



# AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

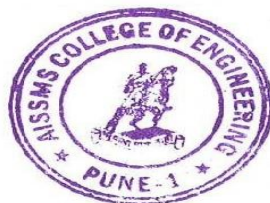
Accredited by NAAC with "A+" Grade | NBA - 6 UG Programmes



## Key Indicator – 3.1: Resource Mobilization for Research

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

Sr. No.	Academic Year	Total Grant Received
1	2022-23	4.5
2	2021-22	33.84
3	2020-21	1
4	2019-20	1.15
5	2018-19	0.70
<b>Total</b>		<b>41.19</b>



  
**PRINCIPAL**  
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING  
KENNEDY ROAD, PUNE-411 001



# AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

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**PRINCIPAL**  
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING  
KENNEDY ROAD, PUNE-411 001

**Factory :**

Gat no 38, Jadhavwadi,  
Navfakh Umbre Talegaon  
Dabhade, Maharashtra, India  
410507

**Registered Office :**

108, Akshay Complex  
Dhole Patil Road  
Pune, Maharashtra, India  
411001

**UK Office :**

Autofina Ltd.  
Future Business Centre, Kings  
Hedges Road, Cambridge  
United Kingdom CB4 2HY

**The Principal****All India Shir Shivaji Memorial Society's College of Engineering (AISSMS COE)****1 Kennedy Road, Pune – 411 001****Subject: Grant Approval – for Robotics Lab Equipment**

Dear Sir,

I am delighted to inform you that your grant application, submitted on 09 March 2023, has been accepted. The Autofina UK grant has approved a grant of **INR 4.5 lac** for the purchase of robotics equipment for the laboratory at your newly establish Robotics and Automation Department.

The Amount of Grant will be deducted from the total purchase amount of the Autofina Robotics Industrial Robot Education Cell.

We look forward to the positive impact this equipment will have on your research and education efforts.

Congratulations, and do not hesitate to contact us for any assistance.

Sincerely,



Rushabh Parekh

Director

Autofina Robotics Automation



Enclose: Copy of Grant approval letter from Autofina Robotics UK

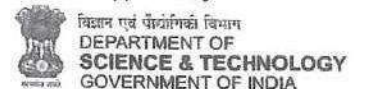


**Head of Department**  
**Production Engineering**  
**AISSMS COE, PUNE 1**

Incubated by



Supported by



+919823830979



info@autofinarobotics.com



www.autofinarobotics.com

All India Council for Technical Education

(A Statutory body under Ministry of Education, Govt. of India)

Nelson Mandela Marg, VasantKunj, New Delhi-110070 Website: [www.aicte-india.org](http://www.aicte-india.org)



**MODROB ASPIRATIONAL - Sanction Letter**

F.No.9-88/IDC/MOD- ASP/Policy-1/2021-22

Date: 04.03.2022

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.553143/- (Rupees Five lakh Fifty Three Thousand One Hundred Forty Three Only)** being the 1<sup>st</sup> installment **Grant-in-Aid** under the scheme (**MODROB- ASP**) for the year **2021-2022** payable during the current financial year **2021-2022- reg.**

Sir/ Madam,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of **Rs.691429/- (Rupees Six lakh Ninety One Thousand Four Hundred Twenty Nine Only)** as sanctioned Grant-in-Aid under the **Modernization and Removal of Obsolescence Aspirational (MODROB- ASP)** scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, <b>ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S COLLEGE OF ENGINEERING, PUNE-1, KENNEDY ROAD, NEAR RTO, PUNE-411001., Maharashtra</b>		
2.	Title of Project:	Artificial Intelligence & Machine Learning integrated Internet of Things (AI & ML integrated IOT ) Laboratory		
3.	Name of Coordinator:	DAULAPPA BHALKE		
4.	Duration of the project:	2 years		
5.	Total Project Cost:	Rs.1086375/-		
6.	Contribution from AICTE, Industry & Institute:	<b>AICTE</b>	<b>Industry</b>	<b>Institute</b>
		Rs.691429/-	Rs.394946/-	Rs.0/-
7.	Total Sanctioned Grant-in-aid from AICTE:	<b>Non-Recurring(85%):</b>	<b>Recurring (15%):</b>	<b>TOTAL</b>
		Rs.587715/-	Rs.103714/-	Rs.691429/-
8.	Amount to be released during the year 2021-22:	<b>Non-Recurring(85%):</b>	<b>Recurring (15%):</b>	<b>TOTAL</b>
		Rs.470172/-	Rs.82971/-	Rs.553143/-
9.	Sanctioned grant-in-aid is debatable to:	<b>Major Head 601.18(a) Gen. (Plan Head)</b>		

The contributions from industry and institute (as mentioned in the row 6 of Table above) must reflect in the Receipt & Expenditure Statement in respect of this project, failing which AICTE may not consider proposals under the Scheme in future.

- 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.

F. No. 9-88/IDC/MOD-ASP/Policy-1/2021-22

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.

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

**I. Release of funds**

- a. 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 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
AAATA1675P	BANK OF BARODA	Bank of Barod, Shivajinagar, Pune	Shivaji Nagar, Pune - 411005	AISSMSS College of Engineering Project A/C	Saving Account	04510100017246	BARB0SHIP00

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

- b. The sanction is issued in exercise of the powers delegated to the council and other terms & conditions laid down in the guidelines of the scheme.
- c. 80% grant of the sanctioned amount is being released to institution as first installment followed by 20% as reimbursement after Utilization Certificate (UC) and other requisite documents as specified in terms & conditions of MODROB scheme.

**II. Maintenance of accounts**

- a. The institute shall strictly follow the provisions laid down in the scheme document and this sanction letter. 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.
- b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant from AICTE.
- c. 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).
- d. The Council or its nominee shall have the right to check/ verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- e. 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 sanction letter will not be allowed to be adjusted in the grant and if the Institution/ University does not take the project work within one month of the receipt of the grant, the approval shall ipso fact lapse.
- f. 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.

**III. Refund of grant by way of a demand draft in favour of Member Secretary, AICTE, New Delhi**

- a. If the college/ institute does not have the Letter of Approval (LOA) or Extension of Approval issued by AICTE for the academic year 2021-22, the fund released should be immediately refunded to AICTE with interest accrued thereon.
- b. If project is not started within six months of the issuance of this Sanction Letter, the released amount, along with interest accrued thereon, has to be necessarily returned to AICTE.

- c. 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.
- d. 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) Two HODs and one subject expert(Members).
  - (iii) Coordinator of the project (Secretary),

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/ items 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.

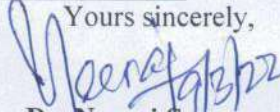
#### V. General instructions

- 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 released.
- 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.

- 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.
- 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 superscribed 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 of the AICTE and should at any time the institution cease to function, such assets shall revert to the AICTE.
- f. When the institute ceases to function, it shall take action with respect to equipment/ items procured through AICTE grants as follows:
  - i. It shall be ensured that the project has been completed and all mandatory documents have been submitted for utilization of grant and file has been closed under which the equipment has been procured.
  - ii. The equipment/ items in unserviceable condition are to be disposed off by the institute as per the Government of India rules and the sale proceeds if any, should be sent by Demand Draft in favor of Member Secretary, AICTE, New Delhi.
  - iii. The equipment/ items in working/ serviceable condition shall be transferred in preferential order to:
    - Institute under the same society/ trust/ management.
    - Nearby AICTE approved Government (Degree/ Diploma) institute/ College.
  - iv. The transportation charges for shifting of equipment/ items be borne by borrowing institute.
  - v. AICTE shall be intimated regarding handover/ takeover of the equipment/ items.
- g. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017>) should be followed during utilization of grant.
- h. The department/ institute is expected to utilize these equipment/ items alongwith others in offering student internship also by registering on the AICTE Internship Portal (@<https://internship.aicte-india.org>). The internships can be offered to students of other institutions also.
- i. As mentioned in the scheme document, the institute must register in I-STEM (Indian Science, Technology & Engineering Facilities Map) (@<https://www.istem.gov.in>).

**List of Equipment/ Items approved:**

List of Equipment/ Items
Petals Wireless Integration bundle
Belkin N150 wireless router
Petals AI & ML - IoT Researchkit AIOT_RK_3312
Petals AI & ML - IoT Tech pack AIOT_TP_9129
Petals HMI Touch1651
Petals MYO AI & ML-IoT. Automation suite - 3 kits
Petals ResearchKitDev - Tools 1.Petals AI & ML - IoT 2.0 2.Petals DABD - IoT 2.0 (Unlimited Users)

Yours sincerely,  
  
 Dr. Neeraj Saxena  
 Advisor - I (IDC)

Copy forwarded for information and necessary action to:

1. **Name and Address of the Coordinator,**  
**DAULAPPA BHALKE**  
 ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S COLLEGE OF ENGINEERING, PUNE-1,  
 KENNEDY ROAD, NEAR RTO, PUNE-411001.
2. **The Registrar/ Director/ Principal,**

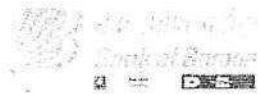
F. No. 9-88/IDC/MOD-ASP/Policy-1/2021-22

**DATTATRAYA BORMANE**

ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S COLLEGE OF ENGINEERING, PUNE-1,  
KENNEDY ROAD, NEAR RTO, PUNE-411001.

**3. Guard File**





**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY**

55 56 SHIVAJINAGAR PUNE  
55 56 SHIVAJINAGAR PUNE  
PUNE  
MAHARASHTRA-411005  
INDIA

Customer Id: 001198107  
Branch Name: SHIVAJI NAGAR, PUNE  
IFSC Code: BARB0SHIPOC

Account No: 04510100017246  
MICR Code: 411012011

Your Account Statement as on 04/04/2022

Statement Period from 01/03/2022 to 31/03/2022

Statement of transactions in Account 04510100017246 in INR for the period 01/03/2022 - 31/03/2022



25/03/2022	ACH Credit/Credit Through PFMS/C032259062894		5,53,143.00	71,21,290.97Cr
25/03/2022	ACH Credit/Credit Through PFMS/C032259062333		13,58,800.00	65,68,147.97Cr
24/03/2022	TRANSACTION CHARGES -SB	407.10		52,09,347.97Cr
22/03/2022	NEFT-RB/0822270577481-University Grants Commission		11,62,778.00	52,09,755.07Cr

**PRINCIPAL  
AISSMS, COE, PUNE-1**



Your safety  
is in your hands



Do not share your Account Number / PIN / OTP  
for extending your EM!  
Bank will never ask for such details

#StaySafeBankSafe

Ref : Netalla/Office/MODROBS/2022/AISSMS/013

Date: 01/09/2022

To,

**The Principal**  
AISSMS College of Engineering Pune  
Kennedy Road, Near RTO Office  
Pune - 411001

**Subject: Grant for the development of project titled "Artificial Intelligence and Machine Learning Integrated Internet of Things Laboratory"**

**Reference: AICTE Letter - F No. 9-88/IDC/MOD-ASP/Policy-1/2021-22 dated 04-03-2022 under the scheme MODROB-ASP Scheme**

Respected Sir,

I am writing on behalf of **Netalla Innovations Pvt Ltd.**, to express our commitment to grant an amount of **7,83,301 INR** as industry contribution towards the development of the project titled "**Artificial Intelligence and Machine Learning Integrated Internet of Things Laboratory**" in the **Department of Electronics and Telecommunication Engineering**, with **Dr. S. B. Dhonde** serving as the **Project Coordinator**.

