



CRITERIA-III

Research, Innovations and Extension

3.1.1: Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR Rs)

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Introduction:

During the assessment period , the college has received research grants for a stride project of the University Grants Commission (UGC) and five student projects from KSCSTE.

1. STRIDE Project.

STRIDE (Trans- disciplinary research for India's Developing Economy) support to research projects that are socially relevant, locally need-based, nationally important and globally significant. As per the order number F.2-23/2019 (STRIDE-1) dated 03/12/2019, the UGC had approved financial assistance of rupees 21.95 lakhs, (rupees Twenty –One lakh ninety-five thousand only) for the project entitled “**Adaptive Speech Recognition for Speech Defects in Malayalam Language**” as part of STRIDE project. Dr.Nobert Thomas Pallath (Associate professor, Dept of Electronics) is the PI of the project.

The importance of adaptive speech recognition for speech defects in the Malayalam language lies in its potential to enhance communication and accessibility for individuals with speech impairments. Speech defects can arise due to various reasons, such as neurological disorders, vocal cord damage, or developmental conditions. These individuals often face significant challenges in expressing themselves verbally, which can lead to social, educational, and professional limitations. It's worth mentioning that this project has been sanctioned in 18 colleges all over India, and WMO College is one among them.

2. Student Projects.

Another financial aid sanctioned is from **KSCSTE (The Kerala State Council for Science, Technology and Environment)** is an autonomous body under the ministry of S&T, Kerala, constituted in November 2002 to be an agency for change and development through science and technology. KSCSTE sanctioned an amount of Rs. 47,000 (Forty-Seven thousand) for four student projects in the assessment period, for the following project proposals

- | | |
|---|----------------|
| 1. Voice Controlled Smart home | dtd 07.01.2019 |
| 2. Smart Umbrella Dispenser | dtd 07.01.2019 |
| 3. Vehicle Security System | dtd 05.03.2018 |
| 4. Smart Agricultural system with automatic irrigation and intelligent electric fencing | dtd 30.10.2017 |
| 5. Smart Wheel Chairs | dtd 30.10.2017 |

Both STRIDE and KSCSTE sanction orders attached here with



डॉ. शकील अहमद
संयुक्त सचिव

Dr. Shakeel Ahmad
Joint Secretary



सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission

(मानव संसाधन विकास मंत्रालय, भारत सरकार)
(Ministry of Human Resource Development, Govt. of India)

बहादुर शाह जफर मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002

दूरभाष Phone : 011-23232055

ई-मेल E-mail : shakeelugc@nic.in

No. F.2-23/2019 (STRIDE-I)

03 DEC 2019

December, 2019

The Principal
WMO ARTS & SCIENCE College Muttill,
Muttill South, Kerala 673122

Subject: UGC Assistance for Component-1 (Research Capacity Building and Human Resource Development) under STRIDE - (Duration – 3 Years).


Sir/Madam,

1. This is with reference to the proposal submitted by WMO ARTS & SCIENCE College Muttilla support for Component-1 (Research Capacity Building and Human Resource Development) under Scheme for Trans-disciplinary Research for India's Developing Economy (STRIDE) of the University Grants Commission (UGC).

2. On the basis of the recommendations of the Expert Committee at its Interface Meeting held on 26th November, 2019, I am directed to convey approval of the UGC for the proposal submitted by the College under Component-1 (Research Capacity Building and Human Resource Development) under the STRIDE (duration of 3 years from the date of receipt of first instalment) with the following identified approaches:

- Curriculum
- Critical Thinking
- Faculty Resources
- Collaborations and Partnership
- Criteria of Selection
- Training Strategies
- Training Methods
- Innovations
- Implementation Process (time-frame)

The Coordinator of the Project shall be responsible for implementation of the Project as per the identified approaches under the overall supervision of the Principal. He/she may continue till the end of the project or till his/her superannuation.


Principal
W.M.O. Arts & Science College
Muttill P.O., Wayanad-673122



3. The financial assistance approved for implementing the present project for a duration of 3 years is given below :-

S. No.	Non-Recurring (Items)	Rs. (In Lakh)
1.	Equipments:	6.0
2.	Upgradation/augmentation extension of existing laboratory for housing and installation of new equipment including air-conditioning	-
	TOTAL	6.0
S. No.	Recurring(Items)	
1.	Core Assistance (Participant Cost and Hiring Services)	-
2.	Human Resources (Subject Experts) Cost	15.0
3.	Contingencies (Utilities, Stationary and Miscellaneous)	0.35
4.	Travel (Domestic and International)	0.60
	TOTAL	15.95
	Grand Total(NR+R)	21.95

Amount in words: Rupees Twenty One Lakh and Ninety Five Thousand only.

