tamil Nadu, India (hereinafter referred to as INUCBATEE, the expression which unless repugnant to context shall be deemed to include its successors, administrators and executors) of the SECOND PART.

## 1.0 PREAMBLE

WHEREAS, **Host Institute (HI) to act as Business Incubator (BI)**, has been incorporated for nucleating and promoting business enterprises for the benefit of the society and has been entrusted with the task of providing various supporting facilities/resources for the benefit of entrepreneurs/entrepreneurial ventures by the M.Kumarasamy College of Engineering, (hereinafter referred to as HI)

WHEREAS, the **Host Institute (HI) act as Business Incubator (BI)**, has been approved by the Government for participation and funding support under the scheme for **Incubation Component of MSME Innovative Scheme( Incubation, Design & IPR) of MSME Champions Scheme** (hereinafter referred to as the SCHEME)

WHEREAS, the INCUBATEE has applied for support for nurturing and development of Idea (hereinafter referred to as the IDEA/PROJECT) from the **Host Institute (HI) act as Business Incubator (BI)**, under the SCHEME,

WHEREAS the **Host Institute (HI) to act as Business Incubator (BI)**, has reviewed the PROJECT proposal and recommended the PROJECT for incubation under the SCHEME on such terms and conditions mentioned hereinafter.

It is now agreed by and between the parties as follows:

## 2.0 RESPONSIBILITIES OF THE **Host Institute (HI) to act as Business Incubator (BI)**,

2.1 The BI shall extend support to the Incubatee for the execution of the PROJECT to the extent agreed in the final PROJECT budget and financial sheet approved by the PMAC.



v.v. Thulasani

2.2 The support extended to the INCUBATEE could include approved activities as per guidelines of scheme and need for development of idea. **Host Institute (HI) to act as Business Incubator (BI)** shall not release GoI grant to Incubatee .

### 3.0 RESPONSIBILITIES OF THE INCUBATEE

3.1 The INCUBATEE shall work on the project and submit progress of the Idea/ project to the **Host Institute (HI) to act as Business Incubator (BI)**, on monthly basis.

3.2 The INCUBATEE shall contribute a minimum of 15% of the total project cost. In the event of failure of the INCUBATEE meeting this requirement, the **Host Institute (HI) act as Business Incubator (BI)**, shall be free to withdraw its support. In case of the Student, incubatee share may be treated NIL.

### 4.0 GENERAL

4.1 Both parties can terminate this agreement at any point by giving one month advanced notice of their termination to the other party after a period of 365 days from the date of this agreement.

4.2 Termination of this agreement subject to settlement of claims against each other will mean that both parties will be absolved of the responsibilities from the date of termination.

4.3 The parties shall endeavor to resolve any dispute relating to the rights, duties, terms and conditions contained in this agreement by mutual negotiations in good faith. However if the dispute remains un-resolved, the arbitration of such disputes would be referred to O/o DC MSME whose verdict would be final and binding.

4.4 Neither party shall be held responsible for non-fulfillment of their respective obligations under this agreement due to the exigency of one or more of the force majeure events but not limited to acts of God, war, flood, earthquake, strike, lockout, epidemics, riots, civil commotion, etc. provided on the occurrence and cessation of any such events, the party affected thereby shall give a notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall then mutually decide about the future course of action.



v.v. Thulayini

In witness thereof the parties have caused their authorized representatives to sign this agreement on the date mentioned herein above.

Signed on this 2<sup>nd</sup>(Second) day of September(Month) 2022.

For & on behalf of the Host  
Institution/Business Incubator

Name: **Dr.N.Ramesh Babu**

Designation: *Principal*

Postal Address:  
M.Kumarasamy College of Engineering,  
Thalavapalayam,  
Karur - 639113. Tamil Nadu.

Phone number:04324 272155, 270755

Email address: [principal@mkce.ac.in](mailto:principal@mkce.ac.in)

For & on behalf of the INCUBATEE

Name: **THULASIMANI V V**

Designation: *III Year Student*

Postal Address:  
M.Kumarasamy College of Engineering,  
Thalavapalayam,  
Karur - 639113. Tamil Nadu.