We are happy to be part of such an innovative initiative and believe that the integration of Artificial Intelligence, Machine Learning, and Internet of Things (IoT) technologies will greatly benefit the academic and research pursuits of the students and faculty at AISSMS College of Engineering.

We look forward to collaborating closely with your esteemed institution on this project and witnessing the positive impact it will have on the learning and research landscape.

With Warm Regards



**Rajkamal**  
Director-Operations  
Netalla Innovations Private Limited  
Bangalore



*Dhonde*  
**Head**  
Department of Electronics & Telecommunication  
AISSMS's COE PUNE-411001.



M S Deshmukh &lt;msdeshmukh@aissmscoe.com&gt;

## Your Project Approved: File No.: 4645/GEH-Research/policy-1/1021-24/2021/IN-85

2 messages

biplab sarkar &lt;dr.bksarkar2003@yahoo.in&gt;

Sun, May 22, 2022 at 3:33 PM

To: "msdeshmukh@aissmscoe.com" &lt;msdeshmukh@aissmscoe.com&gt;

To

Date: 22/05/2022

**Dr. M. S. Deshmukh**Associate Professor, Mechanical Engineering, AISSMS College of Engineering Pune, MH, India. E-mail-  
msdeshmukh@aissmscoe.com

We appreciate your efforts in submitting your proposal File No.: 4645/GEH-Research/policy-1/1021-24/2021/IN-85 for the "Performance Assessment of VCC based Air Water Generator using flat plate type Evaporator." Project 2022. After a thorough analysis of the proposal, the grant committee has given the green light for the project. In this regard, you can start the project as soon as possible.

Project Title: **Performance Assessment of VCC based Air Water Generator using flat plate type Evaporator.**

Scheme: Core Reserch Grant/ Extramural Reserch

Area: Science and Education

Technology Transferred: Yes (GEH Research)

Total Cost: 5, 01,950.00 (1- Yeasr- Pay 20% , 2- Years- Pay-20%, 3- Years-Pay-60%)

Started date: 25/05/2022

End Date: 24/05/2025

We believe your project will impact many lives in the city. Once more, thank you for submitting your proposal and the excellent job you are doing to make the world a better place.

*Prof.(Dr.) Biplab Kr. Sarkar*

*Post.Doc. (Singapore), Ph.D. (CS) (IIT-BHU), M-Tech (CS) IIT-BHU, B-Tech (CS).*

*Total no of National Patent =175 (Published:85, Granted:26 )*

*Total no of International Patent= 22 (Published:10, Granted:08)*

*Total no of Patent commercialized: 15 (21L+ 23L+45L+5L+50L+..... =7.44 Cr.)*

*12- Patent is under Process of commercialization: (3.0Cr, 45L, 72L, 2.12Cr...=5.87Cr.)*

*Project Completed and Running More Then:2300 Cr.( International , National Level)*

*Book Published: International =20, ISBN :( 978-613-9-82266-9) "Concept of Programming, (ISBN: 978-613-9-93803-2)"Paradigm of Cloud Computing" ISBN :( 978-3-7438-8487)"Intr. to Internet and Web Tech...*

*Total no of E-Book= 07(Neural Network, Programming, Computer Graphics .....)*

*Member: JCET, IJCT, IJECRT, IETE, IJTEMAS, ISTE, SMU, IIHT, Global R/D, GEH.*

*Total no of Research Paper : International-46, National-32*

*Mobile: +91, 8059794469, 8830121996 E- Mail : [dr.bksarkar2003@yahoo.in](mailto:dr.bksarkar2003@yahoo.in)*



85- Approval Letter-ok - Copy.pdf

702K

*[Signature]*  
**Head of Department**  
**Mechanical Engineering**  
**AISSMS, COE, PUNE.**



## GEH RESEARCH

GEH RESEARCH, A-19-21, HONBASHI HAKOZAKI CHO, CHUO-KU, TOKYO-TO-103-0015, JAPAN  
GEH RESEARCH, E-101 KITCHAWAN RD, YORKTOWN HEIGHTS, NY 10598, UNITED STATES  
GEH RESEARCH, B-2/45, UL. A. KREGLEWSKIEGO 11, 61-248-2 POZNAŃ, POLAND  
GEH RESEARCH, G-12, LAVELLE ROAD, BENGALURU, KARNATAKA 560001, INDIA  
GEH RESEARCH, 34/09-A, GESCHWISTER-SCHOLL-STRASSE 7, D-39307 GENTHIN, GERMANY  
E-mail: [gehresearch22@gmail.com](mailto:gehresearch22@gmail.com), [dr.bksarkar2003@yahoo.in](mailto:dr.bksarkar2003@yahoo.in)  
Mo no: +81 3-6832-6050, +49 61 667 48 92, +1 914-945-3080,  
+91- 8059794469, +49 4194 9881988, [www: gehresearch.com](http://www.gehresearch.com)

To

**Dr. M. S. Deshmukh**

Associate Professor, Mechanical Engineering, AISSMS College of Engineering Pune, MH,  
India. E-mail- [msdeshmukh@aissmscoe.com](mailto:msdeshmukh@aissmscoe.com)

Date: 22/05/2022

We appreciate your efforts in submitting your proposal File No.: 4645/GEH-Research/policy-1/1021-24/2021/IN-85 for the "Performance Assessment of VCC based Air Water Generator using flat plate type Evaporator." Project 2022. After a thorough analysis of the proposal, the grant committee has given the green light for the project. In this regard, you can start the project as soon as possible.

**Project Title: Performance Assessment of VCC based Air Water Generator using flat plate type Evaporator.**

Scheme: Core Reserch Grant/ Extramural Reserch

Area: Science and Education


Technology Transferred: Yes (GEH Research)


Total Cost: 5, 01,950.00 (1- Year- Pay 20% , 2- Years- Pay-20%, 3- Years-Pay-60%)

Started date: 25/05/2022

End Date: 24/05/2025

We believe your project will impact many lives in the city. Once more, thank you for submitting your proposal and the excellent job you are doing to make the world a better place.

  
**Head of Department**  
**Mechanical Engineering**  
**AISSMS, COE, PUNE.**

  
**Prof. (Dr). R. Singh**  
**(Reg. Patent Attorney, Patent Lawyer)**  
**Post.Doc. (Japan), Ph.D. (Law), LL.M, LL.B.**

AAR-4645- GEH RESEARCH



All India Council for Technical Education

(A Statutory body under Ministry of Education, Govt. of India)

Nelson Mandela Marg, VasantKunj, New Delhi-110070 Website: [www.aicte-india.org](http://www.aicte-india.org)



**MODROB ASPIRATIONAL - Sanction Letter**

F.No.9-87/IDC/MOD- ASP/Policy-1/2021-22

Date: 04.03.2022

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.1358800/- (Rupees Thirteen lakh Fifty Eight Thousand Eight Hundred Only)** being the 1<sup>st</sup> installment **Grant-in-Aid** under the scheme (MODROB- ASP) for the year **2021-2022** payable during the current financial year **2021-2022**- reg.

Sir/ Madam,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of **Rs.1698500/- (Rupees Sixteen lakh Ninety Eight Thousand Five Hundred Only)** as sanctioned Grant-in-Aid under the **Modernization and Removal of Obsolescence Aspirational (MODROB- ASP)** scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, <b>ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S COLLEGE OF ENGINEERING, PUNE-1, KENNEDY ROAD, NEAR RTO, PUNE-411001., Maharashtra</b>		
2.	Title of Project:	Modernisation of Tribology Laboratory for Performance Evaluation of Nano/Bio Lubricants		
3.	Name of Coordinator:	BHANUDAS BACHCHHAV		
4.	Duration of the project:	2 years		
5.	Total Project Cost:	Rs.1718500/- ✓		
6.	Contribution from AICTE, Industry & Institute:	<b>AICTE</b>	<b>Industry</b>	<b>Institute</b>
		Rs.1698500/-	Rs.0/-	Rs.20000/- ✓
7.	Total Sanctioned Grant-in-aid from AICTE:	<b>Non-Recurring(85%):</b>	<b>Recurring (15%):</b>	<b>TOTAL</b>
		Rs.1443725/-	Rs.254775/-	Rs.1698500/- ✓
8.	Amount to be released during the year 2021-22:	<b>Non-Recurring(85%):</b>	<b>Recurring (15%):</b>	<b>TOTAL</b>
		Rs.1154980/-	Rs.203820/-	Rs.1358800/- ✓
9.	Sanctioned grant-in-aid is debatable to:	<b>Major Head 601.18(a) Gen. (Plan Head)</b>		

The contributions from industry and institute (as mentioned in the row 6 of Table above) must reflect in the Receipt & Expenditure Statement in respect of this project, failing which AICTE may not consider proposals under the Scheme in future.

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 account of Director/ Principal/ Registrar of the Institute through RTGS/ PFMS.
2. This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as

F. No. 9-87/IDC/MOD-ASP/Policy-1/2021-22

already communicated, and also being communicated in this letter.

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

**I. Release of funds**

- a. 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 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
AAATA1675P	BANK OF BARODA	Bank of Baraod, Shivajinagar, Pune	Shivaji Nagar, Pune - 411005	AISSMSS College of Engineering Project A/C	Saving Account	04510100017246	BARB0SHIP00

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

- b. The sanction is issued in exercise of the powers delegated to the council and other terms & conditions laid down in the guidelines of the scheme.
- c. 80% grant of the sanctioned amount is being released to institution as first installment followed by 20% as reimbursement after Utilization Certificate (UC) and other requisite documents as specified in terms & conditions of MODROB scheme.

**II. Maintenance of accounts**

- a. The institute shall strictly follow the provisions laid down in the scheme document and this sanction letter. 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.
- b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant from AICTE.
- c. 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).
- d. The Council or its nominee shall have the right to check/ verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- e. 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 sanction letter will not be allowed to be adjusted in the grant and if the Institution/ University does not take the project work within one month of the receipt of the grant, the approval shall ipso fact lapse.
- f. 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.