4. The College is requested to take immediate steps to submit the following documents for necessary action:
- Acceptance of the terms and conditions of the grants duly signed by the Principal of the College.
 - Name of the competent College Officer with full address and other bank details in (mandate form) the prescribed enclosed proforma so that the fund can be transferred electronically.
 - A Certificate from the Principal of the College that it is eligible to receive the UGC financial assistance.
5. The first installment of admissible grant will be released only on the receipt of requisite documents requested vide para 4 by return of post.
6. The College is required to maintain a separate flexi saving bank account for the grants released for Component-1 (Research Capacity Building and Human Resource Development) under STRIDE. Interest earned against Grant-in-aid (other than reimbursement) released to any grantee institution should be mandatory remitted to the UGC account immediately after finalization of account. Any interest earned out of Grant-in-aid should not be allowed as additional funds over and above the allocation.
7. The College shall constitute immediately a Mentoring and Monitoring Committee (MMC) as per the STRIDE guidelines which can be downloaded from UGC's website ww.ugc.ac.in and follow the terms of reference of the Mentoring and Monitoring Committee (MMC) to ensure effective implementation and monitoring of the Project.

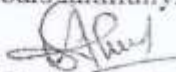

Principal
W.M.O. Arts & Science College
Muttill P.O., Wayanad-673122



The task of purchasing of equipments and upgradation/augmentation/extensions of existing laboratory for housing and installation of new equipment including air-conditioning, if any, should be completed within a year from the date of receipt of the grant by the College. It may be noted that if it is not done within a year from the date of receipt of the grant by the College, the approval shall be considered as lapsed.

9. No request for any change in the effective date of the implementation of the Project will be considered.
10. The second/subsequent installment of grant for any approved items will be considered and sanctioned only on the receipt of the year-wise & item-wise Utilization Certificate along with annual progress report for the earlier installment in the prescribed form duly signed by the Registrar/Principal/Finance Officer as the case may be.
11. The annual progress report shall be submitted as per the Guidelines of STRIDE.
12. The College shall include all existing conditions also communicated from time to time by UGC in the Utilization Certificate, in respect of any financial assistance or grants-in-aid to any institution under any of the general or special schemes of the UGC.
13. The College shall take all possible measures to ensure effective implementation of policies and general financial rules of Government of India.
14. This approval is subject to the fulfillment of condition of inclusion of the College under section 2(f) and 12(B) of UGC Act, 1956 or any policy decision in this regard.
15. The College shall strictly follow the STRIDE Guidelines posted on UGC website.
16. The Project will be withdrawn at any point of time if it is found that the institution is ineligible or grant is not utilized for the purpose which it has been sanctioned or UGC rules have not been followed for utilizing the grant.

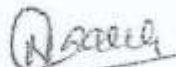
Yours faithfully,




(Dr. Shakeel Ahmad)
Joint Secretary (STRIDE)

Copy to:

1. The Coordinator of the Project, WMO ARTS & SCIENCE College Muttil, Muttil South, Kerala 673122
2. The Registrar, Calicut University, Mallapuram, Kerala.
3. The Secretary (Higher Education), Thiruvananthapuram, Kerala.
4. The Joint Secretary (Regional Office), Bengaluru - 560009, Karnataka.
5. Guard File.



(Nirmal Kaur)
Under Secretary



Principal
W.M.O. Arts & Science College
Muttil P.O., Wayanad-673122





UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI - 110002

No.F.2-23/2019(STRIDE-I)

January, 2020

21 JAN 2020

The Principal

WMO Arts & Science College,
Muttill South, Kerala- 673 122

Subject: Approval of grant-in-aid under Recurring & Non-recurring Head for the year 2019-20 under STRIDE, Component-I (Research Capacity Building and Human Resource Development).

Sir/Madam,

I am directed to convey the approval of the University Grants Commission for sanction of an amount of **Rs.10,97,500/- (Rupees Ten Lakh Ninety Seven Thousand Five Hundred only)**, **Rs.7,97,500/- for Recurring grant & Rs.3,00,000/- for Non-recurring** during the year 2019-20.

