



CRITERION 3
Research, Innovations and Extension

3.2 Resource Mobilization for Research

3.2.2 Percentage of teachers having research projects during the last five years

Names of teachers having research projects (2020-2021)

Sl.No	Name of the Principal Investigator/ Co Investigator	Title of the Project	Name of the Funding Agency	Department
1	Dr.R.Tamilselvi	Non Invasive Fetal Stress monitoring Device	DST-Science for Equity, Empowerment and Development Division	Electronics and Communication Engineering
		Non Invasive Fetal Stress monitoring Device-WEECARE	Entrepreneurship Development and innovation institute	Electronics and Communication Engineering
		Prosthetic arm for amputees.	Entrepreneurship Development and innovation institute	Electronics and Communication Engineering
		Wearable Prenatal Monitoring Device	H-Social contest by Hyundai India Pvt ltd.	Electronics and Communication Engineering
2	Dr.M.Parisa Behum	Non Invasive Fetal Stress monitoring Device-WEECARE	Entrepreneurship Development and innovation institute	Electronics and Communication Engineering
		Prosthetic arm for amputees.	Entrepreneurship Development and innovation institute	Electronics and Communication Engineering
		Wearable Prenatal Monitoring Device	H-Social contest by Hyundai India Pvt ltd.	Electronics and Communication Engineering



3	Dr.V.Vignesh	Experimental Investigation on Mosambi peel powder Poly vinyl alcohol composites film for eco friendly Packaging applications	Tamil Nadu State Council for Science and Technology	Mechanical Engineering
4	Dr.B.Mohamed rabi	Experimental Investigation on Mosambi peel powder Poly vinyl alcohol composites film for eco friendly Packaging applications	Tamil Nadu State Council for Science and Technology	Mechanical Engineering

No. SEED/WS/2019/327 (C)
Government of India
Department of Science and Technology
Science for Equity, Empowerment and Development Division

TECHNOLOGY BHAWAN
NEW MEHRAULI ROAD
NEW DELHI 110016
Dated June 12th 2021

SANCTION ORDER

Subject: Financial Assistance for the project, "Non Invasive Fetal Stress Monitoring Device" by Dr. R. Tamilselvi, Sethu Institute of Technology, Kariapatti, Tamil Nadu-626115"

1. Sanction of the President is hereby accorded for the implementation of the above project to the grant-in-aid of Rs. 1,81,855 - (Rupees one lakh eighty one thousand and eight hundred fifty five only) to Dr. R. Tamilselvi, Sethu Institute of Technology, Kariapatti, Tamil Nadu for implementing the above mentioned project proposal as being capital installment of the aforementioned grant-in-aid under the budget head "Creation of Capital Assets". The organization should utilize the funds for which it has been sanctioned during the same financial year.

Non-Recurring / Capital Assets / Permanent Equipment		
1	ECG Machine	82,880
2	Work Station	89,500
3	DSP Kits	7,000
4	ECG and EMG sensors	2,475
Total		1,81,855

2. It is certified that Utilization Certificate for the earlier grants have been received and sent to PAO. The Institute/Principal Investigator had certified that all Utilization Certificates due for rendition have been submitted as per Order No. 7(1) E.Coord/2012 dated 14.11.2012. The Principal Investigator has certified that there is no Utilization Certificate pending. No UC is pending against the organization with respect to the funds released.
3. The amount of expenditure is definable to Demand No. 88 Department of Science and Technology for the year 2021-22.

3425 Other Scientific Research (Major Head)
60 Others (Sub-Major Head)


PRINCIPAL
SETHU INSTITUTE OF TECHNOLOGY
PULLOOR, KARIAPATTI - 626 115
VIRUDHUNAGAR (DN)

60.200 Assistance to other Scientific Bodies (Minor Head)
08 Science and Technology Institutional and Human Capacity Building (sub-head)
68.01 DST/IA program for Women in Science (Detailed Head)
68.01.35 Grants-in-aid for creation of capital assets for the year 2021-22
(Old Budget Head: 3425.60.200.55.01.35)

4. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent final installment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.
5. The grantee organization will maintain a separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. For Grants released during F.Y. 2017-18 and onwards, all interests and other earnings, against released Grant shall be remitted to Consolidated Fund of India (through Non-Tax Receipt Portal (NTRP), i.e., www.Bharatkosh.gov.in), immediately after finalization of accounts, as it shall not be adjusted towards future release of grant. A certificate to this effect shall have to be submitted along with a Statement of Expenditure Utilization Certificate for considering subsequent release of grant/closure of project accounts. PI should also follow Rule 230(17) of GFR-2017 concerning reservation of SC/ST/OBC, if applicable.
6. DST reserves sole rights/ownership on the physical assets and intellectual assets (hereafter assets) created or acquired out of grant-in-aid in accordance with Rule 233 of GFR 2017. On satisfactory completion of the project, DST will decide and communicate to the grantee institution whether the assets should be returned, sold or retained by them.
7. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.
8. This sanction is subject to the condition that the grantee institution should ensure that the technical support/financial assistance provided to them by the Department of Science and Technology should invariably be highlighted/acknowledged in their media releases such as invitation cards, circulars, press notes, banners, posters, audio visuals, exhibits etc. produced/used during the course of the project as well as in bold letter in the opening paragraphs of their annual report during and after the completion of the project as follows:
"Catalyzed and Supported by Science for Equity, Empowerment and Development (SEED) Division of Department of Science and Technology, New Delhi"
9. Failure to comply with the terms and conditions of the Bond will entail full refund with interest as per terms of Rule 231 (2) of GFR 2017.

10. The grant released/sanctioned is for the specific project sanctioned and portion of the grant, which the grantee fails to utilize for the purpose of which the grant is sanctioned will be recovered along with the penal interest of 10% per annum.
11. An amount of Rs. 1,80,855/- (Rupees one lakh eighty one thousand and eight hundred fifty five only) will be drawn by the Drawing and Disbursing Officer, DST and will disburse it to Sethu Institute of Technology through the bank account with details as given below:

Account Holders Name/Designation	The Principal, Sethu Institute of Technology
Name of the Bank and Branch	STATE BANK OF INDIA, 3-1-412 MAIN ROAD, KARIAPATTI, VIRUDHUNAGAR-DISTRICT, TAMILNADU 626106
Bank Account Number	00000011319797286
IFSC Code	SBIN0003781
MICR Code	626002005

12. "Grantee Institution is advised to start using the EAT module and the next release will be made only after mapping and following EAT modules by the grantee institution"
13. As per Rule 234 of GFR 2017, this sanction has been entered at S.No. 19 in the register of grants maintained in the Division for the scheme (DISHA).
14. This issues with the concurrence of IFD. Vide their Concurrence Dy.No: 524 (Capital) dated 12.06.2021


(Dr. Uma Malik)
Scientist -D

To,
The Pay & Accounts Officer,
Department of Science & Technology,
New Delhi - 110 016

Copy to:

1. Cash Section (3 copies)
2. P.D. Budget & Accounts Section
3. The Office of Director General of Aardh, Environment and Scientific Departments (DGA-ESD), III Floor, AGCR Building, I.P. Estate, New Delhi 110002
4. Sanction folder (2 copies)
5. Head (SEED), Scientist G
6. Head (KIRAN), Scientist G


PRINCIPAL
SETHU INSTITUTE OF TECHNOLOGY
PULLOOR, KARIAPATTI - 626 115
VIRUDHUNAGAR (DT)



**ENTREPRENEURSHIP DEVELOPMENT AND INNOVATION
INSTITUTE**

(An autonomous society of the Government of Tamil Nadu)
Parthasarathy Koil Street, SIDCO Industrial Estate,
Ekkaduthangal, Guindy, Chennai 600032, Tamil Nadu
Tel : +91-44-2225-2081/82/83/84 Web : www.editn.in



Lr.No.2270/EDII/JD/2018

Date :08.09.2021

Sir,

Sub: EDII - Innovation Voucher Programme (IVP) - Proposal submitted under IVP – Sanctioned Order Issued – Reg.

Ref: 1. IVP Proposal sent by Pandiyan Software Solutions Private Ltd.,
2. Minutes of the Steering Committee meeting held on 18.08.2021.

As per the above references, this is to inform that your proposal has been approved by the Steering Committee under “**Innovation Voucher Programme**”.