**III. Refund of grant by way of a demand draft in favour of Member Secretary, AICTE, New Delhi**

- a. If the college/ institute does not have the Letter of Approval (LOA) or Extension of Approval issued by AICTE for the academic year 2021-22, the fund released should be immediately refunded to AICTE with interest accrued thereon.
- b. If project is not started within six months of the issuance of this Sanction Letter, the released amount, along with interest accrued thereon, has to be necessarily returned to AICTE.
- c. 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.

- d. 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) Two HODs and one subject expert(Members).
  - (iii) Coordinator of the project (Secretary),

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/ items 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

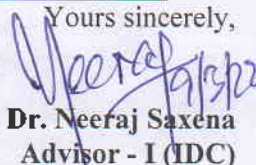
- a. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect 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 released.
- 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.
- 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.

- 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 superscribed 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 of the AICTE and should at any time the institution cease to function, such assets shall revert to the AICTE.
- f. When the institute ceases to function, it shall take action with respect to equipment/ items procured through AICTE grants as follows:
  - i. It shall be ensured that the project has been completed and all mandatory documents have been submitted for utilization of grant and file has been closed under which the equipment has been procured.
  - ii. The equipment/ items in unserviceable condition are to be disposed off by the institute as per the Government of India rules and the sale proceeds if any, should be sent by Demand Draft in favor of Member Secretary, AICTE, New Delhi.
  - iii. The equipment/ items in working/ serviceable condition shall be transferred in preferential order to:
    - Institute under the same society/ trust/ management.
    - Nearby AICTE approved Government (Degree/ Diploma) institute/ College.
  - iv. The transportation charges for shifting of equipment/ items be borne by borrowing institute.
  - v. AICTE shall be intimated regarding handover/ takeover of the equipment/ items.
- g. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017>) should be followed during utilization of grant.
- h. The department/ institute is expected to utilize these equipment/ items alongwith others in offering student internship also by registering on the AICTE Internship Portal (@<https://internship.aicte-india.org>). The internships can be offered to students of other institutions also.
- i. As mentioned in the scheme document, the institute must register in I-STEM (Indian Science, Technology & Engineering Facilities Map) (@<https://www.istem.gov.in>).

**List of Equipment/ Items approved:**

List of Equipment/ Items
KRL shear stability attachment
Automated loading arrangement LUB/0002/OP/1004
Digital image Acquisition System
Four Ball Tester Base LUB/0002/BA/0001 TR 30 L

Yours sincerely,  
  
**Dr. Neeraj Saxena**  
Advisor - I (IDC)

Copy forwarded for information and necessary action to:

1. **Name and Address of the Coordinator,**  
**BHANUDAS BACHCHHAV**  
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S COLLEGE OF ENGINEERING, PUNE-1,  
KENNEDY ROAD, NEAR RTO, PUNE-411001.
2. **The Registrar/ Director/ Principal,**  
**DATTATRAYA BORMANE**  
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S COLLEGE OF ENGINEERING, PUNE-1,  
KENNEDY ROAD, NEAR RTO, PUNE-411001.
3. **Guard File**

F. No. 9-87/IDC/MOD-ASP/Policy-1/2021-22



**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY**

55 56 SHIVAJINAGAR PUNE  
 55 56 SHIVAJINAGAR PUNE  
 PUNE  
 MAHARASHTRA-411005  
 INDIA

Customer Id: 001198107

Account No: 04510100017246

Branch Name: SHIVAJI NAGAR, PUNE

MICR Code: 411012011

IFSC Code: BARB0SHIPOO

Your Account Statement as on 04/04/2022

Statement Period from 01/03/2022 to 31/03/2022

Statement of transactions in Account 04510100017246 in INR for the period 01/03/2022 - 31/03/2022

ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY		Account - 04510100017246	
25/03/2022	ACH Credit/Credit Through PFMS/C032259062894	5,53,143.00	71,21,290.97Cr
25/03/2022	ACH Credit/Credit Through PFMS/C032259062333	13,58,800.00	65,68,147.97Cr
24/03/2022	TRANSACTION CHARGES -SB	407.10	52,09,347.97Cr
2/03/2022	NEFT-RBI0822270577481-University Grants Commission	11,62,778.00	52,09,755.07Cr

  
**PRINCIPAL**  
**AISSMS, COE, PUNE-1**



Your safety  
 is in your hands



Do not share your Account Number / PIN / OTP  
 for extending your EMI

Bank will never ask for such details

#StaySafeBankSafe

**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)



**SPICES - Sanction Letter**

F.No. 10-7/AICTE/IDC/SPICES/2020-21

Dated: 05.03.2021

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. 1,00,000/- (Rupees One lakh only) as Grant-in-Aid under AICTE-SPICES for the year 2021-22 payable during the current financial year 2020-21-reg.

Madam/Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of Rs. 1,00,000/- (Rupees One lakh only) to support the student club/chapter/society (hereinafter referred to as 'Club') under the "Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES)", as per details given below:

1.	Name and address of the Beneficiary Institute:	ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S COLLEGE OF ENGINEERING, PUNE-1, KENNEDY ROAD, NEAR RTO, PUNE, 411001, Maharashtra
2.	Permanent ID of Institute:	1-4279045
3.	Name of student club:	SAEINDIA Collegiate Club of AISSMS College of Engineering
4.	Name of Coordinator:	Dr. Avinash Waghmare
5.	Name of Co-coordinator:	Bhanudas Bachchhav
6.	Grant-in-aid Sanctioned:	Rs. 1,00,000/- (Rupees One Lakh only)
7.	Amount to be released during the year 2020-21	Rs. 1,00,000/- (Rupees One Lakh only)
8.	Sanctioned grant-in-aid is debit to:	Major Head 602.22 (a) General (Non-Plan Head)

- 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 student club is hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them alongwith the proposal, against 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
AAATA16 75P	BANK OF BARODA	Bank of Baraod, Shivajinagar, Pune	Shivaji Nagar, Pune - 411005	AISSMSS College of Engineering Project A/C	Saving Account	04510100 017246'	BARBOSHIP OO

In case of any omission the same should be reported to AICTE within 7 (Seven) days.

- The full amount of the grant sanctioned is being released as advance to the College/ Institute.
- This sanction is issued in exercise of the powers delegated to the Council and other terms and condition laid down in the guidelines of the Scheme.

## II. Limit of Funding

- The grant from AICTE will be Rs. 1,00,000/- (Rupees One lakh only) and the institute is required to make a contribution of Rs. (400001 and above) to the club (as committed by the institute in the proposal), non-compliance of which shall invite penal action.

## III. Utilization of funds

- Funds once released/sanctioned for supporting the particular student club cannot be utilized for any other programme/ student club.
- Students on roll in the institute shall be the member of the club.
- The grant can be utilized for supporting Interests/Hobbies, Creativity/ Imagination/ Innovation and Ethics/ Value through a range of student activities and meeting the cost of registration and travel (up to 40% of the total grant) of students of the beneficiary club, participating in outstation activities.
- Ex-students and ex- faculty members and other officials of the institute shall not be the member of club.
- The clubs must be encouraged to reach out alumni and industries for fund-raising for their events.
- Coordinator will maintain an electronic record of activities, participants etc..

## IV. Maintenance of accounts

- The institute shall strictly follow the provisions laid down in the Scheme document and this sanction letter. All correspondence related to the project must contain the number of this letter alongwith year of sanction of the project failing which correspondence will not be entertained.
- The institute shall maintain proper accounts of the expenditure out of the grant and the Council or its nominee shall have the right to check/verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant.

## V. Refund of grant to AICTE (by way of a demand draft in favour of Member Secretary, AICTE, New Delhi)

- 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 2021-22.
- Interest accrued on the grant released, shall be refunded to AICTE.
- No payment is permissible against the activities already conducted by club
- 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

### a. On receipt of grant:

- The Acceptance Letter within 7 days from the date of receipt of the Sanction Letter duly signed and seal affixed by Coordinator and Head of the Institutions.

- b. After completion of every quarter (from the date of receipt of grant)
- Upload the list of activities /events /participation date-wise brief description, achievement and 4-5 pictures.

- c. After completion of the project (after one year):

Institute has to fill up and update information on AICTE Dashboard/ Portal and upload following documents:

- Photographs showing various activities, events organized by club.
- Feed-back of members of the club.
- Identify 3 other clubs which the institution proposes to develop on the lines of club benefited under SPICES.

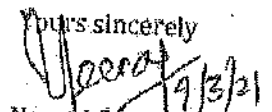
**VII. Submission of documents by institute for project closure (after one year)**

The following documents must be submitted to AICTE within a period of one month, after completion of one year, to stay eligible for receiving further grants from AICTE:

- 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.
- Supporting bills/documents on account of expenses incurred for the purpose duly attested by the Head of the Institute.
- Proof of the amount made available by the institution approved by the Council/ University/ State Government and other sources.
- Soft copy of final report submitted on AICTE Dashboard/ Portal as mentioned above (In section VI).

**VIII. General instructions**

- The assets acquired wholly or substantially of the grants from AICTE 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 AICTE.
- The beneficiary institute will make best efforts to promote the scheme by mentioning the sponsorship/ support from AICTE, carrying the Logo of AICTE in club activities and other means.
- The beneficiary institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.
- This Sanction Letter may be treated as Offer Letter for all purposes.

Yours sincerely  
  
(Dr. Neera) Saxena  
Adviser (IDC)

Copy forwarded for information and necessary action to:

- Dr. Avinash Waghmare,  
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE-1, KENNEDY  
ROAD, NEAR RTO, PUNE, 411001, Maharashtra.
- The Registrar / Director / Principal,  
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE-1, KENNEDY ROAD,  
NEAR RTO, PUNE, 411001, Maharashtra.
- Guard File.

