



**Jet Aerospace**  
Aviation Research Center



Date: 20<sup>th</sup> Apr 2022

To

**Dr. M.PREMKUMAR**

Principal

Paavai Engineering College (Autonomous)

Namakkal

Dear Sir,

Reference: Our MoU Dated 15.10.2019

Greetings from the Jet Aerospace Aviation Research Center. We are interested in working on a project that involves using drones for agricultural purposes. Additionally, we would like to contribute our resources through product creation and research. For agricultural land, we're looking for a drone that drops seeds with a cost estimation of Rupees 43,000/-. Make sure to us a profile of your faculty in the area of drone building and analysis if you are interested in collaborating with us on research and product development.

In this regard, we look forward to hearing from your reputable institution as soon as possible.

Thanking you,

**Jet Aerospace Aviation Research Center**

J. B. J.



+91-8883276477  
+91-9809812378



Nera KTC, Kanjikode Industrial Area  
Palakkad-678 623, Kerala, India.



www.jetaero.in  
info.jetaerospace@gmail.com

TIN No. 33033140353  
CST. No. 411139



**GANESH SEEDS**

30, Paithur Road,  
**ATTUR - 636141.**  
Salem (Dt), Tamil Nadu.

FACT : 241368  
RESI : 240068

Date: 15-12-2021

To

Dr.A.Vivekanandhini,  
Head of Department,  
Agriculture Engineering,  
Paavai Engineering College,  
Pachal, Namakkal – 637018.

Subject: - Grant of financial support for conducting the Research Project Work at  
Department of Agriculture Engineering, Paavai Engineering College -Reg.

Madam,

Kindly refer your letter dated 28.11.2021 to the above mentioned subject.

We wish to state that, you can conduct your Research Project work on  
**“Tissue culture in Red Banana”** which we have received the proposal already.  
With reference to the above we are ready to sanction the grant of amount Rs  
15,000 for conducting their Project work. Kindly complete and intimate the  
completion of work with in stipulated time mentioned in the proposal.

Thanking you.

FOR GANESH SEEDS

Shri. Jagadeswaran  
Managing Director



**JOHN DEERE**

**Rasi Agriculture and Construction Equipments**

Head Office :

146/2, Amaravathy Nagar,  
Bangalore Highway, Mamangam,  
Salem - 636 302.

Tamilnadu, INDIA

Ph : +91-427 - 2341533

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Email : sales.crm@racesonline.in

GSTIN : 33AAKFR0168G1ZB PAN : AAKFR0168G

**RACES**  
"Our People Make the Difference"

Date: 01-03-2022

To

Head of Department,  
Agriculture Engineering,  
Paavai Engineering College,  
Pachal, Namakkal – 637018.

Subject: - Grant of financial support for conducting the Research Project Work at  
Department of Agriculture Engineering, Paavai Engineering College -Reg.

Sir/Madam,

Please refer your letter dated 20.03.2022 to the above mentioned subject.

It is our pleasure to inform that, based on the proposal sent already to carry out the project work entitled "FABRICATION OF VEGETABLES SEEDLINGS TRANSPLANTER by Agriculture Engineering department, Paavai Engineering college, we have initiated the grant of amount Rs 10,000 for the same. Kindly complete and intimate the completion of work with in stipulated time mentioned in the proposal.

**For RACES**

**V.SHANMUGAM**  
**Managing Partner**



Reg.Off. : 3/422, Cuddalore Main Road, Bharathipuram, Thulukkanoor, ATTUR - 636 141, Salem(Dt) Cell : 90470 11333  
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## Thangam Associates

• CIVIL ENGINEERS • ARCHITECTS • VALUERS

**Er. M. SIBI CHAKRAVARTHY** D.C.E., D.E.,  
Civil Engineering Consultant  
**Er. N. MANICKAM**, B.E., MIE, FIV  
• Licensed Building Surveyor  
• Chartered Civil Engineer M/056532 / 6  
• Competent person under factories act  
• Registered Valuer for IT act, WT act,  
G.T. act, C.I/205 / 91  
• District Panel Engineer - Class IA  
Reg No 24740 / 2007 / C2  
• Approved Valuers - F. 5047  
• Approved Engineer & Valuer for LIC, SCGB  
Indian Bank, Corporation Bank, TIIC, KVD  
Axis Bank, State Bank of India etc.