Phone number:7904396353

Email address:[thulasimanivvt@gmail.com](mailto:thulasimanivvt@gmail.com)



## EXPENDITURE - PROPOSED

<b>S. No.</b>	<b>Description</b>	<b>Expected Expenditure</b>
1	The cost of purchase of raw materials	5,53,000/-
2	The cost of contingencies	1,81,000/-
3	Product development cost	6,40,000/-
4	Other expenditure	1,76,000/-
<b>Total</b>		<b>15,50,000/-</b>

6/16/22, 7:54 PM

The Electronic Project Proposal Management System, For SERB

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)  
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)

Science and Engineering Research Board  
3rd & 4th Floor, Block II  
Technology Bhavan, New Mehrauli Road  
New Delhi - 110016

**Assistance to Professional Bodies and Seminar Symposia**

**File Number: SSY/2022/000180**

**Dated: 16-Jun-2022**

Subject: Application titled "Second International Conference on Signal Processing and Communication Systems"

Dear Dr. PALANIVELRAJAN SELVAKUMARAN,

It is to inform you that your proposal seeking for financial assistance under "Assistance to Professional Bodies & Seminar / Symposia Scheme" has been considered and recommended for the same. We are now agreed to provide **Rs.437350** to meet the expenses related to TA/DA to Young and Senior Indian Scientists and Pre-Conference printing as partial grant-in-aid to the recommended application.

The grant is only for "Second International Conference on Signal Processing and Communication Systems" Dated: 05-Oct-2022 to 05-Oct-2022

~~Kindly submit the required document/ RTGS within 15 days of the receipt of this letter in order to enable us to process the file for the release of funds. In~~  
case, we do not receive the requested document within the provided time, it would be presumed that you are not interested in this offer and it would be stand withdrawn automatically. No further correspondence will be entertained thereafter.

Kindly note that, no separate communication by post would be sent to you in this regard and without prior approval from SERB, convener cannot change the event date, it may not be acceptable.

With kind regards,  
(Dr. Sukumar Dey)  
Scientist C  
Ph:

Email: seminar.symposia@serb.gov.in

Dr. PALANIVELRAJAN SELVAKUMARAN  
Electronics And Communication Engineering  
M. Kumarasamy College Of Engineering , Thalavapalayam, Karur, Karur, Tamil Nadu-639113

FILE NO. CRG/2022/008526

**SCIENCE & ENGINEERING RESEARCH BOARD(SERB)**

(A statutory body of the Department of Science &amp; Technology, Government of India)

Science and Engineering Research Board  
3rd & 4th Floor, Block II  
Technology Bhavan, New Mehrauli Road  
New Delhi - 110016

Dated: 14 March, 2023

**ORDER**

Subject: Financial Sanction of the research project titled **Diagnosing lncRNA Gene Signature to prevent Recurrence Cervical Cancer deploying Recurrent Neural Network** under the guidance of Dr. Geeitha S, Information Technology, M. Kumarasamy College of Engineering , Thalavapalayam, Karur, Karur, Tamil nadu- 639113 - Release of 1st grant.

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned project at a total cost of **Rs. 1307350/- (Rs. Thirteen Lakh Seven Thousand Three Hundred and Fifty Only)** with break-up of **Rs. 42500/- under Capital (Non-recurring) head** and **Rs.1264850/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 1307350/-** has been approved are given below:

The following budget may be considered for **M. Kumarasamy College Of Engineering, Thalavapalayam, Karur**

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> HP- Laptop	42500
A'	Total (Non-Recurring)	<b>42500</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - I : (Research Personnel) Recurring - II : ( Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	900000 186000 60000
2	Recurring - IV : (Overhead Charges)	118850
B'	Total (Recurring)	<b>1264850</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>1307350</b>

2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in)).

3. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

4. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

5. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.

6. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

7. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.



8. The institute will furnish to the SERB, separate Utilization certificate (UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.
9. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.
10. The research personnel sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project.
11. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.
12. The project File no. CRG/2022/008526 should be mentioned in all communications arising from the above project. The organization/institute/university should ensure that the technical support/financial assistance provided to them by SERB should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.
13. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by SERB.
14. Sanction order for release of funds under a) Non-recurring and b) Recurring will be issued separately depending on the availability of funds. The project become operational from the day the first release of grant received by the implementing Institute.



