



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

Criterion III – Research, Innovations and Extension

3.2 Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

List of project and grant details:

3.2.1 Details of grants received from Government and Non-governmental agencies for research projects, endowments, Chairs in the institution during the year (INR in lakhs), 3.2.2 Details of teachers having research projects during the year & 3.2.4 Details of Departments having research projects funded by Government and/or Non-government agencies during the year

Name of the Principal Investigator/ Co-Investigator (if applicable)	Department of the Principal Investigator/ Co-Investigator	Name of the Funding Agency	Type (Gov-ern-ment/Non-Govern-ment)	Funds pro-vided (INR in lakhs)	Month and Year of receiv-ing the grant	Duration of the Project
Ms. S. Athilakshmi	Computer Science and Engineering	FAER	Non-Government	0.06	Dec-2022	6 months
Dr.N. M. Mary Sindhuja	Electronics and Communication Engineering	TNSCST	Government	0.075	May-2022	6 months
Dr. R. Shyam Kumar	Bio Technology	FAER	Non-Government	0.06	Dec-2022	6 months
Dr. S. Karthikumar	Bio Technology	TNSCST	Government	0.075	May-2022	7 months
Dr. R. Shyam Kumar	Bio Technology	TNSCST	Government	0.075	May-2022	6 months
Dr. I .Ganesh Moorthy	Bio Technology	TNSCST	Government	0.075	May-2022	6 months
Dr. A. Ronaldo Anuf	Bio Technology	TNSCST	Government	0.075	May-2022	6 months
Dr. B .Gurukarthik Babu	Electrical and Electronics Engineering	TNSCST	Government	0.075	May-2022	6 months
Dr. D. Prince Winston	Electrical and Electronics Engineering	AICTE	Government	1.5	Nov-2019	3 years
Mr. T. Suresh	Mechanical Engineering	TNSCST	Government	0.075	May-2022	6 months
Mr. B. Prabhu	Mechanical Engineering	FAER	Non-Government	0.06	May-2022	6 months
Mr. P. Ponkarthikeyan	Civil Engineering	TNSCST	Government	0.075	May-2022	6 months

Total Amount in Lakhs

2.28

Announcement of Short-listed teams for FAER Integra Scholar Program 2023

FAER Admin <office@faer.ac.in>

Mon 12/5/2022 5:59 PM

To: yashwantram2002@gmail.com <yashwantram2002@gmail.com>; siva.saarathi23@gmail.com <siva.saarathi23@gmail.com>; Athilakshmi.S <athilakshmicse@kamarajengg.edu.in>

Cc: Dksubra <dksubra@gmail.com>

 2 attachments (267 KB)

Agreement letter format-2023.pdf; Short-listed Projects Announcement.pdf;

Dear Participants,

Congratulations! On behalf of FAER- Integra Scholar Program, we wish to congratulate you and your team. Your project proposal named "**P-33 Zero Crashes Initiative**" was short listed in the first round for "**FAER-Integra Scholar Award Program 2023**".

General instructions to all- Students, Faculty and Colleges

1. Give us an undertaking stating that we will not submit this project for any other contest. Provide details like home address, email id and mobile no of all participating students (not one only) and faculty supervisor.
2. Please provide bonafide student certificate from principal for all students.
3. In-case signatures are not provided please resubmit the proposal with all required signatures ,other wise proposal will be disqualified. Where your proposal is not as per format please resubmit.
4. Resubmit your action plan including work time, procurement time, deliverables etc.
5. Submit monthly progress report. we want the students to maintain a journal and send us a report at the end of month.
6. Mentors will be appointed to advice you please follow the advice of your mentor to avoid disqualification and send regular monthly project reports with videos of work
7. Communicate regularly with the mentor and FAER office.
8. Compliance to rules, adherence to time are important.
9. Submit your PPT, four page summary with results and photos, and a Video of Demo to FAER office which will be used for final evaluation.
10. Budget is restricted to a max of Rs 6000 /- only. Equipment, software, devices, travel, printing charges, honorarium etc are not allowed, use it for consumables only. We will only reimburse those expenses which are approved by President.
11. **You need to complete the project (as specified in your proposal) by May 2023 and a Final report to be submitted to FAER by 30 May 2023**
12. The Final evaluation will be done virtually.

The next course of action required from your side are : .

1. Please submit a one page write up for the project. it will go to mentors.
2. You may go ahead with your work. don't wait for anything.
3. Keep in touch with mentors once that is announced. listen and act according to mentors advice. mentor is there to help you.
4. PFA the **Agreement Letter format** for your reference, it should reach our office by **20th January 2023**

Please contact FAER Office if you need any further clarifications.

Thanking you,

Sincerely yours,

Sridhar Karra

Secretary

1/11/23, 1:48 PM

Mail - Athilakshmi.S - Outlook

Foundation for Advancement of Education and Research
G5, Swiss Complex,
33, Race Course Road
Bangalore - 560001
E-mail: office@faer.ac.in



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

Ph : 044-22301428, Telefax : 044-22301552 www.tanscst.nic.in

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

Lr.No.TNSCST/SPS/2021-2022/

11.03.2022

To
The Principal
Kamaraj College of Engg.and Technology
K.Vellakulam- 625701, Near Virudhunagar

copy to
IETC.
S/-

Sir/Madam,

Sub: TNSCST – Student Project Scheme (2021-2022) – 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 in time.

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-No.5&6) on completion of the project.

Thanking you,

Yours faithfully,


Member Secretary.