Recurring Grant:

Components	By RTGS (in Rs.)
General (76%)	6,06,100/-
SC (16%)	1,27,600/- ✓
ST (8%)	63,800/- ✓
Total	7,97,500/-

Non-recurring Grant:

Components	By RTGS (in Rs.)
General (76%)	2,28,000/- ✓
SC (16%)	48,000/- ✓
ST (8%)	24,000/- ✓
Total	3,00,000/-

The university/department may also utilize the above grant as per allocation already conveyed vide this office letter of even no. dated 03.12.2019.

Yours faithfully,

(Nirmal Kaur)
Under Secretary

Copy to:
The Project Co-ordinator (STRIDE)
WMO Arts & Science College,
Muttill South, Kerala- 673 122



(Signature)
Principal
W.M.O. Arts & Science College
Muttill P.O., Wayanad-673122

(Signature)
(Sunita Khanna)
Section Officer

140
5/3/2022

5/3/2022



UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI - 110002

No.F.2-23/2019(STRIDE-I)

February, 2022

17 FEB 2022

✓ The Principal

WMO Arts & Science College,
Muttil South, Kerala- 673 122

Subject: Approval of grant-in-aid under Recurring & Non-recurring Head for the year **2021-22** under STRIDE, Component-I (Research Capacity Building and Human Resource Development).

Sir/Madam,

I am directed to convey the approval of the University Grants Commission for sanction of an amount of **Rs.10,97,500/- (Rupees Ten Lakh Ninety Seven Thousand Five Hundred only)**, **Rs.7,97,500/- for Recurring grant & Rs.3,00,000/- for Non-recurring** during the year **2021-22**.

Recurring Grant:

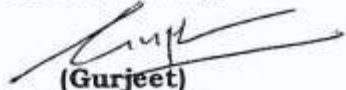
Components	By RTGS (in Rs.)
General (76%)	6,06,100/-
SC (16%)	1,27,600/-
ST (8%)	63,800/-
Total	7,97,500/-

Non-recurring Grant:


Components	By RTGS (in Rs.)
General (76%)	2,28,000/-
SC (16%)	48,000/-
ST (8%)	24,000/-
Total	3,00,000/-

The university/department may also utilize the above grant as per allocation already conveyed vide this office letter of even no. dated 03.12.2019.

Yours faithfully,


(Gurjeet)
Under Secretary




Principal
W.M.O. Arts & Science College
Muttil P.O., Wayanad-673 122



Kerala State Council for Science, Technology and Environment

Dr. Anilkumar C
Principal Scientist & Head
Science Education Division

07.01.2019

154/SPYTiS-II /2018/KSCSTE

Dear Mr. Siby Joseph,

Sub:- Financial assistance from KSCSTE for SPYTiS project reg.
Ref:- Your application received under SPYTiS Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled 'Voice controlled smart home' submitted by Mr. Siby Joseph as PI and Mr. Abhjith S, Mr. Anand Krishna A, Mr. Jolbin V Sebastian, Mr. Shebin Sinan, Mr. Abdul Raheem P P as student investigator(s) has been approved. An amount of Rs.10000/- is sanctioned by the Council. The budget estimate of the project will be as detailed below.

The PI has to submit the signed 'Terms and Conditions' and the date of start of the project to the Council within two weeks. On completion of the project you should submit one hard copy and a soft copy of the final report (in pdf to sed_spytis@gmail.com), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format to submit final report, SE, UC and bank account details of Head of the Institution can be downloaded from www.kscste.kerala.gov.in

Thanking you,

Yours sincerely,

Anilkumar C

To,

Mr. Siby Joseph, Department of Electronics, WMO Arts and Science College, Muttill, Wayanad- 673122

Copy to:

The Principal, WMO Arts and Science College, Muttill, Wayanad- 673122

Mr. Abhjith S, Mr. Anand Krishna A, Mr. Jolbin V Sebastian, Mr. Shebin Sinan, Mr. Abdul Raheem P P, Student (s), WMO Arts and Science College, Muttill, Wayanad- 673122



Principal
W.M.O. Arts & Science College
Muttill P.O., Wayanad 673122



Kerala State Council for Science, Technology and Environment

Dr. Anilkumar C
Principal Scientist & Head
Science Education Division

07.01.2019

153/SPYTIS-II/2018/KSCSTE

Dear Mr. Abdul Rasheed,

Sub:- Financial assistance from KSCSTE for SPYTIS project. eg.
Ref:- Your application received under SPYTIS Project scheme.

This is to invite your attention to the reference cited and to inform that the project proposal titled 'Smart umbrella dispenser' submitted by Mr. Abdul Rasheed as PI and Ms. Devika Thambi, Mr. Firos Khan, Ms. Jaseena T R, Mr. Navaneeth Sri Vishakh M J as student investigator(s) has been approved. An amount of Rs.10000/- is sanctioned by the Council. The budget estimate of the project will be as detailed below.

