

Academic Year-2017-2018

5. Design Fabrication and Performance Analysis of Ejector Enhanced window Air conditioner

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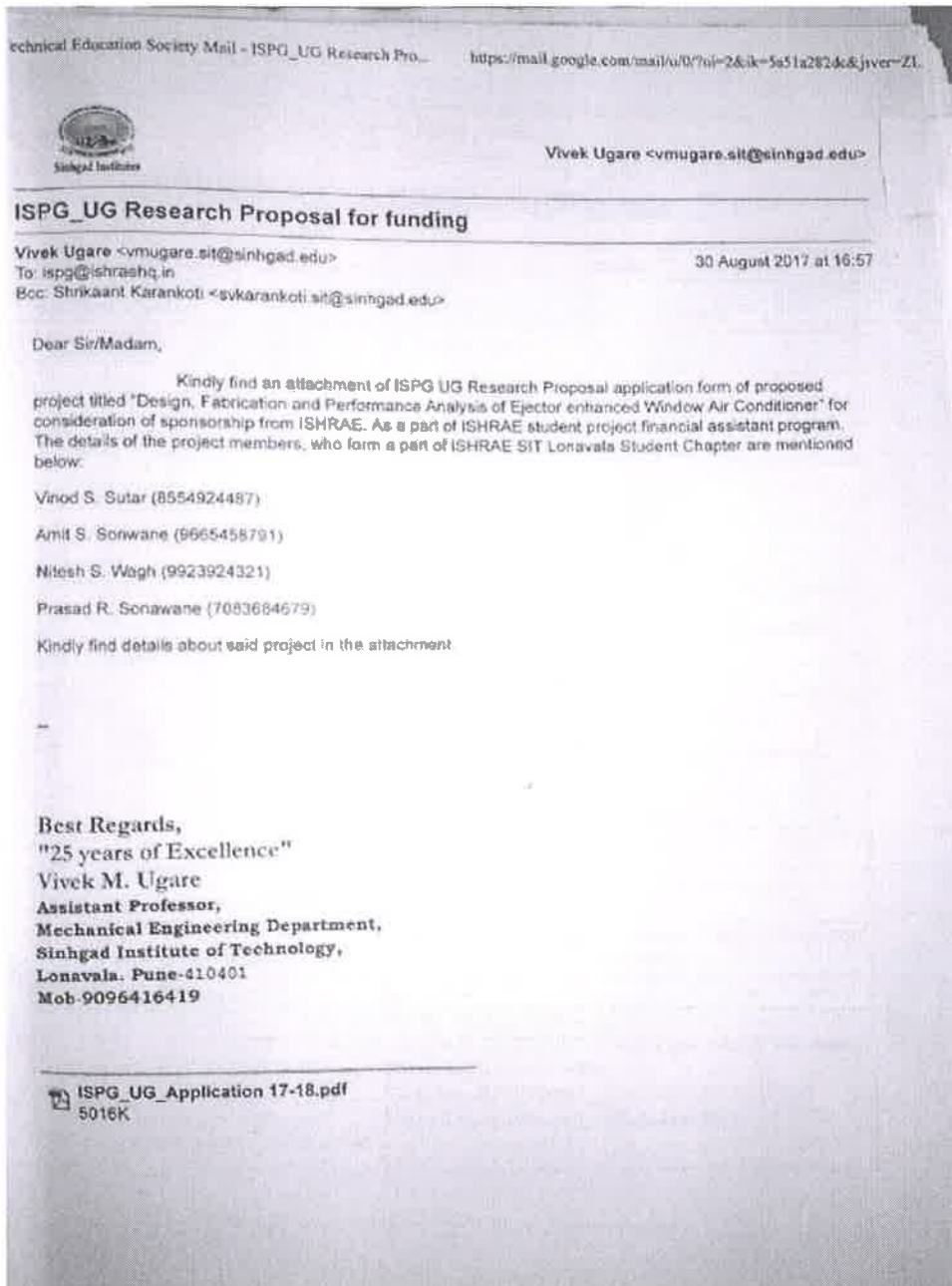
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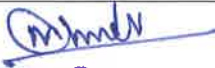


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Research & Development Cell
SINHGAD INSTITUTE OF TECHNOLOGY
Kusgaon (Bk.), Lonavla-410401



Proposal




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Kusgaon (Bk.), Lonavla-410401



Fund Sanction letter

ISPG-UG application has
selected by ISHRAE STUDENT
PROJECT GRANT COMMITTEE.

Inbox



ISHRAE Headquarters

to me

7 days ago [View details](#)

Reference No.: ISPG_UG_PU18

Dear Mr. Vinod Suryakant Sutar,

ISHRAE is pleased to inform you that your ISPG-UG application has selected by ISHRAE STUDENT PROJECT GRANT COMMITTEE. Grant Amount sectioned to your project is **INR 50,000/-** to support the following project: **Design, Fabrication and Performance Analysis of Ejector Enhanced Window Air-conditioner.**

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You are requested to contact your local ISHRAE Pune Chapter President / Student Chair for the sanction order and other formalities.

We wishes for the successful completion of project as per the Grant Guidelines and Schedule of completion.

Kindly contact me for any further clarification.

