



# Ethiraj College For Women

(AUTONOMOUS)

## Criterion III

3.2.1 - Total Grants from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

### DVV Finding:

Provide E-copies of the letters of award for

1. Tamil Nadu State council for Science and Technology
2. ASLAP- AICTE Students Learning Assessment Project-Ministry of Education initiation as per Stanford university guidelines
3. State Council of Educational research and training.(SCERT)
4. Science and Engineering Research Board (SERB)
5. Civil Supplies and Consumer Protection department sponsored by Government and non-government sources 2016-17, 2017-18 , 2018-19 and 2019-20, 2020-21.

### Response of HEI:

As per the DVV requirement, the following has been provided in the document attached.

E-copies of the letters of award for

1. Tamil Nadu State council for Science and Technology
2. ASLAP- AICTE Students Learning Assessment Project-Ministry of Education initiation as per Stanford university guidelines
3. State Council of Educational research and training. (SCERT)
4. Science and Engineering Research Board (SERB)
5. Civil Supplies and Consumer Protection department sponsored by Government and non-government sources 2016-17, 2017-18 , 2018-19 and 2019-20, 2020-21.

*S. Uthairai .*

Principal

ETHIRAJ COLLEGE FOR WOMEN

[www.ethirajcollege.edu.in](http://www.ethirajcollege.edu.in)

Email : [ethirajprincy@yahoo.com](mailto:ethirajprincy@yahoo.com)

[principal@ethirajcollege.edu.in](mailto:principal@ethirajcollege.edu.in)

Phone : 28279189

Fax : 044 - 2828 2014

No. 70, Ethiraj Salai,  
Egmore, Chennai - 600 008



# **ETHIRAJ COLLEGE FOR WOMEN (Autonomous) Chennai**

Affiliated to the University of Madras \* College with Potential for Excellence \* Reaccredited with A grade by NAAC

## **3.2.1**

### **RESEARCH GRANTS FROM GOVERNMENT/ NON GOVERNMENT AGENCIES 2020-21**

Dr. S. Kothai, Department of Chemistry



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

Phone : 044 - 2230 1428  
Telefax : 044 - 2230 1552

Web : www.tanscst.nic.in  
E-mail : ms.tanscst@nic.in/enquiry.tanscst@nic.in

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

S. No. TNSCST/STP/PRG/09/2019-2020/

To  
The Principal  
✓ Ethiraj College for Women  
Chennai - 600 008

3698 3631 29.03.2021  
ETHIRAJ COLLEGE FOR WOMEN  
31 MAR 2021  
CHENNAI-600 008.

Sir/Madam,

Sub: TNSCST – S&T Project on "Novel Carbon-Based Polymer Nanocomposites for fuel cells" –Approval-grant release - intimation – Reg.  
Ref: Proposal dated 25.02.2020

I am happy to inform you that State Council has approved your above cited research proposal for funding. A copy of the terms and conditions governing the grant is enclosed herewith for your reference. The approved budget for the project entitled "Novel Carbon-Based Polymer Nanocomposites for fuel cells" is Rs.4,85,000/- for Two years. Kindly acknowledge your acceptance in a week time for the above budget and details including terms and conditions.

Kindly Find enclosed herewith cheque for first year approved grant of Rs 2,75,000 - (Rupees Two lakh and seventy five thousand only). You have to submit a declaration stating that the above cited "project has not receiving any funds from any other funding agency". All communication should be sent through the proper channel.

With best wishes

Yours faithfully

Member Secretary

Encl: 1 Cheque for Rs 2,75,000/- No. 352288 dt 29.03.2021  
2 Terms and conditions

Copy to  
1. Ms. S. Kothai  
2. Ms. S. Kothai  
3. Ms. S. Kothai  
4. Ms. S. Kothai  
5. Ms. S. Kothai

S. Kothai  
PRINCIPAL  
ETHIRAJ COLLEGE FOR WOMEN  
(AUTONOMOUS)  
CHENNAI-600 008.

Dr. Shantha Visalakshi, Department of MCA



Dr. Mrs. Shantha Visalakshi U <shanthavisalakshi@ethirajcollege.edu.in>

ICTE Student Learning Assessment Project - Reviwer Registration

messages

A Project <slaproject@aicte-india.org>  
cc: shanthavisalakshi@ethirajcollege.edu.in

Thu, May 13, 2021 at 2:46 P

Dear Sir/Madam,

Congratulations you are successfully nominated as reviewers for the AICTE Student Learning Assessment Project. You are requested to register yourself as reviewer on the Portal

Steps for Registration:

- 1: Registration of Reviewer: Please Visit ([aslap.aicte-india.org/register](http://aslap.aicte-india.org/register)) your self as an Reviewer in you Specialisation and Stream
- 2: Verify your email
- 3: Login and Submit the Profile (Basic Details + Bank Details) ( [aslap.aicte-india.org/login](http://aslap.aicte-india.org/login) )

Questions for Review will be assigned to you at a later stage. Please check your registered email for further notifications

Thanks and Regards

AICTE ASLAP Team

: Mrs. Shantha Visalakshi U <shanthavisalakshi@ethirajcollege.edu.in>  
: SLA Project <slaproject@aicte-india.org>

Thu, May 13, 2021 at 2:51 P

I accept the invitation, Tnq Prof!

