

Dr R Muthucumaraswamy PhD  
Dean (Research), Professor & Head  
Department of Applied Mathematics  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur 602117

8/12/2021

Through, **The Principal**

**Submitted to the Secretary**

Respected Professor,

**Sub: Intramural Research Project Grant- regarding**

This is to inform that, the office of Dean (Research) received multiple request from the members of the faculty regarding the seed money for in house research.

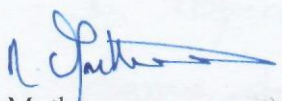
In this connection, we have decided to initiate the scheme titled "**Intramural Research Grant(IRG)**". The same awarded for every Academic year starting from 2022-2023.

I have enclosed the format and guideline of the same for your approval.

I request you to approve **Rs.3,00,000** from the financial year 2022-2023. (3 projects every year either on rotation basis or the deserving one). The duration of the project is two years. If the same approved then, the office of Dean(Research) will include in the budget from the Financial year 2022-2023.

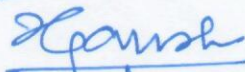
Thanking you


Sincerely yours

  
(R.Muthucumaraswamy)  
Dean (Research) 8/12/2021

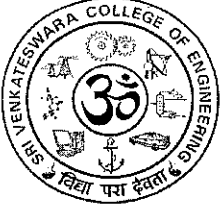
Dr. R.Muthucumaraswamy, Ph.D.,  
Dean (Research), Professor & Head  
Department of Applied Mathematics  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur-602117.

To: The Secretary  
Based on an approval given on 8/12/21, the request put forth by Dean R shall be considered for implementation.

  
3/2/22

Approved  
  
Feb 7, 2022

Included in the Budget 22-23.



Sri Venkateswara  
College of  
Engineering

Office of the Dean (Research)

March 9, 2022

Submitted to the Principal

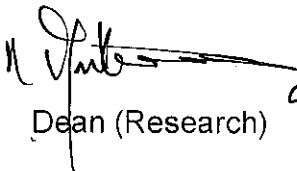
Dear Professor,

Applications were called for Intramural Research Grant (IRG) Project funding. We have received 22 projects proposals from the members of the faculty. We nominate the following professors are the members of the review committee, to review and recommend the projects for presentation.

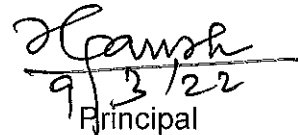
1. Dr. S. Ganesh Vaidyanathan, Principal, SVCE.
2. Dr. K R Santha, Professor & HOD / EEE, and Vice-Principal.
3. Dr. K. Pitchandi, Professor / Mechanical & Controller of Examinations.
4. Dr. R. Anitha, Professor & HOD / CSE
5. Dr G Sumathi, Professor / INT
6. Dr. J. Venkatesan, Professor & HOD / Automobile & Dean (Students' Welfare),
7. Dr. S. Ramesh Babu, Professor & HOD / MEC
8. Dr. N. Meyyappan, Professor & HOD / CHE
9. Dr E Nakkeeran, Professor & Head /BIO
10. Dr R Kumutha, Professor and Head /CVE
11. Dr. R. Muthucumaraswamy, Professor & HOD/APM, Dean(Research) & Convener

I request you to approve the members for the above said committee.

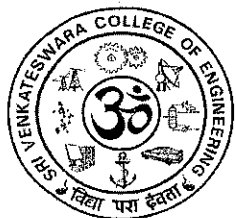
Sincerely yours

  
Dean (Research) 9/3/2022

Dr. R. Muthucumaraswamy, Ph.D.,  
Dean (Research), Professor & Head  
Department of Applied Mathematics  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur-602117.

  
Principal

Prof. S. Ganesh Vaidyanathan, Ph.D.  
Principal  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur Tk-602 117.  
Tamilnadu State, India.



An Autonomous Institution – Affiliated to Anna University

Office of Dean (Research)

Annexure- II-Intramural Research Grant

Date: 25/4/2022

The following list of research project proposals are shortlisted for the presentation under the scheme intramural research grant for the Academic year 2022-2023.

