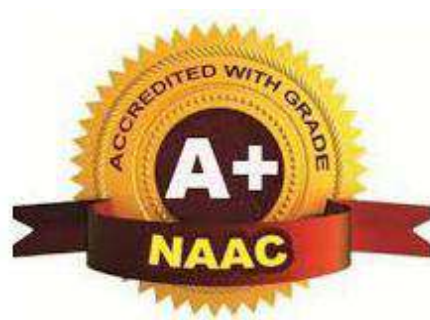


# **SARANATHAN COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

***Accredited by NBA & NAAC A+***



## ***Department of Mechanical Engineering***

**Venkateswara Nagar, Panjappur,**

**Tiruchirappalli - 620 012,**

**Tamil Nadu, India.**

**[www.saranathan.ac.in](http://www.saranathan.ac.in)**

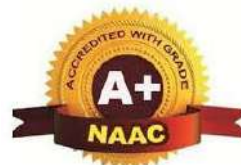


**3.1.3 Percentage of departments having Research projects funded by government and non government agencies**

# SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Venkateswara Nagar, Panjappur, Tiruchirappalli - 620 012, Tamil Nadu.



## INDEX

### CRITERION: 3.1.3

*Percentage of departments having Research projects funded by government and non government agencies*

**2021 - 2022**

S. No.	Department	Page No.
1.	Civil Engineering	1
2.	Computer Science and Engineering	2
3.	Electronics and Communication Engineering	3-13
4.	Electrical and Electronics Engineering	14-24
5.	Mechanical Engineering	25-26
6.	Department of chemistry	27-30

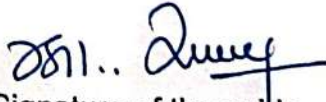
**TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY**  
**DOTE CAMPUS, CHENNAI - 600 025**

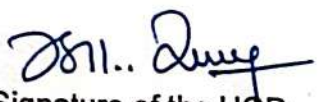
**STUDENT PROJECT SCHEME 2021-2022**  
**UTILISATION CERTIFICATE**

(TWO COPIES)

1. Name of the guide and address : Dr. A. Belin Jude,  
Assistant Professor & Head,  
Department of Civil Engineering,  
Saranathan College of Engineering,  
Tiruchirapalli – 620012.
2. Name of the student(s) : K. Dinesh, B. Gokul,  
R. Mohamed Nawfal, S. Mohan Kishore
3. Title of the project : Study of the performance of Polystyrene  
Petroleum Gel as a Construction material
4. Project code : ECV - 132

It is certified that a sum of **Rs.7500** (Rupees Seven thousand Five hundred) 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. ....Nil..... remaining unutilized is refunded.

  
Signature of the guide

  
Signature of the HOD  
Head of the Department  
Department of Civil Engineering  
Saranathan College of Engineering  
Tiruchirappalli - 620 012.



  
Signature of the  
REGISTRAR/PRINCIPAL/DEAN  
With SEAL  
**PRINCIPAL**  
Saranathan College of Engineering  
TRICHY - 12.



TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY  
DOTE Campus, Chennai - 600 025

STUDENT PROJECT SCHEME 2021-2022  
UTILISATION CERTIFICATE

(TWO COPIES)

1. Name of the guide and address

: Dr. S. Mohana

Associate professor, Department of  
Computer Science and Engineering.

Saranathan College of Engg. Tiruchirappalli

-620012.

2. Name of the student(s)

: Manoj Michael

Raj. A

Giridhar B.

3. Title of the project

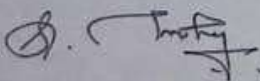
An emergency rescuer app.

4. Project code

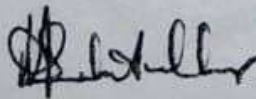
: CSE - 547.

seven thousand and five hundred only.

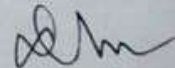
It is certified that a sum of Rs. 7,500/- (Rupees ) Sanctioned by the  
council for carrying out above mentioned student project has been utilized for the  
purpose for which it was sanctioned and sum of Rs.  
.....remaining unutilized is refunded.



Signature of the guide



Signature of the HOD



PRINCIPAL  
Saranathan College of Engineering,  
TRICHY - 12.

Signature of the  
REGISTRAR/PRINCIPAL/DEAN  
With SEAL



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj,  
New Delhi-110070

## RPS - Sanction Letter

File No. 8-70/FDC/RPS/POLICY-1/2021-22

Date:07.03.2022

## The Drawing and Disbursing Officer

All India Council for Technical Education

Nelson Mandela Marg,

Vasant Kunj, New Delhi-110070,

**Sub:** Release of a sum of Rs. 1882165/- being the 1<sup>st</sup> installment of the total grant of Rs. 2151046/- for conduct of Project under Research Promotion Scheme (RPS) during the financial year 2021-22.

Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of Rs. 1882165/- (Rupees Eighteen Lakh Eighty Two Thousand One Hundred Sixty Five Only) as 1<sup>st</sup> installment out of a total approved grant-in-aid of Rs.2151046/- for conduct of a Project under the Research Promotion Scheme (RPS), as per details given below:-

I.	Name and address of the Beneficiary Institution (University / College / Institution)	: Registrar / Director / Principal, SARANATHAN COLLEGE OF ENGINEERING, VENKATESWARA NAGAR EDAMALAIPATTIPUDUR POST PANJAPPUR VILLAGE SRIRANGAM TALUK -620012, TAMIL NADU
II.	Principal Investigator's Name & Dept./Course	: Dr. MUTHURATHINAM SANTHI (ELECTRONICS AND COMMUNICATIONS ENGINEERING)
III.	Co-Principal Investigator's Name & Dept.	: CHOCKALINGAM VENNILA (ELECTRONICS AND COMMUNICATIONS ENGINEERING)
IV.	Grant-in-aid Sanctioned	: Rs. 2151046/- (Rs. 1613284/- for non-recurring and Rs.537762/- for recurring expenditure)
V.	Amount to be Released during the year 2021-22 (as 1 <sup>st</sup> installment)	: Rs. 1882165/- (Rs. 1613284/- Full amount of non-recurring & Rs. 268881/- recurring i.e. 50 % of total sanctioned recurring grant)
VI.	Project Duration	: 3 Years
VII.	Title of the Project	: DEVELOPMENT OF DEEP THERMAL IMAGING APPLICATION FOR FOOD SAFETY AND ADULTERATION

## I. Release of funds:

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of SARANATHAN COLLEGE OF ENGINEERING, VENKATESWARA NAGAR EDAMALAIPATTIPUDUR POST PANJAPPUR VILLAGE SRIRANGAM TALUK -620012, TAMIL NADU through PFMS.
2. The sanctioned grant-in-aid is debitable to the Major Head "601.12.a (RPS Plan)" Gen. and is valid for payment during the financial year 2021-22.
3. The sanction issues in exercise of the powers delegated to the Council. It is also certified that grant-in-aid is being released in conformity with the rules and principles of the Scheme.
4. The grant-in-aid is being released in conformity with the Terms & Conditions as well as norms of the scheme as already communicated and also being communicated in this letter.

