



Government College of Technology, Coimbatore-641013

(An Autonomous Institution affiliated to Anna University, Chennai)

SELF-STUDY REPORT

CRITERION 3

Research, Innovations and Extension

Key Indicator: 3.2 Resource Mobilization for Research

3.2.1 Total Grants research funding received by the institution and its faculties through Government and non-government sources such as industry, corporate houses, international bodies for research project, endowment research chairs during the last five years (INR in Lakhs)

DECLARATION

This is to certify that the supporting documents uploaded in Institution website and the respective links are true to the best of my knowledge and belief. All the documents and links are verified and authenticated.

HEAD OF THE INSTITUTION

(Seal and sign of Principal)

Principal

**Government College of Technology
Coimbatore -641 013.**



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Coimbatore -641 013.



GOVERNMENT COLLEGE OF TECHNOLOGY
(An Autonomous Institution Affiliated To Anna University, Chennai)
Thadagam Road, Coimbatore - 641 013.

Phone : 0422 - 2432221
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E-mail : gctcbe@gct.ac.in

Date :

01.07.2019

Dr.P.Thamarai, Ph.D.
Principal

TO

Prof.Dileep N. Malkhede,
Adviser-I /Research, Institutional and
Faculty Development (RIFD) Bureau,
All India Council of Technical Education,
Nelson Mandela Marg, Vasant Kunj,
New Delhi -110070.

Respected Sir,

Sub: Requisition of change in Project Co-ordinator for MODROB
Project – reg.

Ref: File No. 9-20/RIFD/MODROB/Policy-1/2017-18

With respect to the reference cited above, the MODROBS have been sanctioned for Modernization of Embedded System Laboratory for IOT Applications. The Project Co-ordinator was Dr.S.Kothainachiar working as an Associate Professor in ECE Department of same institution, at the time of applying MODROBS. She has been promoted and transferred to Govt. College of Engineering, Dharmapuri, Tamilnadu and currently she is working there. Hence I, Dr.O.Saraniya, currently being an Associate Professor (CAS) and HOD In-charge of ECE Department at Govt. College of Technology, Coimbatore, Tamilnadu will undertake the role of Project Co-ordinator for the above mentioned MODROBS project.

Kindly do the necessary actions in this regard.

P. Thamarai
PRINCIPAL 1/7/19

Principal
Government College of Technology
Coimbatore -641 013.

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



MODROBS - Sanction Letter

To
The Drawing and Disbursing Officer,
All India Council for Technical Education,
Nelson Mandela Marg,
Vasant Kunj,
New Delhi - 110070

Subj: Release of a sum of Rs. Seven Lakh Fifty Seven Thousand/- being the Grant-in-Aid under Modernization and Removal of Obsolescence Scheme (MODROB) for the year 2017-18 payable during the current financial year 2018-19-reg.

Sir,

This is to convey the sanction of the Council for payment of Rs. 757000/- (Rupees Seven Lakh Fifty Seven Thousand Only) as 1st installment / final payment out of the total approved grant-in-aid of Rs. 757000 for completion of MODROB on MODERNIZATION OF EMBEDDED SYSTEM LABORATORY FOR IoT APPLICATIONS in GOVERNMENT COLLEGE OF TECHNOLOGY COIMBATORE Pin No - 641013 Tamil Nadu, under the Scheme Modernization and Removal of Obsolescence Scheme (MODROB).

1. The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the Institute through RTGS.
2. This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.
3. The sanctioned amount is debitible to the Major Head 601.4(a) Gen. of the Scheme of Modernization and Removal of Obsolescence Scheme (MODROB) and is valid for payment during the financial year 2018-19.

The instructions/guidelines to be followed by University/Institution

i. Release of funds and maintenance of accounts

- a. The Principal of the institute and the Coordinator of the project are requested to verify the correctness of the under mentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAALG6830C	STATE BANK OF INDIA	GOVERNMENT COLLEGE OF TECHNOLOGY	THADAGAM ROAD, COIMBATORE-641013	PRINCIPAL	Current Account	36257056806	SBIN0010432

In case of any omission the same should be reported to AICTE immediately.

- b. The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No. F. No. 4-20/RIFD/MODROB/Policy-1/2017-18 dated _____ issued by this office. All correspondences related to the project must contain this number along with year of sanction of the project, failing which correspondence will not be entertained.
- c. Funds covered by this grant shall be kept separately and would not be mixed up with other funds.
- d. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure. (list enclosed).
- e. Any change in the equipments recommended/sanctioned shall not be acceptable in any circumstances

- f. Any expenditure above the sanctioned amount of grant is to be incurred from Institute's own funds.
- g. The institute/University shall not charge any overheads on this project and will provide all the administrative support for completion of the project.
- h. The accounts of the institute will be open for test check by the Council or Controller & Auditor General of India or any other officer designated by them.

