

**SPONSORED RESEARCH  
PROJECTS & GRANTS**

S.No.	Name of the Faculty	Title of the Project	Financial Assistance	Funding agency	Academic year Granted
1	Dr. V.V.Sathywanarayana	Advanced Mechanical Properties Facility In Mechanics Of Solids Laboratory	1059000	AICTE- MODROBS	2017-18
2	Dr P. Venugopal Reddy Dr. G Steeram Reddy	Investigation of Nano Crystalline Bismuth Ferrite For Possible Shape Memory And Reconfigured Antenna Applications	506500	DRDO	2018-19
3	Dr . L. Madan Anand Kumar	Performance Evaluation of a biodiesel in a variable compression ratio diesel engine	1039000	AICTE- MODROBS	2018-19
4	Dr. G. Steeram Reddy	A Systematic Study On Characterization Of Rare Earth Doped Nano Magnetic Ceramics Synthesized By Sol-Gel Method	300000	TEQIP-III. JNTUH	2019-20
5	Dr.G.Steeram Reddy	Upgradation of CAD/CAM Lab for Reverse Engineering Building of Freeform Surfaces	1196078	AICTE- MODROBS	2019-20
6	Dr . L. Madan Anand Kumar	National Conference on Adventurous Materials and Advanced Manufacturing (NAMAM)	181700	AICTE-GoC	2020-21

HBD

Please use Go Back button in place of browser's Back button

Last Login: 10/1/2022 10:31 AM

Welcome Dr. SREERAM REDDY  
You are logged in as: Principal Investigator

### Submitted Projects Section

#### Projects Under Consideration (1)

SNO	PROJECT TITLE [FILE NO]	SUBMIT DATE	PROJECT STATUS	ACTION
1	Development of Magnetic Nanocomposite materials of Mu-metal Nickel-Iron-Co... [TPN / 73224]	15/10/2021	Under Processing	View & Print Proposal View Uploaded Documents View Reviewers Comments

#### Projects Send Back By Division For Resubmission (0)

#### Ongoing Projects (0)

#### Project Needs Revision (0)

**Project Title:** Development of Magnetic Nanocomposite materials of Mu-metal (Nickel-Iron-Copper – Chromium /Molybdenum) with Different Morphologies and Characteristics for Broad Range of Potential Applications

**Duration :** 2 Years

**Total cost :** Rs. 4957200/-

**Principal Investigator :** Dr.G.Sriram Reddy

**Co- Principal Investigator :** Dr.B.V.Reddi

**Major Objective:**

1. Production of Mu –metal (Ni-Fe-Cu-Cr / nano composites, produced by Chemical precipitation and Reduction processes.
2. Characterization of these nano materials for their electrical and magnetic properties
3. Evaluation of these materials for protection from electromagnetic radiation.

**Definition of the Problem:**

Till today we have not come across any research paper /report on nano composite structures of mu-metal (Ni-Fe-Cu-Cr/Mo) and its thermal and magnetic properties, which are relevant to assess whether such nano materials could be utilized for shielding electromagnetic radiation. Therefore, it is proposed to produce these materials in sufficient quantities, using a simple and facile technique- chemical precipitation as a bottom- up approach, followed by hydrogen reduction process at different temperatures. These nano materials will be studied with different probing tools for their thermal and magnetic properties and assessed their suitability to shield more intensive electromagnetic radiation.

**Specific Work Plan:**

1. For the preparation of Mu-metal , nitrates of nickel , iron, copper , chromium and molybdenum will be utilized to make nanocomposite with the composition of 77% nickel, 16% iron, 5% copper, and 2% chromium or molybdenum(by wt%).
2. These compositions are thoroughly mixed with alkali ( NaOH) in a electric mixer with pH value monitoring at different temperatures from room temperature to 100 °C and recording the chemical reactions and formation of metal hydroxides, which will be subjected to centrifugation ( washing ).
3. After washing, metal hydroxides will be dried in a drying chamber at approximately 40 -50 °C for a number of hours.
4. Such dried-up hydroxide powders are heated at different temperatures, 300 to 500C in a tube furnace in the presence of purified hydrogen gas flow.
5. Passivation of these hydrogen-reduced samples is carried out in purified nitrogen atmosphere
6. XRD analysis for identification of chemical composition and phase identification will be systematically carried out at every stage after drying operation. XRD patterns of



technology, including radio, antennas, cell phones, Global Positioning System (GPS), Bluetooth (a wireless standard for exchanging data between mobile and fixed devices over short distances), Wi-Fi wireless networking technologies and microwave devices. Electromagnetic interference (EMI) shielding refers to the shielding of radio wave or microwave radiation so that the radiation essentially cannot penetrate the shield, which serves as a radiation barrier. EMI shielding is to be distinguished from magnetic shielding. Magnetic shielding refers to the shielding of magnetic field and typically involves low frequencies, such as 60 Hz