**Department of Biotechnology**

S.No.	Name the faculty	Title of the Research proposal	Estimated budget
1	Dr S Pandi Prabha (PI) Dr K Ganesh Prasad (Co-PI)	A Novel Plasmonic ELISA for sensitive detection of SARS CoV 2 antibody based on target guided growth of gold Nanoparticle.	Rs.1,00,000

**Department of Chemical Engineering**

S.No.	Name the faculty	Title of the Research proposal	Estimated budget
1	Dr. Philip Bernstein Saynik (PI) Mr. M. Ananda Boopathy (Co-PI)	Development of Low-Cost Pyrolysis Reactor For Production of High Quality Biochar	Rs.85,500
2	Dr. M. Srividhya (PI) Dr.N.P.Kavitha (Co-PI)	Integrated SVCE Campus Cleanup Of Waste Stream and Creating an Innovation Hub Knowledge Centre for Young Minds Training and Employment Generation with the Scale up for Rural Communities Utilization Waste Streams	Rs.1,00,000
3.	Dr. S.Sivanarutselvi (PI) Dr. G. Manikandan (Co-PI)	Effectiveness of Dye Removal Using Synthesized Banana Pseudostem	Rs.95,000

**Department of Computer Science and Engineering**

S.No.	Name the faculty	Title of the Research proposal	Estimated budget
1	Dr. P. Vinothiyalakshmi (PI) Dr. T. Rajasekaran (Co-PI)	Real Time Vehicle Location Tracking System Based on Internet of Things with Cloud Computing Technology	Rs.1,00,000
2	Dr. B. Praveenkumar (PI) Dr. T. Rajasekaran (Co-PI) Dr.P. Vinothiyalakshmi (Co-PI)	Human Activity Recognition and Body Mass Index Estimation through IOT Cloud Computing	Rs.90,250

**Department of Electronics and Communication Engineering**

S.No.	Name the faculty	Title of the Research proposal	Estimated budget
1.	Dr. N. Kumaratharan (PI) Mr. AR. Guru Gokul (Co-PI)	Pneumonia Detection in Chest Xray Images Using Snapshot Ensembling	Rs.1,05,499
2.	Dr. P. Mathivanan (PI) Dr.K. Ashwini (Co-PI)	Intelligent Fall Detection System for Elderly People Using Inertial Sensors and Machine Learning Technique	Rs.1,00,900
3.	Dr. P. Ashok (PI) Dr. A. Prasanth (Co-PI)	PC To PC Communication Using Free Space Optics	Rs.1,10,000

**Department of Electrical and Electronics Engineering**

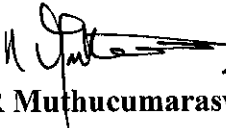
S.No.	Name the faculty	Title of the Research proposal	Estimated budget
1.	S. G. Bharathidasan (PI) M. Sankar (Co-PI) S. Thamizmani (Co-PI)	Energy conservation in a smart micro grid using SCADA and IoT	Rs.1,35,040

**Department of Information Technology**

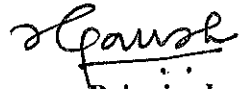
S.No.	Name the faculty	Title of the Research proposal	Estimated budget
1	B.T. Shobana K. Kiruthika Devi	Design of artificial intelligence based smart discipline surveillance system.	Rs.1.07,092

**Department of Mechanical Engineering**

S.No.	Name the faculty	Title of the Research proposal	Estimated budget
1.	Dr. M. Mohandass Dr. M. Vignesh	Characterization of cold metal transfer based wire and arc additive manufactured (WAAM) nickel-titanium alloy.	Rs.1,00,000

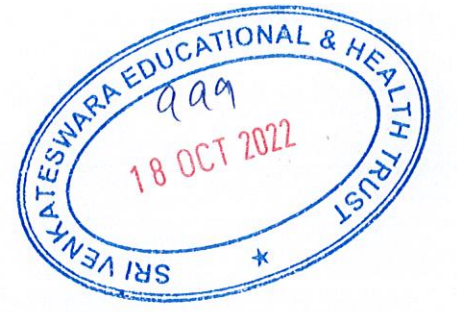
  
25/4/2022  
**Dr R Muthucumaraswamy**  
**Dean (Research)**

Dr. R.Muthucumaraswamy, Ph.D.,  
Dean (Research), Professor & Head  
Department of Applied Mathematics  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur-602117.