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY**

55 56 SHIVAJINAGAR PUNE  
55 56 SHIVAJINAGAR PUNE  
PUNE  
MAHARASHTRA-411005  
INDIA

**Customer Id:** 001198107  
**Branch Name:** SHIVAJI NAGAR, PUNE  
**IFSC Code:** BARB0SHIPOO

**Account No:** 04510100017246  
**MICR Code:** 411012011

Your Account Statement as on 01/06/2021

Statement Period from 01/05/2021 to 31/05/2021

Statement of transactions in Account 04510100017246 in INR for the period 01/05/2021 - 31/05/2021

ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY		Account - 04510100017246	
07/05/2021	NEFT-SBIN221127073649-AICTE	1,00,000.00	39,83,321.60Cr
01/05/2021	04510100017246.Int.Pd:01-02-2021 to 30-04-2021	26,670.00	38,83,321.60Cr

  
**PRINCIPAL**  
**AISSMS, COE, PUNE-1**



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Bank will never ask for such details

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A Project Report  
On

# Design and Manufacture of Onion Harvester system

Funded By

## Unnat Bharat Abhiyan (UBA)



Principal Investigator  
Prof. M S Swami

UBA Coordinator  
Dr. N N Shejwal

Principal AISSMS COE  
Dr. D S Bormane

All India Shri Shivaji Memorial Society's  
College of Engineering, Pune-1  
[2020-22]

**OFFICIAL PHOTOS**



**Principal Sir and Head of Department with Faculties**



**UBA officials Visit to Project Lab- Onion Harvester Machine.**

**ANNEXURE - III**

**A) 5<sup>th</sup> list of Technology Customization proposals recommended for release of UBA funds of Rs. 0.50 lakh**

<b>S.N</b>	<b>Name of Institutes</b>	<b>Title of project</b>	<b>Name of Subject Expert (SEG)</b>	<b>Amount to be released</b>
<b>1.</b>	NIT Manipur Langol Rd Lamphelpat Imphal, Manipur	Installation of Pumping units for existing low-cost water treatment plant	Water Resource Management.	<b>Rs. 0.45 Lakh</b>
<b>2</b>	Yagyavalkya Institute Of Technology, Jaipur, Rajasthan	Solar LED Street Light	Capacity Building, Strategy for Convergence and Implementation of Various Govt. Schemes	<b>Rs. 0.50 Lakh</b>
<b>3</b>	P.S.V.College Of Engineering And Technology, Elathagiri, Tamil Nadu	Rectifying the Poor condition of streets lights in Gollapatti Village	Rural Energy Systems	<b>Rs. 0.50 Lakh</b>
<b>4</b>	College Of Agriculture, Tikamgarh, Madhya Pradesh	Popularization of Beekeeping for Enhancing Rural Livelihood in Tikamgarh District	Capacity Building, Strategy for Convergence and Implementation of Various Govt. Schemes	<b>Rs. 0.50 Lakh</b>

*Singh Ram*



**B) 5<sup>th</sup> list of Technology Development proposals recommended for release of UBA funds of Rs. 1.00 lakh**

S.N	Name of Institutes	Title of project	Name of Subject Expert Groups	Amount to be released
1.	University Polytechnic, BIT, Mesra, Ranchi	Harnessing the Solar Energy in Extracting Essential Oil for Community Based Perfumery and Aromatherapy	Rural Energy Systems	Rs.1.00 lakh
2	Tamralipta Mahavidyalaya, East Medinipur, West Bengal	Installation of Napkin Vending Machine with incinerating system	Rural Infrastructure	Rs.0.50 lakh
3	Cauvery College For Women, Annamalai Nagar, Tiruchirappalli	Basic amenities for a sustainable rural development at malliampathu, andhanallur block, tirucirapalli district, Tamil Nadu, South India	Sanitation & Solid Waste Management	Rs. 99300/-
4	Shri Jagdish Prasad Jhabarmal Tibrewala University, Jhunjhunu Rajasthan	Aloe Vera Plantation	Sustainable Agriculture System	Rs.1.00 lakh
5	Central University of Hayana	Development of economic micronutrient and phosphorus fertilizer from biomass ash	Sustainable Agriculture System	Rs. 1.00 lakh
6	Government College of Engineering Nagpur, Maharashtra	Solar based electric supply system with backup for community hall	Rural Energy Systems	Rs. 0.50 lakh
7	St. Mary's College, Thrissur, Kerala	Biotechnological enhancement of flood affected soil microbiome by the employment of microbial consortium	Sustainable Agriculture System	Rs. 1.00 lakh
8	Rohini College of Engineering & Technology, Kanyakumari, Tamil Nadu	Development of Portable Biomass based Bio-methanation plant	Sanitation & Solid Waste Management	Rs.0.25 lakh
9	Central University of Gujarat	CETP-solid waste treatment and its conversion into biofertilizer	Sanitation & Solid Waste Management	Rs.0.80 lakh
10	Rohini College of Engineering & Technology, Kanyakumari, Tamil Nadu	Waste to Wealth - Producing NPK rich Bio-manure	Sustainable Agriculture System	Rs. 1.00 lakh
11	College Of Agriculture, Tikamgarh, Madhya Pradesh	Drying (Solar & Microwave) of Mahua (Madhuca indica) Flower for Value Addition and Rural Empowerment	Sustainable Agriculture System	Rs. 1.00 lakh
12	IISER Thiruvananthapuram, Kerala	Stand Alone Gravity Based Safe Drinking Water System	Water Resource Management	Rs.1.00 lakh

*Singh Arjun*

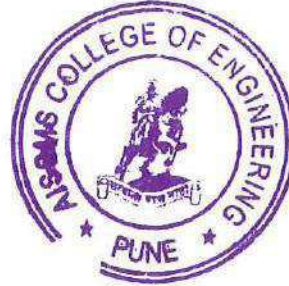
13	All India Shivaji Memorial Societys College of Engineering, Pune	Onion Harvesting Machine	Sustainable Agriculture System	Rs.1.00 lakh
14	Laxmi Institute of Technology, Valsad Gujarat	Grid-Connected Rooftop above Primary health centre building and street lighting through solar system	Rural Energy Systems	Rs. 0.50 lakh
15	North Eastern Regional Institute of Science and Technology, Papum Pare, Arunachal Pradesh.	Design and Development of Solar Operated Maize Shelter-A Novel Technology for Small and Marginal Farmers	Rural Energy Systems	Rs. 62,500/-
16	Bengal Institute of Technology and Management, Sriniketan, West Bengal	Hand Gloves For Visually Impaired	Capacity Building, Strategy for Convergence and Implementation of Various Govt. Schemes	Rs.0.50 lakh
17	Central University of Gujarat, Gandhinagar, Gujarat	Groundwater treatment and purification using solar distillation System in Kaka-nu-Tarapur village, Gujarat	Water Resource Management	Rs.0.50 lakh
18	Nshn College Of Management And Technology, Kolkata	Shiksha & Songsaar	Capacity Building, Strategy for Convergence and Implementation of Various Govt. Schemes	Rs.0.52 lakh
19	St. Thomas College, Arunapuram P.O., Pala-Kerala	Technology for organic farmers to producing potential biofertilizer using coir pith biomass associated with Plant Growth Promoting Endophytic Bacteria	Sustainable Agriculture System	Rs.1.00 lakh
20	North Eastern Regional Institute of Science and Technology Papum Pare Arunachal	Bamboo Shoots Processing for Enhance Tribal Livelihood in adopted village, Arunachal Pradesh	Sustainable Agriculture System, Indian	Rs.1.00 lakh

*Singh Roy*

Account Statement	
Account Name	ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY
Joint Holder Name	AISSMS'S COLLEGE OF ENGINEERING PROJECT A/C
Account Number	04510100017246
Currency Code	INR
Branch Name	SHIVAJI NAGAR, PUNE
IFSC Code	BARB0SHIPOO
From 01/04/20 to 31/08/20	

S.No	Date	Description	Cheque No.	Debit	Credit	Balance	Value Date
1	05/05/20	04510100017246:InL.Pd:01-02-2020 to 30-04-2020		-	24,050.00	31,18,484.60	30/04/20
2	05/06/20	NEFT-MAHBH20157490620-FAO		-	61,650.00	31,80,134.60	05/06/20
3	20/06/20	NEFT-SBIN320172761994-IRD IIT Delhi		-	100,000.00	32,80,134.60	20/06/20
4	10/07/20	MBK/019214539883/14:04:24/cash deposits against c		-	17,500.00	32,97,634.60	10/07/20
5	01/08/20	04510100017246:InL.Pd:01-05-2020 to 31-07-2020		-	22,888.00	33,20,522.60	31/07/20
6	27/08/20	NEFT-P20082779666710-NTA		-	1.00	33,20,523.60	27/08/20

  
PRINCIPAL  
AISSMS, COE, PUNE-1



**AIIE Institution of Engineers (India)**  
*Technical Department*  
**The Institution of Engineers (India) R&D Grant-in-aid Scheme**  
**PROJECT COMPLETION REPORT**

1. Project I.D.: RDPG2018009
2. Project Title: Tribological Performance Evaluation of Non-asbestos Organic Brake Pad Materials
3. Name of the Investigator: Dr. B. D. Bachchhav
  - a. E-mail: bdbachchhav@aissmscoe.com
  - b. Contact Address: Department of Mechanical Engineering, AISSMS College of Engineering, 1, Kennedy Road, Near RTO, Pune 411001
  - c. Mobile No: 9850172628
4. Name of the Institution of which Investigator is attached:  
All India Shri Shivaji Memorial Society's College of Engineering, Pune.
5. Name and Designation of the Guide /supervisor: Professor and HOD, Dept. of Mechanical Engineering
  - a. E-mail: bdbachchhav@aissmscoe.com
  - b. Mobile No: 9850172628
6. Name of the Director / Principal of the Institution: Dr. D. S. Bormane
7. Date of Release of R & D Grant: 10.01.2019
8. Date of Commencement of the Project: February 2019.
9. Amount of R & D Grant: Rs. 25,000/- (Rs. Twenty Five Thousands Only)
10. Date of Receipt of R & D Grant: 10.01.2019
11. How much work is yet to be completed with the reason of delay:
  - a. Percentage of work completed: 100 %
  - b. Amount utilized till date: Rs. 25,053/- (Rs. Twenty Five Thousands fifty three Only)
12. How much work is yet to be completed with the reason of delay:
  - a. Work yet to be completed with details: Work is completed
  - b. Reason for delay :
13. Probable date of completion of the project: Project Completed

The Institution of Engineers (India)  
Technical Department  
The Institution of Engineers (India) R&D Grant-in-aid Scheme  
**UTILISATION CERTIFICATE**

(To be submitted in duplicate)


**{FOR THE FINANCIAL YEAR -2019-20 (ENDING 31ST MARCH)}**


1. Project ID : R.5/2/PG/2018-19/RCPG2018009 [Permanent ID: PG2019008]
2. Title of the Project: Tribological Performance Evaluation of Non-asbestos Organic Brake Pad Materials
3. Name of the Institution: All India Shri Shivaji Memorial Society's College of Engineering, Pune.
4. Name of the Project Guide(PG): Dr. B. D. Barchekar

**UTILISATION CERTIFICATE**

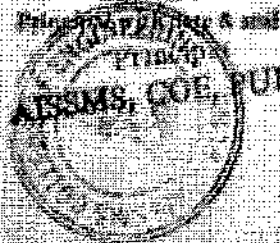
Certified that out of Rs. 25,000/- grants-in-aid sanctioned during the year January 2019 in favor of "Principal AISSMS College of Engineering, Pune" under (EO) Grant-in-aid scheme, Serial dated: 10.01.2019. A sum of Rs. 25,053/- has been utilized for the purpose of IC Project for which it was sanctioned and that the balance of Rs. 0/- remaining unutilized at the end of completion has been returned to IIE