(Dr. Anima Johari)

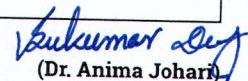
Scientist D

anima.johari@serb.gov.in

To,  
Under Secretary  
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	<p><b>Dr. Geeitha S</b>  <b>Information Technology</b>  <b>M. Kumarasamy College of Engineering, Thalavapalayam, Karur, Karur, Tamil nadu-639113</b>  <b>Email: geethu.neelu@gmail.com</b>  <b>Mobile: 919360158968</b></p> <p>(Start date of the project may be intimated by name to the undersigned. For guidance, terms &amp; Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a>.)</p>
5.	<p><b>PRINCIPAL,</b>  <b>M. Kumarasamy College Of Engineering, Thalavapalayam, Karur</b></p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>



(Dr. Anima Johari)

Scientist D

anima.johari@serb.gov.in

FILE NO. CRG/2022/008526-G

**SCIENCE & ENGINEERING RESEARCH BOARD(SERB)**

(A statutory body of the Department of Science &amp; Technology, Government of India)

Science and Engineering Research Board

3rd &amp; 4th Floor, Block II

Technology Bhavan, New Mehrauli Road

New Delhi - 110016

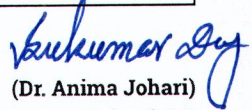
Dated: 14 March, 2023

**ORDER**

Subject: Research project entitled **Diagnosing InRNA Gene Signature to prevent Recurrence Cervical Cancer deploying Recurrent Neural Network** under the guidance of Dr. Geeitha S, Information Technology, M. Kumarasamy College of Engineering , Thalavapalayam, Karur, Karur, Tamil nadu-639113.

1. In continuation of SERB's sanction order No. CRG/2022/008526 dated 14 March, 2023, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs.100000/-** under 'Grants-in-aid General' to M. Kumarasamy College Of Engineering , Thalavapalayam, Karur, Karur, Tamil Nadu-639113 being the grant for the financial year 2022-2023 for implementation of the above said project.
2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website ([www.serb.gov.in](http://www.serb.gov.in)) and as mentioned in the sanction order of even number dated 14 March, 2023.
3. As this is the first grant being released under 'Grants-in-aid General' for the project, no previous U/C is required.
4. The expenditure involved is debit to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**PAC Electrical Electronics & Computer Engineering**) (General).
5. The Sanction has been issued with the approval of the competent authority on **17 February, 2023** and vide Diary No. **SERB/F/11440/2022-2023** dated **14 March, 2023**.
6. The release amount of **Rs. 100000/-** (Rupees One Lakh only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

<b>PFMS Unique Code</b>	TNKR00002527
<b>Account Name</b>	M. KUMARASAMY COLLEGE OF ENGINEERING
<b>Account Number</b>	123010100164436
<b>Bank Name &amp; Branch</b>	AXIS BANK KARUR NO.126 VP TOWERS KOVAI ROAD OPPOSITE AKC PETROL BUNK KARUR TAMILNADU-639002
<b>IFSC/RTGS Code</b>	UTIB0000123
<b>Email id of A/C Holder</b>	principal@mkce.ac.in
<b>Email id of PI</b>	geethu.neelu@gmail.com

  
(Dr. Anima Johari)

Scientist D

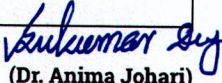
anima.johari@serb.gov.in

To,  
Under Secretary  
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB , New Delhi.
3.	File Copy

4.	<p><b>Dr. Geeitha S</b> <b>Information Technology</b> <b>M. Kumarasamy College of Engineering , Thalavapalayam, Karur, Karur, Tamil nadu-639113</b> <b>Email: geethu.neelu@gmail.com</b> <b>Mobile: 919360158968</b> (Start date of the project may be intimated by name to the undersigned. For guidance, terms &amp; Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a>.)</p>
5.	<p><b>PRINCIPAL,</b> <b>M. Kumarasamy College Of Engineering, Thalavapalayam, Karur</b>  (Receipt of Grant may be intimated by name to the undersigned)</p>

  
(Dr. Anima Johari)  
Scientist D  
anima.johari@serb.gov.in

FILE NO. CRG/2022/008526-C

**SCIENCE & ENGINEERING RESEARCH BOARD(SERB)**

(A statutory body of the Department of Science &amp; Technology, Government of India)

Science and Engineering Research Board  
3rd & 4th Floor, Block II  
Technology Bhavan, New Mehrauli Road  
New Delhi - 110016

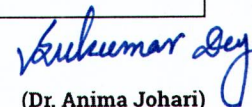
Dated: 14 March, 2023

**ORDER**

Subject: Research project entitled **Diagnosing InRNA Gene Signature to prevent Recurrence Cervical Cancer deploying Recurrent Neural Network** under the guidance of Dr. Geeitha S, Information Technology, M. Kumarasamy College of Engineering , Thalavapalayam, Karur, Karur, Tamil nadu-639113.