In this regard, the details of the recommendations and terms and conditions are as follows :

1. Name of the Company : Pandiyan Software Solutions Private Ltd.,
2. Project Title : Non Invasive fetal stress monitoring device - WEECARE
3. Voucher Type : Voucher – A
4. Maximum Project Duration : 12 months
5. Knowledge Partner : **Sethu Institute of Technology**
6. Total Project Cost : **Rs.2,00,000/-**

Break up of Project Cost (In Rs.) :				
EDII Contribution			Company's Contribution	Total
1 st Installment 50%	2 nd Installment 40%	3 rd Installment 10%		
80,000	64,000	16,000	40,000	2,00,000

Terms and Conditions of the grant :

- I. 1st Installment: 50 percent of the eligible grant will be released on signing of the Tripartite agreement.
- II. 2nd Installment: 40 percent will be released on submission of the Progress report, Utilization Certificate, Photos & Videos, etc. and its acceptance by the EDII within the time frame stipulated in the agreement
- III. 3rd Installment: (Remaining 10 percent) will be released on completion of the project and presentation of the final report being made before the Technical / Steering committee and the completion report found acceptable.
- IV. Contribution of the company has to be paid in full to the knowledge partner before the release of 2nd Installment.

- V. Knowledge partner should release the fund to the company without any delay based on the achievement of milestones as envisaged in the project by the company.
- VI. The company should periodically furnish progress report and utilization certificate to EDII for releasing of 2nd and 3rd installment.
- VII. The company with attestation of the Knowledge Partner must submit monthly progress reports of the project to EDII regularly.
- VIII. Any deviation of the project has to be reported promptly to EDII.
- IX. The sanction project should be completed within the time stipulated in the agreement. For factors beyond the control of the Company given the assignment, suitable extension in time may, however, be granted at the request of the institution.
- X. The EDII shall not pay any extra amount for any escalation in the cost of the assignment beyond the time period stipulated in the agreement.
- XI. The total grant for the study as agreed with the organization will include service tax and other tax, if any, and the liability of payment of the tax will be of the Institution conducting the study.
- XII. TWO hard copies of the final report, FIVE hard copies of the executive summary and soft copy containing the final report shall be submitted before releasing the final installment of payment.
- XIII. During the period of the implementation of the project, EDII may modify the TOR and other terms and conditions of the project, if necessary, in order to strengthen/deepen its scope/coverage. As far as possible, such modifications will not be made more than once during the period of study and with the due concurrence of the Company concerned.
- XIV. In case of change of contact person during the period of study, the new contact person may be nominated by the Company with the prior approval of the EDII.
- XV. Any changes in the proposed work plan should be intimated to EDII and get prior approval from the Steering Committee
- XVI. If the performance of the Company during the period of the study is not found to be satisfactory, the agreement will be terminated.
- XVII. The Knowledge partner should have empanelled with EDII.

You are requested to furnish us the following documents immediately:

- Tripartite Agreement (Model Enclosed)
- Advance Stamp receipt from the Knowledge Partner Institution for the 1st Installment.
- Bank Account details of the Knowledge Partner Institution to which the amount is to be released in Letterhead with signature of Knowledge Partner.
- Detailed milestones with signature of company and Knowledge Partner.
- Detailed Budget split-up with signature of company and Knowledge Partner.
- Consent letter from Knowledge Partner and service cost charged by the Knowledge Partner for various services
- UAM Registration/Startup India DPIIT Registration Certificate


Additional Director

To,
1. Pandiyan Software Solutions Private Ltd.,
2. Sethu Institute of Technology.





ENTREPRENEURSHIP DEVELOPMENT AND INNOVATION INSTITUTE

(An autonomous society of the Government of Tamil Nadu)
Parthasarathy Koil Street, SIDCO Industrial Estate,
Ekkaduthangal, Guindy, Chennai 600032, Tamil Nadu
Tel : +91-44-2225-2081/82/83/84 Web : www.editn.in



Lr.No.2270/EDII/JD/2018

Date :17.11.2020

Sir,

Sub: EDII - Innovation Voucher Programme (IVP) - Proposal submitted under IVP – Details requested – Reg.

Ref: IVP Proposal sent by Nazia Enterprises Ltd..

As per the above reference, this is to inform that your proposal has been approved by the Steering Committee under **"Innovation Voucher Programme"**.