The PI has to submit the signed 'Terms and Conditions' and the date of start of the project to the Council within two weeks. On completion of the project you should submit one hard copy and a soft copy of the final report (in pdf to sed.spytis@gmail.com), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format to submit final report, SF, UC and bank account details of Head of the Institution can be downloaded from www.kscste.kerala.gov.in

Thanking you,

Yours sincerely,

Anilkumar C

To,

Mr. Abdul Rasheed, Department of Electronics, WMO Arts and Science College, Muttill, Wayanad-673122

Copy to:

The Principal, WMO Arts and Science College, Muttill, Wayanad-673122

Ms. Devika Thambi, Mr. Firos Khan, Ms. Jaseena T R, Mr. Navaneeth Sri Vishakh M J, Student (s), WMO Arts and Science College, Muttill, Wayanad-673122

Principal
W.M.O. Arts & Science College
Muttill P.O., Wayanad-673122



KERALA STATE COUNCIL FOR SCIENCE, TECHNOLOGY AND ENVIRONMENT
An Autonomous body of the Government of Kerala

KSCSTE - SPYTIS Project - 2017-'18- release of financial assistance - Sanctioned - Orders issued
Council (P) Order No1445/2017/KSCSTE Thiruvananthapuram, Dated: 05.03.2018

- Ref: (1) SPYTIS application submitted Mr. Siby Joseph, Associate Professor & HoD WMO Arts and Science College, Muttill, Wayanad- 673122
(2) Minutes of the Project Evaluation Committee meeting for SPYTIS-2017-'18
(3) 292/SPYTIS-II/2017/KSCSTE

ORDER

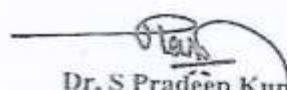
Kerala State Council for Science, Technology and Environment (KSCSTE) is operating a programme titled-"Scheme for Promoting Young Talents in Science (SPYTIS)"-to nurture young talents among school and college students to carry out science projects. Under this category, a project titled "Vehicle security system" was submitted by Mr.Siby Joseph, Associate Professor & HoD as the teacher supervisor and Mr. Abhinand K, Mr. Arjun Prakash, Mr. Eldho Biju, Mr. Sudheesh Menon K C, Mr. Nikhil P B as student investigator(s). The Project Evaluation Committee for SPYTIS-2017-'18 during the meeting held on September 23, 2017 approved the project and recommended ₹9000/- towards financial assistance to conduct the project.

The teacher investigator has submitted the signed terms and condition and hence KSCSTE is pleased to accord sanction to release the approved amount of ₹9000/- (Rupees nine thousand only) in favour of The Principal, WMO Arts and Science College, Muttill, Wayanad- 673122 by means of Electronic fund transfer as per the bank details given below:

Beneficiary Account Name	The Principal, WMO Arts and Science College, Muttill
Beneficiary Account Number(SB/CC)	57068210984
Beneficiary IFSC code	SBIN0070192
Name of bank	SBI, Kalpetta
Beneficiary Address & Phone No: Mr.Siby Joseph- 9447431558	The Principal, WMO Arts and Science College, Muttill, Wayanad- 673122

The expenditure in this regard will be met from the Council Budget under the Head of Account (III) Schemes and Programmes of KSCSTE- "Scheme for Promoting Young Talents in Science (SPYTIS)".

The teacher supervisor should submit the final technical report, utilization certificate and statement of expenditure duly signed by the Head of the Institution within one month of completion of the project.


Dr. S Pradeep Kumar
DIRECTOR, KSCSTE

To

The Principal, WMO Arts and Science College, Muttill, Wayanad- 673122

Copy to:

Mr.Siby Joseph, Associate Professor & HoD, WMO Arts and Science College, Muttill, Wayanad- 673122

Mr. Abhinand K, Mr. Arjun Prakash, Mr. Eldho Biju, Mr. Sudheesh Menon K C, Mr. Nikhil P.B Student(s), WMO Arts and Science College, Muttill, Wayanad- 673122

The Cash Section, Auditors file, Stock File Office Copy.