II. Disbursement of funds to institutions

- a. The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal / Director / Registrar shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior to the issuance of the approval letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project work within one month of the receipt of the grant, the approval shall ipso facto lapse.
- b. After receipt of the grant from AICTE, the Institute shall send a confirmation to AICTE within 2 months of receipt of grant that the sanctioned project has been started/is in progress.
- c. 100% grant of the sanctioned amount will be released to Government/Govt. Aided institutions. Utilization Certificate (UC) and other requisite documents are to be submitted within one month of the completion of the project.
- d. To self financed/Pvt. Institutions 80% of the sanctioned amount will be released as first installment followed by 20% as reimbursement after receipt of UC and other requisite documents as specified in terms & Conditions of MODROB Scheme.

III. Submission of documents by university/institution

- a. The following mandatory relevant documents are required to be submitted by the university/institution within one month of the completion of the program :-
 - (i) The **Annual Progress Report (APR)** in the prescribed format along with Statement of Expenditure and Audited Utilization Certificate shall be submitted to AICTE not later than one month after completion.
 - (ii) The **Utilization Certificate (UC)** supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the AICTE immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address.
 - (iii) **Project Completion Report (PCR)** in the prescribed format along with the copies of invoice/bills for the equipments purchased and copy of stock entry register where entry of the equipments have made duly verified. Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council. Photocopies of formats are enclosed.
- b. A complete Status Report of the project indicating the activities undertaken, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.
- c. The balance amount of the grant will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of the beneficiary institution.
- d. The university/institution is expected to submit the above said mandatory documents viz. Utilization certificate, Expenditure Statement and completion certificate etc. within one month of completion of MODROB project. However, delay of further 2 months may be condoned by AICTE in special circumstances as explained by the institute. Delay in submission of documents after three months of the completion of the MODROB Project shall invite a penalty of 10% of the total sanctioned amount of the MODROB Project, to be deducted from the balance amount of 2nd installment. The entire amount of grant already released, along with interest accrued thereon shall be refunded to AICTE if mandatory documents are not submitted by the institute beyond one year.
- e. **Program Evaluation Committee (PEC)** is required to be constituted at Institutional level. The constitution of the PEC shall be as under:
 - (i) Principal/Director/Registrar of the Institution (Chairperson)
 - (ii) Coordinator of the project (Member Secretary),
 - (iii) Two HODs and one subject expert (Members).

The members of the said PEC shall not be below the rank of Associate Professor. The minutes of the meetings are to be submitted to the Council at end of the project along with other mandatory documents.

IV. General Instructions

- a. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or AICTE shall adjust the same in the next installment of grant before its release.
- b. The duration of the project is for two years from the date of release of grant. It may be ensured that the project is completed within the stipulated time. If the project is not completed in time no further extension will be granted in any case and institute has to refund the entire amount to AICTE. The request for reimbursement of 20% of remaining amount in case of private institution shall be made with UC and other related documents in such a way that the entire project is completed in the prescribed period of two years.
- c. If project is not started within six months of the issuance of this Offer Letter, the released amount, along with interest accrued thereon, has to be returned to AICTE, by way of a demand draft in favour of Member Secretary, AICTE, New Delhi.
- d. Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODROB project would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No. 2-2DRFD/MODROB/Policy-1/2017-18 in your future correspondence.
- e. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the Grant-in-Aid and a register of assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
- f. The University / Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of the Lab/Department, which has been modernized using the grant. All the equipment procured through the project should be super scribed with AICTE project file number.
- g. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education and should at any time the institution cease to function, such assets shall revert to the All India Council for Technical Education.
- h. Govt GFR rules should be followed during utilization of grant. URL address <http://doe.gov.in/orders-circular/GFR>.

V. List of Equipments approved :

S.No.	Name of Equipment
1.	IAR Embedded Workbench for ARM – Single User [EWARM-MB-EDU] ✓
2.	Intel dual Socket Server System
3.	Broadcom BCM2837 Professor Based Gateway
4.	Ti AM335x Processor Based Gateway.
5.	ZigBee Sensor Node ✓
6.	JTAG Debugger for ZigBee RF Card ✓
7.	Bluetooth Sensor Node ✓
8.	WiFi Sensor Node
9.	Sensor Modules The combination of several Sensors under one solution is called sensor fusion, the best way of achieve high-precision results.
10.	Siemens IOT 2020 Educational Intelligent Gateway
11.	Simens IOT 2040 Industrial Gateway.

Yours sincerely,

(Dileep N. Maikhede)
Advisor-I (RIFD)

Copy forwarded for information and necessary action to:

1. **Name and Address of the Coordinator**
Dr. KOTHAINACHIAR S
GOVERNMENT COLLEGE OF TECHNOLOGY
THADAGAM ROAD
COIMBATORE COIMBATORE
- 641013

2. **The Registrar / Director / Principal**
ESTHER ANN LIN KALA JAMES
GOVERNMENT COLLEGE OF TECHNOLOGY
THADAGAM ROAD
COIMBATORE COIMBATORE
- 641013

3. **Guard File**

AQIS Application Id: 1-3569369110