



**DHANALAKSHMI SRINIVASAN  
COLLEGE OF ARTS AND SCIENCE FOR WOMEN  
(Autonomous)**

Affiliated to Bharathidasan University, Tiruchirappalli  
(Nationally Re-Accredited with 'A' Grade by NAAC)  
Perambalur – 621212



**Circular**

**Date: 28.06.2022**

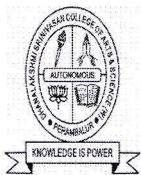
Dear Heads,

It is to inform you all that Management is offering seed money for the faculty members to encourage research activities of researchers, those who are willing to avail this opportunity, submit your research proposals which is not more than 10 pages on or before 29<sup>th</sup> July 2022 to the Research Committee. The proposal write up is to be given under the following format viz.,

1. Introduction
2. Objectives
3. Methodology
4. Work Plan
5. Budget
6. Any other details

**Signature of the Principal**

**PRINCIPAL  
DHANALAKSHMI SRINIVASAN COLLEGE  
OF ARTS AND SCIENCE FOR WOMEN  
(AUTONOMOUS),  
PERAMBALUR - 621 212.**



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Perambalur – 621212



**Circular**

**Date: 18.07.2022**

Dear Heads,

We are happy to inform you all that, the following proposals have been shortlisted to avail seed money from the management. The below mentioned faculty members are expected to give a presentation (slides not more than 15) in front of the expert committee on or before 22<sup>nd</sup> August 2022.

S.No	Name	Department
1	Dr.C.Surya	Biochemistry
2	Mrs.Krishnapriya	Biotechnology
3	Mrs.G.Gowri	Computer Application
4	Mrs.kamarunisha	Computer Application
5	Mrs.S.Ranichandhra	Computer Science
6	Mrs.R.sangeetha	Physics
7	Dr.K.Sowmiya	Physics
8	Dr.Sobanadevi	Biochemistry
9	Dr.Vijayalakshmi	Maths
10	Ms.R.Selvakumari	Computerscience
11	Mrs.Arthi Immaculate	commerce
12	Mrs.Aesa bi	Microbiology
13	Dr.A.Gangaiyammal	Microbiology

  
**Signature of the Principal**

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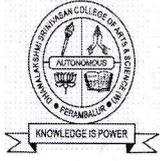
**Selected Proposals for Seed Money (2022-2023)**

**12.9.2022**

SNO	NAME	DEPARTMENT	TITLE	AMOUNT IN RS.
1	Dr.K.Sowmiya	Physics	Tailoring properties of nano-crystal Cdo thin film's by incorporation of Al for enhanced photo-Voltic applications	1,50,000
2	Mrs.M.Kamarunisha	Computer Applications	Optimization of multi parameters of WEDM using ANN based on principal component analysis for AA6063/BC Metal matrix composites	1,10,000
3	Mrs.S.Gowri	Computer Applications	Blockchain based Resource allocation on pervasive edge computing	100000
4	Dr.C.Surya	Biochemistry	Detoxification of harmful pollutants using highly efficient visible light active Ru/TiO2/PVDF photocatalytic membranes.	150000
5	Ms.S.Selvakumari	Computer science	Deep reinforcement learning based attack detection and counter measure in wireless sensor network.	125000
6	Dr.S.Vijayalakshmi	Maths	Hesitant fuzzy soft set	100000
7	Dr.A.Gangaiyammal	Microbiology	Fungi static effect of chemin ova in sugarcane field soil.	130000

**Signature of the Principal**

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Perambalur – 621212



From,

The Research Co-ordinator,  
Dhanalakshmi Srinivasan College of Arts & Science for Women (Autonomous),  
Perambalur.

To,

Chief Administrative Officer,  
Dhanalakshmi Srinivasan College of Arts & Science for Women (Autonomous),  
Perambalur.

Through,

Principal,  
Dhanalakshmi Srinivasan College of Arts & Science for Women (Autonomous),  
Perambalur.

Respected Sir,

Subject: Seed money for Research- Reg.