Quoted text hidden

*S. Kothari*

PRINCIPAL  
ETHIRAJ COLLEGE FOR WOMEN  
(AUTONOMOUS)  
CHENNAI-600 008.

Dr. Shantha Visalakshi, Department of MCA



Application Form

Reviewer Details

Name:	Dr Shantha Visalakshi U	
Email:	profdrusv@gmail.com	
Gender:	Female	

08-Apr-2021	08-Apr-2021		NEFT-SBIN-SBIN421098398176 -AICTE- /ATTN/AICTE~	TRF		6475.00
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Date	Value Date	Chq No	Narration	Cod	Debit	Credit
12-Aug-2021	12-Aug-2021		NEFT-SBIN-SBIN421224382091 -AICTE- /ATTN/AICTE~	TRF		7200.00
12-Aug-2021	12-Aug-2021		NEFT-SBIN-SBIN421224382100 -AICTE- /ATTN/AICTE~	TRF		5040.00

Date	Value Date	Chq No	Narration	Cod	Debit	Credit
17-Aug-2021	17-Aug-2021		NEFT-SBIN-SBIN221229710233 -AICTE- /ATTN/AICTE~	TRF		14400.00

Date	Value Date	Chq No	Narration	Cod	Debit	Credit
14-Sep-2021	14-Sep-2021		NEFT-SBIN-SBIN221257383795 -AICTE- /ATTN/AICTE~	TRF		5040.00
14-Sep-2021	14-Sep-2021		NEFT-SBIN-SBIN221257383886 -AICTE- /ATTN/AICTE~	TRF		10764.00

Date	Value Date	Chq No	Narration	Cod	Debit	Credit
16-Sep-2021	16-Sep-2021		NEFT-SBIN-SBIN421259185732 -AICTE- /ATTN/AICTE~	TRF		12240.00

29-Sep-2021	29-Sep-2021		NEFT-SBIN-SBIN321272750656 -AICTE- /ATTN/AICTE~	TRF		4104.00
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S. Koteshan

PRINCIPAL  
ETHIRAJ COLLEGE FOR WOMEN  
(AUTONOMOUS)  
CHENNAI-600 008.

Dr.D.B. Usha Rani, Department of Economics

Proceedings of the Director, State Council of Educational Research and Training, Chennai - 6

Re. No 5983/D2/2019, dt. 16.12.2021

Sub: Approval of Research Projects regarding

Ref: 1 Minutes of the SRGC Meeting with the Managing Director held at Coimbatore  
of TNES & FSC on 03.12.2021  
2 Letters from the Principals of DIET Coimbatore, The Nilgiris and Tiruvannamalai

As cited in the reference that the following Research Proposals are approved based on their presentation in the SRGC meeting held on 03.12.21. SRGC proposed the following Research Studies to be conducted by utilizing SCERT Research Fund and the unspent research fund from the select DIETs. Hence the following DIET principals are informed to expedite the collaborative Research Studies with the select organizations under the approved research titles

S.No.	Name of the Presenter	Title	Funding Organization	Amount (Rs.)	Organization to conduct collaborative Research
1.	Dr. Usha Rani, Principal Incharge, Associate Professor and head, Ethiraj College, Chennai	Study on the impact of Covid-19 on the learning outcome of middle school children.	SCERT	2 lakhs	Ethiraj College, Chennai
2	Dr. Veena Gayatri, Assistant Professor, Department of Biotechnology, Stella Mary's College, Chennai- 86.	Mastery of Learning outcomes of students of VI, VII or VIII	DIET, The Nilgiris	1.9 lakhs	Stella Maris College, Chennai- 86.
3	Dr. Blessing Mary, Assistant Professor, Mother Teresa womens' University, Saidapet, Chennai.	Study habit of English Language among Secondary School Students	DIET, Coimbatore	1.92 lakhs	Mother Teresa womens' University, Saidapet, Chennai

S. Kotrani

PRINCIPAL  
ETHIRAJ COLLEGE FOR WOMEN  
(AUTONOMOUS)  
CHENNAI-600 008

Dr.D.B. Usha Rani, Department of Economics

Dr Ugin Rositta, Assistant Professor, Department of Education, University of Madras.	Learning outcome of Home Education during COVID- 19	DIET, Tiruvannamalai	1.5 lakhs	University of Madras
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Dr.D.Manikandan,I.A.S and Dr.S.Shameem would be the Research Guides for these proposed Researches. Madras Institute of Developmental Studies (MIDS) may be informed to monitor and review the Research Proposals. Thus, the above mentioned Researchers are informed to get approval for their Research objectives, Research issues, Methodology, Sample, Research Time line by 22.12.2021 from SCERT and MIDS..The progress of research to be reported by the DIETs and the collaborative Researchers to SCERT and MIDS fortnightly.