- Encl: a) Terms & Conditions (T&C)
b) Format of Utilisation Certificate (UC)
c) Cheque for Rs. 60,000/- No:207204 dt: 11.03.2022

Copy to: The individual guides

1	Dr. S. Karthikumar Assistant Professor, Department of Biotechnology Kamaraj College of Engg. and Technology K.Vellakulam- 625701, Near Virudhunagar	Cost effective method development for C- Phycocyanin recovery from Spirulina plantensis using Ohmic Heating Approach	G.Janakiraman R.Akash R.S.Vishnu Shagar	BS-560	The Principal	7500/-
2	Dr.B.Gurukarthik Babu Assistant Professor, Department of EEE Kamaraj College of Engg. and Technology K.Vellakulam- 625701, Near Virudhunagar	Eco-friendly technique for palatable water generation from atmospheric air using Industrial sludges and aquatic husks in PV/T module imbibed with Random forest technique and IoT analytics	Pothiraj. P	ES-224	The Principal	7500/-
3	Dr.N.M.Mary Sindhuja Assistant Professor, Department of ECE Kamaraj College of Engineering and Technology K.Vellakulam- 625701, Near Virudhunagar	Power saving using motion sensor in public spaces	K.Shenbaga Devi, U.Rajalakshmi, N.Madhu Sivani	EEE-0476	The Principal	7500/-
4	Dr.Shyam kumar Rajaram Associate Professor, Department of Biotechnology Kamaraj College of Engineering and Technology K.Vellakulam, Near Virudhunagar-625701	Cost Effective rice water based green composite film development for food packaging	A.Vinnarasi	AS-036	The Principal	7500/-

5	Mr.T.Suresh Assistant Professor, Department of Mechanical Engineering Kamaraj College of Engineering and Technology K.Vellakulam- 625701, Near Virudhunagar	Design and Fabrication of Solar Operated Litter Raking Machine for Poultry Farm	J.Bala Vignesh S.Satheesh Kumar T.Navaneetha Krishnan	EME-0451	The Principal	7500/-
6	Mr.P.Ponkarthikeyan Assistant Professor, Department of Civil Engineering Kamaraj College of Engineering and Technology K.Vellakulam- 625701, Near Virudhunagar	Optimization Of COD Removal From Domestic Wastewater By Response Surface Methodology	V.Naveenkumar, V.Harishkumar, S.Sankaramahadh evan	ECV-030	The Principal	7500/-
7	Dr.I.Ganesh Moorthy Associate Professor, Department of Biotechnology Kamaraj College of Engineering and Technology K.Vellakulam-625701, Near Virudhunagar	Development of agrowaste based heterogeneous catalyst for the production of biodiesel from used cooking oil	R.Akash, M.Areef Sulaiman, P.Bhaves Chandru	CHE-208	The Principal	7500/-
8	Dr.A.Ronaldo Anuf Assistant Professor, Department of Biotechnology Kamaraj College of Engineering and Technology K.Vellakulam-625701, Near Virudhunagar	Evaluation of Antioxidant and Apoptotic potential of phytoconstituents isolated from Artocarpus heterophyllus Peel	V.B.Nivethitha	MS-114	The Principal	7500/-

TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY


DOTE CAMPUS, CHENNAI - 600 025

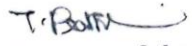
STUDENT PROJECT SCHEME 2021-2022


UTILISATION CERTIFICATE

- | | |
|----------------------------------|--|
| 1. Name of the guide and address | : Dr. N.M.Mary Sindhuja,
Assistant Professor / ECE,
Kamaraj College of Engineering and Technology,
K.Vellakulam - 625 701, Near Virudhunagar. |
| 2. Name of the student | :K.Shenbaga Devi, U.Rajalakshimi, N.Madhu Sivani |
| 3. Title of the project | :Power saving using Motion Sensor in Public Spaces |
| 4. Project code | :EEE-0476 |

It is certified that a sum of Rs. 7,500.00/- (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. 0.00/- (Rupees Zero only) remaining unutilized is refunded.


Signature of the Guide


Signature of the HOD


Signature of the Principal
Dr. S. SENYIN, M.Sc.
PRINCIPAL (Mc)
KAMARAJ College of Engineering and Technology
(Autonomous)
C.P.G. Chidambaram Nadar - C. Nagammal Campus



Shyamkumar Rajaram <kingshyam2003@gmail.com>

Announcement of Short-listed teams for FAER Integra Scholar Program 2023

1 message

FAER Admin <office@faer.ac.in>

Mon, Dec 5, 2022 at 5:27 PM

To: mousi19ubte025@gmail.com, kingshyam2003@gmail.com

Cc: Dksubra <dksubra@gmail.com>

Dear Participants,

Congratulations! On behalf of FAER- Integra Scholar Program, we wish to congratulate you and your team. Your project proposal named **"P-06 Fabrication Of Thin Biofilm Using Boiled Rice Water Reinforced With Microalgae, "An Eco-Friendly Approach"** was short listed in the first round for **"FAER-Integra Scholar Award Program 2023"**.

General instructions to all- Students, Faculty and Colleges

1. Give us an undertaking stating that we will not submit this project for any other contest. Provide details like home address, email id and mobile no of all participating students (not one only) and faculty supervisor.
2. Please provide bonafide student certificate from principal for all students.
3. In-case signatures are not provided please resubmit the proposal with all required signatures ,other wise proposal will be disqualified. Where your proposal is not as per format please resubmit.
4. Resubmit your action plan including work time, procurement time, deliverables etc.
5. Submit monthly progress report. we want the students to maintain a journal and send us a report at the end of month.
6. Mentors will be appointed to advice you please follow the advice of your mentor to avoid disqualification and send regular monthly project reports with videos of work
7. Communicate regularly with the mentor and FAER office.
8. Compliance to rules, adherence to time are important.
9. Submit your PPT, four page summary with results and photos, and a Video of Demo to FAER office which will be used for final evaluation.
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- 4. PFA the Agreement Letter format for your reference, it should reach our office by 20th January 2023**

Please contact FAER Office if you need any further clarifications.

Thanking you,

Sincerely yours,

Sridhar Karra

Secretary

Foundation for Advancement of Education and Research
G5, Swiss Complex,
33, Race Course Road
Bangalore - 560001
E-mail: office@faer.ac.in

2 attachments



Short-listed Projects Announcement.xls
38K



Agreement letter format-2023.pdf
150K



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Member Secretary

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To
The Principal
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Member Secretary.