1. In continuation of SERB's sanction order No. CRG/2022/008526 dated 14 March, 2023, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 42500/-** under 'Grants-in-aid Capital' to M. Kumarasamy College Of Engineering , Thalavapalayam, Karur, Karur, Tamil Nadu-639113 being the grant for the financial year 2022-2023 for implementation of the above said project.
2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website ([www.serb.gov.in](http://www.serb.gov.in)) and as mentioned in the sanction order of even number dated 14 March, 2023.
3. As this is the first grant being released under 'Grants-in-aid Capital' for the project, no previous U/C is required.
4. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**PAC Electrical Electronics & Computer Engineering**) (Capital).
5. The Sanction has been issued with the approval of the competent authority on **17 February, 2023** and vide Diary No. **SERB/F/11439/2022-2023** dated **14 March, 2023**.
6. The release amount of **Rs. 42500/-** (Rupees Forty Two Thousand Five Hundred only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

<b>PFMS Unique Code</b>	TNKR00002527
<b>Account Name</b>	M. KUMARASAMY COLLEGE OF ENGINEERING
<b>Account Number</b>	123010100164436
<b>Bank Name &amp; Branch</b>	AXIS BANK KARUR NO.126 VP TOWERS KOVAI ROAD OPPOSITE AKC PETROL BUNK KARUR TAMILNADU-639002
<b>IFSC/RTGS Code</b>	UTIB0000123
<b>Email id of A/C Holder</b>	principal@mkce.ac.in
<b>Email id of PI</b>	geethu.neelu@gmail.com



**(Dr. Anima Johari)**

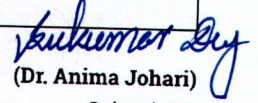
Scientist D

anima.johari@serb.gov.in

To,  
Under Secretary  
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
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3.	File Copy
4.	<b>Dr. Geeitha S</b> <b>Information Technology</b> <b>M. Kumarasamy College of Engineering , Thalavapalayam, Karur, Karur, Tamil nadu-639113</b> <b>Email: geethu.neelu@gmail.com</b> <b>Mobile: 919360158968</b> (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	<b>PRINCIPAL,</b> <b>M. Kumarasamy College Of Engineering, Thalavapalayam, Karur</b>  (Receipt of Grant may be intimated by name to the undersigned)



(Dr. Anima Johari)

Scientist D

[anima.johari@serb.gov.in](mailto:anima.johari@serb.gov.in)



தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்  
TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

(Established by Government of Tamilnadu)  
Directorate of Technical Education Campus, Chennai – 600 025.  
Ph : 044-22301428, [www.tnscst.nic.in](http://www.tnscst.nic.in)

Dr. R. SRINIVASAN, M.Sc., Ph.D., F.I.C.S., M.A.C.S.(USA),  
Member Secretary

03.03.2023

Lr.No.TNSCST/SPS/BS/2022-2023

To  
The Principal  
M Kumaraswamy college of engineering ,  
Thalavapalayam - 639 113

Sir/Madam,

Sub: TNSCST – Student Project Scheme – 2022-2023 – approval intimation–grant release- reg.

With respect to the above scheme, the list of projects approved by the State Council is enclosed along with terms and conditions. You are requested to adhere to terms and conditions such as submission of UC and Seminar Paper on Time.

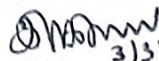
1.	Ms.A.Nithyasri, Assistant Professor, Department of Artificial Intelligence and Data Science, M Kumaraswamy college of Engineering , Karur-639 113	Smart Assis–ance Replica	Deepak Kumar.M, Karthikeyan.L, Jana.M.G,	CSE-882	The Principal	Rs 7500/-
2.	Ms.M.Sandhiya, Assistant Professor, Department of Civil Engineering, M.Kumarasamy College of Engineering, Karur-639 113	Lab Scale Design and Fabrication of Waste Water Recycling Unit and Biogas Generation from Waste Paper Sludge	M. Saran, M. Sudharsan,	ECV-250	The Principal	Rs 7000/-
3.	Mr.M.Dhivyanathan, Assistant Professor, Department of Mech. Engg, M.Kumarasamy College of Engineering, Karur-639 113	Springless car suspension using double helical gears	S. Manikandan, S. Prasanth,	EME-0416	The Principal	Rs 7500/-
4.	Mrs. J.Vidhya, Assistant Professor, Department of Physics, M.Kumarasamy College of Engineering, Karur-639 113	Perovskite Nanostructured Formamidinium Strontium Iodide Thin Films for Solar Cell Applications	Sowmia. K.S, Varshitha.G,	PS-233	The Principal	Rs 7500/-
5.	Dr.A.Syed Musthafa, Assistant Professor, Department of IT M.Kumarasamy College of Engineering, Karur-639 113	Virtually reality based surgery simulations	Sri Dharshini.K.R, Monisha.B, Sowmyya.N, Roshini.P	CSE-914	The Principal	Rs 7500/-
6.	Dr.K.Rajesh Kumar, Associate Professor & Head, Department of Management Studies,M.Kumarasamy College of Engineering, Karur-639 113	A study on the impact of mobile game addiction among teenagers in Karur town, Tamil Nadu	N. Deepak, G. Saranraj,	SS-282	The Principal	Rs 7500/-
Total						Rs 44500/-