It is informed that 50% of the allotted amount for conducting collaborative researches with Ethiraj College, Stella Maries College, Mother Theresa University and Madras University shall be released as first installment.. After getting the draft report from the researcher, the remaining 50% amount shall be released.

Submitted for the kind orders of the Director to conduct the above mentioned Research Projects.

*B.D.*  
DIRECTOR  
15/12/21

Copy submitted to

1. Dr.D.Manikandan,I.A.S, Managing Director, TNTB & ES, Chennai-6
2. Dr.Venkatachalam & Dr.Jafar, MIDS, Chennai
3. Dr. Usha Rani, Principal Incharge , Associate Professor and head, Ethiraj College, Chennai
4. Dr. Veena Gayatri, Assistant Professor, Department of Biotechnology, Stella Mary's College, Chennai- 86.
5. Dr.Blessing Mary, Assistant Professor, Mother Teresa womens' University , Saidapet, Chennai.
6. Dr.Ugin Rositta, Assistant Professor,Department of Education, University of Madras

*S. Kothari*

PRINCIPAL  
ETHIRAJ COLLEGE FOR WOMEN  
(AUTONOMOUS)  
CHENNAI-600 008.

Dr.M. Madhavi, Department of Zoology

FILE NO. TAR/2021/000321  
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)  
(A statutory body of the Department of Science & Technology, government of India)

Science and Engineering Research Board  
3rd & 4th Floor, Block II  
Technology Bhavan, New Mehrauli Road  
New Delhi - 110016

Dated: 03-Feb-2022

ORDER

Subject: Financial Sanction under Teachers Associateship for Research Excellence (TARE) to Dr. Madhavi Mookkan, Ethiraj College For Women, 70, Ethiraj Salai, Egmore, Chennai, Tamil Nadu, Chennai, Tamil Nadu-600008- under the mentorship of Dr. M. Makesh, at Central Institute Brackishwater Aquaculture Mandavelipakkam, Chennai, TN - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned grant at a total cost of Rs. 18,30,000/- (Rs. Rupees Eighteen Lakh Thirty Thousand only Only) for a duration of 36 months. The date of start of the project will be 07 December, 2021. The items of expenditure for which the total allocation of Rs. 18,30,000/- has been approved are given below:

The following budget is proposed for  
Ethiraj College For Women, 70, Ethiraj Salai, Egmore, Chennai, Tamil Nadu, Chennai, Tamil Nadu-600008  
(Parent)

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 0 (@0/- per month (consolidated))
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

Central Institute Brackishwater Aquaculture Mandavelipakkam, Chennai, TN - (Host)

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 60,000 ( on completion of 90 days mandatory attendance in the host institute every year)
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

2. Sanction of the SERB is also accorded to the payment of Rs. 2,75,000/- (Rupees Two Lakh Seventy Five Thousand only) to Ethiraj College For Women, 70, Ethiraj Salai, Egmore, Chennai, Tamil Nadu, Rs. 3,35,000/- (Rupees Three Lakh Thirty Five Thousand only) to Central Institute Brackishwater Aquaculture Mandavelipakkam, Chennai, TN - being the first installment of the grant for the year 2021-2022 for implementation of the said research project.

3. The expenditure involved is debitible to

Fund for Science & Engineering Research (FSER)

This release is being made under Teachers Associateship For Research Excellence (TARE). (Animal Sciences)

4. The Sanction has been issued with the approval of the competent authority vide Diary No. SERB/F/7993/2021-2022 dated 03 February, 2022

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in)).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

8. The release amount of Rs. 2,75,000/- (Rupees Two Lakh Seventy Five Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Ethiraj College for Women, 70, ethiraj salai, egmore, chennai, tamil nadu, Chennai, Tamil nadu-600008 (Parent):

PFMS Unique Code	43902
Account Name	The Principal, Ethiraj College SERB-DST Project Account
Account Number	153801000031745
Bank Name & Branch	Indian Overseas Bank Women Entrepreneur Branch and Ethiraj College Campus, Commander-in-Chief RD (Ethiraj Road), Chennai - 600 008, Tamil Nadu
IFSC/RTGS Code	IOBA0001538
Email address of PI	madhavisuccess@gmail.com
Email id of A/C Holder	principal@ethirajcollege.edu.in
Email address of concerned officer	ms_tare@serbonline.in

The release amount of Rs. 3,35,000/- (Rupees Three Lakh Thirty Five Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Central Institute Brackishwater Aquaculture Mandavelipakkam, Chennai, TN - (Host):