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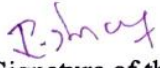
TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
DOTE Campus, Chennai - 600025

STUDENT PROJECT SCHEME 2021-2022
UTILISATION CERTIFICATE

- 1. Name of the Guide and address:** Dr. S. KARTHIKUMAR, Associate professor,
Department of Biotechnology, Kamaraj College
of Engineering and Technology, K. Vellakulam,
near Virudhunagar, Madurai (Dt) - 625701
- 2. Name of the Student(s):** R. S. VISHNU SHAGAR
G. JANAKIRAMAN
R. AKASH
- 3. Title of the Project:** COST EFFECTIVE METHOD
DEVELOPMENT FOR C-
PHYCOCYANIN RECOVERY FROM
Spirulina plantensis USING OHMIC
HEATING APPROACH..
- 4. Project Code:** BS-560

It is certified that a sum of Rs. 7500/- 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. 0/- remaining unutilized is refunded.


Signature of the Guide


Signature of the HOD
HOD
DEPT. OF BIOTECHNOLOGY
Kamaraj College of Engineering & Technology
VIRUDHUNAGAR.


Signature of the
REGISTRAR/ PRINCIPAL/
DEAN with SEAL
Dr. S. SENTHIL, M.E., Ph.D.,
PRINCIPAL (I/c)
KAMARAJ College of Engineering and Technology
(Autonomous)
S.P.G. Chidambara Nadar - C. Nagamall Campus,
S.P.G.C. Nagar, K. Vellakulam - 625 701.
(Near VIRUDHUNAGAR).



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

Ph : 044-22301428, Telefax : 044-22301552 www.tanscst.nic.in

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

Lr.No.TNSCST/SPS/2021-2022/

11.03.2022

To
The Principal
Kamaraj College of Engg.and Technology
K.Vellakulam- 625701, Near Virudhunagar

copy to
IETC.
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Sir/Madam,

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release- reg.

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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-No.5&6) on completion of the project.

Thanking you,

Yours faithfully,

Member Secretary.

- Encl: a) Terms & Conditions (T&C)
b) Format of Utilisation Certificate (UC)
c) Cheque for Rs. 60,000/- No:207204 dt: 11.03.2022

Copy to: The individual guides

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TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

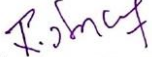
DOTe Campus, Chennai - 600025

STUDENT PROJECT SCHEME 2021-2022


UTILISATION CERTIFICATE

1. Name of the Guide and address: Dr. R. Shyam Kumar
Associate Professor
Department of Biotechnology
Kamaraj College of Engineering and
Technology
K. Vellakulam - 625701
(Near Virudhunagar)
2. Name of the Student(s): A. Vinnarasi
3. Title of the Project: Cost effective rice water based green
composite film development for food
packaging
4. Project Code: AS-036

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. 0/- remaining unutilized is refunded.


Signature of the Guide

Dr. R. SHYAM KUMAR
Professor - Dept. of Biotech.,
Kamaraj College of Engg. & Tech.,
Virudhunagar - 626 001.


Signature of the HOD
HOD

DEPT. OF BIOTECHNOLOGY
Kamaraj College of Engineering & Technology with SEAL
VIRUDHUNAGAR.

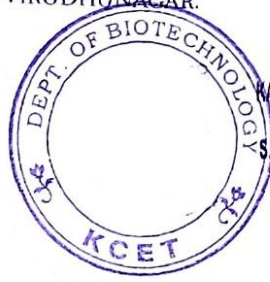

Signature of the

Dr. S. SENTHIL, M.E., Ph.D.

PRINCIPAL (IC)

KAMARAJ College of Engineering and Technology
(Autonomous)

S.P.G. Chidambara Nadar - C. Nagammal Campus,
S.P.G.C. Nagar, K. Vellakulam - 625 701.
(Near VIRUDHUNAGAR).





தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
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11.03.2022

To
The Principal
Kamaraj College of Engg.and Technology
K.Vellakulam- 625701, Near Virudhunagar

copy to
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Sir/Madam,

Sub: TNSCST – Student Project Scheme (2021-2022) – 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 in time.

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-No.5&6) on completion of the project.

Thanking you,

Yours faithfully,

Member Secretary.

- Encl: a) Terms & Conditions (T&C)
b) Format of Utilisation Certificate (UC)
c) Cheque for Rs. 60,000/- No:207204 dt: 11.03.2022

Copy to: The individual guides

1	Dr. S. Karthikumar Assistant Professor, Department of Biotechnology Kamaraj College of Engg. and Technology K.Vellakulam- 625701, Near Virudhunagar	Cost effective method development for C- Phycocyanin recovery from Spirulina plantensis using Ohmic Heating Approach	G.Janakiraman R.Akash R.S.Vishnu Shagar	BS-560	The Principal	7500/-
2	Dr.B.Gurukarthik Babu Assistant Professor, Department of EEE Kamaraj College of Engg. and Technology K.Vellakulam- 625701, Near Virudhunagar	Eco-friendly technique for palatable water generation from atmospheric air using Industrial sludges and aquatic husks in PV/T module imbibed with Random forest technique and IoT analytics	Pothiraj. P	ES-224	The Principal	7500/-
3	Dr.N.M.Mary Sindhuja Assistant Professor, Department of ECE Kamaraj College of Engineering and Technology K.Vellakulam- 625701, Near Virudhunagar	Power saving using motion sensor in public spaces	K.Shenbaga Devi, U.Rajalakshmi, N.Madhu Sivani	EEE-0476	The Principal	7500/-
4	Dr.Shyam kumar Rajaram Associate Professor, Department of Biotechnology Kamaraj College of Engineering and Technology K.Vellakulam, Near Virudhunagar-625701	Cost Effective rice water based green composite film development for food packaging	A.Vinnarasi	AS-036	The Principal	7500/-