I writing you that to enlight the research culture among the faculties of our college, we are providing seed money grant for the faculty members for those who are doing the research. So, we kindly request you to provide a financial aid of **Rs.8,65,000** for the mentioned above.

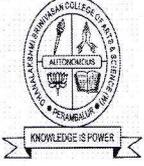
23.09.2022  
perambalur

*Recommended to Crm Sir*  
*To Mr. Rajkumar*  
*17/7/23*

**PRINCIPAL**

**DHANALAKSHMI SRINIVASAN COLLEGE  
OF ARTS AND SCIENCE FOR WOMEN  
(AUTONOMOUS),  
PERAMBALUR - 621 212.**

Yours Faithfully,



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Perambalur – 621212



**Circular**

**Date: 13.10.2022**

Dear Heads,

This is for your kind information that the faculty members who have got seed money from the management for their research work are expected to submit their report and Utilization Certificate to the research committee on or before 26<sup>th</sup> May 2023. The Utilization Certificate (UC) and Statement of Expenditure (SE) should be signed by the Principal investigator, Head of the department and Principal with official seal as the case may be. The Principal investigator is responsible for timely submission of UC and SE.

**Signature of the Principal**

**PRINCIPAL  
DHANALAKSHMI SRINIVASAN COLLEGE  
OF ARTS AND SCIENCE FOR WOMEN  
(AUTONOMOUS),  
PERAMBALUR - 621 212.**



# DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS & SCIENCE FOR WOMEN (AUTONOMOUS)

(Affiliated to Bharathidasan University, Tiruchirappalli)

(Nationally Re-Accredited with 'A' Grade by NAAC)

PERAMBALUR - 621 212. Tamil Nadu.

e-mail id : principal.dscasw@dsgroupmail.com



PRINCIPAL

30.09.2022

Ref No: DSCASW(A)/DEAN/RC/SM/2022-2023/001

## SANCTION ORDER

Dear, Dr.K.SOWMIYA,

We wish to inform you that your project grant under the seed-money scheme on **“Tailoring properties of nano-crystal CdO thin flims by incorporation of Al for enhanced photo-Voltic applications”** has been approved by the management on the recommendation of the Research Committee. The Management has approved a grant-in-aid a sum of ₹.1,50,000 (Rupees One lakh and Fifty Thousand only). You are requested to commence the study immediately. On the completion of the project, you are expected to submit the final report, statement of expenditure and utilization certificate.

With regards,

Copy to:

- 1) Research file (seed-money)
- 2) Accounts/ FC
- 3) Dean-RC

**PRINCIPAL**  
DHANALAKSHMI SRINIVASAN COLLEGE  
OF ARTS AND SCIENCE FOR WOMEN  
(AUTONOMOUS),  
PERAMBALUR - 621 212.

To

Dr.K.Sowmiya,  
Assistant Professor,  
Department of Physics,  
DSCASW(A).



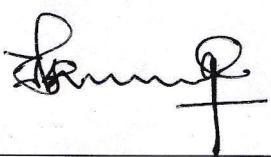
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**(Autonomous)**



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(Nationally Re-Accredited with 'A' Grade by NAAC)  
Perambalur – 621212

**UTILIZATION CERTIFICATE**

It is certified that, **Dr.K.Sowmiya** Assistant Professor, Department of Physics, has utilized sum of Rs. **1,50,000** (Rupees One lakh and Fifty Thousand only) received from Dhanalakshmi Srinivasan College of Arts and Science for Women (Autonomous) Perambalur, under the Seed money Scheme entitled “**Tailoring properties of nano-crystal CdO thin films by incorporation of Al for enhanced photolytic applications**”, letter No **DSCASW(A)/DEAN/RC/SM/2022-2023/001** dated **30.09.2022** has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the DSCASW(A).