Bank Cheque/DD No. \_\_\_\_\_ dated \_\_\_\_\_

  
Dr. B. D. Barchekar  
Signature of PG  
with date

  
Dr. D. S. Bannare  
Signature of Registrar/  
Director /

  
Mrs. S. S. Chaudhan  
Accounts Officer of the  
Institute with date & seal

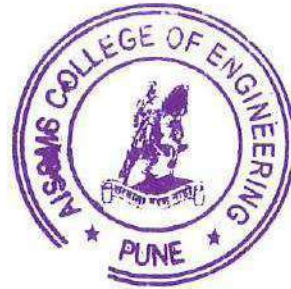


**FINANCE & ACCOUNTS OFFICER**  
AISSMS COLLEGE OF ENGINEERING PUNE

Account Statement	
Account Name	ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY
Joint Holder Name	AISSMS'S COLLEGE OF ENGINEERING PROJECT A/C
Account Number	04510100017246
Currency Code	INR
Branch Name	SHIVAJI NAGAR, PUNE
From 01/01/19 to 31/01/19	

S.No	Date	Description	Cheque No.	Debit	Credit	Balance	Value Date
1	10/01/19	NEFT-N010190187307386-THE INSTITUTION OF			25,000.00	10,54,324.00	10/01/19

  
PRINCIPAL  
AISSMS, COE, PUNE-1





# The Institution of Engineers (India)

AN ISO 9001: 2015 CERTIFIED ORGANISATION  
(ESTABLISHED 1920, INCORPORATED BY ROYAL CHARTER 1935)  
8 GOKHALE ROAD, KOLKATA - 700 020



*A Century of Service to the Nation*

Ref: R.4/2/UG/2019-20/UG2020044

Date: 20 December 2019

The Principal  
All India Shri Shivaji Memorial Society's College of Engineering  
No. 1, Kennedy Road,  
Near RTO Office Sangamvadi, Shivajinagar  
Pune 411001, Maharashtra

Dear Sir/Madam,

Sub: Intimation of Approval for R&D Project entitled: "*Wind Analysis of Canopy, Pitch-roof and Square Tall Building with Different Shape using Wind Tunnel and CFD*"

This has reference to your subject project proposal submitted to The Institution of Engineers (India) for funding under IEI R&D Grant-in-Aid Scheme.

We are pleased to inform that the same has been approved by the competent authority as per the details mentioned below:

Project ID:	UG2020044	Category:	UG	Financial Year:	2019-20
Guide(s):	1. Dr Suresh Ramraje Parekar 2. Prashant Deshmukh	Applicant(s):	1. Akanksha Bari 2. Namrata Hivrale		
College / Institute / University:	All India Shri Shivaji Memorial Society's College of Engineering	Total Grant Sanctioned:	₹20,000/-	Number of Instalment(s):	1


Kindly quote your project ID all your future correspondence.

Please note that the Terms & Conditions of the Grant (Copy enclosed) should be strictly followed. On successful completion of the project, the following documents are to be furnished: (1) hard and soft copy of the Project Report, (2) hard/soft copy of the Project Completion Report, (3) two hardcopies of the Utilization Certificates, (4) soft copy of the filled-in R&D Compendium pro-forma (in .doc/.docx format) and (5) an Audio/Visual Demonstration of the Prototype/Model/Process in CD or Google Drive File Link. The submission will be treated as successful and complete only on receipt of the above documents.

Kindly acknowledge receipt through email id [research@ieindia.org](mailto:research@ieindia.org).

Thanking you.

Yours faithfully,

  
(Dr N Sengupta)  
Director (Technical)  
For Secretary & Director General

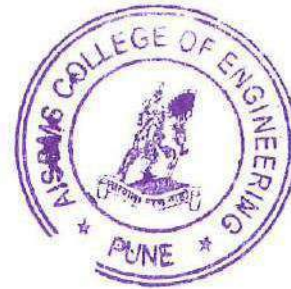
Encl: as stated.

cc: Guide(s) – 1. Dr Suresh Ramraje Parekar  
2. Prashant Deshmukh

Account Statement	
Account Name	ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY
Joint Holder Name	AISSMS'S COLLEGE OF ENGINEERING PROJECT A/C
Account Number	04510100017246
Currency Code	INR
Branch Name	SHIVAJI NAGAR, PUNE
IFSC Code	BARB0SHIPOO
From 01/01/20 to 31/01/20	

S.No	Date	Description	Cheque No.	Debit	Credit	Balance	Value Date
1	01/01/20	NEFT-N001201023314230-SAN PRINTS PVT LTD		-	5,517.40	29,10,958.60	01/01/20
2	09/01/20	NEFT-MAHBH20009006176-FAQ		-	42,050.00	29,53,008.60	09/01/20
3	14/01/20	NEFT-N013200352567243-THE INSTITUTION		-	20,000.00	29,73,008.60	13/01/20

  
 PRINCIPAL  
 AISSMS, COE, PUNE





Vendor GSTIN No :

Vendor PAN No. :

## TAX INVOICE

Original for Buyer

## Bill To :

ITC\_855:ITC\_855  
 Cummins Technologies India Pvt Ltd  
 India Technical Centre Division  
 Dahanukar Colony, Kothrud  
 Pune 411038, Maharashtra, India  
 GSTIN :27AAACC7258B1ZW

## Ship To:

IT1-LOC-ITC:IT1-LOC-ITC  
 Cummins Technologies India Pvt Ltd  
 India Technical Centre Division  
 Dahanukar Colony, Kothrud  
 Pune 411038, Maharashtra, India  
 GSTIN : 27AAACC7258B1ZW

## Deliver To:

Nelluri, Aparna  
 om888@cummins.com

Invoice Type: Sponsorship Services

Invoice No. : 002\_AISSMS

Date : 28-12-2019

Vendor Code: 485434

PO No. : IND6369492

PO Date : 20-12-2019

Mode : N/A

Vehicle No. : N/A

E-Way Bill No. : N/A

Sr. No	Description	SAC Code	Total Qty.	UOM	Currency	Rate	Total	Discount	Taxable Value	TDS %	TDS Deducted	GST	GST Value
1	SPONSORSHIP TO AISSMS, PUNE FOR SAE INDIA BAJA 2018	999599	1	each	Rupees (I.N.R.)	70,000	70,000	0	70,000	2.0	1428.6	-	-

Whether Tax is Payable on Reverse Charge : No

GST to be paid by Cummins Under "Sponsorship Services" falling under compulsory reverse charge notification.

Total GST Amount In Words: -

Total Invoice Amount in Words: Seventy- One Thousand Four Hundred Twenty Eight Rupees and Fifty Eight Paise Only.

Taxable Value :70,000

TDS Value: 1428.58

GST Value: -

Grand Total : ₹ 71,428.58/-

*(Signature)*  
 PRINCIPAL  
 AISSMS, COE, PUNE-1





# AISSMS COLLEGE OF ENGINEERING

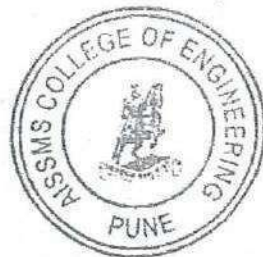


Approved by AICTE, New Delhi, Recognized by Govt of Maharashtra,  
 Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
 (Id No. PU/PN/Engg 2003 (1002), AIQHE Code No. G-41227  
 Accredited by NAAC with A+ Grade

**SHRI MALOJIRAJ CHHATRAPATI**  
 Honorary Secretary

**Dr. D. S. BORMANE**  
 Principal

Vendor GSTIN No : 27AAATA1675P1ZD						Vendor PAN No. : AAATA1675P							
<b>TAX INVOICE</b>													
<i>Original for P</i>													
<b>Bill To:</b> ITC_855, ITC_855 Cummins Technologies India Pvt Ltd India Technical Centre Division Dahanukar Colony, Kothrud Pune 411038, Maharashtra, India GSTIN : 27AAAC12018B1ZV				<b>Ship To:</b> ITC-LOC-ITC/IT1-LOC-ITC Cummins Technologies India Pvt Ltd India Technical Centre Division Dahanukar Colony, Kothrud Pune 411038, Maharashtra, India GSTIN : 27AAAC12018B1ZV				<b>Invoice Type: Sponsorship Service</b> Invoice No. : 002_AI55MS Date : 28-12-2019 Vendor Code: 485434 PO No. : INDG369492 PO Date : 20-12-2019 Mode : N/A Vehicle No. : N/A L-Way Bill No. : N/A					
<b>Deliver To:</b> Nelluri, Agarna em888@cummins.com													
Sr. No	Description	SAC Code	Total Qty.	UOM	Currency	Rate	Total	Discount	Taxable Value	TDS %	TDS Deducted	GST	GST Value
1	SPONSORSHIP TO AISSMS, PUNE FOR SAF INDIA SAJA 2018	999599	1	each	Rupees (I.N.R.)	70,000	70,000	0	70,000	2.0	1428.6	-	-
Whether Tax is Payable on Reverse Charge : No										Taxable Value : 70,000			
GST to be paid by Cummins Under "Sponsorship Services" falling under compulsory reverse charge notification.										TDS Value: 1428.58			
Total GST Amount In Words: -										GST Value: -			
Total Invoice Amount in Words: Seventy- One Thousand Four Hundred Twenty Eight Rupees and Fifty Eight Paise Only.										Grand Total : ₹ 71,428.58/-			



*[Handwritten Signature]*  
 AISSMS COLLEGE OF ENGINEERING PUNE  
 S.P. Impeller

Account Statement

Account Name	ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY
Joint Holder Name	AISSMS COLLEGE OF ENGINEERING ME
Joint Holder Name	AISSMSS COLLEGE OF ENGINEERING SCHOLARSHIP ACCOUNT
Joint Holder Name	AISSMS S COLLEGE OF ENGINEERING PROJECT ACCOUNT
Account Number	04510100017274
Currency Code	INR
Branch Name	SHIVAJI NAGAR, PUNE
IFSC Code	BAR80SHIPOO