## II. Maintenance of account by the Institute/PI:

1. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
2. The grant is intended to cover items of expenditure/equipment approved by AICTE.
3. Acknowledgement of receipt of grant and letter of acceptance of terms and conditions is to be submitted to AICTE within 15 days from the receipt of the grant to the following address:

Director (Faculty Development Cell), AICTE, Nelson Mandela Marg, Vasant Kunj, New Delhi-110070



4. The accounts of the grantee will be opened for test check by the Council or Comptroller & Auditor General of India or by any officer designated by them.
5. The Principal and PI of the institute are requested to verify the correctness of the undermentioned bank account/RTGS/PFMS details submitted by them alongwith the Proposal, in which the grant is being released. In case of any omission, the same should be reported to AICTE immediately along with refund of entire grant: -

Institute Pan No.	Bank Name	Bank Branch	Bank Branch Add.	Account Holder Name	Account Type	Account Number	IFSC Code
AAETS611 5N	CITY UNION BANK LTD.	TIRUCHIRA PALLI MAIN	KALLI AMMAN KOIL STREET, SIGC CAMPUS, TIRUCHIRAPALLI - 620002	SARANATHAN COLLEGE OF ENGINEERING	Saving Account	023001001920789	CIUB00000023

6. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/Government of India from time to time. Grantee institution must follow GFR guidelines in procuring the sanctioned items and maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.

7. Interest accrued on the sanctioned grant-in-aid will be reported and refunded to AICTE and not adjusted against the subsequent installment.

### III. General Instructions:

1. It should be ensured that no RPS project in favour of the same P.I. has been sanctioned during the last 03 years before utilizing this amount and the matter be brought to the notice of this Council immediately in case a faculty is sanctioned multiple RPS Projects.
2. The duration of Project is 03 years and the **date of release of the grant by AICTE shall be taken as the date of commencement of the project.** The Registrar/Director/Principal shall intimate about the receipt of the grant to AICTE. Any Expenditure, incurred prior to issuance of this Sanction Order, would not allowed to be adjusted in the grant and if the University/Institution do not take-up the project work **within 6 months** of the receipt of the grant, approval shall *ipso facto* lapse and the Institute has to necessarily refund the entire grant to AICTE along with interest within a month. In case the grant is not refunded within said duration 18% interest will be levied on it. The grant has to be refunded to AICTE, through RTGS as per details given below:

Account Number	55113199952
Name of the Account Holder	Member Secretary, AICTE, New Delhi
Bank Name	State Bank of India
Branch Name	Shashtri Bhawan, New Delhi
IFSC Code	SBIN0050203

3. The Institute may constitute a Project Monitoring Committee (PMC). The composition of the PMC shall be as under:

- Principal/Director of the institution (Chairperson)
  - Two HODs from institute (Members)
  - In case of private institute one subject expert from government institute, not below the rank of Associate Professor (Member)
  - Coordinator of the project (Member Secretary)
4. The grant shall be utilized strictly for the purpose as specified in the sanction letter. Re-appropriation of funds from one Head to another is strictly not permitted viz. Recurring and non-recurring Heads. Further, the equipment(s)/item(s) purchased should be as per the specifications and individual item-wise costs sanctioned by AICTE, and not taking the total grant sanctioned as one entity. Item-wise purchase cost shall be matched with the sanctioned cost, and the cost of item purchased below the sanction cost shall be restricted as actual cost. If the item purchase cost is higher than its sanctioned cost, the cost shall be restricted to the sanctioned cost and the additional amount shall be met by the Institute from its own resources.
5. Similarly, the recurring grant can be used for the items (non-recurring) sanctioned by the AICTE. No money be used for going abroad to attend Conference / seminars. However, for presenting a Paper in a Seminar / Conference **within the country**, the travel expenses may be met from the recurring grant.



:: 3 ::

6. No request for additional grant over and above the sanctioned grant shall be considered by the AICTE. The additional amount, if any, expended beyond the sanctioned grant shall be met by the Institute from its own resources.
7. The institute/University shall not charge any overheads on this Project and will provide all the administrative support and **timely release of grant to PI** for completion of the Project.
8. The grantee shall utilize grants only on approved items as per list of equipment attached. However, if the grantee wishes to recast the Project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India. **The revised proposal should be within the total grant sanctioned and duly supported with reasons and recommendations of the Project Monitoring Committee (PMC).**
9. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education.
10. Each project sanctioned by AICTE is assigned a specific Reference Number, which is given on pre-page. All correspondence address to AICTE regarding the project must quote this number alongwith year of sanction of the project, otherwise correspondence may not be entertained.
11. The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the Council from time to time.

#### IV. Submission of documents by the institute/PI to AICTE:

##### A. Documents to be submitted within one month of completion of each financial year:

- i. Annual Progress Report, indicating therein the number of patents, publications or any other achievement.
- ii. Utilization Certificate, Audited Utilization Certificate, Receipt & Payments, Statement of Expenditure.
- iii. Audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets in the prescribed form i.e. GFR-19.
- iv. Separate Bills/vouchers related to Non-recurring and recurring expenditures duly signed & stamped by the PI & Head of the institution.
- v. Stock entry register duly verified by the Store-in-charge and PI & counter signed by Head of institution.

##### B. Documents to be submitted within two month of completion of the Project:

- i. The consolidated Utilization Certificate (UC) and Receipt & Payment Account for the Project duration, duly audited.
- ii. Consolidated audited statement of expenditure, to the effect that the grant has been utilized for the purpose for which it has been sanctioned. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
- iii. Project Completion Report duly signed & stamped by the PI & Head of the institution and Project Evaluation Committee (PEC) Members.
- iv. Principal Investigator/institute to submit the Feed Back Form in AICTE format.
- v. The prescribed formats for submission of necessary mandatory documents and Terms & Conditions may please be downloaded from [www.aicte-india.org/schemes/research-innovations-development-schemes](http://www.aicte-india.org/schemes/research-innovations-development-schemes).

**Note: Any deviation from the above said time schedule will cause serious action against the institute.**

Contd.....4/-



From

dt:07-07-2021

B.Divya

Research Scholar (1524359757),  
Department of Electronics and Communication Engineering,  
Saranathan College of Engineering  
Trichy 600 012, Tamilnadu, India.

To

Dr.R.Srinivasan, M.Sc., Ph.D., F.I.C.S., M.A.C.S.(USA).,  
Member Secretary  
Tamilnadu State Council for Science and Technology  
Sardar Patel Road,  
DOTE Campus,  
Chennai 600 025, Tamilnadu, India.

Sir/ Madam,

Sub: Programme to bridge the gap in research funding for research scholars in colleges  
(RFRS) –request for extension-reg  
Ref: TNSCST/RFRS/VR/12/7366

With reference to the above, I am writing to request a time extension for the project, "Intelligent Post Harvest Monitoring and Controlling System Using Wireless Sensor Network". There is delay in completing the project due to the COVID-19 pandemic. Though I have been working on the project during the lockdown, still 30% of the work yet to be completed.

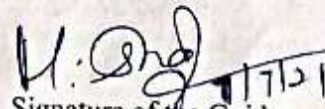
In view of the preceding facts, I kindly request you to provide the extension of the project till 28<sup>th</sup> February, 2022. This extension will help me to publish more papers in journals and will come with a more accurate and comprehensive report.

I apologize for the delay and thank you for your understanding.