Signature of the Principal Investigator	
Signature of Concerned Officer from A/C section, DSCASW (A)	

**Place: Perambalur**

**Date: 24.5.2023**





**DHANALAKSHMI SRINIVASAN  
COLLEGE OF ARTS & SCIENCE FOR WOMEN  
(AUTONOMOUS)**



(Affiliated to Bharathidasan University, Tiruchirappalli)  
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PERAMBALUR - 621 212. Tamil Nadu.  
e-mail id : principal.dscasw@dsgroupmail.com

PRINCIPAL

3.09.2022

Ref No: DSCASW(A)/DEAN/RC/SM/2022-2023/002

**SANCTION ORDER**

Dear, Mrs.M.KAMARUNISHA ,

We wish to inform you that your project grant under the seed-money scheme on “**Optimization of multi parameters of WEDM using ANN based on principal component analysis for AA6063/BC Metal matrix composites**” has been approved by the management on the recommendation of the Research Committee. The Management has approved a grant-in-aid a sum of **₹1,10,000** (Rupees One lakh and ten thousand only). You are requested to commence the study immediately. On the completion of the project, you are expected to submit the final report, statement of expenditure and utilization certificate.

With regards,

Copy to:

- 1) Research file (seed-money)
- 2) Accounts/ FC
- 3) Dean-RC

**PRINCIPAL  
DHANALAKSHMI SRINIVASAN COLLEGE  
OF ARTS AND SCIENCE FOR WOMEN  
(AUTONOMOUS),  
PERAMBALUR - 621 212.**

To

Mrs.M.Kamarunisha,  
Assistant Professor,  
Department of Computer Applications,  
DSCASW(A).



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**COLLEGE OF ARTS AND SCIENCE FOR WOMEN**  
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Perambalur – 621212

**UTILIZATION CERTIFICATE**

It is certified that **Mrs.M.Kamarunisha**, Assistant Professor, Department of Computer Applications, has utilized sum of Rs. **1,10,000** (Rupees One lakh and ten thousand only) received from Dhanalakshmi Srinivasan College of Arts and Science for Women (Autonomous) Perambalur, the Seed Money Scheme entitled “**Optimization of multi parameters of WEDM using ANN based on principal component analysis for AA6063/BC Metal matrix composites**” letter No **DSCASW(A)/DEAN/RC/SM/2022-2023/002** dated **30.09.2022** has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the DSCASW(A).

Signature of the Principal Investigator	
Signature of Concerned Officer from A/C section, DSCASW (A)	

**Place: Perambalur**

**Date: 26/5/2023**





# DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS & SCIENCE FOR WOMEN (AUTONOMOUS)

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PERAMBALUR - 621 212. Tamil Nadu.

e-mail id : principal.dscasw@dsgroupmail.com



PRINCIPAL

30.09.2022

Ref No: DSCASW(A)/DEAN/RC/SM/2022-2023/003

## SANCTION ORDER

Dear, Mrs.S.GOWRI,

We wish to inform you that your project grant under the seed-money scheme on “**Blockchain based Resource allocation on pervasive edge computing**” has been approved by the management on the recommendation of the Research Committee. The Management has approved a grant-in-aid a sum of ₹1,00,000 (Rupees One lakh only). You are requested to commence the study immediately. On the completion of the project, you are expected to submit the final report, statement of expenditure and utilization certificate.

With regards,

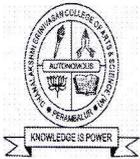
**PRINCIPAL**  
DHANALAKSHMI SRINIVASAN COLLEGE  
OF ARTS AND SCIENCE FOR WOMEN  
(AUTONOMOUS),  
PERAMBALUR - 621 212.

Copy to:

- 1) Research file (seed-money)
- 2) Accounts/ FC
- 3) Dean-RC

To

Mrs.S.Gowri,  
Assistant Professor,  
Department of Computer Application,  
DSCASW(A).



