

Date: 06.11.2023

## Award of Research Seed Money

(Under the grants earmarked for the Academic Year 2023–2024)

We are pleased to inform that **Mr. D. Tamilvendan**, Assistant Professor, Department of Aeronautical Engineering, Hindusthan College of Engineering and Technology is awarded with Research Seed Money by Hindusthan Educational and Charitable Trust as detailed below:

### AWARDEE DETAILS

Name of the PI & Designation	Mr. D. Tamilvendan, Assistant Professor
Department	Aeronautical Engineering
Institution	Hindusthan College of Engineering and Technology
Title of the Project	Development of eco-friendly composite material using natural fibers available in the Coimbatore region for the application in Aerospace and Automotive Industries
Sanctioned Amount	Rs. 1,95,000/- (One Lakh Ninety Five Nine Thousand Only)
Duration of the Project	6 Months
Approval Date	06.11.2023

**Note:** PIs are requested to complete the project and submit the Report, Utilization Certificate (UC) and Statement of Expenditure (SoE) to the undersigned on or before 31<sup>st</sup> May 2024.

  
Principal

PRINCIPAL

Hindusthan College of Engineering and Technology  
COIMBATORE - 641 032.

- Enc:** 1. Policy of Research Seed Money Scheme (Annexure-1)  
2. Undertaking (Annexure - 2)



**STATEMENT OF EXPENDITURE**  
OF  
HICET- SEED GRANT PROPOSALS  
(2023-24)

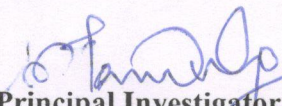
Sanction No: Nil

Date: 06.11.2023

Title of the Seed Grant: **Development of eco-friendly composite material using natural fibre available in the Coimbatore region for the applications in Aerospace and automotive industry.**


Name of the Head	Amount in Rs.	Bills Enclosed with Principal Signature (Yes/No)
<b>Non – Requiring*</b>		
(i)		
(ii)		
(iii)		
<b>Requiring*</b>		
(i) Consumable	1,74,238.80	YES
(ii) Contingency	20,768.00	YES
(iii) Travel		
(iv) others if any		
<b>TOTAL</b>	<b>1,95,006.80</b>	

S.NO	DESCRIPTION	VENDOR	AMOUNT
1	Glass fibre panel - 11 nos	ST Advanced Composites Pvt. Ltd.	32,428.00
	Sisal fibre panel - 13 nos		38,792.00
	GF+ Sisal panel(G/S/S/G) - 13 nos		38,220.00
	GF+ Sisal Panel(S/G/G/S) - 13 nos		38,220.00
	GST @18%		26,578.80
2	Open Hole Tensile test	Mannschaft Engineering solutions Pvt Ltd.	8800.00
	Tensile test for Polymer composites		8800.00
	GST @18%		3168.00
<b>TOTAL</b>			<b>1,95,006.80</b>
<b>One lakh ninety five thousand six and eighty paise only</b>			

  
Principal Investigator

TAMILVENDAN



  
HoD

  
Finance Officer


FINANCE OFFICER  
HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY  
COIMBATORE


  
Principal

2/11/23  
PRINCIPAL  
Hindusthan College Of Engineering & Techno  
COIMBATORE - 641 032.

## UTILISATION CERTIFICATE

Certified that seed grant-in-aid of **1,95,000**/(Rupees One lakh ninety five Thousand only) was sanctioned by the **Hindusthan College of Engineering and Technology, Coimbatore-641032** vide their Sanction no. dated 06.11.2023 and **has been received** for the year **2023-2024** However we have received first installment of **1,95,000** (Rupees One lakh ninety five Thousand only) has been utilized for requiring and non-requiring in the project title of **“Development of eco-friendly composite material using natural fibre available in the Coimbatore region for the applications in Aerospace and automotive industry”** and the remaining amount of **Rs. Nil.** has been returned.

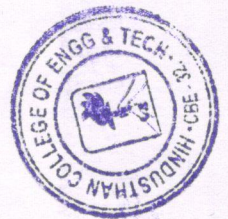
  
Principal Investigator  
TAMILVENDON-D

  
HoD

  
Principal  
**PRINCIPAL**  
Hindusthan College Of Engineering & Technolo:  
COIMBATORE - 641 032.