In this regard, the details of the recommendations and terms and conditions are as follows :

1. Name of the Company : Nazia Enterprises Ltd.
2. Project Title : Prosthetic ARM for amputees
3. Voucher Type : Voucher – A
4. Maximum Duration : 12 months
5. Knowledge Partner : Sethu Institute of Technology
6. Budget Summary :

Budget Breakup (In Rs.) :					
Item	1 st Installment 50%	2 nd Installment 40%	3 rd Installment 10%	Company's Contribution	Total
Recurring	80,000	64,000	16,000	40,000	2,00,000

7. Fund releasing Pattern :

- i. 1st Installment: 50 percent of the eligible grant on signing of the Tripartite agreement.
- ii. 2nd Installment: 40 percent on submission of the Progress report, Utilization Certificate, Photos & Videos, etc. and its acceptance by the EDII within the time frame stipulated in the agreement
- iii. 3rd Installment: Remaining 10 percent on completion of the project and presentation of the final report being made before the Technical / Steering committee and the completion report found acceptable.
- iv. Contribution of the company has to be paid in full to the knowledge partner before the release of 2nd Installment.
- v. Knowledge partner should release the fund to the company without any delay based on the achievement of milestones as envisaged in the project by the company and Knowledge partner.

- vi. The company should periodically furnish progress report and utilization certificate to EDII for releasing of 2nd and 3rd installment.
- vii. The company with attestation of the Knowledge Partner must submit monthly progress reports of the project to EDII regularly.
- viii. Any deviation of the project has to be reported promptly to EDII.

9. Terms & Conditions of the grant:

The general terms and conditions applicable to each assignment under this Scheme will be :

- (i) The assignment should be completed within the time stipulated in the agreement. For factors beyond the control of the Company given the assignment, suitable extension in time may, however, be granted at the request of the institution.
- (ii) The EDII shall not pay any extra amount for any escalation in the cost of the assignment beyond the time period stipulated in the agreement.
- (iii) The total grant for the study as agreed with the organization will include service tax and other tax, if any, and the liability of payment of the tax will be of the Institution conducting the study.
- (iv) 2 hard copies of the final report, 5 hard copies of the executive summary and soft copy containing the final report shall be submitted before releasing the final installment of payment.
- (v) During the period of the assignment, EDII may modify the TOR and other terms and conditions of the assignment, if necessary, in order to strengthen/deepen its scope/coverage. As far as possible, such modifications will not be made more than once during the period of study and with the due concurrence of the Company concerned.
- (vi) In case of change of contact person during the period of study, the new contact person may be appointed by the Company with the prior approval of the EDII.
- (vii) Any changes in the proposed work plan should be intimated to EDII and get prior approval from the Steering Committee
- (viii) If the performance of the Company during the period of the study is not found to be satisfactory, the agreement can be terminated.
- (ix) The Knowledge partner should have empanelled with EDII.

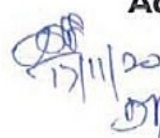
You are requested to furnish us the following documents immediately:

- Tripartite Agreement
- Advance Stamp receipt from the Knowledge Partner Institution for the 1st Installment.
- Knowledge Partner Institution Bank Account details in Letterhead with signature.
- Detailed milestones with signature of company and Knowledge Partner.
- Detailed Budget split-up with signature of company and Knowledge Partner.
- Consent letter from Knowledge Partner and service cost charged by the Knowledge Partner for various services
- UAM Registration/Startup India DPIIT Registration Certificate

To,

1. Nazia Enterprises Ltd.
2. Sethu Institute of Technologys


Additional Director





தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்
TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

(Established by Government of Tamilnadu)

Directorate of Technical Education Campus, Chennai - 600 025

Phone : 044 - 2230 1428

Web : www.tanscst.nic.in

Telefax : 044 - 2230 1552

E-mail : ms.tanscst@nic.in/enquiry.tanscst@nic.in

DR. R. SRINIVASAN, M.Sc., Ph.D., F.I.C.S., M.A.C.S. (USA).
Member Secretary

Letter No.TNSCST/STP/ET-08/2019-20/ 3673

29.03.2021

To

The Principal
Sethu Institute of Technology
Kariapatti, Virudhunagar-626 115

Sir/Madam,

Sub: TNSCST – S&T Project on "Experimental investigation on mosambi peel powder poly vinyl alcohol composites film for eco friendly packaging application" –Approval – grant release- intimation – Reg.