5	Mr.T.Suresh Assistant Professor, Department of Mechanical Engineering Kamaraj College of Engineering and Technology K.Vellakulam- 625701, Near Virudhunagar	Design and Fabrication of Solar Operated Litter Raking Machine for Poultry Farm	J.Bala Vignesh S.Satheesh Kumar T.Navaneetha Krishnan	EME-0451	The Principal	7500/-
6	Mr.P.Ponkarthikeyan Assistant Professor, Department of Civil Engineering Kamaraj College of Engineering and Technology K.Vellakulam- 625701, Near Virudhunagar	Optimization Of COD Removal From Domestic Wastewater By Response Surface Methodology	V.Naveenkumar, V.Harishkumar, S.Sankaramahadh evan	ECV-030	The Principal	7500/-
7	Dr.I.Ganesh Moorthy Associate Professor, Department of Biotechnology Kamaraj College of Engineering and Technology K.Vellakulam-625701, Near Virudhunagar	Development of agrowaste based heterogeneous catalyst for the production of biodiesel from used cooking oil	R.Akash, M.Areef Sulaiman, P.Bhaves Chandru	CHE-208	The Principal	7500/-
8	Dr.A.Ronaldo Anuf Assistant Professor, Department of Biotechnology Kamaraj College of Engineering and Technology K.Vellakulam-625701, Near Virudhunagar	Evaluation of Antioxidant and Apoptotic potential of phytoconstituents isolated from Artocarpus heterophyllus Peel	V.B.Nivethitha	MS-114	The Principal	7500/-

TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

DOTe Campus, Chennai - 600025

STUDENT PROJECT SCHEME 2021-2022

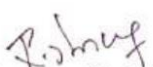
UTILISATION CERTIFICATE

- 1. Name of the Guide and address:** Dr. I. Ganesh Moorthy
Associate Professor/ Biotechnology
Kamaraj College of Engineering and
Technology
K. Vellakulam - 625 701 Near
Virudhunagar.
- 2. Name of the Student(s):** R. Akash
M. Areef Sulaiman
P. Bhavesh Chandru
- 3. Title of the Project:** Development of agro-waste based
heterogeneous catalyst for the
production of biodiesel from used
cooking oil
- 4. Project Code:** CHE-208

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. 0/- remaining unutilized is refunded.


Signature of the Guide

Dr. I. GANESH MOORTHY, M.Tech., Ph.D.
Associate Professor Dept. of Biotechnology
Kamaraj College of Engg. & Tech.,
VIRUDHUNAGAR - 626 001.


Signature of the HOD

HOD
DEPT. OF BIOTECHNOLOGY
Kamaraj College of Engineering & Technology
VIRUDHUNAGAR.


Signature of the

REGISTRAR/ PRINCIPAL/DEAN
with SEAL

Dr. S. SENTHIL, M.E., Ph.D.,
PRINCIPAL (In-charge)
KAMARAJ College of Engineering and Technology
(Autonomous)
S.P.G. Chidambaram Nagar - C. Nagarimal Campus,
S.P.G.C. Nagar, K. Vellakulam - 625 701.
(Near VIRUDHUNAGAR).



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

Ph : 044-22301428, Telefax : 044-22301552 www.tanscst.nic.in

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

Lr.No.TNSCST/SPS/2021-2022/

11.03.2022

To
The Principal
Kamaraj College of Engg.and Technology
K.Vellakulam- 625701, Near Virudhunagar

copy to
IETC.
/

Sir/Madam,

Sub: TNSCST – Student Project Scheme (2021-2022) – 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 in time.

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-No.5&6) on completion of the project.

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Yours faithfully,


Member Secretary.

- Encl: a) Terms & Conditions (T&C)
b) Format of Utilisation Certificate (UC)
c) Cheque for Rs. 60,000/- No:207204 dt: 11.03.2022

Copy to: The individual guides

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TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

DOTe Campus, Chennai - 600025

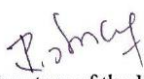
STUDENT PROJECT SCHEME 2021-2022

UTILISATION CERTIFICATE

1. Name of the Guide and address: Dr. A. Ronaldo Anuf
Assistant Professor
Department of Biotechnology
Kamaraj College of Engineering and
Technology
K. Vellakulam - 625701
(Near Virudhunagar)
2. Name of the Student(s): V. B. Nivethitha
3. Title of the Project: Evaluation of Antioxidant and
Apoptotic potential of
phytoconstituents isolated from
Artocarpus heterophyllus peel
4. Project Code: MS- 114

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. 0/- remaining unutilized is refunded.


Signature of the Guide


Signature of the HOD
HOD
DEPT. OF BIOTECHNOLOGY
Kamaraj College of Engineering & Technology
VIRUDHUNAGAR.


Signature of the
REGISTRAR/ PRINCIPAL/DEAN
with SEAL
Dr. S. SENTHIL, M.E., Ph.D.,
PRINCIPAL (I/c)
KAMARAJ College of Engineering and Technology
(Autonomous)
S.P.G. Chidambaram Nagar - C. Nagamall Campus,
S.P.G.C. Nagar, K. Vellakulam - 625 701.
(Near VIRUDHUNAGAR).

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj,
New Delhi-110070

RPS - Sanction Letter

File No. 8-218/RIFD/RPS (POLICY-1)/2018-19

Date: 22 November 2019

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.147750/- being the 1st installment of the total grant of Rs.150000/- for conduct of Project under Research Promotion Scheme (RPS) during the financial year 2019-20.

Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of **Rs. 147750/- (Rupees One Lakh FourtySeven Thousand Seven Hundred Fifty Only)** as 1st installment out of a total approved grant-in-aid of **Rs.150000/-** 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, KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY, S.P.G.C.NAGAR POST BOX 12 K. VELLAKULAM, VIRUDHUNAGAR TAMIL NADU -626001
II.	Principal Investigator's Name & Dept./Course	:	Dr. PRINCE WINSTON D Electrical Engineering
III.	Grant-in-aid Sanctioned	:	Rs.150000/- (Rs.127500/- for non-recurring and Rs.22500/- for recurring expenditure)
IV.	Amount to be Released during the year 2019-20 (as 1 st installment)	:	Rs.147750/- (Rs.127500/- Full amount of non-recurring & Rs.20250/-90 % of recurring sanctioned)
V.	Project Duration	:	3 Years
VI.	Title of the Project	:	Improvement of Power Generation in a 20kW Solar PV Power Plant through Bypass Diode Scanning Algorithm and Modified Couple Matching Algorithm

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 KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY, S.P.G.C.NAGAR POST BOX 12 K. VELLAKULAM, VIRUDHUNAGAR TAMIL NADU -626001 through **RTGS/PMFS**.
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 2019-20.
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:

Advisor (RIFD), AICTE, Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

Contd...2/-

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 Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATK1431B	TAMILNAD MERCANTILE BANK LTD.	Virudhunagar	Madurai Road Virudhunagar	Kamaraj College Of Engineering And Technology	Saving Account	004100050147438	TMBL0000004

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 **Principal/Director/Registrar** 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, by way of a demand draft in favor of 'Member Secretary, AICTE payable at New Delhi.
3. 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.
4. The Institute may constitute a Project Evaluation Committee (PEC) The composition of the PEC shall be as under:
 - i. Principal/Director of the institution (Chairperson)
 - ii. Two HODs from institute (Members)
 - iii. In case of private institute one subject expert from government institute, not below the rank of Associate Professor (Member)
 - iv. Coordinator of the project (Member Secretary)
5. 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.
6. Similarly, the recurring grant shall be used for the items 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.
7. 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.
8. 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.