S.No	Date	Description	Cheque No.	Debit	Credit	Balance	Value Date
1	02/03/20	NIRANJAN REDDY	6755	2,250.00	-	35,54,624.22	02/03/20
2	02/03/20	EBANK:129786331/L1702_AICTE/TECHPROCESS		165,023.60	-	33,89,600.62	02/03/20
3	02/03/20	AISSM SSPM-SHIPOO	6873	400.00	-	33,89,200.62	02/03/20
4	03/03/20	NEFT-BARBQ20063054090-RIYA		474,810.00	-	29,14,390.62	03/03/20
5	04/03/20	EBANK:17244 - 17274		-	12,000,000.00	1,49,14,390.62	04/03/20
6	04/03/20	THE NEW INDIA ASSURANCE C	6855	3,391.00	-	1,49,10,999.62	04/03/20
7	04/03/20	MANGAL HEMANT DHEND-SHIPOO	6883	15,000.00	-	1,48,95,999.62	04/03/20
8	04/03/20	Charges for PORD Customer Payment		2.65	-	1,48,95,996.97	04/03/20
9	04/03/20	NEFT-BARBR20064993327-KUCHERIYA SHRENIK		8,900.00	-	1,48,87,196.97	04/03/20
10	05/03/20	ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY		-	4,600,000.00	1,96,87,196.97	05/03/20
11	05/03/20	SALARY-SHIPOO-SHIPOO-SHIPOO-SHIPOO-SHIP	6890	2,461,638.00	-	1,72,25,558.97	05/03/20
12	05/03/20	By Salary February- 2020		-	4,136.00	1,72,29,694.97	05/03/20
13	05/03/20	SALARY-SHIPOO-SHIPOO-SHIPOO-SHIPOO-SHIP	6892	10,724,586.00	-	65,05,108.97	05/03/20
14	05/03/20	By Salary February -2020		-	38,075.00	65,43,181.97	05/03/20
15	05/03/20	NEFT-BARBS20065683072-INFINITY		6,555.00	-	65,36,626.97	05/03/20
16	05/03/20	NEFT-BARBS20065687520-JAGDAMBA		26,068.00	-	65,10,558.97	05/03/20
17	05/03/20	NEFT-BARBS20065688197-FORTIUS FACILITIES		759,665.00	-	57,50,893.97	05/03/20
18	05/03/20	Charges for PORD Customer Payment		2.65	-	57,50,891.32	05/03/20
19	05/03/20	NEFT-BARBS20065735118-VINAY GADIKAR-HDFC	6891	1,000.00	-	57,49,891.32	05/03/20
20	05/03/20	Charges for PORD Customer Payment		2.65	-	57,49,888.67	05/03/20
21	05/03/20	NEFT-BARBS20065744094-RAJENDRA G		1,500.00	-	57,48,388.67	05/03/20
22	06/03/20	SELF	6901	19,234.00	-	57,29,154.67	06/03/20
23	06/03/20	Y/S 01/22064-SHIPOO	6890	4,000.00	-	57,25,154.67	06/03/20
24	06/03/20	EBANK:17274-17244		2,000,000.00	-	37,25,154.67	06/03/20
25	06/03/20	AKSHAY TRANSPORT	6894	12,500.00	-	37,12,654.67	06/03/20
26	06/03/20	S D KURALKAR	6869	12,150.00	-	37,00,504.67	06/03/20
27	06/03/20	SSPMS CO-OP. CR SOC.-SHIPOO	6898	274,453.00	-	34,26,051.67	06/03/20
28	06/03/20	SSPMS CO-OP. CR SOC.-SHIPOO	6894	736,194.00	-	26,89,857.67	06/03/20
29	07/03/20	Charges for PORD Customer Payment		5.60	-	26,89,852.07	07/03/20
30	07/03/20	NEFT-BARBT20067958324-PATIL SAKET	6900	90,000.00	-	25,99,852.07	07/03/20
31	07/03/20	CBOT GBM125635	6891	96,960.00	-	25,02,892.07	07/03/20
32	07/03/20	PUNE DISTRICT CRICKET ASS	6874	38,816.00	-	24,64,076.07	07/03/20
33	07/03/20	NEFT-BARBU20067220179-RELIABLE PEST		190,160.00	-	23,05,906.07	07/03/20
34	07/03/20	CBOT GBM128171	6864	854,250.00	-	14,51,656.07	07/03/20
35	11/03/20	EBANK:130377274/101202007189204653/BOB IPG		5,000.00	-	14,46,656.07	11/03/20
36	11/03/20	EBANK:130378551/SBSC8609335770/BILLDESK		877,190.00	-	5,69,466.07	11/03/20
37	11/03/20	EBANK:17244-17274		-	500,000.00	10,69,466.07	11/03/20
38	11/03/20	NEFT-BARBW20071087087-FORTIUS FACILITIES		133,483.00	-	9,35,983.07	11/03/20
39	11/03/20	NEFT-BARBW20071089254-FORTIUS FACILITIES		138,739.00	-	7,99,244.07	11/03/20
40	12/03/20	EBANK:17244-17274		-	3,000,000.00	37,99,244.07	12/03/20
41	12/03/20	EBANK/VALLABH - 182		1,976,205.00	-	18,23,039.07	12/03/20

S.No	Date	Description	Cheque No.	Debit	Credit	Balance	Value Date
				6,507.00	-	18,16,532.07	12/03/20
42	12/03/20	EBANK VARAD - 053		34,917.00	-	17,81,615.07	12/03/20
43	12/03/20	EBANK VARAD - 089		8,975.00	-	17,72,640.07	12/03/20
44	12/03/20	EBANK BALAJI - 080		1,006,850.00	-	7,65,984.07	12/03/20
45	12/03/20	EBANK BALAJI - 078		9,020.00	-	7,56,964.07	12/03/20
46	12/03/20	NEFT-BARBW20072658926-RENU		62,127.00	-	6,94,837.07	12/03/20
47	12/03/20	NEFT-BARBW20072659737-RENU		5.00	-	6,94,831.47	12/03/20
48	12/03/20	Charges for PORD Customer Payment		48,222.00	-	6,46,609.47	12/03/20
49	12/03/20	NEFT-BARBW20072705954-DURGESH VIVEK	6899	5.60	-	6,46,603.87	12/03/20
50	12/03/20	Charges for PORD Customer Payment		82,350.00	-	5,64,253.87	12/03/20
51	12/03/20	NEFT-BARBW20072706583-MUZAMMIL NISAR	6878	26,597.00	-	5,37,656.87	12/03/20
52	12/03/20	NEFT-BARBW20072735706-SAMRUDDHI		3,180.00	-	5,34,476.87	12/03/20
53	12/03/20	NEFT-BARBW20072735735-R P MUTHA AND		5,000.00	-	5,29,476.87	12/03/20
54	12/03/20	AISSMS-SHIPOO	6898	-	62,350.00	6,11,826.87	12/03/20
55	12/03/20	RTN-NEFT-BARBW20072706589-ALL INDIA SHRI		3,870.00	-	6,07,956.87	13/03/20
56	13/03/20	LIFE INSURANCE CORPORATIO	6895	1,600.00	-	6,06,356.87	13/03/20
57	13/03/20	LIFE INSURANCE CORPORATIO	6899	2.65	-	6,06,348.22	13/03/20
58	13/03/20	Charges for PORD Customer Payment		1,000.00	-	6,04,748.22	13/03/20
59	13/03/20	NEFT-BARBX20073306033-SAMEER SATHE-HDFC	6677	37,400.00	-	6,67,348.22	17/03/20
60	17/03/20	KOMAL S SHINDE	6871	-	69,098.58	6,37,340.80	19/03/20
61	19/03/20	NEFT-SIN0545100203391-MIS CUMMINS		26,940.00	-	6,10,400.80	31/03/20
62	31/03/20	TRANSACTION CHARGES -SB		-	-	-	-

  
**PRINCIPAL**  
**AISSMS, COE PUNE-1**



Account Statement	
Account Name	ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY
Joint Holder Name	AISSMS COLLEGE OF ENGINEERING ME
Joint Holder Name	AISSMSS COLLEGE OF ENGINEERING SCHOLARSHIP ACCOUNT
Joint Holder Name	AISSMS'S COLLEGE OF ENGINEERING PROJECT A/C
Account Number	04510100017274
Currency Code	INR
Branch Name	SHIVAJI NAGAR, PUNE
From 01/02/19 to 24/03/19	

S.No	Date	Description	Cheque No.	Debit	Credit	Balance	Value Date
1	01/02/19	ARUN KESHAORAO CHOFANE-SHIPOO	5139	6,000.00	-	2,17,919.79	01/02/19
2	01/02/19	ALL INDIA SHRI SHIVAJI MEMORIAL COE	231	99,845.00	-	1,18,374.79	01/02/19
3	01/02/19	ALL INDIA SHRI SHIVAJI MEMORIAL			2,504,423.00	26,22,797.79	01/02/19
4	01/02/19	PRAKASH BABURAO NANGARE WADKAR	6126	22,630.00	-	25,99,917.79	01/02/19
5	01/02/19	SONAWANE VISHNU YALLAPA-SHIPOO	6125	2,965.00	-	25,96,952.79	01/02/19
6	01/02/19	DEEPAI MILIND UJALAMBKAR-SHIPOO	6138	70,000.00	-	25,26,952.79	01/02/19
7	01/02/19	EBANK:17244-17274			5,000,000.00	75,26,952.79	01/02/19
8	01/02/19	EBANK:17244-17274			6,000,000.00	1,35,26,952.79	01/02/19
9	01/02/19	EBANK:17244-17274			7,000,000.00	2,05,26,952.79	01/02/19
10	02/02/19	SALARY-SHIPOO-SHIPOO-SHIPOO-SHIPOO-SHIP	6146	2,185,840.00	-	1,83,41,112.79	02/02/19
11	02/02/19	SALARY-SHIPOO-SHIPOO-SHIPOO-SHIPOO-SHIP	6140	11,978,302.00	-	72,62,810.79	02/02/19
12	04/02/19	NEFT-BARBP19035289546-MERIT		21,411.00	-	72,41,399.79	04/02/19
13	04/02/19	BANK OF BARODA TAX AC-SHIPOO	6124	1,217.00	-	72,40,182.79	04/02/19
14	04/02/19	BANK OF BARODA TAX AC-SHIPOO	6122	850.00	-	72,39,332.79	04/02/19
15	04/02/19	TO TRANSFER-SHIPOO-SHIPOO	6137	25,000.00	-	72,14,332.79	04/02/19
16	04/02/19	BANK OF BARODA TAX AC-SHIPOO	6120	414.00	-	72,13,918.79	04/02/19
17	04/02/19	SAI SAMARTH CONSTRUCTION	6111	12,671.00	-	72,01,247.79	04/02/19
18	04/02/19	RUDRA ENTERPRISES	6109	4,546.00	-	71,96,701.79	04/02/19
19	04/02/19	DGP ENTERPRISES	6105	122,289.00	-	70,74,412.79	04/02/19
20	04/02/19	Y/S 3931016137, 419701/7721,	6185	63,997.00	-	69,90,415.79	04/02/19
21	04/02/19	Y/S SHARADCHANDRA TUKARAM	6154	74,146.00	-	69,16,269.79	04/02/19
22	04/02/19	NEFT-BARBP19035533048-ANIKET		52,385.00	-	68,63,884.79	04/02/19
23	04/02/19	ALL INDIA SHRI SHIVAJI MEMORIAL	6150	615,045.00	-	62,48,839.79	04/02/19
24	04/02/19	ALL INDIA SHRI SHIVAJI MEMORIAL	6144	276,283.00	-	59,72,556.79	04/02/19
25	05/02/19	EBANK:10491413-UPBDC7183222053/BILLDESK		1,185,060.00	-	47,87,496.79	05/02/19
26	05/02/19	NEFT-BARBP19036059323-ANIKET		8,364.00	-	47,79,112.79	05/02/19
27	05/02/19	NEFT-BARBP19036962835-R K		14,490.00	-	47,64,622.79	05/02/19
28	05/02/19	BSNL	6132	1,274.00	-	47,63,348.79	05/02/19
29	05/02/19	MAX POWERTRON	6054	126,996.00	-	46,34,352.79	05/02/19
30	05/02/19	MAHARASHTRA SALES AND SER	5957	167,685.00	-	44,66,667.79	05/02/19
31	05/02/19	NEFT-BARBP1903606204-R K		35,704.00	-	44,27,963.79	05/02/19
32	05/02/19	EBANK:10496046202029760502201905543CIN:123		12,034.00	-	44,15,929.79	05/02/19
33	06/02/19	04510100017274-INT.PG.01-11-2018 to 31-01-2019			63,767.00	44,79,646.79	31/01/19
34	06/02/19	LASER ARTS PRO SUHAS SA	6078	12,292.00	-	44,67,354.79	06/02/19
35	06/02/19	CHOUDHARY GANGARAM BABULA	6156	14,700.00	-	44,52,654.79	06/02/19
36	06/02/19	LASER ARTS PRO SUHAS SA	6076	36,770.00	-	44,13,884.79	06/02/19
37	06/02/19	OCEANIC ENTERPRISES	5969	2,540.00	-	44,11,335.79	06/02/19
38	06/02/19	NEFT-BARBP19037571640-TRIMURTI		30,609.00	-	43,80,726.79	06/02/19
39	06/02/19	NEFT-BARBP19037571979-TRIMURTI		59,800.00	-	43,21,926.79	06/02/19
40	06/02/19	RTGS-BARB201902069037554819-TRIMURTI		1,684,587.00	-	26,33,359.79	06/02/19
41	07/02/19	NEFT-BARBR19038000026-ARJUN GARG-I.C.I.C.I.	6136	225,000.00	-	24,08,359.79	07/02/19