Date: 01.07.2021

To

The Head of the Department  
Department of Civil Engineering  
Paavai Engineering College  
Pachal, Namakkal-637018

Subject: Grant of financial support for carrying out the **Testing of Soil (Compaction Test)** at department of Civil Engineering, Paavai Engineering College.

Sir/Madam,

Please refer your letter dated 25.06.2021 to the above mentioned subject.

With reference to the above we are ready to sanction the grant of amount **Rs 4500** for carrying out the research project work "**Testing of Soil (Compaction Test)**" which we have received the proposal already. Kindly complete and intimate the completion of work with in stipulated time mentioned in the proposal.

Thanking You

For

Thangam Associates

**N. MANICKAM**, B.E., MIE, FIV,  
Chartered Civil Engineer / Valuer  
District Panel Engineer - Class I A  
Approved Valuer for Banks  
at: C.F. Kannan Street  
Rangapuram - 637 408, Namakkal (TN)





# PAAVAI ENGINEERING COLLEGE

(Autonomous Institution)

(Approved by AICTE and Affiliated to Anna University)

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Paavai Nagar, NH - 7, PACHAL, NAMAKKAL - 637 018. Tamil Nadu

☎ 04286-243038, 58,80 & 90 Fax: 04286-243068 Email: pecprncipal@paavai.edu.in website: http://pec.paavai.edu.in

Date: 10.07.2021

Ref: PEC/Civil/SML/2021/001

To

Er. N.Manickam,  
66, CP Kannaiya Street,  
Rasipuram.

Dear Sir,

Sub: Testing of Soil- reg

\*\*\*\*\*

The compacted Test on soil samples collected by us from the locations shown by your representative is tested and the results are tabulated below

## LABORATORY TEST REPORT- COMPACTION TEST RESULTS

Source of specimens : Collected from Construction of BJP District Head office Building, Near Collectrate, Namakkal.  
Condition of Samples : Satisfactory.  
Date of Testing : 10.07.2021  
Contractor : Er. N.Manickam,  
66, CP Kannaiya Street, Rasipuram.  
Sample ID : 01, 02, 03, 04/BJPO-Soil  
Site location : BJP District Head office Building, Near Collectrate, Namakkal.

| S.No | List                                        | SAMPLES |      |      |       |
|------|---------------------------------------------|---------|------|------|-------|
|      |                                             | 01      | 02   | 03   | 04    |
| 1    | Core cutter No.                             | 1       | 2    | 3    | 4     |
| 2    | Internal Diameter (mm)                      | 100     | 100  | 100  | 100   |
| 3    | Internal Height (mm)                        | 127     | 127  | 127  | 127   |
| 4    | Mass of empty core cutter ( $M_1$ ) (g)     | 875     | 875  | 875  | 875   |
| 5    | Mass of core cutter with soil ( $M_2$ ) (g) | 2603    | 2578 | 2570 | 2589  |
| 6    | Mass of the soil only $M = M_2 - M_1$ (g)   | 1728    | 1703 | 1695 | 1714  |
| 7    | Volume of cutter ( $v$ ) ( $\text{cm}^3$ )  | 997     | 997  | 997  | 997   |
| 8    | Water content (%)                           | 1.4     | 1.3  | 1.5  | 1.4   |
| 9    | Field density ( $\text{g}/\text{cm}^3$ )    | 1.73    | 1.7  | 1.7  | 1.719 |
| 10   | Dry density ( $\text{g}/\text{cm}^3$ )      | 1.71    | 1.67 | 1.67 | 1.68  |
| 11   | Degree of compaction (%)                    | 97.9    | 95.4 | 95.4 | 96.0  |
| 12   | Remarks                                     | Good    | Good | Good | Good  |

Specified limits (as per IS: 2720-85): Degree of Compaction: i) 85-90% - Low Compaction, ii) 90-95% - Moderate Compaction, iii) Above 95% - High Compaction