9. 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 Evaluation Committee.**
10. 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.
11. 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.
12. 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:

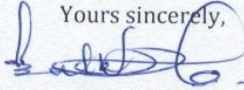
A. Documents to be submitted within one month of completion of each financial year:

- 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.

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

Yours sincerely,

(Dileep N. Malkhede)
Advisor (RIFD)

12 DEC 2019


:: 4 ::

Approved List of Items under Non-recurring grant:

S.No.	Approved Items (As per proposal)	Amount recommended
A.	Non-recurring (equipments)	
i)	Matrix Switching Circuit	
ii)	Pyranometer with data logger	
iii)	DC Energy meters	
iv)	Microcontroller	
v)	Battery Based Current Source Converter	
vi)	MPPT Converter for Solar PV	
B.	Recurring (for contingencies & consumables only)	
		Rs. 127500/-
		Rs. 22500/-
	Grand Total (A) + (B)	Rs. 150000/-

Copy forwarded for information and necessary action to:

1. REGISTRAR / DIRECTOR / PRINCIPAL,
KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY,
S.P.G.C.NAGAR POST BOX 12 K. VELLAKULAM,
VIRUDHUNAGAR TAMIL NADU -626001
2. NAME OF PRINCIPAL INVESTIGATOR,
Dr. PRINCE WINSTON D,
KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY,
S.P.G.C.NAGAR POST BOX 12 K. VELLAKULAM,
VIRUDHUNAGAR TAMIL NADU -626001
3. OFFICE OF DIRECTOR GENERAL OF AUDIT
GENERAL REVENUES, AGCR BUILDING
I.P. ESTATE, NEW DELHI-110002.
4. GUARD FILE


(Dileep N. Malkhede)
Advisor (RIFD)

12 DEC 2019

UTILIZATION CERTIFICATE

Period from 01/04/2021 to 31/03/2022

SanctionLetterNo.8-218/RIFD/RPS (POLICY-1)/2018-19, dated22/11/2019

A. NON -RECURRING

Sl.No	Name of the Equipment Procured	Amount Sanctioned	Amount Utilized (Item wise) Rs.	Un spent Balance
1	Nil	Nil	Nil	Nil

B. RECURRING

SL.No	Name of the Expenses	Amount Sanctioned (Rs)	2020-21 Unspent Balance (Rs)	Amount Utilized (Rs)	Excess Spent
1.	V.C.P. 205 Beuin consumable Purchased from Sree Priya Mill Store Bill No. 2780 dt 30.03.2021	22,500/-	20,270/-	991.00	NIL
2.	1.5mm wire 17.500 Qty purchased from Bala electronics B.No.P1286 dt.28.07.2021			298.00	
3.	2.5 EU Fork Lug-8, LUG INSULATED -92, MCB Channel -4, purchased from Bala Electronics B.No.BIV442 dt. 28.07.21			459.00	
4.	Purchase of Keel, Sorugu, Screw purchase from John Prito Paints & hardwares from John Pritto Paints & Hardwares Bill no. 974 dt 21.08.2021			130.00	
5.	Purchase of Kenbrook solar MC4 Wire connector for solar panels from amazon orderno.40241995198317157 dt 15.08.2021			299.00	
6.	ERH India 9 WATT LED Bulb Raw Material			214.00	

SL.No	Name of the Expenses	Amount Sanctioned (Rs)	2020-21 Unspent Balance (Rs)	Amount Utilized (Rs)	Unspent Balance
7.	12volt 9watt smd led mcpcb for dc led bulb			199.00	
8.	Nktronics 5 watt 9-12 Volt DC SMD LED Chip (White)			498.00	
9.	veekaylight 100 Watts 220v Square AC LED COB Chip with Integrated IC Driver			499.00	
10.	Electronic spics 1Meter Aluminium Profile Groove housing for Led			428.00	
11.	Smarten Prime+ MPPT Solar PCU/Charge Controller 12/24V : 30A			4800.00	
12.	LolinNodeMCU ESP8266 CP2102 NodeMCU WIFI			780.00	
13.	WeMos D1 R2 WiFi ESP8266 Development Board for Arduino UNO			884.00	
14.	Wemos D1 Mini ESP8266 IOT/Wireless Development Board Fully Aduino IDE			745.00	
15.	Hygrid Solar Connectors MC4 Male/Female IP67 Waterproof SolarPanel Cable Connectors			449.00	
16.	Various Electronic Components (Polyster, capacitor, diode etc...)			864.00	
17.	USB to mini USB			177.00	
18.	6*4 PVC Box			300.00	
19.	4*4 PVC Box			300.00	
20.	2.44 cm (0.96 Inch) I2C/IIC 128x64 OLED Display Module 4 Pin - Blue Color			927.00	
21.	Iduino IR Obstacle Avoidance Proximity Sensor E18-D80NK)			399.00	
22.	Vish Yogi Printers-Blank Stickers with Red Border			150.00	
23.	LCD Display1602, Taparia Tester 813, Nokia 5110 LCD Display			1,194.00	
24.	Jumber wire 20cm, Single Strand wire pocket, Multi Strand Wire pckt etc..			5,230.00	
25.	Audit Fees			2,360.00	
Total Amount Spent				23,574.00	

Certified that the grant has been utilized for the purpose for which it was sanctioned in accordance with the "Terms and Conditions" attached to the grant. If, as a result of check or audit objection some irregularity is noticed at a later stage, action will be taken to refund, adjust or regularize the amount objected to.