Received change - 9000/-

20/03/2018

Eldho Biju


Principal
W.M.O. Arts & Science College
Muttill P.O., Wayanad-673122



Kerala State Council for Science, Technology and Environment

Dr. Anilkumar C
Principal Scientist & Head
Science Education Division

30.10.2017

Letter No 238 SPYTiS-II/2017/KSCSTE

Dear Sir/ Madam,

Sub - Your project entitled "Smart agricultural system with automatic irrigation and intelligent electric fencing (SAIF)" - Sanctioning the project-reg.
Ref - Decision of the Project Evaluation Committee of SPYTiS I held on 23/9/2017

This is to invite your attention to the reference cited and to inform that the project proposal entitled "Smart agricultural system with automatic irrigation and intelligent electric fencing (SAIF)" submitted by Mr. Abdul Rasheed, Assistant Professor, Electronics, WMO Arts and Science College, Muttill, Wayanad- 673122 as PI and Ms. Amrutha H S, Ms. Haritha C G, Ms. Archana K B as student investigator(s) has been approved. An amount of ₹9000/- (Rupees nine thousand only) is sanctioned by the Council.

The maximum number of student investigators for a single project should not exceed five and the time frame for completion of projects under SPYTiS I will be three months. The Principal Investigator (PI) has to submit the following documents to the undersigned at the earliest for the issuance of the formal sanction order.

1. Official Bank Account details of the Institution, a copy of terms and conditions duly signed by the PI and counter signed by the Head of the Institution. The format for terms and condition & bank account details can be downloaded from www.kscste.kerala.gov.in
2. The date of start of the project shall be intimated to the Council.

Thanking You,

Yours sincerely,

Anilkumar C

To.

Mr. Abdul Rasheed, Assistant Professor, WMO Arts and Science College, Muttill, Wayanad- 673122

Copy to:

The Principal, WMO Arts and Science College, Muttill, Wayanad- 673122
Principal
W.M.O. Arts & Science College
Muttill P.O., Wayanad-673122
Ms. Amrutha H S, Ms. Haritha C G, Ms. Archana K B, WMO Arts and Science College,
Muttill, Wayanad- 673122

Sasthra Bhayan, Pattom P.O., Thiruvananthapuram - 695 004, Kerala State, India
Tel: 2548200-09, EVP - 2543557, 2548222, MS - 2534605, 2548220, CoA - 2543556, 2548248
Fax: 0471 - 2540085, 2534605 e-mail : kscste@gmail.com, www.kscste.kerala.gov.in



Kerala State Council for Science, Technology and Environment

Dr. Anilkumar C
Principal Scientist & Head
Science Education Division

30.10.2017

Letter No.294/SPYTiS-II/2017/KSCSTE

Dear Sir/ Madam,

Sub:- Your project entitled "**Smart wheel chair**"- Sanctioning the project-reg.
Ref:- Decision of the Project Evaluation Committee of SPYTiS I held on 23.9.2017

This is to invite your attention to the reference cited and to inform that the project proposal entitled "**Smart wheel chair**" submitted by Mr. Hasanul Benna, WMO Arts and Science College, Muttill, Wayanad- 673122 as PI and Mr. Muhammed Razi K M, Mr. Renjith K, Mr. Muhammed Riyas C M, Mr. Amir Suhail K H as student investigator(s) has been approved. An amount of ₹9000/- (Rupees nine thousand only) is sanctioned by the Council.

The maximum number of student investigators for a single project should not exceed five and the time frame for completion of projects under SPYTiS I will be three months. The Principal Investigator (PI) has to submit the following documents to the undersigned at the earliest for the issuance of the formal sanction order.

1. **Official Bank Account details of the Institution**, a copy of terms and conditions duly signed by the PI and counter signed by the Head of the Institution. The format for terms and condition & bank account details can be downloaded from www.kscste.kerala.gov.in
2. The date of start of the project shall be intimated to the Council.

Thanking You.

Yours sincerely,

Anilkumar C

To,

✓ Mr. Hasanul Benna, WMO Arts and Science College, Muttill, Wayanad- 673122

Copy to:

The Principal, WMO Arts and Science College, Muttill, Wayanad- 673122

Mr. Muhammed Razi K M, Mr. Renjith K, Mr. Muhammed Riyas C M, Mr. Amir Suhail K H, WMO Arts and Science College, Muttill, Wayanad- 673122



Principal

W.M.O. Arts & Science College
Muttill P.O., Wayanad- 673122

Sasthra Bhavan, Pattom P.O., Thiruvananthapuram - 695 004, Kerala State, India

Tel: 0471 - 2540200-09, EVP - 2543557, 2548222, MS - 2534605, 2548220, CoA - 2543556, 2548248

Fax : 0471 - 2540085, 2534605 e-mail : kscste@gmail.com, www.kscste.kerala.gov.in