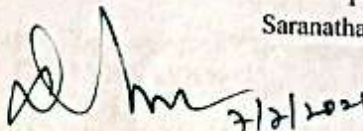
Thanking You.



Signature of the RFRS Awardee  
B.Divya



Signature of the Guide  
Dr. M.Santhi  
Professor & Head  
Saranathan College of Engineering



Head of the Institution / The Registrar / The Finance Officer  
Dr. D VALAVAN  
Principal

Saranathan College of Engineering

**PRINCIPAL**  
Saranathan College of Engineering  
TRICHY - 12.

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**UTILIZATION CERTIFICATE**  
(Two Copies)

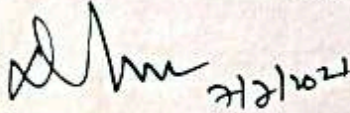
1. Name of the Scheme : Programme bridge the gap in research funding for research scholar in colleges (RFRS)
2. Name and address of the RFRS Awardee : B.Divya  
Research Scholar  
Department of ECE  
Saranathan college of Engineering  
Trichy 620012.
3. Council Sanction letter details / reference : TNSCST/RFRS/VR/12/2018-19/7648 Dt:06.06.2019
4. Amount Sanctioned : -

**CERTIFICATE**

The sum of Rs.1.5 lakh ( Rupees One Lakh and Fifty Thousand only) to be sanctioned as the 2<sup>nd</sup> year grant by the Council for the scheme "Programme to bridge the gap in research funding for research scholars in colleges (RFRS)" through the Council sanction letter TNSCST/RFRS/VR/12/2018-19/7648 Dt:06.06.2019 is fully needed for the purpose for which it was sanctioned as per the terms and conditions of the scheme and the corresponding details will be submitted at the end of the project duration.

  
Signature of the RFRS Awardee  
B.Divya

  
Signature of the Guide  
Dr. M.Santhi  
Professor & Head  
Saranathan College of Engineering

  
Head of the Institution / The Registrar / The Finance Officer  
Dr. D VALAVAN  
Principal  
Saranathan College of Engineering

**PRINCIPAL**  
Saranathan College of Engineering  
TRICHY - 12.



## PROGRESS REPORT

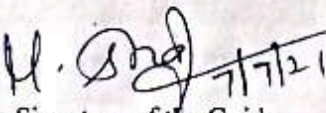
(Tow Copies )

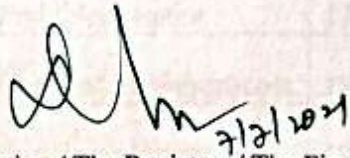
1. Name of the Scheme : Programme bridge the gap in research funding for research scholar in colleges (RFRS)
2. Name and address of the RFRS Awardee : B.Divya  
Research Scholar  
Department of ECE  
Saranathan college of Engineering  
Trichy 620012.
3. Council Sanction letter details / reference : TNSCST/RFRS/VR/12/2018-19/7648 Dt:06.06.2019
4. Amount Sanctioned : Total amount sanctioned- Rs.3 Lakhs  
First year grant Rs.1.5 Lakhs received during June,2019.
5. Title of the Research Work : Intelligent Image-Based Pest Monitoring and Controlling System for Agriculture Using IOT
6. Objectives Approved : (1) wide variations in the positioning of pest insect objects and being able to distinguish the insect objects from varying degrees of background clutter  
  
(2) the significant intra-class difference and large inter-species similarity that exists for many species  
  
(3) a requirement for a fast collection and interpretation of data to allow rapid responses, particularly when large numbers of pests are detected.
7. Objectives realized so far : (1) wide variations in the positioning of pest insect objects and being able to distinguish the insect objects from varying degrees of background clutter  
  
(2) intra-class difference and large inter-species similarity that exists for many species  
  
(3) Fast recognition rate of pest having any background has been achieved. When large number of different insects are obtained in same background, Proposed AGRIPESTNET CNN can precisely clarify between pest types.



8. Detailed Research work : PFA  
including Details of  
experimental work  
conducted, research data in  
form of tables, figures and  
photographs (elaborated  
details should be given)
9. Research Publications made : B.Divya and M.Santhi (2021) 'Modified Convolutional  
from the RFRS work. If any Neural Network Based Automatic Detection and  
Classification of Insects in Agricultural Fields', Journal  
of Green Engineering (JGE) , 11(3), pp. 2766-2783
- B.Divya and M.Santhi (2020) "Insect classification  
based on improved squeeze-and-excitation network" at  
first International e-Conference on "Cutting Edge  
Technologies in Electrical, Communication, Embedded  
system and Soft computing Techniques (ICECES'20) at  
Saranathan college of Engineering,Trichy
10. Planned / Expected date of : February,2022.  
Completion

  
Signature of the RFRS Awardee  
B.Divya

  
Signature of the Guide  
Dr. M.Santhi  
Professor & Head  
Saranathan College of Engineering

  
Head of the Institution / The Registrar / The Finance Officer  
Dr. D VALAVAN  
Principal  
Saranathan College of Engineering

**PRINCIPAL**  
Saranathan College of Engineering  
TRICHY - 12.



:: 4 ::

## V. Approved List of Items under Non-recurring grant:

S. No.	Approved Items (As per proposal)	No. of Units	Amount recommended (in Rs.)
A.	Non-recurring		
i)	Infrared Spectroscopy	1	Rs. 1613284/-
ii)	MSI GE75 Raider Core i9 10th Gen	1	
iii)	Thermal Image Camera	1	
B.	Recurring i.e. 50% of total approved recurring grant) for Contingencies & Consumables only		Rs. 268881/-
	Grand Total (A) + (B)		Rs. 1882165/-

Copy forwarded for information and necessary action to:

## 1. REGISTRAR / DIRECTOR / PRINCIPAL,

SARANATHAN COLLEGE OF ENGINEERING,  
VENKATESWARA NAGAR EDAMALAIPATTIPUDUR POST  
PANJAPPUR VILLAGE SRIRANGAM TALUK -620012,  
TAMIL NADU

## 2. NAME OF PRINCIPAL INVESTIGATOR,

Dr. MUTHURATHINAM SANTHI,  
(ELECTRONICS AND COMMUNICATIONS ENGINEERING)  
SARANATHAN COLLEGE OF ENGINEERING,  
VENKATESWARA NAGAR EDAMALAIPATTIPUDUR POST  
PANJAPPUR VILLAGE SRIRANGAM TALUK -620012,  
TAMIL NADU

3. OFFICE OF DIRECTOR GENERAL OF AUDIT  
GENERAL REVENUES, AGCR BUILDING  
I.P. ESTATE, NEW DELHI-110002.

## 4. GUARD FILE

*Amit K. S.*  
8/3/22  
(Dr. Amit Kumar Srivastava)  
Director (FDC)

07 MAR 2022





**தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்**  
**TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY**

(Established by Government of Tamilnadu)  
 Directorate of Technical Education Campus, Chennai - 600 025

Phone : 044 - 2230 1428

Web : www.tanscst.nic.in

Telefax : 044 - 2230 1552

E-mail : ms.tanscst@nic.in/enquiry.tanscst@nic.in

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

Letter No.TNSCST/RFRS/2018-19/12/VR/2022

5243

31.03.2022

To  
 The Principal,  
 Saranathan College of Engg.,  
 Venkateswara Nagar Panjappur  
 Trichy-620 012

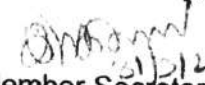
Sub: Research Fellowship for Research Scholars -(2018-19-Batch) -  
 Release of second year grant - Reg.