PFMS Unique Code	CIBA
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S. Kothari  
PRINCIPAL  
ETHIRAJ COLLEGE FOR WOMEN  
(AUTONOMOUS)  
CHENNAI-600 008



Dr.M. Madhavi, Department of Zoology

Account Name	ICAR Unit-CIBA, Chennai
Account Number	10013240762
Bank Name & Branch	State Bank of India Santhome Branch and No.120, Santhome High Road, Chennai - 600 028
IFSC/RTGS Code	SBIN0005797
Email address of PI	madhavisuccess@gmail.com
Email id of A/C Holder	director.ciba@icar.gov.in
Email id of Mentor	Dr. M. Makesh

9.Both the institutes will furnish Utilization certificate(UCs) financial year wise to the SERB and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

10. The institute will maintain separate audited accounts for the fellowship. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

11. The File no. TAR/2021/000321 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

12. As this is the first grant for the fellowship, no previous U/C is required.

13. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

14. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

15. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.

  
(Dr. T Thangaradjou)  
Scientist F  
msls@serb.gov.in

To,  
Under Secretary  
SERB, New Delhi

Copy forwarded for information and necessary action to:-

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	(i) Dr. Madhavi Mookkan PG and Research Department of Zoology Ethiraj College for Women, 70, ethiraj salai, egmore, chennai, tamil nadu, Chennai, Tamil nadu-600008 Email: madhavisuccess@gmail.com Mobile: 919884997032  (ii) Dr. M. Makesh Central Institute Brackishwater Aquaculture Mandavelipakkam, Chennai, TN -  (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	(i) Associate Professor, Ethiraj College For Women, 70, Ethiraj Salai, Egmore, Chennai, Tamil Nadu  (ii) Director I/c Central Institute Brackishwater Aquaculture Mandavelipakkam, Chennai, TN -  (Receipt of Grant may be intimated by name to the undersigned)

  
(Dr. T Thangaradjou)  
Scientist F  
msls@serb.gov.in

  
PRINCIPAL  
ETHIRAJ COLLEGE FOR WOMEN  
(AUTONOMOUS)  
CHENNAI-600 009.

Citizen Consumer Club, Ethiraj college for Women

உணவுப் பொருள் வழங்கல் மற்றும் நுகர்வோர் பாதுகாப்புத் துறை

அனுப்புநர்  
திரு.பெர்சி சாமுவேல்  
துணை ஆணையாளர் (ந) தெற்கு  
உணவுப்பொருள் வழங்கல் மற்றும்  
நுகர்வோர் பாதுகாப்புத்துறை,  
சேப்பாக்கம்,  
சென்னை - 600 005.

- பெற்றநர்  
1. முதல்வர்  
எத்திராஜ் மகளிர் கல்லூரி,  
சென்னை.
2. முதல்வர்  
பிரின்ஸ் பார்டீ வெங்கடேஸ்வரா கலை  
அறிவியல் கல்லூரி, கௌரிவாக்கம்,  
சென்னை-73.
3. முதல்வர்  
பெட்ரிசியன் கலை அறிவியல் கல்லூரி,  
காந்தி நகர், அடையார், சென்னை-20.
4. தலைமையாசிரியர்  
G.R.T மகாலெக்ஷ்மி வித்யா மெட்ரிக் மேல்  
நிலைப்பள்ளி, 6-வது அகிலிப்பு,  
அசோக் நகர், சென்னை-83.
5. தலைமையாசிரியர்  
P.S.S மெட்ரிக் மேல்நிலைப்பள்ளி,  
மயிலாப்பூர், சென்னை-4.



ந.க.எண்.எஸ்4/1651/2018, நாள்:03.03.2021

அய்யா/அம்மையர்,

பொருள்: உணவுப்பொருள் வழங்கல் மற்றும் நுகர்வோர் பாதுகாப்புத் துறை  
- நுகர்வோர் விழிப்புணர்வு நடவடிக்கைகள் - துணை  
ஆணையாளர் (ந) தெற்கில் சிறப்பாக செயல்பட்டு வரும் 5  
பள்ளி/கல்லூரிகளின் குடிமக்கள் நுகர்வோர் மன்றங்கள் தேர்வு  
செய்யப்பட்டது - ரூ.35,000/- நிதி ஒதுக்கீடு செய்து  
வழங்கப்பட்டது - பயனீட்டுச் சான்று அனுப்பக் கோருதல் -  
தொடர்பாக.

- பார்வை: 1. ஆணையாளர்,உணவுப்பொருள் வழங்கல் மற்றும் நுகர்வோர்  
பாதுகாப்புத் துறை அவர்களின் செயல்முறை ஆணை  
எண்.நுவி1/4085/2018, நாள்:30.07.2019 மற்றும்  
27.11.2019.
2. துவ்வலகை கடிதம் எண்.எஸ்4/602/2018,  
நாள்: 04.03.2020.

