

KAMARAJ SEED MONEY GRANT (KSMG)-2022
LIST OF SANCTIONED PROJECTS

S.No.	Name of PI	Name of Co-PIs	Department of PI	Project Title	Amount Rs.
1	Dr.B.Gurukarthik Babu	Mr.S.Ramesh Prabhu Dr.D.Prince Winston	EEE	Design and Fabrication of flippy Bifacial Solar PV Module	25,000
2	Dr.R.Suresh Babu	Dr.T.Prathiba Mrs.P.Muthumari	ECE	Automatic Security Kit for Detecting and Repelling Wild Boar in Farm Land	25,000
3	Mr.K.Ganesan	Dr.D.Prince Winston	EEE	Performance Investigation of Bifacial Solar Photovoltaic Module Installed with single Axis Tracking System	25,000
4	Dr.S.Luna Eunice	-	Chemistry	Fabrication of low cost membrane from structurally modified polystyrene with excellent filtration activity	25,000
5	Dr.M.Hema	-	Physics	Development of Biopolymer based blend electrolytes using Ultrasound assisted Solution casting Technique and its application in Electric Double Layer Capacitor (EDLC)	25,000
6	Mr.P.Ponkarthikeyan	Dr.N.Jegandurai	Civil	Seasonal and spatial variations of particulate matter (PM2.5 and PM10) concentrations at KCET	25,000
7	Dr.S.Kalyani	R.Baskaran, Dr.M.G.Sribala	EEE	Fabbrication of polymer nanocomposites for insulation windins in electrical Machines used for high power applications	25,000
8	Dr.P.Praveen kumar	Dr.R.Ramya	CSE	Closed E-Wallet: A payment system for Educational Institutions in India	15,000
9	Dr.G.Bharathy	-	Physics	Zinc Oxide nanoparticles: An efficient electrode material for supercapacitor	25,000
10	Dr.K.M.Manikandan	-	Physics	Fabrication of Dye sensitized solar cell module for wireless IoT sensors	25,000
11	Dr.r.Muthuselvi	DR.G.Nirmala	CSE	Automatic temperature control in a water dispenser	10,000
12	Dr. I. Ganesh Moorthy	Dr. R. Shyam Kumar Dr. S.Karthikumar	BT	Simultaneous wastewater treatment, bioelectricity generation and biodiesel production through algae based microbial fuel cell	25,000
Total Amount Rs.					2,85,000



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RESEARCH AND DEVELOPMENT CELL
KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2022)

UTILIZATION CERTIFICATE

Name of the PI with Designation :

Dr.B.GURUKARTHIK BABU AP/EEE

Name of the Co-PI with Designation :

Mr.S.RAMESH PRABHU AP/EIE
Dr.D.PRINCE WINSTON Dean (Research) & HoD/EEE

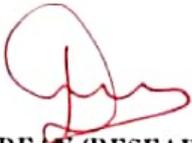
Project Title :

Design and Fabrication of Flippy Bifacial Solar PV Module

Amount Utilized : Rs 24864/-

It is certified that the Sum of Rs. 24864/- (*Rupees in Words*) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2022 - 2023 has been utilized for the purpose for which it was sanctioned and sum of Rs. 136/- remaining unutilized is refunded.


ASSOCIATE DEAN (RESEARCH)


DEAN (RESEARCH)


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RESEARCH AND DEVELOPMENT CELL

KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2022)

UTILIZATION CERTIFICATE

Name of the PI with Designation	:	Dr.R.Sureshbabu Professor & Head / ECE, Dean (Academic Courses) Kamaraj College of Engineering and Technology, K.Vellakulam
Name of the Co-PI with Designation	:	1. Dr.T.Prathiba, Assistant Professor, Department of ECE, Kamaraj College of Engineering and Technology, K.Vellakulam 2. Mrs.P.Muthumari, Assistant Professor, Department of ECE, Kamaraj College of Engineering and Technology, K.Vellakulam
Project Title	:	Automatic Security Kit for Detecting and Repelling Wild Boar in Farmland
Amount Utilized	:	Rs. 24,917.21/-

It is certified that the Sum of **Rs. Twenty-Four Thousand, Nine Hundred and seventeen only** (*Rupees in Words*) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2022 – 2023 has been utilized for the purpose for which it was sanctioned and sum of Rs.83/- remaining unutilized is refunded.


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KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2022)

UTILIZATION CERTIFICATE

Name of the PI with Designation : K.Ganesan
Assistant Professor
Electrical and Electronics Engineering
Dr.D.Prince Winston

Name of the Co-PI with Designation : Professor
Electrical and Electronics Engineering
Performance Investigation of Bifacial

Project Title : Solar Photovoltaic Module Installed
with Single Axis Tracking System

Amount Utilized : Rs. 24857

It is certified that the Sum of **Rs.24857** (Twenty four thousand eight hundred fifty seven rupees) sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2022-2023 has been utilized for the purpose for which it was sanctioned and sum of **Rs.147** remaining unutilized is refunded.


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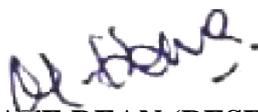
Name of the PI with Designation : Dr. S. Luna Eunice
Assistant Professor/Chemistry

Name of the Co-PI with Designation : NA

Project Title : Fabrication of a low cost membrane from
structurally modified polyaniline with
excellent filtration activity

Amount Utilized : 18,798/

It is certified that the sum of Rs.25,000/- (Rupees twenty thousand only) sanctioned through Kamaraj Seed Money Grant Scheme during the year 2022 has been utilized for the purpose for which it was sanctioned and the sum of 6,202/- (Rupees six thousand two hundred and two only) remaining unutilized is refunded.