With kind regards,

Chair – ISGP-UG Committee

ISHRAE HQ

K-43, Basement

Kailash Colony, New Delhi-110048

Ph.: 011-4163 5655



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Sanction letter



Indian Society of Heating, Refrigerating and Air Conditioning Engineers
K-43 (Basement) Kailash Colony,
New Delhi - 110048, India

ISHRAE

ISHRAE Student Project Grant (ISPG UG)

Sr.No.	Item	Details
1	College Name	Sinhgad Institute of Technology, Lonavala.
2	Faculty Advisor Name	Prof. V. M. Ugare
3	ISHRAE membership number	1. S00033819 2. S00033824 3. S17032884 4. S00033810
4	Principal of the College (Name, Address and email)	Dr. M.S. Gaikwad Sinhgad Institute of Technology, Off Pune-Mumbai Express Way, Kusgaon (Bk.), Lonavala, 110401, principal_sit@sinhgad.edu
5	Local ISHRAE Chapter Name and Address	Ishrae Pune Chapter 4th Floor, Pune-Satara Road, KK Market, Mangawadi, Pune, Maharashtra 411037
6	ISHRAE Student Chair at the local chapter Name and Address with Mobile and Email	Dr. TusharJadhav Ishrae Pune Chapter 4th Floor, Pune-Satara Road, KK Market, Mangawadi, Pune, Maharashtra 411037 Cont. No: 9975147705 Email ID: tusharjadhav99@rediffmail.com
7	Is there a Student Chapter at your institution?	YES
8	Student Chapter Advisor	Prof. S. V. Karankoti
9	Title of the Project	Design, Fabrication and Performance Analysis of Ejector Enhanced Window Air Conditioner
10	Amount Requested	Rs 50,000/-
11	Team Leader Name and Contact Details Mobile, Email	Mr. Vinod Suryakant Sutar Address - Vijaynagar, Kupwad Road, Sangli, Tal. -Miraj, Dist.- Sangli, PIN-416406 Cont. No - 8554924487 Email ID- vinod.sutar12458@gmail.com

(Signature)

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PROJECT SUMMARY

1	Project Title	Design, Fabrication and Performance Analysis of Ejector Enhanced Window Air conditioner
2	Objectives	Objectives of the project are stated as below: - <ol style="list-style-type: none"> 1. To design and fabricate Ejector Enhanced Window Air Conditioner 2. To investigate performance of Window Air Conditioner using Ejector 3. To compare the existing Window Air Conditioner with Ejector Enhanced Window Air Conditioner
3	Executive Summary of Project (Brief Description not exceeding 50 words)	<ol style="list-style-type: none"> 1. The proposed project aims at designing, fabricating and experimental testing with comparative evaluation of Ejector Enhanced Window Air Conditioner system with existing system to maintain room temperature and humidity within a comfort limit with less power consumption. 2. In this experimental setup, the performance will be compared with the existing Window air Conditioner to get optimized results.
4	Principal Lead and their team (Name and Contact Details)	<ol style="list-style-type: none"> 1. Mr. Vinod Suryakant Sutar Cont. No.- 8554924487 Email ID- vinod.sutar12458@gmail.com 2. Mr. Amit Sunil Sonwane Cont. No.- 9665458791 Email ID- amitsonwane932@gmail.com 3. Mr. Nitesh Suresh Wagh Cont. No.- 9923924321 Email ID- waghnitesh99@gmail.com 4. Mr. Prasad Rajendra Sonawane Cont. No.- 7083684679 Email ID- sonawaneprasad34@gmail.com
5	Expected Duration (Not later than March 2018)	06 Months from 1 st September, 2017 to 28 th February, 2018



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BUDGET


Sr.No	Item	Amount (Rs)		
		Sep – Dec' 17	Jan – March'18	Total
1.	Equipment	15,000	10,000	25,000
2.	Manpower	5,000	-	5,000
3.	Consumables	-	2,000	2,000
4.	Contingencies	5,000	8,000	13,000
5.	Travel	-	5,000	5,000
	Total	25,000	25,000	50,000

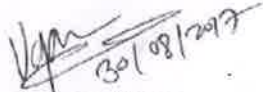
Certificate from the Principal Team Leader and Grantee organization


Project Title: "Design, Fabrication and Performance analysis of Ejector Enhanced Window Air Conditioner for Domestic Purpose"

1. I am submitting the above titled project proposal to ISHRAE for financial support.
2. I/ We agree to abide by the terms and conditions of the ISHRAE research grant.
3. I/ We have not submitted the project proposal elsewhere for financial support.
4. I/ We have requested for funds for the items, which are not available with the institution for the proposed work and are absolutely essential.

Date: 30/08/2017
Place: Lonavala.


Mr. Vinod Suryakant Sutar
(Team Leader)


30/08/2017
Prof. V. M. Ugare
(Project Guide)


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Cheque received Rs. 25000/-

IOBI BANK
IOBI BANK
OFF. SABANE BUNGALOW, LOKMANYANAGAR, PUNE, MAHARASHTRA Pin - 411030
IFSC : IOBL0000480

The instrument is valid for three months from the date of issue.

21 12 2018
D D M M Y Y Y Y

PAY Vinod Suryakant Sutar TO ORDER OF OR BEARER

₹ 25,000/-

₹ 25,000/-

46010010005230

Payable at Par at All IOBI Bank Branches

[Signature]
ISHRAE PUNE CHAPTER

Postmark here

378601 4112590101 046000 31

[Signature]

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