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பார்வை-1ல் காணும் ஆணையாளர் அவர்களின் உத்தரவின் படி சென்னை (ந) தெற்கு  
சரகத்திற்குப் பட்ட தங்கள் பள்ளி (ரூ.2500/-)/கல்லூரிகளுக்கு (ரூ.10000/-) நுகர்வோர்  
விழிப்புணர்வு குறித்த நிகழ்ச்சிகள் நடத்திட பார்வை-2ல் காணும் கடிதத்தில் நிதி ஒதுக்கீடு  
செய்து காசோலை மூலம் வழங்கப்பட்டது. தற்போது பள்ளி/கல்லூரிகள் செயல்பட்டுவரும்  
நிலையில் நுகர்வோர் பாதுகாப்பு மற்றும் விழிப்புணர்வு குறித்த நிகழ்ச்சிகள்  
நடத்தப்பெற்றதற்கான அறிக்கைகள் மற்றும் பயனீட்டு சான்று அனுப்பி வைக்குமாறு கேட்டுக்  
கொள்கிறேன்.

ஓம்/-பெர்சி சாமுவேல்  
துணை ஆணையாளர் (ந) தெற்கு

//ஆணைப்படி அனுப்புதல்//

Sanction of grant of  
Rs. 10000/- for organising  
awareness programs on  
Consumer Protection by  
Civil Supplies and  
Consumer Protection  
department, Govt of  
Tamil Nadu.

S. Kotian

PRINCIPAL  
ETHIRAJ COLLEGE FOR WOMEN  
(AUTONOMOUS)  
CHENNAI-600 008.

மேலாளர் 3/31/21

Citizen Consumer Club, Ethiraj college for Women

உணவுப்பொருள் வழங்கல் மற்றும் நுகர்வோர் பாதுகாப்புத்துறை

அனுப்புநர்  
திரு. டெர்சி சாமுவேல்  
துணை ஆணையாளர் (ந) தெற்கு  
உணவுப்பொருள் வழங்கல் மற்றும்  
நுகர்வோர் பாதுகாப்புத்துறை,  
சேப்பாக்கம்,  
சென்னை - 600 005.

பெற்றார்  
The Principal,  
Ethiraj College for Women,  
Ethiraj Salai, Chennai-8.

ந.க.எண்.எஸ்4/602/2018, நாள்: 03.03.2021

அவ்வா/அம்மையர்,



பொருள்: நுகர்வோர் பாதுகாப்பு - உணவுப்பொருள் வழங்கல் மற்றும்  
நுகர்வோர் பாதுகாப்புத் துறை - சென்னை (ந) தெற்கு -  
குடிமக்கள் நுகர்வோர் மற்றும் - பகுதி-III மற்றும் IV க்கான  
நிதி ஒதுக்கீடு வழங்கப்பட்டது - செலவினம் மேற்கொண்டது -  
பயனீட்டு சான்று கோருதல் - தொடர்பாக.

பார்வை: துணை ஆணையாளர் (ந) தெற்கு அவர்களின் செயல்முறை  
ஆணை எண்.எஸ்4/602/2018, நாள்: 22.04.2019 மற்றும்  
18.07.2019.

\*\*\*\*\*

பார்வையில் காணும் துணை ஆணையாளர் (ந) தெற்கு அவர்களின் செயல்முறை  
ஆணையின் படி தென் சரக மண்டலங்களில் பள்ளி/கல்லூரிகளில் செயல்படும் 44  
குடிமக்கள் நுகர்வோர் மன்றங்களுக்கு தலா ரூ.5000/- வீதம் ஒதுக்கீடு செய்யப்பட்டது.  
இதனைத் தொடர்ந்து 44 குடிமக்கள் நுகர்வோர் மன்றங்களுக்கு PFMS மூலம் பணப்  
பரிவர்த்தனை செய்யப்பட்டது.

மேற்படி பகிர்நீதிக்கப்பட்ட தொகையில் செலவினம் மேற்கொள்ளப்பட்ட வரையில்  
பயன்படுத்தப்பட்டதற்கான பயனீட்டு சான்றினை உடன் அனுப்பி வைக்குமாறு கேட்டுக்  
கொள்கிறேன்.

ஓம்/டெர்சி சாமுவேல்  
துணை ஆணையாளர் (ந) தெற்கு

நகல்:  
உதவி ஆணையாளர்கள்  
உணவுப் பொருள் வழங்கல் மற்றும்  
நுகர்வோர் பாதுகாப்புத் துறை,  
தென்சரக மண்டலங்கள்,  
சென்னை.

//ஆணைப்படி அனுப்பப்படுகிறது//

3/3/21  
மேலாளர்

Sanction of grant of Rs. 5000/- for  
organising awareness programs on  
Consumer Protection by Civil Supplies and  
Consumer Protection department, Govt of  
Tamil Nadu.

