



(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).

## RESEARCH AND DEVELOPMENT CELL

### KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2023)

#### UTILIZATION CERTIFICATE

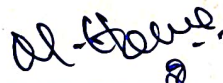
Name of the PI with Designation : Er. R. Amuthalakshmi,  
AP/BT


Name of the Co-PI with Designation : Dr. R. Shyam Kumar,  
Prof & Head/BT

Project Title : Optimization and Characterization of  
symbiotic cyanobacterial  
polysachharide for production of  
nanoedible coating on fruits and  
vegetables

Amount Utilized : Rs.30,000/-

It is certified that the Sum of Rs.30,000/- (*Thirty thousand Rupees only*) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2023 has been utilized for the purpose for which it was sanctioned and sum of Rs.0 remaining unutilized is refunded.

  
ASSOCIATE DEAN (RESEARCH)

  
DEAN (RESEARCH)

  
PRINCIPAL



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## RESEARCH AND DEVELOPMENT CELL

### KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2023)

#### UTILIZATION CERTIFICATE

Name of the PI with Designation : **Dr.M.Subahar**  
Assistant Professor  
Department of Civil Engineering

Name of the Co-PI with Designation : **Mr.D.Velumani**  
Assistant Professor  
Department of Civil Engineering

Project Title : **Experimental Investigation on Fiber  
Reinforced Geopolymer Composite  
Incorporated With Copper Slag**

Amount Utilized : **Rs.22621**

It is certified that the Sum of Rs. Twenty Thousand six Hundred and Twenty one  
(Rupees in Words) Sanctioned through KAMARAJ SEED MONEY GRANT  
SCHEME during the year 2023-2024 has been utilized for the purpose for which it  
was sanctioned and sum of Rs.7379 remaining unutilized is refunded.

  
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**RESEARCH AND DEVELOPMENT CELL**  
**KAMARAJ STUDENTS SEED MONEY GRANT -2024**

**UTILIZATION CERTIFICATE**

**Name of the PI** : **Dr.A.Meenakshi**  
Professor and HoD/CSE

**Name of the Co-PI** : **Dr.G.Uma Maheswari**  
Assistant Professor - CSE

**Project Title** : **KCET ROUTE MAP**

**Amount Utilized** : **Rs.14,800**

It is certified that the Sum of Rs.14,800/- (Fourteen Thousand Eight Hundred) Sanctioned through KAMARAJ STUDENTS SEED MONEY GRANT SCHEME during the year 2024 has been utilized for the purpose for which it was sanctioned and sum of Rs.0/- (Zero) remaining unutilized is refunded.

  
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## RESEARCH AND DEVELOPMENT CELL

### KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2023)

#### UTILIZATION CERTIFICATE

Name of the PI with Designation	:	Dr.T.Prathiba, Associate Professor/ECE
Name of the Co-PI with Designation	:	Dr.R.Ramya, Associate Professor / CSE Dr.S.Nisha Rani, Assistant Professor / ECE
Project Title	:	Tyre Doctor: Preventing Road Accidents using Deep Learning – An Automatic Tyre Damage Detection and Alert System for Vehicles
Amount Utilized	:	Rs. 24650/-

It is certified that the Sum of Rs. Twenty Four Thousand Six hundred and fifty only (*Rupees in Words*) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2023-2024 has been utilized for the purpose for which it was sanctioned and sum of Rs. - remaining unutilized is refunded.

  
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## RESEARCH AND DEVELOPMENT CELL

### KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2023)

#### UTILIZATION CERTIFICATE

Name of the PI with Designation	:	Dr.R.Sureshbabu Professor & Head Department of Electronics and Communication Engineering
Name of the Co-PI with Designation	:	Dr.T.Prathiba, Associate Professor/ECE Mrs.P.Muthumari, Assistant Professor/ECE
Project Title	:	TBD: Revolutionizing Spinning Processes Through Automated Thread Break Detection (TBD) using Machine Learning Techniques.
Amount Utilized	:	Rs.30,000/-

It is certified that the Sum of Rs. Thirty Thousand only (*Rupees in Words*) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2023-2024 has been utilized for the purpose for which it was sanctioned and sum of Rs.0 remaining unutilized is refunded.

  
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**RESEARCH AND DEVELOPMENT CELL**

**KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2023)**

**UTILIZATION CERTIFICATE**

<b>Name of the PI with Designation</b>	:	<b>Dr.G.Sakthivel,Assistant Professor</b>
<b>Name of the Co-PI with Designation</b>	:	
<b>Project Title</b>	:	<b>PERFORMANCE IMPROVEMENT IN SOLAR PV FED BLDC EV MOTOR</b>
<b>Amount Utilized</b>	:	<b>Rs 30,000</b>

It is certified that the Sum of Thirty thousand only (*Rupees in Words*) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2023-24 has been utilized for the purpose for which it was sanctioned and sum of Rs. Nil -  
\_\_\_\_\_ remaining unutilized is refunded.