N. Rajkumar
20/04/22

R. RAJKUMAR
Chartered Accountant
Membership No: 23109
Finance Officer
/Principal/Director (Signature & Seal)
UDIN: 22027469AHKWRO3917

Dated:



Senthil

PRINCIPAL
KAMARAJ College of Engineering and Technology
(Autonomous)
S.P.G.C. Nager, K. Vellakulam - 625 701,
Near Virudhunagar, Madurai District.

Name and Address of the
University/ Institution

Note: The Utilization Certificate (UC) will be signed by the Registrar/ Finance Officer in the case of Universities, Principals in the case of Colleges and Executive Heads of other Institutions. The Provisional UC may be countersigned by the internal auditors wherever the system of the internal audit exists. In case of the Self Financing/ Private Institutions, UC has to be signed by a Chartered Accountant.

* This is to be submitted every financial year.

RECEIPT & PAYMENT ACCOUNT
(2021-2022)

Sl.No.	Receipt	Amount (Rs.)	Sl.No.	Payments	Amount (Rs.)
1.	To Opening Balance	21,351.35	1.	By Equipment Purchase	-
2.	Balance receivable	2,222.65	2.	By Consumable Purchase	23,574.00
	Total	23,574.00		Total	23,574.00

(Signature of Chartered Accountant)
UDIN: 22027469AHKWRO3917

Name of CA:
Membership No.:
Full Address of CA:
[With seal]

R. RAJKUMAR
Chartered Accountant
Membership No. 27469



(Signature of Finance Officer)

Name :
Designation:
Full Address:
[With seal]
(Govt./Govt. Aided/University & wherever applicable)

Dated : _____

(Signature of Head of the Institute)

PRINCIPAL

Name: **KAMARAJ College of Engineering and Technology**
Designation: **(Autonomous)**
Full Address: **Thambara Nadar - C. Naganimal Campus,**
[With seal] **G.C. Nagar, K. Vellakulam - 625 701,**
Near Virudhunagar, Madurai District.

Research Promotion Scheme
FORMAT FOR STATEMENT OF EXPENDITURE
(2021-2022)

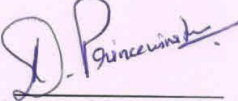
AICTE File No. : 8-218/RIFD/RPS(Policy-1)/2018-19, dt. 22.11.2019

Title of the RPS Project : Improvement of Power Generation in a 20 KW

Solar PV Power Plant through Bypass Diode
Scanning Algorithm and modified Couple Matching
Algorithm.

Name of the P.I. : Dr.D.Prince Winston, Professor / Department of Electrical
and Electronics Engineering

Sanction Order No. & Date	Grant Sanctioned	Details of expenditure Incurred Item wise	Amount Rs.	Amount Rs. (In each head)
8-218/RIFD/RPS (POLI CY-1)/2018- 19 Date:22-11-2019	1,50,000/-	By Equipment Purchase	Nil	--
		By Consumable Purchase	23,574.00	23,574.00
		Total	23,574.00	23,574.00

(1) 

Signature of
PI with Seal
Dr. D. Prince Winston, M.E., Ph.D.,
HoD, Department of EEE,
Kamaraj College of Engg & Tech (Autonomous)
K. Veilankulam - 625 701.

(2)

 **PRINCIPAL**
Kamaraj College of Engineering and Technology
(Autonomous)
Name and Signature of Head
of Institution with Seal
C.O. Chidambaram Nadar - C. Nagercoil Campus
S.P.O. Nagar, K. Veilankulam - 625 701,
Near Virudhunagar, Madurai District.

(3) -----

Signature (with Seal) of the Finance
Officer/Auditor/Accounts Officer

Date:

(4) Signature of Chartered Accountant

Name of Chartered Accountant:

Membership No: 027469

UDIN: 22027469AHKWRO3917

Rubberstamp:

Full Address of CA : **R. RAJKUMAR**
Chartered Accountant
Membership No: 27469

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



AUDITED UTILISATION CERTIFICATE

(2021-2022)

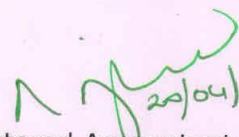
Sr No	Sanctioned Heads	Total Funds Allocated (indicate sanctioned or revised)			Total Expenditure till 31.03.22 (VI = IV + V)	Balance as on (01.04.22) (VIII = III-VII)	Remarks (if any)
			1 st Year (01/04/2020 to 31/03/2021) (IV)	2 nd Year (01.04.2021 to 31.03.2022) (V)			
(I)	(II)	(III)					
1.	Non Recurring	1,27,500	1,27,393.65	-	1,27,393.65	106.35	
2.	Recurring	20,250.00	2,230.00	23,574.00	25,804.00	(-) 5,554.00	
3.	Interest upto 31/03/2021	3,225.00	-	-	-	3,225.00	
	Total	1,50,975	1,29,623.65	23,574.00	1,53,197.65	(-) 2,222.65	

Certified that out of Rs.1,50,000/- of Grant- in-aid sanctioned vide Letter No.8-218/RIFD/RPS (POLI CY-1)/2018-19, **Rs.1,53,197.65** has been utilized **for the purpose of Equipment (Non Recurring) & Consumables (Recurring)**. We have received Rs. 1,47,750/- on 10/01/2020 and the 2019-2020 Interest accounted amount of Rs.3,225/- (Total Rs. 1,50,975/-). Kindly release the remaining utilized amount of Rs. 2,222.65 at the earliest.

Finance Officer
(Signature and Seal)

Dated:


PRINCIPAL
 Registrar/Principal/Director of Engineering and Technology
 (Signature and Seal)
 S.P.G. Chidambaram Nagar - C. Nagermal Campus,
 S.P.G.C. Nagar, K. Vellakulam - 625 701,
 Near Virudhunagar, Madurai District.


 Chartered Accountant
 (Signature and Seal)
 UDIN: 22027469AHKWRO3917

R. RAJKUMAR
 Chartered Accountant
 Membership No: 27469





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
Ph : 044-22301428, Telefax : 044-22301552 www.tanscst.nic.in

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

Lr.No.TNSCST/SPS/2021-2022/

11.03.2022

To
The Principal
Kamaraj College of Engg.and Technology
K.Vellakulam- 625701, Near Virudhunagar

copy to
IETC.
S/

Sir/Madam,

Sub: TNSCST – Student Project Scheme (2021-2022) – 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 in time.