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Perambalur – 621212

**UTILIZATION CERTIFICATE**

It is certified that **Mrs. Gowri**, Assistant Professor, Department of Computer Application has utilized sum of Rs. **1,00,000** (Rupees One lakh only) received from Dhanalakshmi Srinivasan College of Arts and Science for Women (Autonomous) Perambalur, the Seed money Scheme entitled” **Blockchain based Resource allocation on pervasive edge computing**” letter No **DSCASW (A)/DEAN/RC/SM/2022-2023/003** dated **30.09.2022** has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the DSCASW (A)

Signature of the Principal Investigator	
Signature of Concerned Officer from A/C section, DSCASW (A)	

**Place: Perambalur**

**Date:**





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e-mail id : principal.dscasw@dsgroupmail.com



**PRINCIPAL**

30.09.2022

**Ref No: DSCASW(A)/DEAN/RC/SM/2022-2023/004**

**SANCTION ORDER**

Dear , Dr.C.SURYA

We wish to inform you that your project grant under the seed-money scheme on **“Detoxification of harmful pollutants using highly efficient visible light active Ru/TiO<sub>2</sub>/PVDF photocatalytic membranes.”** has been approved by the management on the recommendation of the Research Committee. The Management has approved a grant-in-aid a sum of **₹1,50,000** (Rupees One lakh fifty thousand only). You are requested to commence the study immediately. On the completion of the project, you are expected to submit the final report, statement of expenditure and utilization certificate.

With regards,

Copy to:

- 1) Research file (seed-money)
- 2) Accounts/ FC
- 3) Dean-RC

**PRINCIPAL  
DHANALAKSHMI SRINIVASAN COLLEGE  
OF ARTS AND SCIENCE FOR WOMEN  
(AUTONOMOUS),  
PERAMBALUR - 621 212.**

TO

Mrs.Dr.C.Surya  
Assistant Professor,  
Department of Biochemistry,  
DSCASW(A).



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Perambalur – 621212

**UTILIZATION CERTIFICATE**

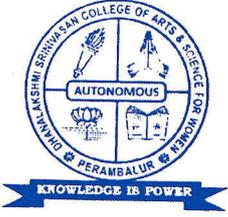
It is certified that Mrs.**Dr.C.Surya**, Assistant Professor, Department of Biochemistry, has utilized sum of **Rs. 1,50,000** (Rupees One lakh and fifty thousand only) received from Dhanalakshmi Srinivasan College of Arts and Science for Women (Autonomous) Perambalur, under the Seed Money Scheme entitled **“Detoxification of harmful pollutants using highly efficient visible light active Ru/TiO<sub>2</sub>/PVDF photocatalytic membranes”** letter No **DSCASW(A)/DEAN/RC/SM/2022-2023/004** dated **30.09.2022** has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the DSCASW(A).

Signature of the Principal Investigator	
Signature of Concerned Officer from A/C section, DSCASW (A)	

**Place: Perambalur**

**Date: 26/5/2023**





**DHANALAKSHMI SRINIVASAN**  
**COLLEGE OF ARTS & SCIENCE FOR WOMEN**  
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e-mail id : principal.dscasw@dsgroupmail.com

PRINCIPAL

30.09.2022

Ref No: DSCASW(A)/DEAN/RC/SM/2022-2023/005

**SANCTION ORDER**

Dear, Mrs.S.SELVAKUMARI,

We wish to inform you that your project grant under the seed-money scheme on “Deep reinforcement learning based attack detection and counter measure in wireless sensor network.” has been approved by the management on the recommendation of Research committee. The Management has been approved a grant-in-aid a sum of ₹1,25,000 (Rupees One lakh and twenty-five thousand only). You are requested to commence the study immediately. On the completion of the project, you are expected to submit the final report, statement of expenditure and utilization certificate.

With regards,

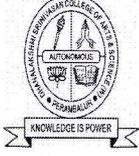
Copy to:

- 1) Research file (seed-money)
- 2) Accounts/ FC
- 3) Dean-RC

To

Mrs.S.Selvakumari,  
Assistant Professor,  
Department of Computer Science,  
DSCASW(A).

**PRINCIPAL**  
DHANALAKSHMI SRINIVASAN COLLEGE  
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Perambalur – 621212

**UTILIZATION CERTIFICATE**

It is certified that **Mrs.S.Selvakumari**, Assistant Professor, Department of Computer science, has utilized sum of Rs. **1,25,000** (Rupees One lakh and twenty five thousand only) received from Dhanalakshmi Srinivasan College of Arts and Science for Women (Autonomous) Perambalur, under the Seed Money Scheme entitled “**Deep reinforcement learning based attack detection and counter measure in wireless sensor network**”, letter No **DSCASW(A)/DEAN/RC/SM/2022-2023/005** dated **30.09.2022** has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the DSCASW(A).