With reference to the above, please find enclosed herewith a cheque (598407 dt. 30.03.2022) for Rs.1.5 lakh towards final installment as per the details given below:

Sl. No.	Name and address of the student	Title of the Project	Amount
1	B.Divya Research Scholar Dept. of ECE Saranathan College of Engg., Venkateswara Nagar Panjappur Trichy-620 012	Intelligent post harvest monitoring and controlling system using wireless sensor network	Rs.1.5 lakh final installment

The grant may be released to the individual as per the terms and conditions already sent to you. Utilization certificate and 2 copies of Ph.D., thesis (final copy) should be submitted to the Council at the end.

Yours faithfully,

  
 Member Secretary.

Encl: as above.

Copy to: B.Divya  
 Research Scholar  
 Dept. of ECE  
 Saranathan College of Engg.,  
 Venkateswara Nagar Panjappur  
 Trichy-620 012 Ph: 93613 66577



**SARANATHAN COLLEGE OF ENGINEERING  
VENKATESWARA NAGAR, PANJAPUR, TRICHY-620009.**

**UTILIZATION CERTIFICATE FOR THE FINANCIAL YEAR 2020-2021**

Name of the Scheme under which Grant was sanctioned AICTE Training and Learning (ATAL) Academy Online FDP

AICTE File No. : 01-App.No.1614158405/AICTE/ATAL-HQ/2020-21/

Name of Co-ordinator : Dr.V.Mohan

Application No. : 1614158405

Title of the ATAL Programme : COGNITIVE RADIO, ANTENNAS AND MILLIMETER WAVE COMMUNICATION

Sl. No.	AICTE Sanction Order/Letter No. & Date under which grant was sanctioned	Amount (Rs.)	
1.	01-App.No.1614158405/AICTE/ATAL-HQ/2020-21/ & 4 <sup>th</sup> June 2021	93,000	Certified that out of the grant-in-aid of Rs.93,000. (rupees Ninety Three Thousand only) sanctioned by the AICTE during the financial year <u>2021-2022</u> in favour of Saranathan College of Engineering, Trichy as per letter 01-App.No.1614158405/AICTE/ATAL-HQ/2020-21/, has been fully utilized for the purpose for which it was sanctioned.

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

**Kinds of checks exercised: -**

- Audited Annual Accounts of the Institute
- Receipt and Payment account
- Periodical Progress Reports.

(1). Name, Signature & Address of the Claimant/Awardee/Coordinator with seal:

*Dr. V. MOHAN*  
SUPERVISOR REF.No: 3340068  
ASSOCIATE PROFESSOR,  
Department of Electronics and Communication Engineering,  
Saranathan College of Engineering,  
Trichirappalli - 620 017

2). Signature of Chartered Accountant:

Name of Chartered Accountant:

Membership No:

Rubber stamp:

Full Address:

Date:

For M.RAJU & Co.,  
CHARTERED ACCOUNTANTS  
*(A. KUMARI)*  
M.No: 026517  
PROPRIETOR

(3). Signature of Head of the Institute:

Name & Designation of the Head of Institute:

Rubber stamp:

Full Address: **Dr. D. Valavan, M.Tech., Ph.D.**

Date:

Principal  
Saranathan College of Engineering,  
Trichy - 12.

(4). Signature of the Finance Officer/Accounts Officer:

Name of the Finance Officer/Accounts Officer:

(If it is Govt./Govt. Aided Institute)

**Note:-If it is more than one page, each page must be signed in all annexure**



**AICTE Training And Learning(ATAL) Academy Programme****FORMAT FOR STATEMENT OF EXPENDITURE**

AICTE File No.(Sanction letter file No.) :01-App.No.1614158405/AICTE/ATAL-HQ/2020-21/

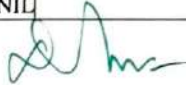
Title of the Programme : COGNITIVE RADIO, ANTENNAS AND MILLIMETER WAVE COMMUNICATION

Application No. : 1614158405

Name of the Coordinator : Dr.V.MOHAN

<u>Sanction No. and Date</u>	<u>Grant Sanctioned</u>	<u>Details of expenditure Incurred Item wise</u>	<u>Amount Rs. (in each head)</u>	<u>No. of Participants</u>	<u>Duration of the Programme (with dates)</u>
01-App.No.1614158405/AICTE/ATAL-HQ/2020-21/ & 4 <sup>th</sup> June 2021	Rs.93,000/- (Rupees Ninety Three Thousand only)	1. Honorarium to Coordinator Rs.2000/- per day x 5 days	10,000	200	Five days (07-06-2021; 08-06-2021; 09-06-2021; 10-06-2021; 11-06-2021)
		2. Honorarium to Computer operator	2000		
		3. Honorarium for experts (Rs.5000 per session for total 14 session).	70,000		
		4. Provision for payment to Lab Attendant	1000		
		5. Miscellaneous charges	10,000		
		Total	93,000		
		Grant Received	93,000		
		Balance to be Received	NIL		

(1)  **Dr. V. MOHAN**  
Name and Signature of Coordinator with Seal  
REF.No: 3340068  
ASSOCIATE PROFESSOR,  
Dept. of Electronics and Communication Engineering  
Saranathan College of Engineering  
Tiruchirappalli - 620 012.

(2)   
Name and Signature of Head of Institution with Seal  
**Dr. D. Valavan, M.Tech., Ph.D.,**  
Principal  
Saranathan College of Engineering  
Trichy - 12.

(3) Signature (with Seal) of the Finance Officer/  
Auditor/Accounts Officer  
(If it is Govt./Govt. Aided Institute)



(4) Signature of Chartered Accountant:  
Name of Chartered Accountant:  
Membership No: For M. RAJU & Co  
Rubber stamp: CHARTERED ACCOUNTANTS  
Full Address:  
Date:  
(A. K. MARI)  
PROPRIETOR

Note:-If it is more than one page, each page must be signed in all annexure





**All India Council for Technical Education**  
(A Statutory body under Ministry of HRD, Govt. of India)  
Nelson Mandela Marg, VasantKunj, New Delhi-110070 Website: [www.aicte-india.org](http://www.aicte-india.org)

**MODROB - Sanction Letter**

Date: 20.07.2020

F.128/IDC/MODROB/Policy-1/2019-20

The Drawing and Disbursing Officer,  
All India Council for Technical  
Education, Nelson Mandela Marg,  
Vasant Kunj, New Delhi - 110070

**Sub:** Release of a sum of **Rs.1100941/- (Rupees Eleven Lakh Nine Hundred FourtyOne Only)** being the 1<sup>st</sup> installment **Grant-in-Aid** under the scheme **Modernization and Removal of Obsolescence (MODROB)** for the year **2019-20** payable during the current financial year **2020-21**- reg.