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-No.5&6) on completion of the project.

Thanking you,

Yours faithfully,


Member Secretary.

- Encl: a) Terms & Conditions (T&C)
b) Format of Utilisation Certificate (UC)
c) Cheque for Rs. 60,000/- No:207204 dt: 11.03.2022

Copy to: The individual guides

1	Dr. S. Karthikumar Assistant Professor, Department of Biotechnology Kamaraj College of Engg. and Technology K.Vellakulam- 625701, Near Virudhunagar	Cost effective method development for C- Phycocyanin recovery from Spirulina plantensis using Ohmic Heating Approach	G.Janakiraman R.Akash R.S.Vishnu Shagar	BS-560	The Principal	7500/-
2	Dr.B.Gurukarthik Babu Assistant Professor, Department of EEE Kamaraj College of Engg. and Technology K.Vellakulam- 625701, Near Virudhunagar	Eco-friendly technique for palatable water generation from atmospheric air using Industrial sludges and aquatic husks in PV/T module imbibed with Random forest technique and IoT analytics	Pothiraj. P	ES-224	The Principal	7500/-
3	Dr.N.M.Mary Sindhuja Assistant Professor, Department of ECE Kamaraj College of Engineering and Technology K.Vellakulam- 625701, Near Virudhunagar	Power saving using motion sensor in public spaces	K.Shenbaga Devi, U.Rajalakshmi, N.Madhu Sivani	EEE-0476	The Principal	7500/-
4	Dr.Shyam kumar Rajaram Associate Professor, Department of Biotechnology Kamaraj College of Engineering and Technology K.Vellakulam, Near Virudhunagar-625701	Cost Effective rice water based green composite film development for food packaging	A.Vinnarasi	AS-036	The Principal	7500/-

5	Mr.T.Suresh Assistant Professor, Department of Mechanical Engineering Kamaraj College of Engineering and Technology K.Vellakulam- 625701, Near Virudhunagar	Design and Fabrication of Solar Operated Litter Raking Machine for Poultry Farm	J.Bala Vignesh S.Satheesh Kumar T.Navaneetha Krishnan	EME-0451	The Principal	7500/-
6	Mr.P.Ponkarthikeyan Assistant Professor, Department of Civil Engineering Kamaraj College of Engineering and Technology K.Vellakulam- 625701, Near Virudhunagar	Optimization Of COD Removal From Domestic Wastewater By Response Surface Methodology	V.Naveenkumar, V.Harishkumar, S.Sankaramahadh evan	ECV-030	The Principal	7500/-
7	Dr.I.Ganesh Moorthy Associate Professor, Department of Biotechnology Kamaraj College of Engineering and Technology K.Vellakulam-625701, Near Virudhunagar	Development of agrowaste based heterogeneous catalyst for the production of biodiesel from used cooking oil	R.Akash, M.Areef Sulaiman, P.Bhaves Chandru	CHE-208	The Principal	7500/-
8	Dr.A.Ronaldo Anuf Assistant Professor, Department of Biotechnology Kamaraj College of Engineering and Technology K.Vellakulam-625701, Near Virudhunagar	Evaluation of Antioxidant and Apoptotic potential of phytoconstituents isolated from Artocarpus heterophyllus Peel	V.B.Nivethitha	MS-114	The Principal	7500/-

TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

DOTE CAMPUS, CHENNAI - 600 025

STUDENT PROJECT SCHEME 2021-2022

UTILISATION CERTIFICATE

1. Name of the guide and address : **Dr. B. Gurukarthik Babu,**
Assistant Professor / EEE,
Kamaraj College of Engineering and Technology,
K.Vellakulam - 625 701, Near Virudhunagar.
2. Name of the student : **Mr. P. Pothiraj**
3. Title of the project : **Eco-friendly technique for palatable water generation from atmospheric air using Industrial sludges and aquatic husks in PV/T module imbibed with Random forest technique and IoT analytics**
4. Project code : **ES-224**

It is certified that a sum of Rs. 7,500.00/- (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. 0.00/- (Rupees Zero only) remaining unutilized is refunded.



Signature of the Guide

Dr. B. GURUKARTHIKBABU, M.E., Ph.D., MIE.,
Assistant Professor / EEE,
Kamaraj College of Engineering and Technology (Autonomous),
K.Vellakulam-625701, Near Virudhunagar,
Madurai District, Tamilnadu - India.



Signature of the HoD

Dr. D. Prince Winston, M.E., Ph.D.,
HoD / Department of EEE,
Kamaraj College of Engg. & Tech. (Autonomous)
K. Vellakulam - 625 701.



Signature of the Principal

With Seal

Dr. S. SENTHIL, M.E., Ph.D.,
PRINCIPAL (I/c)
KAMARAJ College of Engineering and Technology
(Autonomous)
S.P.G. Chidambaram Nadar - C. Nagammal Campus,
S.P.G.C. Nagar, K. Vellakulam - 625 701.
(Near VIRUDHUNAGAR).



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

Lr.No.TNSCST/SPS/2021-2022/

11.03.2022

To
The Principal
Kamaraj College of Engg.and Technology
K.Vellakulam- 625701, Near Virudhunagar

copy to
IETC.
/

Sir/Madam,

Sub: TNSCST – Student Project Scheme (2021-2022) – approval intimation–grant
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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 in time.

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-No.5&6)
on completion of the project.

Thanking you,

Yours faithfully,

Member Secretary.