  
Finance Officer

**FINANCE OFFICER**  
HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY  
COIMBATORE



## Tax Invoice

Printed on 24-Mar-24 at 11:16

 <p><b>ST Advanced composites Pvt Ltd</b>                  #333 A 8<sup>th</sup> st, Sree krishna nagar                  Maduravoyal, Chennai-600095                  GSTIN/UIN:33AAVCS2439R1ZG                  Tamilnadu, Code :33                  Email:info@stadvancedcomposites.in</p>	Invoice No <b>STAC 23-24-55</b>	Dated <b>23-Mar-24</b>
	Delivery Note	Mode/Terms of Payment
	Ref No & Date	Other Reference <b>Quote STAC 2023-105</b>

Consignee (ship to) <b>Mr.D.Tamilvendan</b> Assistant Professor Hindusthan College of Engg& Tech Coimbatore- 641032	Buyer's order No Mail Confirmation on <b>01.03.2024</b>	Dated <b>01-Mar-2024</b>
	Dispatch Doc No	Delivery Note
	Dispatched through Parcel service	Destination Coimbatore-641032

Buyer (Bill to) <b>Mr.D.Tamilvendan</b> Assistant Professor Hindusthan College of Engg& Tech Coimbatore- 641032 Mobile No-9159997190	Terms of Delivery
---	-------------------


S.NO	Description of Goods	HSN/SAC	GST Rate	Quantity	Rate	Per	Amount
1	Glass fibre panel	70199090	18%	<b>11 Nos</b>	2,948.00	Nos	<b>32,428.00</b>
2	Sisal fibre panel	56072900	18%	<b>13 Nos</b>	2,984.00	Nos	<b>38,792.00</b>
3	GF+ Sisal panel(G/S/S/G)	76061190	18%	<b>13 Nos</b>	2,940.00	Nos	<b>38,220.00</b>
	GF+ Sisal Panel(S/G/G/S)	75432990	18%	<b>13 Nos</b>	2,940.00	Nos	<b>38,220.00</b>
							<b>1,47,660.00</b>
	Output IGST 18%						<b>26,578.80</b>
	Total			<b>50 Nos</b>			<b>1,74,238.80</b>

Amount chargeable (in words):  
**INR One lakh seventy-four thousand two hundred thirty-eight and eighty paise only.**

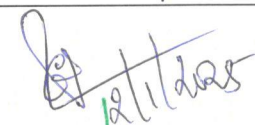
HSN/SAC	Taxable Value	Integrated tax		Total Tax amount
		Rate	Amount	
70199090	32,428.00	18%	5,837.04	5,837.04
56072900	38,792.00	18%	6,982.56	6,982.56
76061190	38,220.00	18%	6,879.60	6,879.60
75432990	38,220.00	18%	6,879.60	6,879.60
	1,47,660.00		26,578.80	26,578.80

Tax Amount (in words) : **INR Twenty six thousand five hundred seventy two and eighty six paise only**


**Declaration**  
 We declare that this invoice shows the actual price of the goods described and all the particulars are true and correct.

  
 for ST Advanced Composites Pvt Ltd  
 Authorised Signatory

This is a computer-generated Invoice

Hop/Aero

2/1/25



**Mannschaft Engineering Solutions Private Limited**

<b>Quotation Number:</b>	MESPL/ OHT&TENSILE TESTING /06/2024
<b>Date</b>	June 12th, 2024
<b>Client</b>	Prof.D.Tamilvendan, Hindusthan College of Engineering and Technology
<b>Billing address</b>	Hindusthan college of Engineering & Technology, Valley campus, Pollachi Highway, Coimbatore-641032.
<b>GSTIN</b>	34AAMCM2140C1ZY

S.NO	DESCRIPTION OF WORK	STD	Nos	AMOUNT PER SAMPLE	TOTAL AMOUNT(INR)
1.	Open Hole Tensile test	ASTM D3039	11	800.00	8800.00
2.	Tensile test for Polymer composites	ASTM D5766	11	800.00	8800.00
	Total Taxable amount		18		17600.00
<b>IGST @ 18%</b>					3168.00
<b>Total</b>					20768.00
<b>Total amount: INR Twenty thousand seven hundred and sixty-eight only</b>					

Thank You!

Best Regards,

*S. Rajendran*

Gopinath Rajendran

Managing Director – Mannschaft Engineering Solutions Pvt Ltd.

Registered Office: No: 112-A, 1<sup>st</sup> Floor, Kamaraj Salai, Puducherry – 605013.

Mob: +91 90875 90019



*Hod/Aero*

*2/1/25*

# Hindusthan College of Engineering and Technology

An Autonomous Institution, Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

Accredited by NBA (AERO, AUTO, CIVIL, CSE, ECE, EEE, IT, MECH, MCTS)

Accredited by NAAC 'A++' Grade with CGPA of 3.69 out of 4 in Cycle 2

An ISO Certified Institution

Tel: +91 422 4242424

Mob:99439 15566

Date: 06.11.2023

## Award of Research Seed Money

(Under the grants earmarked for the Academic Year 2023– 2024)

We are pleased to inform that **Dr. Amutha. [M]**, Professor, Department of Artificial Intelligence and Machine Learning, Hindusthan College of Engineering and Technology is awarded with Research Seed Money by Hindusthan Educational and Charitable Trust as detailed below:

### AWARDEE DETAILS

Name of the PI & Designation	Dr. Amutha. [M], Professor
Name of the Co-PI & Designation	Mrs. V. Devi, Assistant Professor
Department	Artificial Intelligence and Machine Learning
Institution	Hindusthan College of Engineering and Technology
Title of the Project	A Wearable Device Enabling Visually Impaired Individuals to Shop Independently
Sanctioned Amount	Rs.1,89,000/- (One Lakh Eighty Nine Thousand Only)
Duration of the Project	6 Months
Approval Date	06.11.2023

**Note:** PIs are requested to complete the project and submit the Report, Utilization Certificate (UC) and Statement of Expenditure (SoE) to the undersigned on or before 31<sup>st</sup> May 2024.

  
Principal

- Enc:** 1. Policy of Research Seed Money Scheme (Annexure– 1)  
2. Undertaking (Annexure – 2)

**PRINCIPAL**  
Hindusthan College of Engineering and Technology  
COIMBATORE - 641 032.



Date: 06.11.2023

## Award of Research Seed Money

(Under the grants earmarked for the Academic Year 2023– 2024)

We are pleased to inform that **Ms. Kalpana. V.P.** Assistant Professor, Department of Chemical Engineering, Hindusthan College of Engineering and Technology is awarded with Research Seed Money by Hindusthan Educational and Charitable Trust as detailed below:

### AWARDEE DETAILS

Name of the PI & Designation	Ms. Kalpana. V.P. Assistant Professor
Name of the Co- PI & Designation	Dr Seenuvasan M, Professor & Head
Department	Chemical Engineering
Institution	Hindusthan College of Engineering and Technology
Title of the Project	Extraction of cellulose from biomass
Sanctioned Amount	Rs.1,79,000/- (One Lakh Seventy Nine Thousand Only)
Duration of the Project	6 Months
Approval Date	06.11.2023

**Note:** PIs are requested to complete the project and submit the Report, Utilization Certificate (UC) and Statement of Expenditure (SoE) to the undersigned on or before 31<sup>st</sup> May 2024.

  
Principal

PRINCIPAL

Enc: 1. Policy of Research Seed Money Scheme (Annexure - 1)  
2. Undertaking (Annexure - 2)

Hindusthan College of Engineering and Technology  
COIMBATORE - 641 032.



# Hindusthan College of Engineering and Technology

An Autonomous Institution, Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

Accredited by NBA (AERO, AUTO, CIVIL, CSE, ECE, EEE, IT, MECH, MCTS)

Accredited by NAAC 'A++' Grade with CGPA of 3.69 out of 4 in Cycle 2

An ISO Certified Institution

Tel: +91 422 4242424

Mob: 99439 15566



Date: 06.11.2023

## Award of Research Seed Money

(Under the grants earmarked for the Academic Year 2023-2024)

We are pleased to inform that **Mr. Dineshkumar. M.** Assistant Professor, Department of Chemical Engineering, Hindusthan College of Engineering and Technology is awarded with Research Seed money by Hindusthan Charitable Trust as detailed below:

### AWARDEE DETAILS

Name of the PI & Designation	Mr Dineshkumar. M. Assistant Professor
Name of the Co- PI & Designation	Dr Seenuvasan M, Professor & Head
Department	Chemical Engineering
Institution	Hindsuthan College of Engineering and Technology
Title of the Project	Advanced E-Waste Recycling and Nanomaterial Synthesis for Sustainable Technology
Sanctioned Amount	Rs.1,72,000/- (One Lakh Seventy Two Thousand Only)
Duration of the Project	6 Months
Approval Date	06.11.2023

**Note:** PIs are requested to complete the project and submit the Report, Utilization Certificate (UC) and Statement of Expenditure (SoE) to the undersigned on or before 31<sup>st</sup> May 2024.

  
Principal

PRINCIPAL

**Enc:** 1. Policy of Research Seed Money Scheme (Annexure-1)  
2. Undertaking (Annexure - 2)

Hindusthan College of Engineering and Technology  
COIMBATORE - 641 032.



Date: 06.11.2023

## Award of Research Seed Money

(Under the grants earmarked for the Academic Year 2023– 2024)

We are pleased to inform that Dr. Dhanajal S. Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology is awarded with Research Seed Money by Hindusthan Educational and Charitable Trust as detailed below:

### AWARDEE DETAILS

Name of the PI & Designation	Dr. Dhanajal S. Professor
Name of the Co-PI & Designation	Mr. K. Lakshmanan, Assistant Professor
Department	Computer Science and Engineering
Institution	Hindusthan College of Engineering and Technology
Title of the Project	Geo-Fence based Attendance Marking System to Eliminate Proxy Attendance (GAMSEPA)
Sanctioned Amount	Rs.1,82,000/- (One Lakh Eighty Two Thousand Only)
Duration of the Project	6 Months
Approval Date	06.11.2023

**Note:** PIs are requested to complete the project and submit the Report, Utilization Certificate (UC) and Statement of Expenditure (SoE) to the undersigned on or before 31<sup>st</sup> May 2024.