Sir,

With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council for payment of **Rs.1376176/- (Rupees Thirteen Lakh SeventySix Thousand One Hundred SeventySix Only)** as sanctioned Grant-in-Aid under the **Modernization and Removal of Obsolescence (MODROB)** scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, <b>SARANATHAN COLLEGE OF ENGINEERING, VENKATESWARA NAGAR EDAMALAIPATTIPUDUR POST PANJAPPUR VILLAGE SRIRANGAM TALUK</b>		
2.	Title of Project:	Modernization of Power Electronics Lab for Integration of Renewable Energy Sources		
3.	Name of Coordinator:	Dr. KRISHNAKUMAR CHITTIBABU		
4.	Duration of the project:	2 years		
4.	Total Grant-in-aid Sanctioned:	<b>Total:</b> Rs.1376176/-	Non-Recurring (85%): Rs.1169749/-	Recurring (15%): Rs.206426/-
5.	Amount to be released during the year 2020-21:	<b>1<sup>st</sup> Installment</b> Rs.1100941/-	Non-Recurring (85%): Rs.935799/-	Recurring (15%): Rs.165141/-
6.	Sanctioned grant-in-aid is debatable to:	<b>Major Head 601.18(a) Gen. (Plan Head)</b>		

- The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of Director/Principal/Registrar of the Institute through RTGS/PFMS.
- This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

**The instructions/guidelines to be followed by University/Institution**

**1. Release of funds**

- The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:

F.No.9-128/IDC/MODROB/Policy-1/2019-20



No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAETS6115N	CITY UNION BANK	TIRUCHIRAPALLI MAIN	KALLI AMMAN KOIL STREET, SIGC CAMPUS, TIRUCHIRAPALLI - 620002	SARANATHAN COLLEGE OF ENGINEERING	Saving Account	023001000138318	CIUB0000023

In case of any omission the same should be reported to AICTE immediately.

- The sanction is issued in exercise of the powers delegated to the council and other terms & conditions laid down in the guidelines of the scheme.
- 100% grant of the sanctioned amount is being released to Government/Govt. Aided institutions. Utilization Certificate (UC) and other requisite documents are to be submitted within one month of the completion of the project.
- To self-financed/Pvt. Institutions 80% of the sanctioned amount is being released as first installment followed by 20% as reimbursement after receipt of UC and other requisite documents as specified in terms & Conditions of MODROB Scheme.

## II. Maintenance of accounts

- The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No. F.No.9-128/IDC/MODROB/Policy-1/2019-20 dated 20.07.2020 issued by this office. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained.
- Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant AICTE.
- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure (list enclosed).
- The Council or its nominee shall have the right to check /verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal / Director / Registrar shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior to the issuance of the approval letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project work within one month of the receipt of the grant, the approval shall ipso fact lapse.
- After receipt of the grant from AICTE, the Institute shall send a confirmation to AICTE within 2 months of receipt of grant that the sanctioned project has been started/is in progress.

## III. Refund of grant by way of a demand draft in favour of Member Secretary, AICTE, New Delhi

- If the college/institute does not have the Letter of Approval (LOA) or Extension of Approval issued by AICTE for the academic year 2020-21, the fund released should be immediately refunded to AICTE with interest accrued thereon.
- If project is not started within six months of the issuance of this Offer Letter, the released amount, along with interest accrued thereon, has to be necessarily returned to AICTE.
- In any case, if the institute is required to refund the grant or interest accrued thereon or balance amount, the amount will be refunded to AICTE.
- It may be ensured that the project is completed within the stipulated time. If the project is not completed in time, no further extension will be granted in any case and institute has to refund the entire amount to AICTE.



AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

#### **Submission of documents by college/institution after completion of Project/Subsequent years.**

The following mandatory relevant documents are required to be submitted by the college/institution within one month of the completion of the project: -

- a. Feedback form in the prescribed proforma.
- b. The **Annual Progress Report (APR)** in the prescribed format along with the original Statement of actual Expenditure in the prescribed proforma duly signed by the Head of the institution and shall be submitted to AICTE not later than one month after completion.
- c. The **Utilization Certificate (UC)** supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the AICTE immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council.
- d. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.
- e. **Program Evaluation Committee (PEC)** is required to be constituted at Institutional level. The constitution of the PEC shall be as under:
  - (i) Principal/Director/Registrar of the Institution (Chairperson)
  - (ii) Coordinator of the project (Member Secretary),
  - (iii) Two HODs and one subject expert (Members).

The members of the said PEC shall not be below the rank of Associate Professor. The minutes of the meetings are to be submitted to the Council at end of the project along with other mandatory documents.

- f. Project completion report project indicating the activities undertaking, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.
- g. Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.
- h. Photographs of equipment's purchased.
- i. The balance amount of the grant will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of the beneficiary institution.

#### **V. General instructions**

- a. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or AICTE shall adjust the same in the next installment of grant before its released.
- b. Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODROB project would mandatorily require prior approval of the Council. \*All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No.9-1/RIFD/MOD/Policy-1/2019-20 in your future correspondence.
- c. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the Grant-in-Aid and a register of assets shall be maintained by the Institute in the prescribed form i.e.GFR-19.
- d. The College / Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of

F.No.9-128/IDC/MODROB/Policy-1/2019-20

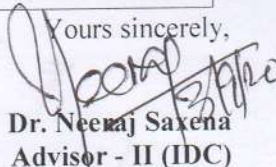


to/Department, which has been modernized using the grant. All the equipment procured through the project should be super scribed with AICTE project file number.  
The assets acquired wholly or substantially out of grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the AICTE and should at any time the institution cease to function, such assets shall revert to the AICTE.

- f. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.

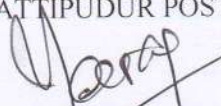
**List of Equipment's approved:**

Name of Equipments
Power Analyzer
Mixed Signal Oscilloscopes
FPGA Development Board
dSPACE
Data Logger/ Data Acquisition/ Control System/ IndicatorData Acquisitions
Solar PV Emulator
Digital Data Acquisitions

Yours sincerely,  
  
Dr. Neeraj Saxena  
Advisor - II (IDC)

Copy forwarded for information and necessary action to:

- Name and Address of the Coordinator,**  
Dr. KRISHNAKUMAR CHITTIBABU  
SARANATHAN COLLEGE OF ENGINEERING, VENKATESWARA NAGAR EDAMALAIPATTIPUDUR POST  
PANJAPPUR VILLAGE SRIRANGAM TALUK
- The Registrar / Director / Principal,**  
**Name and Address of the Coordinator,**  
Dr. KRISHNAKUMAR CHITTIBABU  
SARANATHAN COLLEGE OF ENGINEERING, VENKATESWARA NAGAR EDAMALAIPATTIPUDUR POST  
PANJAPPUR VILLAGE SRIRANGAM TALUK
- Guard File**

  
Dr. Neeraj Saxena  
Advisor - II (IDC)



**All India Council for Technical Education**  
(A Statutory body under Ministry of HRD, Govt. of India)  
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: [www.aicte-india.org](http://www.aicte-india.org)

**MODROB - Sanction Letter**

F.No.9-128/IDC/MODROB/Policy-1/2019-20

To

The Drawing and Disbursing Officer,  
All India Council for Technical  
Education, Nelson Mandela Marg,  
Vasant Kunj, New Delhi - 110070

**Sub:** Release of a sum of **Rs. 275235/- (Rupees Two Lakhs Seventy Five Thousand Two Hundred Thirty Five Only)** being the 2<sup>nd</sup> installment **Grant-in-Aid** under the scheme **Modernization and Removal of Obsolescence (MODROB)** for the year **2019-20** payable during the current financial year **2022-23**- reg.