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KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2022)

UTILIZATION CERTIFICATE

Name of the PI with Designation : **Dr.M.HEMA**
Associate Professor
Department of Physics
Kamaraj College of Engineering and
Technology (Autonomous)

Name of the Co-PI with Designation : NA

Project Title : Development of Biopolymer based
Blend electrolytes using Ultrasound
assisted Solution Casting Technique and
its application in Electric Double Layer
Capacitor (EDLC)

Amount Utilized : Rs. 22,380

It is certified that the Sum of Rs.25,000 (*Rupees Twenty five thousand*) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2022 has been utilized for the purpose for which it was sanctioned and sum of Rs.2,620 remaining unutilized is refunded.


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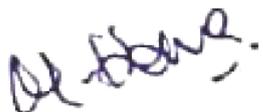
Name of the PI with Designation : Mr. P. Ponkarthiekyan
Assistant Professor
Department of Civil Engineering

Name of the Co-PI with Designation : Dr. N. Jegan Durai
Assistant Professor
Department of Civil Engineering

Project Title : **SEASONAL AND SPATIAL VARIATIONS
OF PARTICULATE MATTER (PM_{2.5} AND
PM₁₀) CONCENTRATIONS AT KCET**

Amount Utilized : **Rs. 29,500.00**

It is certified that the Sum of Rs. Twenty Nine Thousand and Five Hundred Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2022 - 2023 has been utilized for the purpose for which it was sanctioned and sum of Rs. NIL remaining unutilized is refunded.


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UTILIZATION CERTIFICATE

Name of the PI with Designation : Dr. S. Kalyani, Professor / EEE

Name of the Co-PI with Designation : Dr. R. Baskaran, ASP/ BT
Dr. M. G. Sribala, AP / PT

Project Title :Fabrication of Polymer Nano Composites for Insulation Windings in Electrical Machines used for High Power Applications

Amount Utilized :Rs 16,226

It is certified that the Sum of Rs.25,000 (Rupees Twenty Five Thousand) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2022-23has been utilized for the purpose for which it was sanctioned and sum of Rs.8774 remaining unutilized is refunded.


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KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2022)

UTILIZATION CERTIFICATE

Name of the PI with Designation : Dr.Praveen Kumar P, ASP/CSE

Name of the Co-PI with Designation : Dr.Ramya R, ASP/CSE

Project Title : Closed E-Wallet: A Payment System
for Educational Institutions in India

Amount Utilized : Rs. 13,600/-

It is certified that the Sum of Rs.13,600/- Rs. Thirteen Thousand and Six Hundred only Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2022 – 2023 has been utilized for the purpose for which it was sanctioned and sum of Rs.1,400/- remaining unutilized is refunded.


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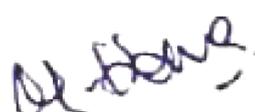
RESEARCH AND DEVELOPMENT CELL

KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2022)

UTILIZATION CERTIFICATE

Name of the PI with Designation	:Dr.G.Bharathy
Name of the Co-PI with Designation	: NA
Project Title	:ZnO Nanoparticles as an efficient electrode material for Supercapacitors
Amount Utilized	: Rs.24712.00

It is certified that the Sum of Rs. 24712(Twenty-four thousand seven hundred and twelve) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2022-2023 has been utilized for the purpose for which it was sanctioned and sum of Rs.288(Two hundred and eighty eight) remaining unutilized is refunded.


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KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2022)

UTILIZATION CERTIFICATE

Name of the PI with Designation : **Dr. K. M. MANIKANDAN**
Assistant Professor
Department of Physics

Name of the Co-PI with Designation : **NA**

Project Title : **FABRICATION OF DYE-
SENSITIZED SOLAR CELL
MODULE FOR WIRELESS IoT
SENSORS**

Amount Utilized : **30,569/-**

It is certified that the Sum of Rs. 30569/- (Thirty Thousand Five hundred and Sixty Nine) sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2022-23 has been utilized for the purpose for which it was sanctioned and sum of Rs. ___ - ___ remaining unutilized is refunded


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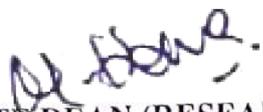
Name of the PI with Designation : Dr. R. Muthuselvi
Professor - CSE

Name of the Co-PI with Designation : Dr. G. Nirmala
AP - CSE

Project Title : Automatic temperature
control in a water dispenser

Amount Utilized : Rs. 6,105

It is certified that the Sum of Rs. 10,000 (Rupees in Words) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2022-2023 has been utilized for the purpose for which it was sanctioned and sum of Rs. 3,895 remaining unutilized is refunded.


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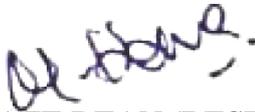
Name of the PI with Designation : Dr.R.SHYAM KUMAR
Professor & Head,
Dept. of Biotechnology

Name of the Co-PI with Designation : Dr.S.KARTHIKUMAR
Assistant Professor,
Dept. of Biotechnology

Project Title : Simultaneous Waste Water Treatment,
Bioelectricity Generation and Biodiesel
Production through Algae based
Microbial Fuel Cell

Amount Utilized : Rs. 20980

It is certified that the Sum of Rs. 20980 (*Rupees Twenty Thousand Nine Hundred and Eighty*) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2022 has been utilized for the purpose for which it was sanctioned and sum of Rs.4020 remaining unutilized is refunded.


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