S.No	Date	Description	Cheque No.	Debit	Credit	Balance	Value Date
42	07/02/19	NEFT-BARBR19038015229-SWAPNEEL S	6113	1,500.00	-	24,06,859.79	07/02/19
43	07/02/19	NEFT-BARBR19038016961-MR SHRDUL S	6133	1,500.00	-	24,05,359.79	07/02/19
44	07/02/19	NEFT-BARBR19038090562-ROHIT A		1,500.00	-	24,03,859.79	07/02/19
45	07/02/19	LIFE INSURANCE CORPORATIO	6145	1,800.00	-	24,02,059.79	07/02/19
46	07/02/19	LIFE INSURANCE CORPORATIO	6152	4,080.00	-	23,97,979.79	07/02/19
47	07/02/19	MAHALAXMI SERVICES	6033	13,720.00	-	23,84,279.79	07/02/19
48	07/02/19	RKENTERPRISES	5972	6,490.00	-	23,77,789.79	07/02/19
49	07/02/19	RKENTERPRISES	5971	117,374.00	-	22,60,415.79	07/02/19
50	07/02/19	AISSMS SOCIETY-SHIPOO	6153	1,462.00	-	22,58,953.79	07/02/19
51	07/02/19	AISSMS SOCIETY-SHIPOO	6142	32,600.00	-	22,26,353.79	07/02/19
52	07/02/19	DEEPAK VITTHAL NIGHOT-SHIPOO	6157	40,000.00	-	21,86,353.79	07/02/19
53	07/02/19	ALL INDIA SHRI SHIVAJI MEMORIAL	6143	786,581.00	-	13,99,772.79	07/02/19
54	07/02/19	AISSMS SOCIETY-SHIPOO	6148	20,975.00	-	13,78,797.79	07/02/19
55	07/02/19	AISSMS SOCIETY-SHIPOO	6151	734.00	-	13,78,063.79	07/02/19
56	07/02/19	AISSMS SOCIETY-SHIPOO	6149	428,984.00	-	9,49,079.79	07/02/19
57	07/02/19	TO YOURSELF INCOME TAX BOB AC-SHIPOO	6141	690,528.00	-	2,57,570.79	07/02/19
58	07/02/19	TO YOURSELF INCOME TAX BOB AC-SHIPOO	6147	44,245.00	-	2,13,325.79	07/02/19
59	08/02/19	EBANK:17244-17274			3,000,000.00	32,13,325.79	08/02/19
60	08/02/19	RTGS-BARB201902089039805659-RAJ		262,809.00	-	29,50,516.79	08/02/19
61	08/02/19	A SQUARE ENTERPRISES	6096	130,936.00	-	28,19,580.79	08/02/19
62	08/02/19	A SQUARE ENTERPRISES	6092	877.00	-	28,18,703.79	08/02/19
63	08/02/19	INFINITY ENGINEERING	5978	41,491.00	-	27,77,212.79	08/02/19
64	08/02/19	INFINITY ENGINEERING	5974	16,468.00	-	27,60,744.79	08/02/19
65	08/02/19	A SQUARE ENTERPRISES	6099	5,250.00	-	27,55,494.79	08/02/19
66	08/02/19	PRANAY SOUND AND ELECTRICAL	6031	37,240.00	-	27,18,254.79	08/02/19
67	08/02/19	0	6041	17,641.00	-	26,99,613.79	08/02/19
68	08/02/19	EBANK:10519189841702_AICTE/TECHPROCESS		100,023.60	-	25,99,590.19	08/02/19
69	08/02/19	DD-SHIPOO-SHIPOO-SHIPOO	6131	4,992.00	-	25,94,598.19	08/02/19
70	08/02/19	DASHRATH VITTHAL KALYANIKAR-SHIPOO	6162	16,548.00	-	25,77,050.19	08/02/19
71	11/02/19	RESEARCHCO BOOKS AND PERI	6092	257,954.00	-	23,19,096.19	11/02/19
72	11/02/19	RESEARCHCO BOOKS AND PERI	6027	60,112.00	-	22,58,984.19	11/02/19
73	11/02/19	RESEARCHCO BOOKS AND PERI	5982	22,799.00	-	22,36,185.19	11/02/19
74	11/02/19	RESEARCHCO BOOKS AND PERI	5981	54,947.00	-	21,81,238.19	11/02/19
75	11/02/19	RESEARCHCO BOOKS AND PERI	6028	162,270.00	-	20,18,968.19	11/02/19
76	11/02/19	RESEARCHCO BOOKS AND PERI	6038	9,947.00	-	20,09,021.19	11/02/19
77	11/02/19	THE NEW INDIA ASSURANCE C	6117	3,478.00	-	20,05,543.19	11/02/19
78	11/02/19	RESEARCHCO BOOKS AND PERI	5993	48,690.00	-	19,56,853.19	11/02/19
79	11/02/19	TO KARALE AND SHEWALE-SHIPOO-SHIPOO	6115	40,000.00	-	19,16,853.19	11/02/19
80	12/02/19	NEFT-BARBS19043990702-S L PAWAR-BANK OF		15,805.00	-	19,01,048.19	12/02/19
81	12/02/19	NEFT-BARBT19043189261-DIVINE		58,950.00	-	18,42,098.19	12/02/19
82	13/02/19	PURANDHARPUBLICITYPV	6070	334,755.00	-	15,07,343.19	13/02/19
83	14/02/19	NEFT-NO45190751449784-CUMMINS INDIA LTD			69,569.58	15,76,912.77	14/02/19
84	14/02/19	PUNE CRICKET ACADEMY	6158	33,600.00	-	15,43,312.77	14/02/19

  
**PRINCIPAL**  
**AISSMS, COE, PUNE-I**



**FORMAT**  
for  
**Annual Progress Report for AICTE funded project under  
Modernization and Removal of Obsolescence (MODROBS-ASP)**

**File No.** : F. No. 9-87/IDC/MOD- ASP/ Policy-1/2021-22  
(As mentioned in sanction letter)

**Date of Sanction:** : 04.03.2022

**Subject Area:** Metallurgy

1. Project Coordinator (Name and address) : Dr. Bhanudas D. Bachehhav  
Department of Mechanical Engineering  
All India Shei Shivaji Memorial Society's  
College of Engineering, Pune -411 001.
2. Project Title: : Modernisation of Tribology Laboratory for  
Performance Evaluation of Nano/Bio  
Lubricants
3. Date of Commencement of the Project : 04/03/2022
4. Duration of the Project : 02 years
5. Amount Sanctioned by AICTE : Rs. 16,98,500/-
6. Amount Released by AICTE : Rs. 13,58,800/-
7. Details of Expenditure :

**A. NON-RECURRING**

S. No.	List of Equipment Procured	Cost (Rs.)
1	Four Ball Tester (TR 30 Series) as per ASTM D2783, D2596, D2266, D4172, & D5183	9,37,700/-
2	Digital Image Acquisition System	3,24,500/-
3	Automated Loading Arrangement Upto 1000N Load	3,24,500/-
4	KRL Shear Stability Attachment	4,13,000/-
<b>Total amount utilized</b>		<b>19,99,700/-</b>
Amount receivable from AICTE under Non-Recurring for 2022-23		<b>2,88,745/-</b>

## B. Recurring (Service charges etc.)

S. No.	Items	Cost (Rs.)
1	ASTM standard Test Balls	1,00,300/-
2	Oil sample testing Spike Services and other consumables (*As per list attached)	29,622/-
<b>Total amount utilized till date under Recurring</b>		<b>1,29,922/-</b>
<b>Amount receivable from AICTE</b>		<b>50,955/-</b>

**Gross Total (A and B): Rs. 19,99,700+ 1,29,922 = Rs. 21,29,622/-**

8. Whether there is any Deviation from the Purpose for which: No Grant was released. If so, Details of Amount to be Given
9. Has this Programme Augmented the Facilities of your Institute/ Department. (If so, please describe in 100 words)

Certainly. To address the requirements of faculty members, postgraduate students, research scholars, practicing engineers from the industry, and lubricant manufacturers, a dedicated "Tribology Lab" has been established within the Department of Mechanical Engineering at AISSMS College of Engineering, Pune. The lab's capabilities have been enhanced through the incorporation of specialized equipment, including the Four Ball Tester with image acquisition system and the KRL Shear Stability attachment. These additions have significantly bolstered the Tribology facilities within the realm of Mechanical Engineering.