Signature of the Principal Investigator	
Signature of Concerned Officer from A/C section, DSCASW (A)	

**Place: Perambalur**

**Date: 24/6/2023**





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e-mail id : principal.dscasw@dsgroupmail.com

PRINCIPAL

30.09.2022

Ref No: DSCASW(A)/DEAN/RC/SM/2022-2023/006

**SANCTION ORDER**

Dear , Dr.S.VIJAYALAKSHMI ,

We wish to inform you that your project grant under the seed-money scheme on “Hesitant fuzzy soft set” has been approved by the management on the recommendation of the Research Committee, The Management has approved a grant-in-aid a sum of ₹.1,00,000 (Rupees One lakh only). You are requested to commence the study immediately. On the completion of the project, you are expected to submit the final report, statement of expenditure and utilization certificate.

With regards,

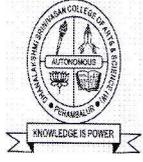
**PRINCIPAL**  
DHANALAKSHMI SRINIVASAN COLLEGE  
OF ARTS AND SCIENCE FOR WOMEN  
(AUTONOMOUS),  
PERAMBALUR - 621 212.

Copy to:

- 1) Research file (seed-money)
- 2) Accounts/ FC
- 3) Dean-RC

To

Dr.S.Vijayalakshmi ,  
Assistant Professor,  
Department of Maths,  
DSCASW(A).



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Perambalur – 621212

**UTILIZATION CERTIFICATE**

It is certified that **Dr S.Vijayalakshmi** Head and Assistant Professor, Department of Maths, has utilized sum of Rs. **1,00,000** (Rupees One lakh only) received from Dhanalakshmi Srinivasan College of Arts and Science for Women (Autonomous) Perambalur, under the Seed Money Scheme entitled **“Hesitant fuzzy soft set”**, letter No **DSCASW(A)/DEAN/RC/SM/2022-2023/006** dated **30.09.2022** has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the DSCASW(A).

Signature of the Principal Investigator	
Signature of Concerned Officer from A/C section, DSCASW (A)	

**Place: Perambalur**

**Date: 24.5.2023**





# DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS & SCIENCE FOR WOMEN (AUTONOMOUS)



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e-mail id : principal.dscasw@dsgroupmail.com

PRINCIPAL

30.09.2022

Ref No: DSCASW(A)/DEAN/RC/SM/2022-2023/007

## SANCTION ORDER

Dear, Dr.A.GANGAIYAMMAL,

We wish to inform you that your project grant under the seed-money scheme on “Fungi static effect of chemin ova in sugarcane field soil “has been approved by the management on the recommendation of the Research Committee “. The Management has approved a grant-in-aid a sum of ₹1,30,000 (Rupees One lakh and thirty thousand only). You are requested to commence the study immediately. On the completion of the project, you are expected to submit the final report, statement of expenditure and utilization certificate.

With regards,

Copy to:

- 1) Research file (seed-money)
- 2) Accounts/ FC
- 3) Dean-RC

To

Dr.A.Gangaiyammal,  
Assistant Professor,  
Department of Microbiology,  
DSCASW(A).

PRINCIPAL  
DHANALAKSHMI SRINIVASAN COLLEGE  
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Perambalur – 621212

**UTILIZATION CERTIFICATE**

It is certified that **Dr.A.Ganagaiyammal**, Assistant Professor, Department of Microbiology, has utilized sum of Rs. **1,30,000** (Rupees One lakh and thirty thousand only) received from Dhanalakshmi Srinivasan College of Arts and Science for Women (Autonomous) Perambalur, under the Seed Money Scheme entitled “**Fungi static effect of chemin ova in sugarcane field soil**” letter No **DSCASW(A)/DEAN/RC/SM/2022-2023/007** dated **30.09.2022** has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the DSCASW(A).

Signature of the Principal Investigator	
Signature of Concerned Officer from A/C section, DSCASW (A)	

**Place: Perambalur**

**Date: 25.5.2023**