Therefore, it is essential to safe guard ourselves and devices from electromagnetic interference (EMI) with a radiation shield. Materials for EMI shielding are closely related to materials for electromagnetic pulse (EMP) shielding. EMP refers to a short burst of electromagnetic energy, as in lightning strikes and nuclear explosions. Highly conductive materials that are typical of EMI shielding materials are also relevant to antennas. With the passage of time, various types of devices are increasingly becoming abundant, which convincingly demand shielding materials that are increasingly needed for both radiation sources and electronics. As it compels us to escape from radiation and protect devices from malfunctioning, at the coal face, research has identified some useful materials in the form of metals, carbons, ceramics, cement-based materials and polymers.

Shielding involves mainly absorption and reflection of the radiation. The reflection mechanism results in radiation bouncing off from the shielding material. The reflected radiation may be undesirable to the environment, particularly to the people present. Therefore, from the safety viewpoint, the absorption mechanism is preferred for shielding. For low observability (Stealth), reflection is also not desired, if the reflected radiation reaches the radar and hence becomes detected.

Aluminum(Al), copper(Cu) and nickel( Ni) metals and alloys of iron(Fe) (mild steel and ferritic stainless steel ) and nickel (Mu- metal and permalloy are used to shield radiation. Though Al and Cu are good thermal conductors , they are not magnetic and their relative permeability is one at 1 kHz. Therefore their use is limited . On the other hand, iron and nickel metals are magnetic with less conductivity ( 5 to 10 % of Al and Cu ) and are used for shielding sensitive electronic equipment against static or low-frequency magnetic fields. Permalloy (a nickel-iron alloy with about 80 wt% Ni and 20 wt% Fe, and relative permeability 20,000 at 1 kHz), and stainless steel (No. 430, ferritic, with relative permeability 500). However, these alloys are heavy, due to their high densities. As mentioned earlier, nickel is magnetic and its relative permeability (100) is low. Another alloy of nickel is Mu-metal(Ni-Fe-Cu-Cr-Mo/Si) and typically has relative permeability values of 80,000-100,000 . It is a "soft" ferromagnetic material and has low magnetic anisotropy and magnetostriction, giving it a low coercivity so that it saturates at low magnetic fields.

## **Review of Status of Research:**

### **International:**



PROCEEDING OF THE  
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by Govt. Act No. 30 of 2008)

Kukatpally, Hyderabad – 500 085, Telangana (India)

PRESENT Dr. N. YADAVIAH REGISTRAR

Procs No.JNTUH/TEQIP-III/CRS/2019/MECH/02

Date:22/07/2019

Subject: Award of the project titled “A Systematic Study on Characterization of Rare Earth Doped Nano Magnetic Ceramics Synthesized by Sol-Gel Method” under Collaborative Research Scheme, TEQIP-III, JNTUH.

Read: Note order of the Vice-Chancellor dated 22.07.2019

\*\*\*

ORDERS:

The project titled “A Systematic Study on Characterization of Rare Earth Doped Nano Magnetic Ceramics Synthesized by Sol-Gel Method” is awarded with sanctioned amount of Rs.3,00,000/- (Rupees Three Lakh Only) under Collaborative Research Scheme, TEQIP-III, JNTUH to the following investigators.