Tested By: Soil Mechanics Laboratory, Department of Civil Engineering

*N. Manickam*  
HOD/CIVIL



*P. Manickam*  
PRINCIPAL  
PAAVAI ENGINEERING COLLEGE  
NH-7, PACHAL Post, NAMAKKAL Dist

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# Thangam Associates

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**Er. M. SIBI CHAKRAVARTHY** D.C.E., B.E.  
Civil Engineering Consultant  
**Er. N. MANICKAM**, B.E., MIE, FIV  
• Licensed Building Surveyor  
• Chartered Civil Engineer M058632 / 0  
• Competent person under Indian act  
• Registered Valuer for IT act, WT act  
G.T. act, C.I. 205 / 91  
• District Panel Engineer - Class I A  
Reg. No. 24740 / 2007 / C2  
• Approved Valuers - F. 6047  
• Approved Engineer & Valuer for LIC, SCGB  
Indian Bank, Corporation Bank, TICC, KVD  
Axis Bank, State Bank of India etc.

To

Date: 20.07.2021

The Head of the Department  
Department of Civil Engineering  
Paavai Engineering College,  
Pacha, Namakkal-637018

Sir/Madam,

I am writing this letter to tell you that it has been a pleasure working with you for **Testing of Soil (Compaction Test)**.

I would like to thank for the commendable work done by you with reasonable rate with time. You had exceptional skills and you were very sincere towards your work. We appreciate your sincere and completion of the **Testing of Soil (Compaction Test)** for the amount of Rs 4500.

For  
Thangam Associates

**N. MANICKAM**, B.E., MIE, FIV  
Chartered Civil Engineer / Valuer  
District Panel Engineer - Class I A  
Approved Valuer for Banks  
No. C.P. Kannaiyah Street  
Kannuram - 637 404, Namakkal (TN)



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• District Panel Engineer - Class IA  
Reg. No. 24740 / 2007 / C2  
• Approved Valuers - F. 5047  
• Approved Engineer & Valuer for LIC, SCCB  
Indian Bank, Corporation Bank, TNC, KVB  
Axis Bank, State Bank of India etc.

Date: 08.07.2021

To

The Head of the Department  
Department of Civil Engineering  
Paavai Engineering College  
Pachal, Namakkal-637018

Subject: Grant of financial support for carrying out the **Compressive Strength Test on Concrete Cubes** at department of Civil Engineering, Paavai Engineering College.

Sir/Madam,

Please refer your letter dated 05.07.2021 to the above mentioned subject.

With reference to the above we are ready to sanction the grant of amount **Rs 3600** for carrying out the research project work "**Compressive Strength Test on Concrete Cubes**" which we have received the proposal already. Kindly complete and intimate the completion of work with in stipulated time mentioned in the proposal.

Thanking You

For

Thangam Associates

N. MANICKAM, B.E., MIE, FIV.  
Chartered Civil Engineer / Valuer  
District Panel Engineer - Class I-A  
Approved Valuer for Banks  
60, C.F. Kannaiah Street  
Pachal - 637 408, Namakkal (TN)





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☎ 04286-243038, 58,88 & 98 Fax: 04286-243068 Email: pecprincipal@paavai.edu.in website: http://pec.paavai.edu.in

## TEST REPORT

08.07.2021

### Client Details

Name of the Client : Er. N.Manickam,  
66 CP Kannaiya Street,  
Rasipuram.

### Test Conducted Details

Name of the Test : Compressive Strength Test on Concrete Cubes  
Report No. : PEC /CIVIL/ Concrete Lab / Letter No.06/dt:08.07.2021

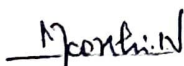
### Test Sample Details

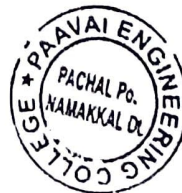
Cube Cast on : 21.06.2021  
Grade of Concrete : M20  
No. of Samples : 2

### Test Results

Plinth Beam

| S.No | Curing days | Concrete Cube Size (mm) | Area (mm <sup>2</sup> ) | Weight (Kg) | Sample Received on | Sample Tested on | Ultimate Load (kN) | Compressive Strength (N/mm <sup>2</sup> ) |
|------|-------------|-------------------------|-------------------------|-------------|--------------------|------------------|--------------------|-------------------------------------------|
| 1    | 7           | 150x150                 | 22500                   | 8.4         | 29.06.2021         | 30.06.2021       | 340                | 15.11                                     |
| 2    | 14          | 150x150                 | 22500                   | 8.1         | 06.07.2021         | 07.07.2021       | 410                | 18.22                                     |

  
Concrete Lab Incharge



  
Principal

PAAVAI ENGINEERING COLLEGE  
NH-7, PACHAL Post, NAMAKKAL Dist





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## TEST REPORT

22.07.2021

### Client Details

Name of the Client : Er.N.Manickam,  
66 CP Kannaiya Street, Rasipuram.  
Site Location : BJP Head Office, Namakkal.