- Encl: a) Terms & Conditions (T&C)
b) Format of Utilisation Certificate (UC)
c) Cheque for Rs. 60,000/- No:207204 dt: 11.03.2022

Copy to: The individual guides

1	Dr. S. Karthikumar Assistant Professor, Department of Biotechnology Kamaraj College of Engg. and Technology K.Vellakulam- 625701, Near Virudhunagar	Cost effective method development for C- Phycocyanin recovery from Spirulina plantensis using Ohmic Heating Approach	G.Janakiraman R.Akash R.S.Vishnu Shagar	BS-560	The Principal	7500/-
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3	Dr.N.M.Mary Sindhuja Assistant Professor, Department of ECE Kamaraj College of Engineering and Technology K.Vellakulam- 625701, Near Virudhunagar	Power saving using motion sensor in public spaces	K.Shenbaga Devi, U.Rajalakshmi, N.Madhu Sivani	EEE-0476	The Principal	7500/-
4	Dr.Shyam kumar Rajaram Associate Professor, Department of Biotechnology Kamaraj College of Engineering and Technology K.Vellakulam, Near Virudhunagar-625701	Cost Effective rice water based green composite film development for food packaging	A.Vinnarasi	AS-036	The Principal	7500/-

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TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Dote Campus, Chennai – 600 025

Students Project Scheme 2021 – 2022

Utilization Certificate

- 1. Name of the Guide and address** : Mr. T. Suresh
Assistant Professor,
Department of Mechanical Engineering,
Kamaraj College of Engineering and
Technology, Near Virudhunagar,
Madurai – 625 701.
- 2. Name of the student(s)** : J. Bala Vignesh,
S. Satheesh Kumar,
T. Navaneetha Krishnan
- 3. Title of the Project** : Design and Fabrication of Solar Operated
Litter Raking Machine for Poultry Farm
- 4. Project Code** : EME-0451

It is certified that a sum of Rs. 7,500/- (Rupees Seven Thousand and 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.----- remaining unutilized is refunded.


Signature of guide


Signature of HOD




Signature of the
REGISTRAR/PRINCIPAL/DEAN
with seal

Dr. S. SENTHIL, M.E., Ph.D.,
/ PRINCIPAL (Ac)
KAMARAJ College of Engineering and Technology
(Autonomous)
S.P.G. Chidambara Nadar - C. Nagammal Campus,
S.P.G.C. Nagar, K. Vellakulam - 625 701.
(Near VIRUDHUNAGAR).



FAER

To Dr. Prabhu / mechn.

Foundation for Advancement of Education and Research

Registered Non-profit Trust
G5, Swiss Complex, 33, Race Course Road
Bangalore - 560 001, India
E-mail: office@faer.ac.in
Website: www.faar.ac.in

To
The Project Guide
Department of Mechanical Engineering
Kamaraj College of Engineering and Technology
S.P.G.Chidambara Nadar, C.Nagammal Campus,
Vellakulam, Tamil Nadu 625701

Dear Dr.B.Prabhu,

Subject: Intimation about the mentorship for the FAER-McAfee Scholar Program 2022

Greetings!

We are happy to note that the project proposal named "**P-12 Design and fabrication of detachable speed breaker with barricade system**" by your students is short listed in the first round for "FAER-McAfee Scholar Award Program". based on the experience of conducting "FAER Scholar Program" during the last 16 years, felt that timely mentorship from qualified experts would improve the quality of project content and deliverables. Hence, FAER has invited a number of experts from reputed academic institutions / industry for mentorship program to interact and advise the student groups.

Dr N V Chalapathi Rao has agreed to mentor your students' group and extend appropriate advice and support during the execution of their project. FAER would like your students to utilize this opportunity and get benefited from this mentorship program. We would like to emphasize that the identified mentors will not be acting as project supervisors, the project guides are the owners of the projects. The mentors are engaged elsewhere in fulltime jobs and they are extending this help to the students out of their interest. Their interactions are meant to provide timely help and guidance in terms of technology and project execution skills.

Contact details of mentor are given below:

Name of the mentor : **Dr N V Chalapathi Rao** -Email nvcrao@alumni.iisc.ac.in

Introduction of Mentor : He is a Principal Research Scientist & faculty at the Dept. of Electronics Systems Engineering (former CEDT) and Centre for Product Design and Manufacturing of the Indian Institute of Science. His vast experience in industry and supporting research, innovation projects will be very much help for the students.

Please find attached Do's and Don'ts to the students.

A copy of this letter is also being sent to your department/institution head for their Information / cooperation.

Thanking you,
Sincerely yours,

Sridhar Karra

Secretary,
Foundation for Advancement of Education and Research
G5, Swiss Complex,
33, Race Course Road
Bangalore - 560001
E-mail:
office@faer.ac.in



தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

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

Lr.No.TNSCST/SPS/2021-2022/

11.03.2022

To
The Principal
Kamaraj College of Engg.and Technology
K.Vellakulam- 625701, Near Virudhunagar

copy to
IETC.
/

Sir/Madam,

Sub: TNSCST – Student Project Scheme (2021-2022) – approval intimation–grant
release- reg.

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Thanking you,

Yours faithfully,

Member Secretary.

- Encl: a) Terms & Conditions (T&C)
b) Format of Utilisation Certificate (UC)
c) Cheque for Rs. 60,000/- No:207204 dt: 11.03.2022

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TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

DOTTE CAMPUS, CHENNAI - 600 025

STUDENT PROJECT SCHEME 2021-2022

UTILIZATION CERTIFICATE

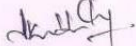
Name of the Guide and address : P. Ponkarthikeyan
Assistant Professor
Department of Civil Engineering
Kamaraj College of Engineering and Technology
Virudhunagar

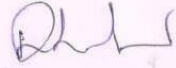
Name of the student(s) : V.Naveenkumar, V.Harishkumar
S.Sankaramahadevan


Title of the Project : Optimization of COD removal from domestic
wastewater by Response Surface Methodology

Project code : ECV-030

It is certified that a sum of **Rs. 7500** (Rupees Seven Thousand and 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. 0.00/-** (Rupees zero only) remaining unutilized is refunded.


Signature of the Guide
(P. PONKARTHIKEYAN)


Signature of the HOD
Dr. R. LAKSHMI
HOD / CIVIL
Kamaraj College of Engineering & Technology
Virudhunagar


Signature of the Principal
with seal
Dr. S. SENTHIL, M.E., Ph.D.,
PRINCIPAL (I/c)
KAMARAJ College of Engineering and Technology
(Autonomous)
S.P.G. Chidambara Nader - C, Nagammal Campus,
S.P.G.C. Nagar II, Vellakulam - 625 701,
(Near VIRUDHUNAGAR).