1. Principal Investigator : **Dr. G.Sreeram Reddy**  
Department Name : Mechanical Engineering  
Institute Name : Vidya Jyothi Institute of Technology
2. Co-Principal Investigator-1 : **Dr. K. Vijaya Kumar**  
Department Name : Physics  
Institute Name : JNTUH College of Engineering Sultanpur

With the following terms and conditions to the Investigators:

1. The institute where Principal Investigator is working becomes the lead Institute.
2. An Initial grant of Rs.1,00,000/- will be released to the account of the principal of lead institute.
3. In case if both PI and Co-PI-1 are from affiliating institutions, a joint account should be operated by PI, Co-PI-1 and Principal of lead institute.
4. If Co-PI-1 is from the Constituent colleges of JNTUH (JNTUHCEH, JNTUHCEJ, JNTUHCEM, JNTUHCES), PI and Co-PI will operate a Joint account and fund will be transferred for lead institute Principal account.
5. In case, PI or Co-PI leave the institute for any reason or withdraw from the project (proper justification should be communicated to the University), he/she shall be treated as withdrawn from the project.
6. PI's and Co-PI's should fill the Forms A to F and submit to TEQIP-III JNTUH whenever required.
7. PI's and Co-PI's should submit Form A within 3 days after receiving the sanction letter.
8. PI's and Co-PI's should be present at the time of first Progress evaluation after 4 months and all other subsequent Progress Evaluations (once in 4 months) conducted at TEQIP-III JNTUH.
9. The Second Installment of Rs.1,00,000/- of Research grant will be released on satisfactory performance in first Progress Evaluation and submission of Form B and Form D duly filled and signed.
10. The 3<sup>rd</sup> and final installment will be released upon submission of Form C and D and satisfactory Performance in the next Progress Evaluation.



Date: 29.11.2019

F.No.9-233/RIFD/MOD/Policy-I/2018-19

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](http://www.aicte-india.org)



MODROB - Sanction Letter

F.No.9-233/ RIFD/MOD/Policy-1/2018-19



Date: 04.12.20

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

Sub: Release of a sum of Rs.831200/- (Rupees Eight Lakh ThirtyOne Thousand Two Hundred Only) by the Grant-in-Aid under the scheme Modernization and Removal of Obsolescence (MODROB) for year 2018-19 payable during the current financial year 2019-20- reg.

Sir,  
With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council payment of **Rs.1039000/- (Rupees Ten Lakh ThirtyNine Thousand Only)** as Grant-in-Aid under **Modernization and Removal of Obsolescence (MODROB)** scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, VIDYA JYOTHI INSTITUTE OF TECHNOLOGY, HIMAYATH NAG VILLAGE C.B.POST MOINABAD MANDAL HYDERABAD RANGA RED DIST-75 Telangana -500075		
2.	Title of Project:	PERFORMANCE EVALUATION OF A BIO DIESEL IN VARIAT COMPRESSION RATIO (VCR) DIESEL ENGINE		
3.	Name of Coordinator:	Dr. MADANANANDA LINGALA		
4.	Duration of the project:	2 Years		
4.	Total Grant-in-aid Sanctioned:	Total: Rs.1039000/-	Non-Recurring (85%): Rs.883150/-	Recurring (15%): Rs.155850/-
5.	Amount to be released during the year 2019-20:	1st Installment Rs.831200/-	Non-Recurring (85%): Rs.706520/-	Recurring (15%): Rs.124680/-
6.	Sanctioned grant-in-aid is debitible to:	Major Head 601.18(a) Gen. (Plan Head)		

- 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 account of the Director/Principal/ Registrar of the Institute through RTGS/PFMS.
- 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.

**THE INSTRUCTIONS/GUIDELINES TO BE FOLLOWED BY UNIVERSITY/INSTITUTION**

**I. Release of funds:**

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

Institute PAN No.	Bank Name	Bank Branch Name	Branch Address	Account Holder Name	Account Type	Account Number
AAATV44 33C	CANAR A BANK	HIMAYA THENAGA R VILLAGE	HIMAYATHANAG AR VILLAGE, MOINABAD MANDAL, HYDERABAD-500 075	PRINCIPAL (R&D), VJIT, HYDERABAD	Current Account	3063201000024



Date:29.11.2019

F.No.9-<sup>233</sup>\_\_\_\_/RIFD/MOD/Policy-I/2018-19

- Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council.
- d) In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.
  - 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).
    - iv. 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.
  - f) Project completion report project indicating the activities undertaking, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.
  - g) Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.
  - h) Photographs of equipment's purchased.
  - i) 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.

#### V. 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) 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.9-233/RIFD/MOD/Policy-I/2018-19 in your future correspondence.
- c) The grantee shall maintain an audited record of assets acquired wholly or substantially out of Grant-in-Aid and a register of assets shall be maintained by the Institute in the prescribed format i.e.GFR-19.
- d) The College / 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.
- e) The assets acquired wholly or substantially out of grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction from the AICTE and should at any time the institution cease to function, such assets shall revert to AICTE.
- f) The grantee Institution shall observe all financial norms and guidelines as prescribed by AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/or> circular/general-financial-rules2017-0) should be followed during utilization of grant.