Principal

PRINCIPAL

Hindusthan College of Engineering and Technology  
COIMBATORE - 641 032.

- Enc: 1. Police of Research Seed Money Scheme (Annexure- 1)  
2. Undertaking (Annexure - 2)





# Hindusthan College of Engineering and Technology

An Autonomous Institution, Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai  
Accredited by NBA (AERO, AUTO, CIVIL, CSE, ECE, EEE, IT, MECH, MCTS)  
Accredited by NAAC 'A++' Grade with CGPA of 3.69 out of 4 in Cycle 2  
An ISO Certified Institution

Tel : +91 422 4242424

Mob : 99439 15566

Date: 06.11.2023

## Award of Research Seed Money

(Under the grants earmarked for the Academic Year 2023-2024)

We are pleased to inform that **Dr.K.Kalaiselvi, and Ms.R.Vanitha** of Department of **Electronics and Communication Engineering**, Hindusthan College of Engineering and Technology, is awarded with Research Seed Money sanctioned by Hindusthan Educational and Charitable Trust detailed below:

### AWARDEE DETAILS

Name : Dr.K.Kalaiselvi - Professor/ECE  
Ms..R.Vanitha - Assistant Professor/ECE

Department : Electronics and Communication Engineering

Institution : Hindusthan College of Engineering and Technology

Title of the Project : Vegetable Harvester Robot

Seed Money Granted : Rs.30,000/- (Thirty Thousand Only)

Duration of the Project : 6 Months

Approval Date : 06.11.2023



Enc: 1. Rules of Scheme for Research Seed Money (Annexure-1)  
2. Undertaking (Annexure-2)

PRINCIPAL  
PRINCIPAL

Hindusthan College Of Engineering & Technolog  
COIMBATORE - 641 032.



**Date: 06.11.2023**

**Award of Research Seed Money**

*(Under the grants earmarked for the Academic Year 2023-2024)*

We are pleased to inform that Dr. J. Deepa, Professor, Department of Food Technology, Hindusthan College of Engineering and Technology is awarded with Research Seed Money by Hindusthan Educational and Charitable Trust as detailed below:

**AWARDEE DETAILS**

Name of the PI & Designation	Dr. J. Deepa, Professor
Name of the Co-PI & Designation	Ms. T. Nivetha, Assistant Professor
Department	Food Technology
Institution	Hindusthan College of Engineering and Technology
Title of the Project	Fortification of extruded snack with watermelon and muskmelon peel powder
Sanctioned Amount	Rs. 45,000/- (Forty-five thousand only)
Duration of the project	6 months
Approval Date	06.11.2023

**Note:** PIs are requested to complete the project and submit the Report, Utilization Certificate (UC) and Statement of Expenditure (SoE) to the undersigned on or before 31<sup>st</sup> May 2024.

*Enc: 1. Policy of Research Seed Money Scheme (Annexure 1)*

*2. Undertaking (Annexure -2)*

  
Signature of the Head of Institute  
Seal of the Institute  
(Dr. J. JAYA)  
**PRINCIPAL**  
Hindusthan College Of Engineering & Technology  
COIMBATORE - 641 032.

Date: 06.11.2023

## Award of Research Seed Money

*(Under the grants earmarked for the Academic Year 2023-2024)*

We are pleased to inform that Dr. Mohanraj M. Professor, Department of Mechanical Engineering, Hindusthan College of Engineering and Technology is awarded with Research Seed Money by Hindusthan Educational and Charitable Trust as detailed below:

### AWARDEE DETAILS

Name of the PI & Designation	Dr. Mohanraj M, Professor
Name of the Co-PI & Designation	Dr. Karthick L, Assistant Professor
Department	Mechanical Engineering
Institution	Hindusthan College of Engineering and Technology
Title of the Project	Development of Heat Pump Assisted Regenerative Solar stills
Sanctioned Amount	Rs. 160000/- (One Lakh Sixty Thousand Only)
Duration of the Project	6 Months
Approval Date	06.11.2023

**Note:** PIs are requested to complete the project and submit the Report, Utilization Certificate (UC) and Statement of Expenditure (SoE) to the undersigned on or before 31<sup>st</sup> May 2024.

  
Principal

PRINCIPAL

Hindusthan College of Engineering and Technology  
COIMBATORE - 641 032.

Enc: 1. Policy of Research Seed Money Scheme (Annexure- 1)

2. Undertaking (Annexure - 2)