Sir,

With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council for payment of **Rs.1376176/- (Rupees Thirteen Lakh SeventySix Thousand One Hundred SeventySix Only)** as sanctioned Grant-in-Aid under the **Modernization and Removal of Obsolescence (MODROB)** scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, <b>SARANATHAN COLLEGE OF ENGINEERING, VENKATESWARA NAGAR EDAMALAIPATTIPUDUR POST PANJAPPUR VILLAGE SRIRANGAM TALUK</b>		
2.	Title of Project:	Modernization of Power Electronics Lab for Integration of Renewable Energy Sources		
3.	Name of Coordinator:	Dr. KRISHNAKUMAR CHITTIBABU		
4.	Duration of the project:	2 years		
4.	Total Grant-in-aid Sanctioned:	<b>Total:</b> Rs.1376176/-	Non-Recurring (85%): Rs.1169749/-	Recurring (15%): Rs.206426/-
5.	Amount to be released during the year 2022-23:	<b>2<sup>nd</sup> Installment</b> Rs.275235 /-	Non-Recurring (85%): Rs.233950/-	Recurring (15%): Rs.41285/-
6.	Sanctioned grant-in-aid is debatable to:	<b>Major Head 602.34 (Non-Plan Head)</b>		

1. The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of Director/Principal/ Registrar of the Institute through RTGS/PFMS.
2. This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

**The instructions/guidelines to be followed by University/Institution**

**I. Release of funds**

- a. The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:

F.No.9-128/IDC/MODROB/Policy-1/2019-20

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAETS6115N	CITY UNION BANK	TIRUCHIRAPALLI MAIN	KALLI AMMAN KOIL STREET, SIGC CAMPUS, TIRUCHIRAPALLI - 620002	SARANATHAN COLLEGE OF ENGINEERING	Saving Account	023001001920789	CIUB0000023

In case of any omission the same should be reported to AICTE immediately.

- The sanction is issued in exercise of the powers delegated to the council and other terms & conditions laid down in the guidelines of the scheme.
- 100% grant of the sanctioned amount is being released to Government/Govt. Aided institutions. Utilization Certificate (UC) and other requisite documents are to be submitted within one month of the completion of the project.
- To self-financed/Pvt. Institutions 80% of the sanctioned amount is being released as final installment followed by 20% as reimbursement after receipt of UC and other requisite documents as specified in terms & Conditions of MODROB Scheme.

## II. Maintenance of accounts

- The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No. F.No.9-128/IDC/MODROB/Policy-1/2019-20 dated 20.07.2020 issued by this office. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained.
- Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant AICTE.
- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure (list enclosed).
- The Council or its nominee shall have the right to check /verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal / Director / Registrar shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior to the issuance of the approval letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project work within one month of the receipt of the grant, the approval shall ipso fact lapse.
- After receipt of the grant from AICTE, the Institute shall send a confirmation to AICTE within 2 months of receipt of grant that the sanctioned project has been started/is in progress.

## III. Refund of grant by way of a demand draft in favour of Member Secretary, AICTE, New Delhi

- If the college/institute does not have the Letter of Approval (LOA) or Extension of Approval issued by AICTE for the academic year 2019-20, the fund released should be immediately refunded to AICTE with interest accrued thereon.
- If project is not started within six months of the issuance of this Offer Letter, the released amount, along with interest accrued thereon, has to be necessarily returned to AICTE.
- In any case, if the institute is required to refund the grant or interest accrued thereon or balance amount, the amount will be refunded to AICTE.
- It may be ensured that the project is completed within the stipulated time. If the project is not completed in time, no further extension will be granted in any case and institute has to refund the entire amount to AICTE.
- As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

F.No.9-128/IDC/MODROB/Policy-1/2019-20



#### IV. Submission of documents by college/institution after completion of Project/Subsequent years.

The following mandatory relevant documents are required to be submitted by the college/institution within one month of the completion of the project: -

- a. Feedback form in the prescribed proforma.
- b. The **Annual Progress Report (APR)** in the prescribed format along with the original Statement of actual Expenditure in the prescribed proforma duly signed by the Head of the institution and shall be submitted to AICTE not later than one month after completion.
- c. The **Utilization Certificate (UC)** supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the AICTE immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council.
- d. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.
- e. **Program Evaluation Committee (PEC)** is required to be constituted at Institutional level. The constitution of the PEC shall be asunder:
  - (i) Principal/Director/Registrar of the Institution(Chairperson)
  - (ii) Coordinator of the project (Member Secretary),
  - (iii) Two HODs and one subject expert(Members).

The members of the said PEC shall not be below the rank of Associate Professor. The minutes of the meetings are to be submitted to the Council at end of the project along with other mandatory documents.

- f. Project completion report project indicating the activities undertaking, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.
- g. Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.
- h. Photographs of equipment's purchased.
- i. The balance amount of the grant will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of the beneficiary institution.

#### V. General instructions

- a. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or AICTE shall adjust the same in the next installment of grant before its released.
- b. Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODROB project would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No.9-128/RIFD/MOD/Policy-1/2019-20 in your future correspondence.
- c. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the Grant-in-Aid and a register of assets shall be maintained by the Institute in the prescribed form i.e.GFR-19.
- d. The College / Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of the Lab/Department, which has been modernized using the grant. All the equipment procured through the

F.No.9-128/IDC/MODROB/Policy-1/2019-20

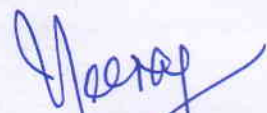
project should be super scribed with AICTE project file number.

- e. The assets acquired wholly or substantially out of grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the AICTE and should at any time the institution cease to function, such assets shall revert to the AICTE.
- f. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.

**List of Equipment's approved:**

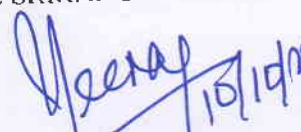
Name of Equipments
Power Analyzer
Mixed Signal Oscilloscopes
FPGA Development Board
dSPACE
Data Logger/ Data Acquisition/ Control System/ IndicatorData Acquisitions
Solar PV Emulator
Digital Data Acquisitions

Yours sincerely,

  
Dr. Neeraj Saxena  
Advisor - I (IDC)

Copy forwarded for information and necessary action to:

1. Name and Address of the Coordinator,  
Dr. KRISHNAKUMAR CHITTIBABU  
SARANATHAN COLLEGE OF ENGINEERING,  
VENKATESWARA NAGAR EDAMALAIPATTIPUDUR POST PANJAPPUR VILLAGE SRIRANGAM TALUK  
620012
2. The Registrar / Director / Principal,  
DR.D.VALAVAN  
SARANATHAN COLLEGE OF ENGINEERING  
VENKATESWARA NAGAR EDAMALAIPATTIPUDUR POST PANJAPPUR VILLAGE SRIRANGAM TALUK  
620012
3. Guard File

  
Dr. Neeraj Saxena  
Advisor - I (IDC)