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](http://www.aicte-india.org)

**MODROB - Sanction Letter**

F.No. 211/DC/ MODROB Policy-1/2019-20

Date: 20.07.20

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

**Sub:** Release of a sum of **Rs.956863/-** (Rupees Nine Lakh FiftySix Thousand Eight Hundred SixtyThree being the 1<sup>st</sup> installment Grant-in-Aid under the scheme **Modernization and Removal of Obsole (MODROB)** for the year 2019-20 payable during the current financial year 2020-21- reg.

Sir,  
 With reference to the proposal submitted by the institute, this is to convey that the sanction of the Cou payment of **Rs.1196078/- (Rupees Eleven Lakh NinetySix Thousand SeventyEight Only)** as sanctioned Grant under the **Modernization and Removal of Obsolescence (MODROB)** scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, VIDYA JYOTHI INSTITUTE OF TECHNOLOGY, HIMAYATH NAG VILLAGE C.B.POST MOINABAD MANDAL HYDERABAD RANGA DIST-75		
2.	Title of Project:	UPGRADATION OF CAD/CAM LAB FOR REVERSE ENGINEERING BUILDING OF FREEFORM SURFACES		
3.	Name of Coordinator:	Dr. SREERAM REDDY GUNDETI		
4.	Duration of the project:	2 years		
4.	Total Grant-in-aid Sanctioned:	Total: Rs.1196078 -	Non-Recurring (85%): Rs.1016666-	Recurring (15%): Rs.179411/-
5.	Amount to be released during the year 2020-21:	1 <sup>st</sup> Installment Rs.956863 -	Non-Recurring (85%): Rs.813333 -	Recurring (15%): Rs.143529/-
6.	Sanctioned grant-in-aid is debatable to:	Major Head 601.18(a) Gen. (Plan Head)		

- 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 account of Director/Principal/Registrar of the Institute through RTGS/PFMS.
- This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme already communicated, and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution

- Release of funds
  - The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify correctness of the undermentioned bank account/ RTGS details submitted by them along with the Prop

for depositing the Demand Draft in the bank, the same be imm  
of the validity period

#### IV. Submission of documents by college institution after completion of Project/Subsequent years.

- a. The following mandatory documents are required to be submitted by the college/institution with the completion of the project:-
  - a. Statement of actual Expenditure in the prescribed proforma.
  - b. Annual Progress Report (APR) in the prescribed format along with the original Statement of actual Expenditure in the prescribed proforma duly signed by the Head of the institution and shall be submitted to the Council not later than one month after completion.
  - c. 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 the completion of the project. It should contain the head-wise break up of expenditure made from the grant provided by the Council. Audited Statement of Expenditure indicating expenditure incurred in the total of the project in the prescribed format and GFR-19 shall be submitted to the Council.
  - d. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate required to be audited & signed by a Chartered Accountant (with membership no., full address & Photocopies of formats are enclosed).
  - 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.

- f. Project completion report indicating the activities undertaken, number of students benefited, lab works photographs of students, together with their views is to be submitted.
- g. Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.
- h. Photographs of equipment's purchased.
- i. The balance amount of the grant will be reimbursed to the university/institution only on submission of above documents. On receipt of these documents, the total amount of balance of financial assistance, as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of beneficiary institution.

#### V. General instructions

- a. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for the particular project. However, the interest amount accrued along with grant disbursed should not exceed the grant sanctioned for the project. The Institute receiving the grant should reflect the same in the statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or shall adjust the same in the next installment of grant before its release.
- b. Any unavoidable circumstantial change in the project with respect to name of Project Coordinator/ MODROB project would mandatorily require prior approval of the Council. All such requests shall be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which 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 No.9-1/RIFD/Mod/Policy-1/2019-20 in your future correspondence.
- c. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the Grant and a register of assets shall be maintained by the Institute in the prescribed form i.e.GFR-19.



Dated- 19<sup>th</sup> April, 2021

F. No.67- 13/IDC/GOC/POLICY-1/2020-21

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](http://www.aicte-india.org)



**Grant for Organizing Conference - Sanction Letter**

To

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

**Subject:** Release of a sum of **Rs. 90,850/- (Rupees Ninety thousand eight hundred fifty only)** as Grant-in-Aid to conduct Conference under the scheme **Grant for Organizing Conference (GOC)** for the year 2020-21 payable during the current financial year 2021-22-reg.

Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of **Rs. 90,850/- (Rupees Ninety thousand eight hundred fifty only)** to conduct Conference under the scheme **Grant for Organizing Conference (GOC)**, as per details given below:

1.	Name and address of the Beneficiary Institute:	<b>Vidya Jyothi Institute of Technology, Himayath Nagar, Village-C. B. Post, Moinabad Mandal, Hyderabad, Ranga Reddy-District, Telangana-500075</b>
2.	Permanent ID of Institute:	<b>1-5354121</b>
3.	Title of Conference:	<b>NAMAM</b>
4.	Mode of Conference:	Onsite Conferences
5.	Level of Conference:	National Level
6.	Name of Coordinator:	<b>Dr. Madanananda Lingala</b>
	Name of Co-Coordinator:	Venkata Satyanarayana Vaddi
7.	Grant-in-aid Sanctioned:	<b>Rs. 1,81,700/- (Rupees One lakh eighty one thousand seven hundred only)</b>
8.	Amount to be released during the year 2020-21 as 1 <sup>st</sup> instalment (50% of grant sanctioned:	<b>Rs. 90,850/- (Rupees Ninety thousand eight hundred fifty only)</b>
9.	Sanctioned grant-in-aid is debit to:	<b>Major Head 601. 17 (a) Gen (GOC) Plan Head</b>

- The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education, New Delhi on the Grant-in-aid bill and shall be disbursed to and credited to the account of Registrar/ Director/ Principal of the institute through RTGS.
- 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.

**The instructions/ guidelines to be followed by college/ institution**

**I. Release of funds**

- The Principal/ Director of the institute and the Coordinator of the Conference are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal, against which the grant is being released:

AQIS ID: 1-9239828492

Dated- 19<sup>th</sup> April, 2021

F. No.67- 13/IDC/GOC/POLICY-1/2020-2

- b. The grant shall be refunded to AICTE if the Letter of Approval (LOA) or Extension of Approval is not issued by AICTE to the institute for the academic year 2020-21.
- c. The proposed/ approved Conference shall be conducted within 12 months from the date of receipt of grant. If conference is not conducted within stipulated time period, the released amount, alongwith interest accrued thereon, has to be necessarily returned to AICTE within one month, failing which penalty @ 18% will be levied.
- d. Interest accrued on the grant released, shall be refunded to AICTE.
- e. No payment is permissible against the conference **already conducted**. Institutions are liable to refund the grant if received after the conduct of conference and have no plan of conducting the conference ahead.
- f. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

#### VI. Documents to be uploaded on AICTE Dashboard/ Portal

##### On receipt of grant:

The Acceptance Letter with dates of Conference, within 7 days from the date of receipt of the Sanction Letter duly signed and seal affixed by Coordinator and Head of the Institutions along with permission/clearance of Govt. of India for Organizing Conference.

##### After conduct of the Conference:

Institute has to fill up Report on AICTE dashboard/ portal and upload following documents:

- a. Copy of proceedings of conference
- b. Feedback of the participants.
- c. Geotagged photographs (maximum 15) of the conference.

#### VII. Submission of documents by institute after conduct of conference

The following documents must be submitted to AICTE within a period of one month, from the date of conduct of Conference:

- a. Utilization Certificate and Statement of Accounts in prescribed format duly audited by the Chartered Accountant in the case of a private institution and by the Finance Officer/Account Officer in respect of government/government- aided institution.
- b. Supporting bills/documents on account of expenses incurred for the purpose duly attested by the Head of the Institute.
- c. *Soft copy of final report submitted on portal as mentioned above (in section VI).*

#### VIII. General instructions

- a. Any change in the programme for holding Conference, change of Coordinator name, Venue and Date should be effected only after prior approval of the Council, failing which the sanction for the grant already issued would be treated as automatically withdrawn.
- b. The assets acquired wholly or substantially of the All India Council for Technical Education's grants shall not be disposed or encumbered or utilized for the purposes other than those for which it was given without proper sanction of the Council and should, at any time the Institution ceased to function, such assets shall revert to the All India Council for Technical Education.
- c. The beneficiary institute will make best efforts to promote the scheme by mentioning the sponsorship/ support from AICTE, carrying the Logo of AICTE in conference and other means.