The establishment of this lab holds the potential for fostering international collaborative research initiatives. The outcomes of research endeavors undertaken within this facility are anticipated to contribute to prominent international journals renowned for their focus on materials and tribology.

10. Academic Application of the Equipment Procured, if any:

The Four Ball Tester is a crucial piece of equipment with practical applications that hold value both in academic and industrial contexts. The Four Ball Tester allows UG/PG students/research scholars to investigate the friction, wear, and lubrication properties of bio and nano-lubricants. This provides valuable insights into lubricants behavior under different conditions, enabling the development of theories and models related to tribology. Four Ball Tester can be used to conduct controlled experiments, helping students and researchers gain hands-on experience in tribological testing methodologies. The equipment can be used to demonstrate fundamental concepts of tribology in lectures and laboratory sessions also during faculty development programs and workshops. This promotes a deeper understanding of friction, lubrication, and wear phenomena.



The Four Ball Tester assists in the formulation and testing of new lubricant compositions. Industries can evaluate the effectiveness of different formulations and optimize lubricant properties to enhance machinery performance and durability. Industries can benefit from reduced maintenance costs and improved efficiency by selecting the most appropriate lubricants based on Four Ball Tester results. This leads to longer equipment lifetimes and fewer downtimes.

Further, PG and PhD scholars who are pursuing their research in materials will be also get benefitted with these created facilities.

In both academic and industrial settings, the Four Ball Tester contributes significantly to advancing the understanding of tribology and optimizing the performance of materials, lubricants, and mechanical systems.

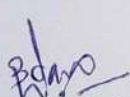
Following Journal papers of international repute are published based on the research work carried out under this scheme with due acknowledgement to All India Council for Technical Education (AICTE), New Delhi for providing financial support under the Modernization and Removal of Obsolescence Aspirational (MODROB-ASP) scheme.:

Papers Published:


- 1) Sirsath, K.G. and Bachchhav, B.D. (2023), "Tribo-mechanical characterization of Cu-Cr-Zr ternary alloy aimed at fin-tube resistance welding electrode material", Industrial Lubrication and Tribology, <https://doi.org/10.1108/ILT-04-2023-0092>.
- 2) Bachchhav, B.D., Gadakh, V.S. (2023), "Relative Tool Wear and Metal Removal Studies in Electric Discharge Machining of AISI D2 Die Steel Using Cu-Cr-Zr, Cu-Cd, and Cu-Be Electrode Materials". J. of Materi Eng and Perform. <https://doi.org/10.1007/s11665-023-08264-y>.

Papers accepted for publication:

- 1) Bhanudas Bachchhav, Yash Anecha, Balraj Waghmare, (2023), "Tribological Performance Evaluation of TMPTO based Nano-Lubricants" Journal of Manufacturing Engineering,

  
Dr. Bhanudas D. Bachchhav  
Project Coordinator  
(Signature and Seal with date)



  
Dr. D. S. Bormane  
Principal  
(Signature and Seal with date)

**AISSMSS COE, PUNE-1.  
MECHANICAL ENGG. DPTT.**

**FORMAT  
for  
UTILIZATION CERTIFICATE**

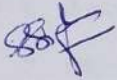
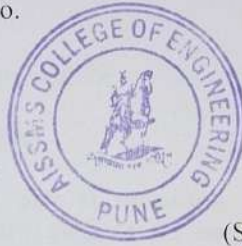
Sanction Letter No.: F. No. 9-87/IDC/MOD- ASP/ Policy-1/2021-22

Date: 04.03.2022

**A. NON-RECURRING**

Sl. No.	Name of the Equipment Procured	Amount Sanctioned (Rs.)	Amount Utilized (Item wise) (Rs.)	Unspent Balance
1	Four Ball Tester (TR 30 Series) as per ASTM D2783, D2596, D2266, D4172, & D5183	14,43,725/-	9,37,700/-	Nil
2	Digital Image Acquisition System		3,24,500/-	
3	Automated Loading Arrangement Upto 1000N Load		3,24,500/-	
4	KRL Shear Stability Attachment		4,13,000/-	
	<b>Total amount (Rs.)</b>	14,43,725/-	19,99,700/-	Nil

Certified that the grant has been utilized for the purpose for which it was sanctioned in accordance with the "Terms and Conditions" attached to the grant. If, as a result of check or audit objection some irregularity is noticed at a later stage, action will be taken to refund, adjust or regularize the amount objected to.


Dr. D S Bormane

**Principal**

(Signature and Seal with date)


**FINANCE OFFICER**  
Finance Officer  
(Signature and Seal with date)

**All India Shri Shivaji Memorial Society's College of Engineering  
1, Kennedy Road, Near R. T. O., Pune 411 001. Maharashtra, India.  
Name and Address of the University/ Institution**

**Note:** The Utilization Certificate (UC) will be signed by the Registrar/ Finance Officer in the case of Universities, Principals in the case of Colleges and Executive Heads of other Institutions. The Provisional UC may be countersigned by the internal auditors wherever the system of the internal audit exists. In case of the Self Financing/ Private Institutions, UC has to be signed by a Chartered Accountant.

\*This is to be submitted for every financial year.

**FOR R. P. MUTHA & ASSOCIATES  
CHARTERED ACCOUNTANTS**

  
**RAKESH P. MUTHA**

PARTNER

M. NO. 118465 19 DEC 2023

UDIN<sup>o</sup>-23118465BGXKFH7499.

**FORMAT**  
**for**  
**PROJECT COMPLETION REPORT FOR MODROBS PROGRAMME**

**File No.** : F. No. 9-87/ IDC/MOD- ASP/Policy -I/2021 -22  
(As mentioned in sanction letter)

**Date of Sanction:** 04.03.2022

**Subject Area:** Tribology

1. Project Coordinator (Name and address) : Dr. Bhanudas Bachchhav  
All India Shri Shivaji Memorial Society's College of Engineering, 1, Kennedy Road, Near RTO, Pune 411001, Maharashtra.
2. Project Title : "Modernization of Tribology Laboratory for Performance Evaluation of Nano/Bio Lubricants"
3. Date of Commencement of the Project : 04/03/2022
4. Duration of the Project : 2 years
5. Date of Completion : Sept. 2023
6. Amount Sanctioned by AICTE : Rs. 16,98,500/-
7. Objectives of the Project :

Nano/bio lubricants present numerous advantages; however, their effectiveness depends on the distinct composition, usage, and operational circumstances. Thus, it is imperative to subject them to thorough assessment in accordance with ASTM standards (such as ASTM D2783, ASTM D2596, ASTM D2266, ASTM D4172, ASTM D5183) to ascertain their appropriateness within specific industrial contexts. Moreover, leveraging insights from experts and engaging with lubricant manufacturers can offer invaluable assistance in choosing the most fitting nano/bio lubricant for a given industrial environment. The core aim of this project revolves around appraising the performance of Nano/Bio Lubricants and gauging their viability for industrial usage. This facility is poised to primarily function as an experimental hub catering to needs of UG/PG students, research scholars from various institutes and industry professionals engaged in this domain.

8. Details of Expenditure

A. NON-RECURRING

S. No.	List of Equipment Procured	Cost (Rs.)
1	Four Ball Tester (TR 30 Series) as per ASTM D2783, D2596, D2266, D4172, & D5183	9,37,700/-
2	Digital Image Acquisition System	3,24,500/-
3	Automated Loading Arrangement Upto 1000N Load	3,24,500/-
4	KRL Shear Stability Attachment	4,13,000/-
<b>Total amount (Rs.)</b>		<b>19,99,700/-</b>

9. Future Plans for Utilizing the Equipment: and/ or Facilities Created.

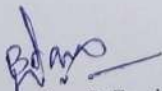
We extend our sincere gratitude to AICTE for granting approval to our proposal. The equipment secured through the MODROBS-ASP scheme will be instrumental in conducting comprehensive performance assessments of Nano and Bio Lubricants.

These equipment additions stand as valuable assets for the department, earmarked to benefit undergraduate, postgraduate, and doctoral students across various programs within the Institute, including Mechanical Engineering, PG Design Engineering, and Automation & Robotics. Furthermore, in the coming times, there is a potential to extend the utilization of these equipment to aid students from parent as well as neighboring institutes in their research endeavors, specifically for lubricant testing and characterization. This modern facility has broadened the scope of research activities for faculty members. All such activities will be carried out in strict accordance with the guidelines and norms outlined by AICTE.

10. Whether There is Any Deviation from the Purposes for which:

Grant was released. If so Details of Deviations to be Given.

No. there is no deviation from the purpose for which the Grant was released. The allocation has been strictly adhered to for its designated use.



Dr. Bhanudas D Bachechhav  
Project Coordinator  
(Signature and Seal with date)




Dr. D S Bormane  
Principal  
(Signature and Seal with date)  
AISSMS COE, PUNE.

**AISSMS COE, PUNE-1.**  
**MECHANICAL ENGG. DPTT.**



# AISSMS

## COLLEGE OF ENGINEERING



Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
 Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
 (Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227  
 Accredited by NAAC with A+ Grade

**SHRI MALOJIRAJE CHHATRAPATI**  
 Honorary Secretary


**Dr. D. S. BORMANE**  
 Principal

### ANNEXURE – IX


### AUDITED UTILISATION CERTIFICATE

Certified that out of Rs. 13,58, 800/- (first installment of total sanctioned grant –in-aid Rs. 16, 98,500/-) of Grant- in – aid sanctioned during the year 2021-22 Letter No. F. No. 9-87/ IDC/MOD-ASP/ Policy-1/2021-22 dated 04.03.2022, Rs. 19,99,700/- (Non-Recurring) and Rs. 1,29,922/-(Recurring) has been utilized for the purpose of MODROBS for which it was sanctioned and the balance remaining unutilized amount at the end of the year will be adjusted towards the Grants – in – aid payable during the next year i.e., 2022-23 as per the details attached.

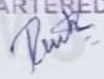
Certified that the grant has been utilized as per laid down terms and conditions for which it was sanctioned.

  
**Finance Officer**  
 (Signature and Seal with date)  
 AISSMS COLLEGE OF ENGINEERING PUNE



  
**Dr. D S BORMANE**  
**Principal**  
 (Signature and Seal with date)  
 AISSMS COE, PUNE.

FOR R. P. MUTHA & ASSOCIATES  
 CHARTERED ACCOUNTANTS

  
**RAKESH P. MUTHA**  
**PARTNER**  
**M. NO. 118465**  
**UDIN e-237784653GXKF17499.**  
**Chartered Accountant**  
 (Signature and Seal with date)