F.No.9-128/IDC/MODROB/Policy-1/2019-20



# All India Council for Technical Education

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110070  
Agency Registration Form for PFMS (Public Financial Management System)

Institute/Agency Details	
PFMS Agency Code (If already registered on PFMS Portal)	see
Whether Account Number is mapped with AICTE (0917)	Yes
Name of the Institute/Agency	SARANATHAN COLLEGE OF ENGINEERING
Permanent ID	1-4190371
Act/Registration No.	1975 /32 /2004
Registration Date	22-Mar-2004
Registering Authority	Registrar of Societies
State of Registration	Tamilnadu
PAN Number	AAETS6115N
PAN verify Status	Yes
GST Number	Not Applicable
Head of Institute	Principal
Type of Institute	Self Finance
Address of the Institute	Venkateswara Nagar, Madurni Road, Panjappur, Edamalaiipattipudur-PO
State	Tamilnadu
District	Tiruchirappalli
City	Tiruchirappalli
Rural/Urban	Urban
Pin Code	620012

Person Details of Institution for registration in PFMS Portal by AICTE	
Contact Person Name	Dr. D. VALAVAN
Designation	Principal
Mobile No.	9894770063
Email ID	secretary@saranathan.ac.in

Bank Details	
Name of Bank	CITY UNION BANK LTD
Branch Details	TIRUCHIRAPPALLI MAIN BRANCH
Account Type (Saving/Current)	SAVING
Name of Account Holder (Institute/Director/Principal only)*	SARANATHAN COLLEGE OF ENGINEERING
Account Number	023001001920789
IFS Code	CIUB000023

It is declared that all information we have provided are true in all respect.

Signature of Head of Institution  
**Dr. D. Valavan, M.Tech., Ph.D.,**  
Principal  
Saranathan College of Engineering  
Trichy - 12.



## AUDITED UTILIZATION CERTIFICATE

1. Certified that out of Rs. 13,76,176/- of Grant-in – Aid sanctioned during the year 2020-2021 Letter No 9-128/IDC /MODRO/Policy-1/2019-20 dated 22-07-2020, Rs 13,76,176/- has been fully utilized for the purpose of **Modernization of Power Electronics Lab for Integration of Renewable Energy Sources** for which it was sanctioned and the balance of Rs.-----NIL----- remaining utilized at the end of the year has been surrendered to ALL INDIA COUNCIL FOR TECHNICAL EDUCATION ( vide. No ----- dated -----) / will be adjusted towards the Grants – in -aid ( payable during the next year i.e., ----- as per the details attached.
2. Certified that the Grant has been utilized as per laid down terms and conditions for which it was sanctioned.

Financial Officer  
(Signature and Seal with date)



Registrar/Director/Principal

(Signature and Seal with date)

PRINCIPAL  
Saranathan College of Engineering  
TRICHY - 12.

For M.RAJU & Co.,  
CHARTERED ACCOUNTANTS

A.KUMAR  
M.No.026517  
PROPRIETOR  
Chartered Accountant

(Signature and Seal with date)

M.RAJU & CO  
CHARTERED ACCOUNTANTS  
20, ANIRASA COMPLEX,  
23, SARANATHAN PURAM  
OFFICE OF LONY, TRICHY,  
TRICHY - 620 017







**TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY**  
DOTE CAMPUS, CHENNAI-600025


**STUDENT PROJECT SCHEME 2021-2022**  
**UTILISATION CERTIFICATE**

1. Name of the guide and address : Mr.B.Paranthagan  
Associate Professor, Department of  
EEE, Saranathan College of  
Engineering, Trichy-12
2. Name of the student(s) : S.B.Mithun Raja, S.Rohith,  
R.Giridharan and M.JaganNivas
3. Title of the project : Implementation of Peltier Module  
Based Iron Box Powered by Battery
4. Project code : EEE - 1653

It is certified that a sum of Rs.7500/- (Rupees Seven Thousand and Five Hundred only) 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.....remaining utilized is refunded.

  
Signature of the guide

  
Signature of the HoD  
H.O.D. (EEE)  
Saranathan College of Engg.,  
Trichirapalli - 620 012.

  
Signature of the Principal  
PRINCIPAL  
Saranathan College of Engineering  
TRICHY - 12.

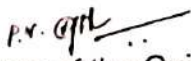
TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY  
DOTE CAMPUS, CHENNAI - 600 025


STUDENT PROJECT SCHEME 2021-2022  
UTILISATION CERTIFICATE


(TWO COPIES)

1. Name of the guide and address : Mr. P.V. Rajesh,  
Assistant Professor,  
Department of Mechanical Engineering,  
Saranathan College of Engineering,  
Trichy - 620012
2. Name of the student(s) : A. Antony Prabakaran, S. Anand,  
M. Ganesh Kumar, T. Eswar.
3. Title of the project : Design and Fabrication of Punch and Die  
Assembly for Powder Forming Method
4. Project code : EME - 598

It is certified that a sum of Rs.7500/- (Rupees Seven thousand five hundred only) 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.NIL remaining unutilized is refunded.

  
Signature of the Guide

  
Signature of the HOD  
**Head of the Department**  
**Mechanical Engineering**  
**Saranathan College of Engineering**  
**Trichirappalli - 620 012**

  
Signature of the  
REGISTRAR/PRINCIPAL/DEAN  
With SEAL

**PRINCIPAL**  
**Saranathan College of Engineering**  
**TRICHY - 12.**







**Saranathan College of Engineering**  
**Tiruchirappalli-620 012**  
**Department of Mechanical Engineering**

**Expenditure Details**

Submitted to the Principal

Project Code : EMB - 598

Title : Design and Fabrication of Punch and Die Assembly for Powder Forming Method

Received Amount: Rs.7500/-

S. No.	Date	Bill No	Description	Amount (Rs.)
1.	02-05-2022	143	Material Purchase Cost: SS Round Bar (50 mm) HCHCR Round (25 mm)	3056.00
2.	02-05-2022	289	Material Purchase Cost: MS Round (160 mm)	1869.00
3.	13-05-2022	003	Machining and Labour Cost: MS (Dia 160 mm & length 100 mm) Drilling and facing: SS (Dia 50 mm & length 100 mm) Hole (Dia 25 mm) Facing, Turning & Welding: Die steel (Dia 25 mm & length 100 mm)	3000.00
Total Amount				7925

Names of the Students: A.Antony Prabakaran, S.Anand, M.Ganesh Kumar and T.Eswar

Project Guide:  
Mr. P.V.Rajesh



HOD/Mech.  
**Head of the Department**  
Mechanical Engineering  
Saranathan College of Engineering  
Tiruchirappalli - 620 012

Principal  
**PRINCIPAL**  
Saranathan College of Engineering  
TRICHY - 12.



From

Dr. S. Priyarega  
Assistant Professor  
Department of Chemistry  
Saranathan College of Engineering  
Tiruchirappalli - 620 012

To

The Principal  
Saranathan College of Engineering  
Tiruchirappalli - 620 012

Through

The HoD, Chemistry

Respected Sir

Sub: Requisition to issue UC for Student Project Scheme grant - reg.