### Test Conducted Details

Name of the Test : Compressive Strength Test on Concrete Cubes  
Report No. : PEC /CIVIL/ Concrete Lab / Letter  
No.7/dt:22.07.2021

### Test Sample Details

Cube Cast on :21.06.2021  
Grade of Concrete : M20  
No. of Samples : 1

### Test Results

Plinth Beam

| S.No | Curing days | Concrete Cube Size (mm) | Area (mm <sup>2</sup> ) | Weight (Kg) | Sample Received on | Sample Tested on | Ultimate Load (kN) | Compressive Strength (N/mm <sup>2</sup> ) |
|------|-------------|-------------------------|-------------------------|-------------|--------------------|------------------|--------------------|-------------------------------------------|
| 1    | 28          | 150x150                 | 22500                   | 8.6         | 20.07.2021         | 21.07.2021       | 620                | 27.55                                     |

Lab Incharge

HOD/CIVIL

Head of the Department,  
Department of Civil Engineering,  
Paavai Engineering College,  
Pachal, Namakkal - 637 018

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## TEST REPORT

11.08.2021

### Client Details

Name of the Client : Er. N.Manickam,  
66 CP Kannaiya Street, Rasipuram.

Site Location : BJP Head Office, Namakkal.

### Test Conducted Details

Name of the Test : Compressive Strength Test on Concrete Cubes  
Report No. : PEC /CIVIL/ Concrete Lab / Letter No.08/dt:11.08.2021

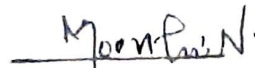
### Test Sample Details

Cube Cast on : 11.07.2021  
Grade of Concrete : M20  
No. of Samples : 3

### Test Results

Ground Floor-Column Concrete

| S.No | Curing days | Concrete Cube Size (mm) | Area (mm <sup>2</sup> ) | Weight (Kg) | Sample Received on | Sample Tested on | Ultimate Load (kN) | Compressive Strength (N/mm <sup>2</sup> ) |
|------|-------------|-------------------------|-------------------------|-------------|--------------------|------------------|--------------------|-------------------------------------------|
| 1    | 7           | 150x150                 | 22500                   | 8.3         | 19.07.2021         | 20.07.2021       | 330                | 14.66                                     |
| 2    | 14          | 150x150                 | 22500                   | 8.4         | 26.07.2021         | 27.07.2021       | 420                | 18.66                                     |
| 3    | 28          | 150x150                 | 22500                   | 8.4         | 09.08.2021         | 10.08.2021       | 650                | 28.88                                     |

  
Lab Incharge

  
HOD/CIVIL

Head of the Department,  
Department of Civil Engineering,  
Paavai Engineering College,  
Pachal, Namakkal - 637 018





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## TEST REPORT

11.09.2021

### Client Details

Name of the Client : Er. N.Manickam,  
66 CP Kannaiya Street,  
Rasipuram.

Site Location : BJP Head Office, Namakkal.

### Test Conducted Details

Name of the Test : Compressive Strength Test on Concrete Cubes  
Report No. : PEC /CIVIL/ Concrete Lab / Letter No.09/dt:11.09.2021

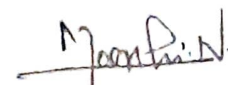
### Test Sample Details


Cube Cast on : 11.08.2021  
Grade of Concrete : M20  
No. of Samples : 3

### Test Results

Ground Floor-Roof Concrete

| S.No. | Curing days | Concrete Cube Size (mm) | Area (mm <sup>2</sup> ) | Weight (Kg) | Sample Received on | Sample Tested on | Ultimate Load (kN) | Compressive Strength (N/mm <sup>2</sup> ) |
|-------|-------------|-------------------------|-------------------------|-------------|--------------------|------------------|--------------------|-------------------------------------------|
| 1     | 7           | 150x150                 | 22500                   | 8.5         | 19.08.2021         | 20.08.2021       | 310                | 13.77                                     |
| 2     | 14          | 150x150                 | 22500                   | 8.4         | 26.08.2021         | 27.08.2021       | 420                | 18.66                                     |
| 3     | 28          | 150x150                 | 22500                   | 8.6         | 09.09.2021         | 10.09.2021       | 600                | 26.66                                     |