S. Kothari  
PRINCIPAL  
ETHIRAJ COLLEGE FOR WOMEN  
(AUTONOMOUS)  
CHENNAI-600 008



Dr. Mrs. Shantha Visalakshi U <shanthavisalakshi@ethirajcollege.edu.in>

## Preparation of Assessment items in Student learning Assessment Project (SLAP)

1 message

**no-reply** <admin@aicte-india.org>

Wed, Mar 10, 2021 at 11:47 AM

To: shanthavisalakshi@ethirajcollege.edu.in

Dear Professor,

Congratulations! AICTE is considering your interest to work for Student learning Assessment (SLA) Project and give your part of contribution in this National level initiative to understand Level and Gains of students studying in Technical Institutions of India.

In continuation with preparation of survey items set for the Core Engineering Areas (Civil Engineering, Mechanical Engineering, Electrical Engineering, Electronics & Communication Engineering and Computer Science & Engineering) and Aptitude Skill Areas (Physical, Mental, Integrity, Social, Spiritual), you are requested to kindly go through the attached documents for:

1. Sample question paper to have some rough idea on the type of Survey Items sought
2. SLA Guidelines

In view of the above, you are requested to kindly start preparing survey items based on the Guidelines mentioned in the document attached.

NOTE: Link to upload the survey item set for SLA Project will be provided to you in due course of time.

PFA:

<https://drive.google.com/file/d/1gJtAYscZpBtHVggmO9fn5XIOgNfa3dlb/view?usp=sharing>

<https://drive.google.com/file/d/1qhe5m46XhRtoekJU3V7jcdFrEH3FTgf6/view?usp=sharing>

<https://drive.google.com/file/d/1tggHMBNc10ju0hsmqmRICnov2b8K6l3/view?usp=sharing>

Thanks & Regards,  
AICTE

**PROJECT PROPOSAL FOR  
COLLABORATIVE RESEARCH STUDY ON MASTERY OF LEARNING OUTCOMES  
AT THE ELEMENTARY LEVEL 2021**

**Project Title: “A STUDY ON THE IMPACT OF COVID-19 ON THE LEARNING OUTCOMES  
OF MIDDLE SCHOOL CHILDREN”**

**Submitted to**

**SCERT**

**Under the Guidance of**

**Dr.D.Manikanadan I.A.S**

**&**

**Dr.S.Shameem**

**Monitoring and Review Committee**

**Dr.L.Venkatachalam & Dr. K.Jafar**

**MIDS Chennai**

PART – A

1. Broad Subject  
Economics
2. Area of Specialization  
Development Economics
3. Duration  
3 Months
4. Principal Investigator  
Dr.D.B.Usharani, M.A., M.Phil., Ph.D.,  
Principal In-Charge  
Associate Professor & Head  
Department of Economics,  
Ethiraj College for Women, Chennai

Co-Investigators

Dr.S.Malini  
M.A., M.Phil., Ph.D  
Associate Professor  
Department of Economics

Dr.G.Neelavathy  
M.A., M.Phil., Ph.D  
Assistant Professor  
Department of Economics

Dr.G.Radhika  
M.A., M.Phil., Ph.D  
Assistant Professor  
Department of Economics

Dr.Saradha A  
M.A., M.Phil., Ph.D., B.Ed., MBA  
Assistant Professor  
Department of Economics

5. Name of the Department where the project will be undertaken:

Department : Postgraduate & Research Department of Economics  
Ethiraj College for Women, Chennai-600 008

## **PART – B**

### **6. Proposed Research Work**

**(i) Project Title:** “A STUDY ON THE IMPACT OF COVID-19 ON THE LEARNING OUTCOMES OF MIDDLE SCHOOL CHILDREN”

**(ii)Introduction:** As the world becomes increasingly interconnected, so do the risks we face. The COVID-19 pandemic has not stopped at national borders. It has affected people regardless of nationality, level of education, income or gender. But the same has not been true for its consequences, which have hit the most vulnerable hardest. Education is no exception. It plays a crucial role in an individual’s growth and contribution towards country’s welfare. The Pandemic had a profound impact on the lives of millions of students. It is estimated that Worldwide there are more than 1.2 billion students in 186 countries affected by school closures due to the pandemic. (UNESCO Institute of Statistical Data 2020). The sudden closure of schools resulted in shifting of usual classroom teaching to online teaching and learning. This resulted in an immediate increase in use of technology and adaptation to online modes of teaching and learning. Educational Institutions have shifted their classrooms to the virtual world. It has changed the face of traditional classrooms. The Ed tech sector has registered a massive growth during this period. It has resulted in schools and colleges as an evident that 1.2 billion children are undergoing online class during 2020. While school closures was necessary, it is important to take stock of its impact on students learning outcomes.

**(iii)Significance of the Study:** Students access to technology is the basis for the success of online teaching and learning. The onset of pandemic has created a range of challenges to the teachers, students and parents. The teachers’ experience with digital mode of teaching, students access to online learning technology and parental co-operation play a vital role in the learning outcome of these children during pandemic. This study focusses on the key issues faced by Students in online learning at the middle school level.