Ref: Project I.D. : PS-395

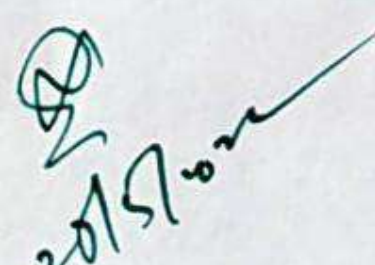
Title of the project: Conversion of biomass derived levulinic acid by Phosphazene based Covalent Organic Polymer (P-COP)

The Tamil Nadu State Council for Science and Technology (TNSCST) has sanctioned a grant of Rs. 7,500/- (Seven Thousand Five Hundred only) for the project proposal selected under the Student Project Scheme. The project was successfully completed by using an equipment 'Water bath rectangular-double walled'. The expenditure incurred for the procurement of above said item is attached along with the necessary bill. I kindly request you to grant Utilization Certificate (UC) as it is to be submitted to the council.

Thanking You

S. Priyarega  
Yours Sincerely 27/5/22

Place : Trichy-12  
Date : 27-05-2022

  
PRINCIPAL  
Saranathan College of Engineering  
TRICHY - 12.





# Saranathan College of Engineering

Tiruchirappalli-620 012

## Department of Chemistry

### Expenditure Details

#### Submitted to the Principal

Project Code : PS-395

Title : Conversion of biomass derived Levulinic acid by  
Phosphazene based Covalent Organic Polymer(P-COP)

Received Amount: Rs.7500/-

S. No.	Date	Bill No	Description	Amount (Rs.)
1.	27-05-2022	PSCTRY2223/00462	WATER BATH RECTANGULAR - DOUBLE WALLED [THERMOSTATIC CONTROL] [SIZE: 300 X 250 X 100 MM, HOLES :6, DIA: 75MM]	9000
Total Amount				9000

Names of the Student: S. Charulatha & S.S.Soumiya (IV B.E Civil Engineering)

*S. Priya*  
27/5/22  
Project Guide  
Coor. S. PRIYAREGA

*Dr. L. Murugan*  
27/5/22  
HOD  
(Dr. L. MURUGANANDAM)  
H.O.D. / CHEMISTRY  
Saranathan College of Engineering  
Tiruchirappalli - 620 012.

*Principal*  
Principal  
PRINCIPAL  
Saranathan College of Engineering  
TRICHY - 12.



Original

TAX INVOICE



# THE PRECISION SCIENTIFIC CO.(CBE)

C-6, 2nd Cross, N.E.E, Thillai Nagar, Trichy-620018  
 Mail: pscry@gmail.com, trichy@psccbe.com, Web : www.pscbe.com  
 Mobile : 97860 22532, Ph : 0431-2764014, 2750831  
 DL Nos : CBE/2006/20B/17-5-01, CBE/1864/21B 17-5-01  
 STATE CODE : 33 - GSTIN : 33ACOPC4845P1Z6 - PAN : ACOPC4845P

INVOICE NO : PSCTRY2223/00462 DATE : 27-05-2022  
 PO NO : PO DATE :  
 QT No : QT DATE :  
 Department :  
 DC No : 480 DC DATE : 25-05-2022  
 TAX IS PAY ON REVERSE CHARGE : YES/NO

IRN:  
 Ack.No : Ack.Date :  
 Document Type: Document No : PSCTRY2223/00462  
 Category : B2C E Way Bill No :  
 Transporter Name : Veh No :  
 LR No: LR Date :

## Detail of Receiver (Billed To) :

DR.S.PRIYAREGA, ASSISTANT PROFESSOR, DEPARTMENT OF  
 CHEMISTRY,  
 SARANATHAN COLLEGE OF ENGINEERING  
 PANJAPPUR  
 TRICHY  
 TRICHY-620012, Mobile : 08489915204,  
 GSTIN : None

## Detail of Consignee (Shipped To) :

DR.S.PRIYAREGA, ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY,  
 SARANATHAN COLLEGE OF ENGINEERING  
 PANJAPPUR  
 TRICHY  
 TRICHY-620012, Mobile : 08489915204,  
 GSTIN : None

S.No	Description of Goods	HSN	Qty	Rate	UOM	GST%	Total
1	WATER BATH RECTANGULAR - DOUBLE WALLED (THERMOSTATIC CONTROL) [SIZE: 300 X 250 X 100 MM, HOLES -5, DIA: 75MM]	9027	1	7527.00	NOS	18	7527.00
TOTAL			1	₹ 7,627.00			

## BANK DETAILS

Name : The Precision Scientific Co.(CBE) A/C No : 10256885066 & 40325003471  
 Bank : State Bank of India Branch Code : 03778  
 Branch: Woraiyur(Trichy) IFSC : SBIN0003778  
 Type : Current Account MICR : 620002015

Total Amt In Words : INR Nine Thousand only.

Tax Amt In Words : INR One Thousand Three Hundred And Seventy Two and Eighty Six Paise only.

SGST 9% 686.43  
 CGST 9% 686.43  
 Round Off 0.14  
 Grand Total ₹ 9,000.00

\* Not For Medicinal Use - only For Laboratory Use. \* All Disputes are Subject To Coimbatore  
 Jurisdiction Only. \* Goods Once sold Cannot Be Taken Back. \* Incase Payment is Not Made Within a  
 month from the date of bill, interest will be charged at 30% per annum.

For The Precision Scientific Co.(CBE)

Authorised Signatory

Regd.Off : 1, Thirumalaiswamy Naidu St, New Sidhapudur, Coimbatore-641044.

Page 1 / 1

S. Jeyapriya  
 27/5/22

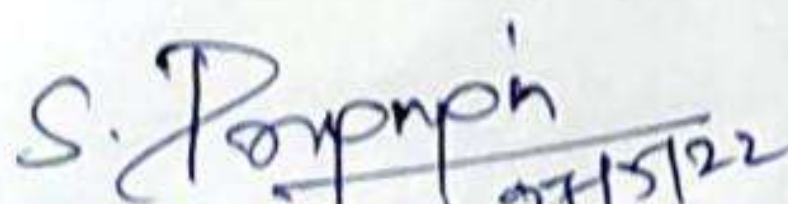


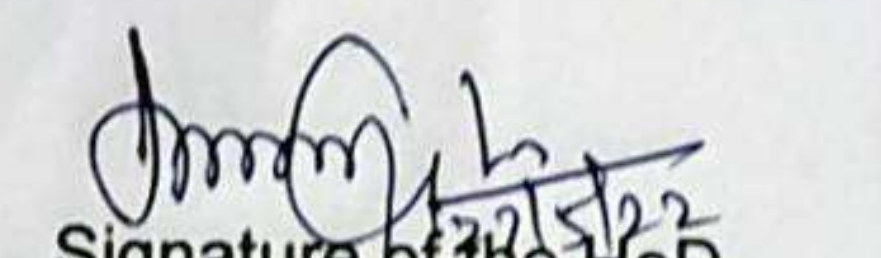
TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY  
DOTE CAMPUS, CHENNAI-600025


STUDENT PROJECT SCHEME 2021-2022  
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Signature of the HoD  
(Dr. L. MURUGANANDAM)  
H.O.D. / CHEMISTRY  
Saranathan College of Engineering  
Tiruchirapalli - 620 012.

  
Signature of the Principal  
PRINCIPAL  
Saranathan College of Engineering  
TRICHY - 12.