4 January 2019

9-182  
F.No. \_\_\_/RIFD/MODROB/Policy-1/2017-18

## 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](http://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

**Sub:** Release of a sum of Rs. Eight Lakh Forty Seven Thousand Two Hundred/- 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. 847200/- (Rupees Eight Lakh Forty Seven Thousand Two Hundred Only) as 1st installment / final payment out of the total approved grant-in-aid of Rs. 1059000 for completion of MODROB on Advanced Mechanical Properties Testing Facility in Mechanics of Solids Laboratory in VIDYA JYOTHI INSTITUTE OF TECHNOLOGY RANGAREDDI Pin No - 500075 Telangana, 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
AAATV4433C	CANARA BANK	HIMAYATHNA GAR VILLAGE	HIMAYATHAN AGAR VILLAGE, MOINABAD MANDAL, HYDERABAD-500 075	PRINCIPAL (R&D), VJIT, HYDERABAD	Current Account	3063101002044	CNRB0003063

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. 9-182/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.

- (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. 9-182 /RIFD/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. GoI 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.	Computerized Universal Testing Machine
2.	Fatigue Testing Machine
3.	Micro-Hardness Testing Machine

Yours sincerely,

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

Copy forwarded for information and necessary action to: -

26 MAR 2019



Tele: 011-23017582  
Telefax: 011-23017582



No ERIP/ER/DG-NSM/990416702/M/01/1638  
Government of India, Ministry of Defence  
Defence Research & Development Orgn.  
Directorate of Extramural Research and  
Intellectual Property Rights (ER&IPR)  
DRDO Bhawan, Rajaji Marg, DHQ PO  
New Delhi - 110 011

18-Apr-17

To  
The Principal (R&D)  
Vidya Jyothi Institute of Technology  
Hyderabad - 500075

Sub: **RELEASE OF 1st INSTALLMENT OF GRANTS-IN-AID FOR DRDO SPONSORED PROJECT TITLED "Investigation of Nanocrystalline Bismuth Ferrite for Possible Shape Memory and Reconfigured Antenna Applications".**

1. Please refer our Sanction letter No ERIP/ER/DG-NSM/990416702/M/01/1638 dated 30-Nov-16.

2. An amount of ₹4005500/- (Rupees Forty Lakh Five Thousand Five Hundred only) has been transferred to your account through ECS transfer mode towards the payment of 1st installment of the Grants-In-Aid. Photo copy of cheque slip is enclosed herewith. An official receipt of the payment may please be sent immediately for our records and confirmation.

Please Note - On selection of Research Fellow for the project it is mandatory to submit copy of Board Proceedings, Joining Report & Bio-data of selected candidate(s) immediately to this Directorate for our record.

**The Project duration to the subject project is - 31.3.17 to 30.3.20**

3. The grant shall be exclusively utilized for the purpose for which it was sanctioned. It may be ensured that expenditure should not be exceeded the limit of sanctioned amount under any head. Any excess expenditure without prior approval of DRDO will have to be borne by the grantee institute.

4. It may be noted that funds for the subsequent year will be released on satisfactory progress of the project and on submission of the following documents:-

1. **Audited Statement of Accounts and Utilization Certificate for the period from 31.3.17 to 31.3.17 & 1.4.17 to 31.3.18** (please send two sets each in original). Interest generated from DRDO grants must be reflected in the project accounts. A copy of audit certificate issued by statutory audit in case audit performed by CAG/DG Audit.

2. **Provisional Statement of Accounts and Utilization Certificate for the period from 1.4.18 to date of submission** to justify the release (two sets original each).

3. Progress Report in triplicate.

4. A complete detail of approved equipments purchased (if any) under Equipment Head duly signed by the PI and countersigned by the Competent Authority. Equipments which are not approved/projected in proposal need not to book under DRDO funded project.

5. **Contingent Bill** duly signed by the PI on revenue stamp and countersigned by the Competent Authority.

6. **Updated Electronic transfer detail** duly verified by banker for speedy transfer of funds.

**Send the above documents on prescribed formats and according to instructions for smooth and speedy release.**

5. The prescribed forms can be downloaded from our website:-

<http://drdo.gov.in/drdo/English/indexCorpDir.jsp?pg=GenUserInfo.jsp&dir=ERIPR>

(Rakesh Mohan)  
Account Officer

Encl :Cheque slip

Copy to:  
**Dr. P. Venugopal Reddy**  
Professoer of Physics & Director  
Vidya Jyothi Institute of Technology

- for information and necessary action please.