  
**Principal**  
**Prof.S. Ganesh Vaidyanathan, Ph.D**  
**Principal**  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur Tk-602 117.  
Tamilnadu State, India.



**SVCE** | Sri Venkateswara  
College of  
Engineering



Office of the Dean (Research)

12<sup>th</sup> October 2022

Submitted to the Secretary

- Forwarded

Through the Principal,

Sub: Funding for Intramural Research Grant (SVCE-IRG) for the faculty- Regarding

Respected Professor,

As our research budget includes the provision of funding for Intramural Research Grant (SVCE-IRG) for the members of the faculty of SVCE from the Academic Year 2022-2023. The duration of the project is two years. The project starting from 1<sup>st</sup> November 2022 to 31<sup>st</sup> October 2024. Therefore, I request you to approve an amount of **Rs.3,00,000/-** for Intramural Research Grant (**for three projects each worth of Rs.1,00,000/-**) for the Academic Year 2022-2023.

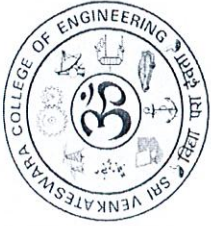
Thank you in advance for your approval.

Sincerely Yours

Dr. R. Muthucumaraswamy  
Dean (Research)

Dr. R. Muthucumaraswamy, Ph.D.,  
Dean (Research), Professor & Head  
Department of Applied Mathematics  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur-602117.

To: Dean-R  
~~Approved as per Mgmt policy~~  
~~Research~~  
~~Principal~~  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur Tk-602 117  
Tamilnadu, India.



# SACE | Sri Venkateswara College of Engineering

## INTRAMURAL RESEARCH GRANT

### List of Selected Projects for the Academic Year 2022-2023

S.No.	Dept.	Name of the PI and Co-PI	Title of the Project Proposal	Amount Sanctioned (in Rupees)
1.	CHE	Dr. Philip Bernstein Saynik (PI) Mr. M. Ananda Boopathy (Co-PI)	Development of Low-Cost Pyrolysis Reactor For Production of High Quality Biochar	Rs. 1,00,000
2.	ECE	Dr. S. Vijayanand (PI) Dr.A Prasanth (Co-PI)	Prediction of Rainfall Using Machine Learning Techniques	Rs. 1,00,000
3.	MEC	Dr. M. Mohandass (PI) Mr. V. Gurusamy (Co-PI)	Characterization of cold metal transfer based wire and arc additive manufactured (WAAM) nickel-titanium alloy.	Rs. 1,00,000

  
Dean (Research) 12/10/2022

Dr. R. Muthucumaraswamy, Ph.D.,  
Dean (Research), Professor & Head  
Department of Applied Mathematics  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur-602117.

  
Principal

Prof.S. Ganesh Vaidyanathan, Ph.D  
Principal  
Sri Venkateswara College of Engineering  
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**SVCE** | Sri Venkateswara  
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Office of Dean (Research)

**SVCE Intramural Research Grant**

Ref. No.: SVCE/IRG/R&D/MEC/2022-2023/01

Date: 31/10/2022

Principal Investigator: **Dr Philip Bernstein Saynik**, Assistant Professor/CHE

Co-Principal Investigator: **Mr M Ananda Boopathy**, Assistant Professor/CHE

Through: Head of the Department, Chemical Engineering

Dear Sir,

Sub: Sanction of funding-Development of Low cost Pyrolysis reactor for  
production of high quality Biochar –Reg.

Congratulation!

We are happy to inform you that your research project proposal submitted to the Office of Dean (Research) for funding under the Intramural Research Grant, was recommended by a review committee for funding, and the Management sanctioned an amount of **Rs. 1,00,000 /-** (**Rupees One lakh only**) for your project. The duration of the project is two years.