Herewith enclosed the cheque for the approved grant and disburse the grant to the concerned students through the guides at the earliest

Kindly send the utilisation certificate (format enclosed) and seminar paper (Ref.T&C) on completion of the project.

Thanking you,

Yours faithfully,

  
313123  
Member Secretary.

Encl: a) Terms & Conditions (T&C)  
b) Format of Utilisation Certificate (UC)  
c) Cheque for Rs.44500/- Cheque No:574886 dt.03.03.2023  
Copy to: Individual Guides

**M.KUMARASAMY COLLEGE OF ENGINEERING**  
(Autonomous Institution affiliated to Anna University, Chennai)

**BONAFIDE CERTIFICATE**

Certified that this project report “SPRINGLESS CAR SUSPENSION USING DOUBLE HELICAL GEARS” is the bonafide work of “MANIKANDAN S (19BME4060)”- “PRASANTH S (19BME4089)” who carried out the project work during the academic year 2022-2023 under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



Signature  
Dr.M.MOHAN PRASAD M.E.,MBA.,PhD.

**HEAD OF THE DEPARTMENT,**

Associate Professor,

Department of Mechanical Engineering,  
M.Kumarasamy College of Engineering,  
Thalavapalayam, Karur-639113.



Signature  
Mr.M.DHIVYANATHAN M.E.,

**SUPERVISOR,**

Assistant Professor,

Department of Mechanical Engineering,  
M.Kumarasamy College of Engineering,  
Thalavapalayam, Karur-639113.

---

This project Report has been submitted for the End Semester Project viva  
voice Examination held on 12/4/23



**INTERNAL EXAMINER**



**EXTERNAL EXAMINER**

TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY  
DOTE CAMPUS, CHENNAI - 600 025

STUDENT PROJECT SCHEME 2022-2023  
UTILISATION CERTIFICATE

(TWO COPIES)

1. Name of the guide and address

M. Dhivyanathan  
Assistant Professor  
Department of Mechanical Engineering  
M. Kumarasamy College of Engineering  
Karur.

2. Name of the student(s)

Marikandas,  
Prasanth.S.

3. Title of the project

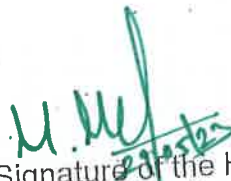
Spring less car suspension using  
double helical gears


4. Project code

EME-0416

It is certified that a sum of Rs. 7500 (Rupees SEVENTH THOUSAND AND FIVE HUNDRED RUPEES)  
sanctioned by the Council for carrying out above mentioned student project has been  
utilized for the purpose for which it was sanctioned and sum of Rs. 1000 .....  
remaining unutilized is refunded.

  
Signature of the Guide

  
Signature of the HOD  
**Head of The Department**  
Department of Mechanical Engineering  
M. Kumarasamy College of Engineering  
Karur - 639 113, Tamil Nadu.

  
Signature of the  
REGISTRAR / PRINCIPAL / DEAN  
with seal  
PRINCIPAL,  
M. Kumarasamy College of Engineering,  
THALAVAPALAYAM,  
KARUR - 639 113.





## COST ESTIMATION OF THE PROJECT

SL.NO	DISCRIPTION	COST Rs:
1	DC MOTOR	1000
2	BATTERY	1500
3	BEARING	200
4	FRAME	1500
5	SHAFT	300
6	METAL STRIP	200
7	HELICAL GEAR	1500
8	WHEEL	1200
9	TOTAL	7400





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