In the pre-pandemic period content heavy modules with lecture-based delivery was the dominant form of teaching in educational institutions and keeping students engaged through the learning process is an important endeavour. To adapt to changes in the patterns of engagement with learning, this prompted an alternative lecture teaching strategy. The pedagogical innovations tackle the problems with the way traditional lectures are delivered and have shown that students benefit from changes in teaching practice. Stuart & Rutherford 1978, Johnstone & Percival (1976) opined that retention of students attention is possible through one or two brief rests called focus break in their 50 minute lecture. Miller (1956) suggested humans have a limited amount of “working memory” to use when learning. From a cognitive load perspective, Bite-Sized lectures will help to better manage working memory than the traditional long hours of lectures (Clark et al. 2005).

Sweller (1999) expressed that if the content of the lecture is rich and the pace of presentation is fast, learners may not have enough time to engage in the deeper processes of organizing their thoughts. Although it might not be possible to simplify the presented material, it is possible to allow learners to digest intellectually one chunk of it before moving on to the next.

Wyer et al. (2004) in his research, found that clinical learners respond best to presentations of topics when they are offered “easily digestible bites” or mini-lessons, presented in tandem with clinical problem-solving. Ilse and Shankararaman (2004), found that mini-lectures followed by laboratory tasks are most successful in scenarios when there is a need to introduce completely new concepts or theories to students. The student is able to acquire new skills and abilities as the linkage of the underlying theories to the practical skill are explained in staggered. This finding highlights the possible effectiveness of better learning experiences by having mini lectures with focused activities related to each mini lecture. As existing studies on Bite-Sized teaching are qualitative and limited on the quantitative studies, the present study would assess the effectiveness of BiteSized lecture approach on the learning outcomes. Each short lecture is followed by a related tutorial and practical exercises with reference to various cognitive levels based on the Bloom’s taxonomy (Bloom et al. 1956).

**Bite-Sized Learning:** Bite-sized learning – also known as Microlearning – breaks down information into small, manageable chunks instead of subjecting students to long, uninterrupted sessions, but length is only one factor of what makes it up. All bite-sized learning modules are short, between 1 and 15 minutes. Thus, learning about a subject in bite-sized chunks keeps students more focussed and involved in the learning process.



Bite-Sized learning is increasingly popular as a form of training for students. Breaking down information into small nuggets can also serve as a refresher of half-forgotten concepts and skills that is easier to access than finding the exact point you need in a longer module, which is ideal if you need to solve an unforeseen problem quickly and cannot afford to waste time looking for the answer.

### **The Significance of Bite-Sized Learning:**

- ◆ Improves psychological engagement
- ◆ Takes full advantage of the learner's natural energy
- ◆ Improves memory
- ◆ Leads to better learning result
- ◆ Adapts to modern learning behavior
- ◆ Give learners higher senses of achievement

### **Advantages of Bite-Sized learning**

#### **To-the-Point Learning:**

Bite-sized learning is also known as micro-learning. Each nugget is around 3 to 5 minutes long.

#### **More in Tune with the Modern Pedagogical Practices:**

The millennial generation is spoilt for information. With so many distractions claiming attention, it becomes imperative to provide learning in small bite-sized packages which attention-challenged and time-challenged learners can consume and assimilate in a short time frame.

#### **Multisensory Learning Experience:**

Since bite-sized learning is very specific and focussed on providing very condensed information on a subject, multimedia elements are liberally used to reinforce the concepts.

#### **Reinforcing Learning:**

It is generally observed that people tend to forget 80% of what they have learnt over 30 days if that information is not revisited or put to use again and again. Bite-sized learning simplifies revisiting the concepts and thus is a great way to address the challenges of the forgetting curve.

### **Personalized Learning:**

Bite-sized learning nuggets are focused on answering specific queries, which helps them gain personalized learning experiences. This will create more interest in the learning, enabling students upgrade their skills.

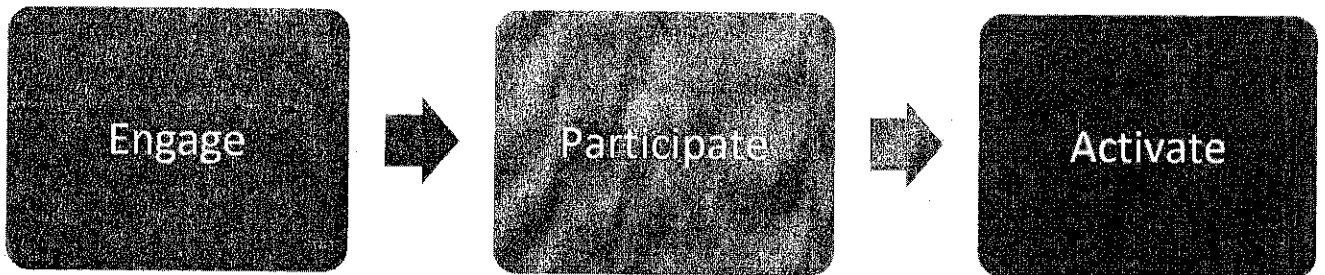
### **Empowering Learners:**

Bite-sized contents empower the learners to learn at their own pace and gain answers to their specific queries at the time when they want the answers or information.

