

भारतीय अन्तरिक्ष अनुसंधान संगठन

अन्तरिक्ष विभाग

भारत सरकार

अन्तरिक्ष भवन

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फैक्स :



Indian Space Research Organisation

Department of Space

Government of India

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No. ISRO/RES/3/917/22-23

February 17, 2023

Dear Dr. Willjuice Iruthayarajan,

**Subject: RESPOND Project - "RES-IISU-2022-007" Denoising Algorithm for Noise reduction in MEMS Sensors -reg.**

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This has reference to your submission of the above mentioned research proposal for funding under RESPOND Programme. The domain experts in Department of Space have reviewed the proposal. I wish to inform you that Chairman, ISRO / Secretary, DOS has approved the following:

1. Funding of the project under RESPOND Programme for a **period of Two years** at a total outlay of ₹18,90,960/- (**Rupees Eighteen Lakh, Ninety Thousand, Nine Hundred and Sixty only**) towards meeting the expenditure of the project (budget details enclosed).
2. Release of a grant of ₹10,65,480/- (**Rupees Ten Lakh Sixty Five Thousand, Four Hundred and Eighty only**) (which includes total grants for manpower and equipment) as first instalment towards meeting the First Year expenditure of the project.

**You may kindly note that the above grant is only One fourth of the total grants (total grants for equipment and fellowship) to be released during first year of the project.** You may kindly submit the Statement of Expenditure after the utilization of the amount released in the enclosed format. Based on the Fund status as per the Statement of Expenditure submitted by you, the grants for the next instalment will be released.

You may also note that, as per the latest guidelines issued by DOS vide order No.DS\_2B-13/1/2017-Sec. 2 dated June 20, 2022 regarding release of GIA to Institutions/Universities, the grants for "**Contingencies**" and "**Overhead charges**" will be released only after completion of the project.

**You may also kindly make a note of the point No. 6 in the enclosed DOS order regarding EAT Module in the PFMS portal.**

Dr. K. Kalidasa Murugavel, M.E., Ph.D.,  
PRINCIPAL  
NATIONAL ENGINEERING COLLEGE  
K.R. NAGAR, KOVILPATTI - 628 503,  
THOOTHUKUDI-DIST



# National Engineering College

(An Autonomous Institution Affiliated to Anna University Chennai)

K.R.Nagar, Kovilpatti – 628503



विज्ञान एवं प्रौद्योगिकी विभाग  
DEPARTMENT OF  
SCIENCE & TECHNOLOGY

**NewGen IEDC**



Entrepreneurship Development  
Institute of India

**13.07.2022**

## CIRCULAR

The following 20 projects have been selected for the **Fifth batch of NEC-NewGen IEDC [2021-22]** and the Product Development Grant of Rupees 2.5 Lakhs has been sanctioned for each project.

Sl.No.	Title of the Project	Dept	Mentor details
1.	Computer Vision-Based Meat Quality Checker	EEE	Dr. B. Vigneshwaran, AP (SG) / EEE Mr. M. Sivapalanirajan, AP / EEE
2.	Compact Fish Descaling Machine	MECH	Mr. A. Andrews, AP / Mech
3.	Smart TENG for Biomedical Monitoring	ECE	Mrs. R. Manjula Devi, AP (SG) / ECE Mr. I. Vivek Anand, AP / ECE
4.	Smart Body Cradle using IoT	MECH & CSE	Dr. D. Venkatkumar, Prof. / Mech Dr. K. Mohaideen Pichai, Prof. / CSE Mr. S. Dheenadhayalan, AP (SG) / CSE
5.	Semi-Automatic Potato Chips Maker	MECH	Mr. R. Jaya Venkatesh, AP / Mech Mr. R. Vijayakumar, AP (SG) / Mech
6.	Match sticks solar dryer	MECH	Mr. R. Vigneshkumar, AP (SG) / Mech Mr. R. Jaya Venkatesh, AP / Mech
7.	Palm Jaggery Storage Unit	MECH	Mr. K. Sudalaiyandi, AP / Mech
8.	Smart Bicycle	CSE	Dr. J. Naskath, AP (SG) / CSE Ms. B. Shunmuga Priya, AP (SG) / CSE
9.	Fouler Cot for Bed bound Patients	MECH & CSE	Dr.S. Iyahraja, Prof / Mech Dr. J. Naskath, AP (SG) / CSE
10.	Cold container Monitoring and Risk assessment system for Naval Transportation	EEE & IT	Mr. F. Antony Jeffrey Vaz, AP / EEE Dr. L. Jerart Julius, Asso. Prof / IT Mr. K. Karthik kumar, AP / EEE
11.	Smart Info system for Bike	EEE	Mr. V. Venkatasamy, AP / EEE Mr. F. Antony Jeffrey Vaz, AP / EEE
12.	LoRa Based Smart Starter for Agriculture	EEE	Dr. L. Kalaivani, Prof. / EEE Mr. V. Venkatasamy, AP / EEE
13.	Hybrid solar dryer for Fish Drying	MECH	Dr. W. Beno Wincy, AP / Mech.
14.	Portable Peanut Qualifier for Price Fixation	ECE	Dr. S. Tamil Selvi, Professor / ECE Mr. B. Ganapathy Ram, AP(SG) / ECE
15.	Cocoa Pod Breaker	MECH	Mr. K. Thoufiq Mohammed, AP / Mech.

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Sl.No.	Title of the Project	Dept	Mentor details
16.	6 – Axis Minirobot Arm for Education	MECH & CSE	Mr. K. Pradeepraj, AP / Mech. Mr.J.Karthikeyan, A.P/CSE
17.	Smart Anaerobic Community Digester	CIVIL	Mr. S. Murali Ram Kumar, AP / Civil Mrs. M. Balamaheshwari, AP / Civil Ms. B. Anitha, AP / Civil
18.	Navic Signal based Guidance system	ECE	T. Devakumar, AP (SG) / ECE C. Kaliswari, AP / ECE Gengadhara T.Venkadesh, Instuctor /ECE
19.	Floating Garbage Collecting Machine for ponds	IT & MECH	Mrs. S. Santhi, AP / IT Dr. L. Jerart Julius, AP / IT Mr. K. Sudalaiyandi, AP / Mech
20.	Implementation of augmented reality in mechanical engineering design	MECH & CSE	Dr.M.Vivekanandan, Adjunct Faculty/Mech Mr.J.Karthikeyan, A.P/CSE

The HoDs and mentors are requested to instruct the students' team to initiate the work.

**Chief Coordinator  
NewGen IEDC**

**Head of Host Institution**

Copy Submitted to the Director

Copy to:

HoDs (CSE, ECE, MECH, IT, CIVIL, EEE, S&H)

CoE, Deans (R&D, Academics, TPC)

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