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### KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2023)

#### UTILIZATION CERTIFICATE

Name of the PI with Designation : Dr. R. Arthy, AP/IT

Name of the Co-PI with Designation : Ms. V. Deepa Priya, AP/IT

Ms. P. Kaviya, AP/IT

Project Title : COLLEGE CAMPUS CHATBOT:  
An AI-Powered Virtual Assistant  
for Enhanced Campus Experience

Amount Utilized : 0

It is certified that the Sum of Rs. 26,000 (*Twenty Six Thousand only*) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2023 - 2024 has been utilized for the purpose for which it was sanctioned and sum of Rs. 26,000 remaining unutilized is refunded.

  
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## RESEARCH AND DEVELOPMENT CELL

### KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2023)

#### UTILIZATION CERTIFICATE

Name of the PI with Designation : Dr.R.Aghila, HoD/ADS

Name of the Co-PI with Designation : Mrs.V.Gayathri  
Mrs.P.Mahalakshmi  
Mrs.S.Gayathri

Project Title : SpotCE – An app for Country Egg  
Detection

Amount Utilized : Rs. 7,089

It is certified that the Sum of Rs. 27,000 (*Twenty Seven Thousand only*) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year Rs. 7,089 has been utilized for the purpose for which it was sanctioned and sum of Rs. 19,911 remaining unutilized is refunded.

  
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## RESEARCH AND DEVELOPMENT CELL

### KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2023)

#### UTILIZATION CERTIFICATE

<b>Name of the PI with Designation</b>	:	Mr.R.Sakthivel Murugan, Assistant Professor, Dept of Mechanical Engineering, Kamaraj College of Engineering and Technology, Virudhunagar
<b>Name of the Co-PI with Designation</b>	:	Mr.N.R.Madhan, Assistant Professor, Dept of Mechanical Engineering, Kamaraj College of Engineering and Technology, Virudhunagar
<b>Project Title</b>	:	Design and Development of Effective Low- Cost Engineering Graphics Teaching Models using 3D Printing by Integrating Design for Interchangeability and Design for Additive Manufacturing
<b>Amount Utilized</b>	:	Rs. 19,939

It is certified that the Sum of Rs. 19,939 (*Nineteen thousand nine hundred and thirty nine*) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2023-2024 has been utilized for the purpose for which it was sanctioned and sum of Rs.61/- remaining unutilized is refunded.

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## RESEARCH AND DEVELOPMENT CELL

### KAMARAJ SEED MONEY GRANT SCHEME (KSMG'-2023)

#### UTILIZATION CERTIFICATE


Name of the PI with Designation : Mr.B.K.Parrthipan,  
AP/Mech

Name of the Co-PI with Designation : Dr.P.Narayanasamy,  
ASP/Mech

Project Title : An Innovative Design for smart  
projector using Raspberry Pi

Amount Utilized : Rs.3500/-

It is certified that the Sum of Rs.3500/- (Three Thousand and Five Hundred) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2023 has been utilized for the purpose for which it was sanctioned and sum of Rs.0 remaining unutilized is refunded.

  
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## RESEARCH AND DEVELOPMENT CELL

### KAMARAJ SEED MONEY GRANT SCHEME (KSMG<sup>2</sup>-2023)

#### UTILIZATION CERTIFICATE

Name of the PI with Designation : Dr.S.Thanga kasi Rajan,  
ASP & Head/Mech

Name of the Co-PI with Designation : Mr.S.Alwyn Rajiv  
AP/ECE

Project Title : Design and Fabrication of Two fold  
Adjustable solar panel External on the  
top of E-Vehicles for charging Batteries

Amount Utilized : Rs.31594/-

It is certified that the Sum of Rs.31594/- (Thirty-one thousand five hundred ninety-four rupees.) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2023 has been utilized for the purpose for which it was sanctioned and sum of Rs.0 remaining unutilized is refunded.

  
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#### UTILIZATION CERTIFICATE

Name of the PI with Designation : Mr.S.Wesley Moses Samdoss  
AP/MTRE

Name of the Co-PI with Designation : Mr.A.Arulkumar , AP/MTRE

Project Title : Empowering Indoor Environments with  
an Autonomous Mobile Robot

Amount Utilized : 30,000/-

It is certified that the Sum of \_\_\_Rs. \_\_\_Thirty Thousand\_\_\_\_\_ (*Rupees in Words*)  
Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year  
\_\_\_\_\_2023-2024\_\_\_\_\_ has been utilized for the purpose for which it was sanctioned  
and sum of Rs. \_\_\_nil\_\_\_\_\_ remaining unutilized is refunded.

  
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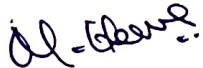
Name of the PI with Designation : Dr.M.Shanthi

Name of the Co-PI with Designation : NA

Project Title : Fabrication of Co-Polymer Based  
Composite and Gel Polymer Electrolytes  
for High Energy Density Batteries

Amount Utilized : Rs.3900/-

It is certified that the Sum of Rs.3900/- (*Rupees Three Thousand and Nine Hundred only*) Sanctioned through KAMARAJ SEED MONEY GRANT SCHEME during the year 2023 has been utilized for the purpose for which it was sanctioned and sum of Rs.16,100 /- remaining unutilized is refunded.

  
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