### **Exploring New horizons:**

Mobile technology is very empowering as users can access loads of information. Bite-sized learning is very content-specific in that each nugget encapsulates very condensed information about a particular subject.

### **Phases of Bite-Sized Approach:**



**(iv) Scope of the Study:** As per the Performance Grading Report (2019-2020)- Union Ministry of Education - GOI, Tamil Nadu ranked third in School Education in India with a score of 906 points out of 1000 points among 37 States and Union Territories while Punjab (929) points and Chandigarh (912) points. In access to Education Tamil Nadu ranked 3<sup>rd</sup>. In Infrastructure facilities Tamil Nadu was placed 4<sup>th</sup> with a score of (142/150). As far as equity is concerned Tamil Nadu stood at 11<sup>th</sup> place with a score of (219/130). Though Tamil Nadu ranked third in School Education in India but lags in Learning Outcomes and Quality with a score of (132/180) and stood at 22<sup>nd</sup> Place and scored the lowest among the Southern States in Learning Outcomes and Quality.

### **Educational Indicators:**

Indicators	Primary	Upper Primary (Enrolment in Standard Eight)
GER	106.60	106.48
NER	99.90	99.30
Retention Rate	99.25	98.65
Drop Out Rate	0.75	1.35
Pupil Teacher Ratio	21.80	24.45

Source: School Education Department Policy Note 2020-21

**Learning Outcomes:** Good learning outcome emphasize the application and integration of knowledge. Instead of focussing on coverage of material learning outcome articulate how students will be able to employ both in the context of the class and more broadly.

### **The Learning Outcomes can be improved by the following techniques:**

- ✓ Restructuring teaching methods
- ✓ Assess students' learning
- ✓ The reversed learning model
- ✓ Say "yes" to technology
- ✓ Teaching outside the classroom
- ✓ Encourage Self Learning
- ✓ Regular Feedback
- ✓ Interactive Learning
- ✓ Engaging
- ✓ Personalized Guidance

### **(v)Objectives**

- To introduce Bite-Sized teaching module in Social Science for Middle School Students
- To evaluate the performance of the students through Pre and Post test on basic concepts
- To test the effectiveness of the bite sized learning modules on learning outcomes

**(vi) Methodology:** As the proposed study is of both descriptive and analytical in nature, it relies on primary and secondary data. Primary data will be generated through random sampling. Secondary data will be taken from the published sources, namely, educational statistics and reports of the agencies that had gone into this issue. The research tends to provide the contextual backdrop and will highlight the recent changes in School Education. The research will describe the state of School Education in Tamil Nadu during lockdown of schools. The research project would discuss the impact of covid 19 on the learning outcomes of school education with special focus on middle school children. The research would introduce Bite-Sized Learning Modules in Social Sciences and evaluate the learning outcome effectiveness. The findings of the study would be useful for policy decision making and helps to improvise the learning outcomes of the middle school students.

**(vii) Sample Selection:**

Blocks	Fully Aided Schools	Corporation Schools
George Town	07	07
Royapuram	10	11
Periamedu	07	13
Perambur	04	07
Purasaiwalkam	06	08
Triplicane	05	13
Egmore	05	16
T.Nagar	03	06
Adyar	09	04
Mylapore	07	07
Total	63	92

Source:SSA 2021

In Chennai there are 10 Blocks and there are 63 Middle Schools in Government Aided and 92 Corporation Middle Schools. Out of 155 Middle Schools, 500 Students would be selected for the study. A Pre-Test and Post-Test would be administered to evaluate the effectiveness of Bite-Sized Learning.

## 7. Financial Assistance required

<u>Item</u>	<u>Estimated Expenditure</u>
i. Books and Journals	Rs. 15,000.00
ii. Field Work and Travel	Rs. 40,000.00
iii. Audio Recording	Rs. 15,000.00
iii. Conveyance for Research Assistants	Rs. 40,000.00
iv. Contingency ( including special needs)	Rs. 30,000.00
v. Printing and Stationary	Rs. 60,000.00
Total:	Rs. 2,00,000.00

### To certify that:

- I shall abide by the rules governing the scheme in case assistance is provided to me .
- The above research Project is not funded by any other agency.

Principal Investigator

  
Dr. D.B. Usharani

Co-Investigators:

Dr. S. Malini  
Dr. G. Neelavathy  
Dr. G. Radhika  
Dr. Saradha A

