



# Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD

Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

**Dr. (Mrs.) S. Kowsalya**

M.Sc., M.Phil., Ph.D.

Registrar

Date : 29.05.2023

No. AIHS&HEW/R/2022/- - 8685

To

**Dr. C. Antony Crispin Sweety**

Assistant Professor (Tem), Department of Mathematics  
School of Physical Sciences & Computational Sciences

Dear Dr. C. Antony Crispin Sweety

The Research Project Development Committee (minutes dt. 19<sup>th</sup> to 27<sup>th</sup> May, 2023) has recommended the following project for funding under **Research and Development (2022 - 2023)**

File No	Avinuty/MRG/SPSCS-23/003
Title	Fermatean Neutrosophic Algebra and its Application in Edge Detection
PI	Dr. C. Antony Crispin Sweety, Assistant Professor (Tem), Department of Mathematics, School of Physical Sciences & Computational Sciences
Co-PI - 1	Dr. S. M. Sudha, Assistant Professor (Tem), Department of Mathematics, School of Physical Sciences & Computational Sciences
Amount	Rs. 1,00,000
Duration	1 year from the date of sanction

The grant may be utilized as per the following terms and conditions

1. Budget will be released in three installments. Utilization certificate is to be submitted at the end of the project period - on or before 31<sup>st</sup> March 2024 (Bills to be submitted for the same by 15<sup>th</sup> Dec, 2023 for I<sup>st</sup> Installment (50% of total budget), 15<sup>th</sup> Feb, 2024 for II<sup>nd</sup> Installment (40% of total budget) and 15<sup>th</sup> March, 2024 for III<sup>rd</sup> Installment (10% of total budget)
2. The final project report may be submitted to Assistant Dean (Sponsored Research) who will collate and submit to the authorities
3. Financial statements to be submitted to the Registrar through proper channel.
4. Kindly quote your project file number during future correspondence.
5. It is expected that the outcome of this project should be utilized for developing a major research proposal for submission to an extramural funding agency.

*S. Kowsalya*

REGISTRAR

**Copy to Co-PI**

**1. Dr. S. M. Sudha**, Assistant Professor (Tem), Department of Mathematics, School of Physical Sciences & Computational Sciences, AIHS&HEW

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'A++' Grade CGPA 3.65/4



Graded as Category-I University  
Recognised Under Section 12B by the UGC



Ranked 84  
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ARIIA  
ATL RANKING OF INSTITUTIONS  
ON INNOVATION ACHIEVEMENTS  
Ranked 5<sup>th</sup> under the University  
(Govt. & Govt. Aided) (Technical) Category



Granted Category A Status by MHRD - Top most rating  
for Deemed-to-be-Universities