The money is transferred to your department. You could spend the sanctioned amount to purchase equipment's/ materials using the standard college procedure. After using all the sanctioned money, you are requested to submit the certificate of Utilization to the office of Dean (Research) after successful completion of the project and the same to be submitted on or before **31<sup>st</sup> October 2024**. A format for the utilization certificate is available in the website.

You are also requested to submit an annual report on the work performed on your project and publications made in it to the Dean (Research) by **31<sup>st</sup> October 2023 and October 2024**.

Wish you all the best for your project.

Sincerely yours

 31/10/2022


Dr. R. Muthucumaraswamy, Dean(Research)

Dr. R. Muthucumaraswamy, Ph.D.,  
Dean (Research), Professor & Head

Copy to: Head, Department of Chemical Engineering  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur-602117.

  
31/10/22.  
Principal

**Prof. S. Ganesh Vaidyanathan, Ph.D**  
Principal  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur Tk-602 117.  
Tamilnadu State, India.

Received  
  
9/11/2022



# SVCE

Sri Venkateswara  
College of  
Engineering

Autonomous Institution- Affiliated to Anna University

Office of Dean (Research)

SVCE Intramural Research Grant

Ref. No. : SVCE/IRG/R&D/MEC/2022-2023/02

Date : 31/10/2022

Principal Investigator : **Dr S Vijayanand**, Assistant Professor/ECE

Co-Principal Investigator(s) : **Dr A Prasanth**, Assistant Professor/ECE

Through: Head of the Department, Electronics and Communication Engineering

Dear Sir,

Sub: Sanction of Funding-Prediction of Rainfall using Machine Language Techniques –Reg.

Congratulation!

We are happy to inform you that your research project proposal submitted to the Office of Dean (Research) for funding under the Intramural Research Grant, was recommended by a review committee for funding, and the Management sanctioned an amount of **Rs. 1,00,000 /-** (**Rupees One lakh only**) for your project. The duration of the project is two years.

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Wish you all the best for your project.


Sincerely yours

 31/10/2022

Dr. R. Muthucumaraswamy, Dean(Research)

Dr. R. Muthucumaraswamy, Ph.D.,  
Dean (Research), Professor & Head  
Department of Applied Mathematics  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur-602117.

Received

  
10/11/22  
(Dr. A. Prasanth)  
AP/ECE

  
31/10/22  
Principal

Prof. S. Ganesh Vaidyanathan, Ph.D  
Principal

Copy to: Head, Department of Electronics and Communication Engineering  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur TK-602 117,  
Tamilnadu State, India.





**SVCE** | Sri Venkateswara  
College of  
Engineering

Autonomous Institution- Affiliated to Anna University

Office of Dean (Research)

**SVCE Intramural Research Grant**

Ref. No. : SVCE/IRG/R&D/MEC/2022-2023/03

Date : 31/10/2022

Principal Investigator : **Dr M Mohandass**, Associate Professor/ MEC

Co-Principal Investigator : **Mr V Gurusamy**, Associate Professor/ MAR

Through: Head of the Department, Mechanical Engineering

Dear Sir,

Sub: Sanction of Funding-Characterization of cold metal transfer based wire and arc additive manufactured (WAAM) nickel-titanium alloy –Reg.

Congratulation!

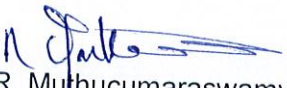
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You are also requested to submit an annual report on the work performed on your project and publications made in it to the Dean (Research) by **30<sup>th</sup> October 2023 and October 2024**.

Wish you all the best for your project.

Sincerely yours

 31/10/2022  
Dr. R. Muthucumaraswamy, Dean(Research)


Dr. R. Muthucumaraswamy, Ph.D.,  
Dean (Research), Professor & Head

Department of Applied Mathematics  
Copy to: Head, Department of Mechanical Engineering  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur-602117.

  
31/10/22  
Principal

**Prof.S. Ganesh Vaidyanathan, Ph.D**  
Principal

Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur Tk-602117.  
Tamilnadu State, India.

Received  
  
10/11/22  
(Dr. Mohandass)