Ref: Proposal dated 17.03.2020

I am happy to inform you that State Council has approved your above cited research proposal for funding. A copy of the terms and conditions governing the grant is enclosed herewith for your reference. The approved budget for the project entitled "Experimental investigation on mosambi peel powder poly vinyl alcohol composites film for eco friendly packaging application" is Rs.2,40,000/- for Two years. Kindly acknowledge your acceptance in a week time for the above budget and details including terms and conditions.

Kindly Find enclosed herewith cheque for first year approved grant of Rs.1,55,000/-(Rupees One lakh and fifty five thousand only). You have to submit a declaration stating that the above cited "project has not receiving any funds from any other funding agency". All communication should be sent through the proper channel.

With best wishes,

Yours faithfully,

29/3/21
Member Secretary

Encl: 1.Cheque for Rs.1,55,000/- No: 691123 dt.29.03.2021
2.Terms and conditions

Copy to:

Dr.V.Vignesh

Assistant Professor
Dept. of Mech. Engg.
Sethu Institute of Technology
Kariapatti, Virudhunagar-626 115

PRINCIPAL
SETHU INSTITUTE OF TECHNOLOGY
PULLOOR, KARIAPATTI - 626 115
VIRUDHUNAGAR (Dt)

SETHU INSTITUTE OF TECHNOLOGY, PULLOOR, KARIAPATTI
CIRCULAR

No.	687/SIT/ H- Social Creative 2021 – Mentor / 2020- 21	
Date	16.04.2021	Time: 11.15 A.M.
Originator	Principal	Circulated to : All Departments

Sub: H- Social Creative 2021 – Mentor - Reg.

With reference to the E-mail dated 16.04.2021 from Asset CSR Team (ACT) of H - Social Creative Platform, the following faculty mentor is assigned for the project which has been granted Rs.7.5 lakhs for the year 2021 by H-Social Creator.

H-Social Creator of the Year 2021	
Name of the Project	Wearable Prenatal Monitoring Device
Name of the Student	Mr. S.Manobala Mr.M.Manoj
Name of the Mentor	Dr.M.Parisa Beham, Professor & Head, Department of Electronics and Communication Engineering. Dr.R.Tamilselvi, Professor & PG Head, Department of Electronics and Communication Engineering.
Amount granted	Rs.7.5 lakhs


PRINCIPAL

Copy To: Chairman / CEO/JCEO/
HoDs of all Departments
File

Past Program 2021

H-Social Creator

Due to the rising scale of the Program, the 3rd edition of H-Social Creator saw a mixed push approach which included reaching the target students digitally and through LIVE campus interactions. Over 3 Lac senior students were reached and nearly 530 eligible BIG ideas were received virtually from almost 160 educational institutions across the length and breadth of the country.

An increased number of IITs, NITs, IIMs, and many prominent Government and Private Technical, Management, Social, and Healthcare institutions were represented by some of the greatest minds of India.

Two Zonal semi-finals were introduced, and the number of eminent Jury members and Mentors also multiplied in this edition.

A total of 30 Intellectuals, Stalwarts, and Industry Leaders were brought on board, having years of experience and expertise in Road Safety, Healthcare, Environment, IT, Technology, Robotics, and Sustainability. These experts helped mentor and select the top 10 finalists based on the criteria of innovation, feasibility, scale and, more importantly, the social impact on society.

Mr. Ayush Kale from IIT, Mumbai, for his idea, 'Anti Road Intrusion System' and Mr. Manobala S & Manoj M from SIT, Madurai, for their idea 'Wearable Prenatal Monitoring Device' won the H-Social Creators of the Year 2021.

Some glimpses of the 2021 event Image Gallery



WINNER



FINALISTS



JURY



MENTORS



Name – Mr. Ayush Kale

Institution – IIT, Mumbai

Category – Road Safety

Idea – Anti Road Intrusion System



Mr. Manobala S



Mr. Manoj M

Institution – Sethu Institute of Technology

Category – Healthcare

Idea – Wearable Prenatal Monitoring Device