**MODROB - Sanction Letter**

F.No.9-211-DC/MODROB/Policy-1/2019-20

Date: 20.07.2020

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

**Sub:** Release of a sum of **Rs.956863/- (Rupees Nine Lakh FiftySix Thousand Eight Hundred SixtyThree Only)** being the 1<sup>st</sup> installment **Grant-in-Aid** under the scheme **Modernization and Removal of Obsolescence (MODROB)** for the year 2019-20 payable during the current financial year 2020-21- reg.

Sir,

With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council for payment of **Rs.1196078/- (Rupees Eleven Lakh NinetySix Thousand SeventyEight Only)** as sanctioned Grant-in-Aid under the **Modernization and Removal of Obsolescence (MODROB)** scheme. as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, <b>VIDYA JYOTHI INSTITUTE OF TECHNOLOGY, HIMAYATH NAGAR VILLAGE C.B.POST MOINABAD MANDAL HYDERABAD RANGA REDDY DIST-75</b>		
2.	Title of Project:	<b>UPGRADATION OF CAD/CAM LAB FOR REVERSE ENGINEERING MODEL BUILDING OF FREEFORM SURFACES</b>		
3.	Name of Coordinator:	<b>Dr. SREERAM REDDY GUNDETI</b>		
4.	Duration of the project:	2 years		
4.	Total Grant-in-aid Sanctioned:	<b>Total:</b> Rs.1196078/-	Non-Recurring (85%): Rs.1016666/-	Recurring (15%): Rs.179411/-
5.	Amount to be released during the year 2020-21:	<b>1<sup>st</sup> Installment</b> Rs.956863/-	Non-Recurring (85%): Rs.813333/-	Recurring (15%): Rs.143529/-
6.	Sanctioned grant-in-aid is debatable to:	Major Head 601.18(a) Gen. (Plan Head)		

- 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 account of Director/Principal/ Registrar of the Institute through RTGS/PFMS.
- 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.

**The instructions/guidelines to be followed by University/Institution**

**1. Release of funds**

- The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal, in



- e. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

#### IV. Submission of documents by college/institution after completion of Project/Subsequent years.

The following mandatory relevant documents are required to be submitted by the college institution within one month of the completion of the project: -

- a. Feedback form in the prescribed proforma.
- b. The Annual Progress Report (APR) in the prescribed format along with the original Statement of actual Expenditure in the prescribed proforma duly signed by the Head of the institution and shall be submitted to AICTE not later than one month after completion.
- c. 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. 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.
- d. In case of self-financing private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.
- 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.

- f. Project completion report project indicating the activities undertaken, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.
- g. Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.
- h. Photographs of equipment's purchased.
- i. 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.

#### V. 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. 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.9-1/RIFD/MOD Policy-1/2019-20 in your future correspondence.
- c. 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.

### Summary of Total Budget

Budget	Year 1	Year 2
Manpower		
JRF (Rs.31,000/PM +30%HRA: 483,600/		483,600/
Consumables	40, 000/	40,000/
Travel	60,000/	60,000/
Inst. overhead	1,25,000/	1,25,000/
Contingency	20,000/	20,000/
Equipment	35,00,000/	-----
Total	Rs. 4228600/	Rs. 728600

### Justification for Manpower

Since production of nano powder and testing need background of physics, chemistry and engineering , we need to have a JRF with MSc/B.Tech (Eng) degree .Therefore, JRF is required and hence a budget for JRF.

### Justification for consumbles

The project deals with preparation of final desired products ,starting from the raw materials, we need to buy raw materials. Not only that , some additional chemicals may be required to realize the intermediate /semi products before the final products with better and consistent quality and quantity are produced . We may need to conduct several experiments before arriving to the proper processing condntions, for which we need raw matewrials and /or consumbles .

### Justification for Equipment :

Mu metal is a magnetic material and we know pretty well that nanomaterial produced under each processing conditions give rise to different characteristics. And it is well-known that they are several processing conditions in the production of very fine powder of mu-metal ( of nanoscale and even the size of a few nanometers that is likely of domain size). Therefore, testing the characteristics of the powder at every stage is paramount in the success of the project. Hence the need of Vibrating Sample Magnetometer(VSM)