  
Lab Incharge

  
HOD/CIVIL  
Head of the Department,  
Department of Civil Engineering,  
Paavai Engineering College,  
Pachal, Namakkal - 637 018



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## TEST REPORT

22.09.2021

### Client Details

Name of the Client : Er. N.Manickam,  
66 CP Kannaiya Street, Rasipuram.

Site Location : BJP Head Office, Namakkal.

### Test Conducted Details

Name of the Test : Compressive Strength Test on Concrete Cubes

Report No. : PEC /CIVIL/ Concrete Lab / Letter

No.10/dt:22.09.2021

### Test Sample Details

Cube Cast on :22.08.2021

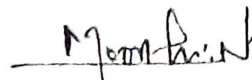
Grade of Concrete : M20


No. of Samples : 3

### Test Results

First Floor - Column Concrete

| S.No | Curing days | Concrete Cube Size (mm) | Area (mm <sup>2</sup> ) | Weight (Kg) | Sample Received on | Sample Tested on | Ultimate Load (kN) | Compressive Strength (N/mm <sup>2</sup> ) |
|------|-------------|-------------------------|-------------------------|-------------|--------------------|------------------|--------------------|-------------------------------------------|
| 1    | 7           | 150x150                 | 22500                   | 8.4         | 30.08.2021         | 31.08.2021       | 350                | 15.55                                     |
| 2    | 14          | 150x150                 | 22500                   | 8.3         | 06.09.2021         | 07.09.2021       | 420                | 18.66                                     |
| 3    | 28          | 150x150                 | 22500                   | 8.5         | 20.09.2021         | 21.09.2021       | 640                | 28.44                                     |

  
LAB-INCHARGE

  
[HOD- CIVIL]  
Head of the Department,  
Department of Civil Engineering,  
Paavai Engineering College,  
Pachal, Namakkal - 637 018.





# Thangam Associates

• CIVIL ENGINEERS • ARCHITECTS • VALUERS

Mr. M. SIVU CHAKRAVARTHY O.E., D.E.,  
Civil Engineering Consultant  
Mr. N. MANICKAM, B.E., AIE FIV  
• Licensed Building Surveyor  
• Chartered Civil Engineer M056032 / B  
• Competent person under factories act  
• Registered Valuer for IT act, VIT act,  
G.T. act, C.I. 1205 / 91  
• District Panel Engineer - Class 1A  
Reg. No. 24740 / 2007 / C2  
• Approved Valuers - F 6047  
• Approved Engineer & Valuer for LIC, SCCB  
Indian Bank, Corporation Bank, TDC, KVB  
Axis Bank, State Bank of India etc.

Date: 30.09.2021

To

The Head of the Department  
Department of Civil Engineering  
Paavai Engineering College,  
Pacha, Namakkal-637018

Sir/Madam,

I am writing this letter to tell you that it has been a pleasure working with you for  
compressive strength test of the concrete cubes.

I would like to thank for the commendable work done by you with reasonable rate with time. You  
had exceptional skills and you were very sincere towards your work. We appreciate your sincere and  
completion of the compressive strength test for the amount of Rs 3600.

For

Thangam Associates

N. MANICKAM, B.E., AIE FIV,  
Chartered Civil Engineer / Valuer  
District Panel Engineer - Class 1A  
Approved Valuer for Banks  
60, C.P. Kannaiah Street  
Namakkal-637018



**Thangam Associates**  
• CIVIL ENGINEERS • ARCHITECTS • VALUERS

Fr. M. SIBI CHAKRAVARTHY D.C.E., D.E.,  
Civil Engineering Consultant  
Fr. N. MANICKAM, B.E., MIE, FIV  
• Licensed Building Surveyor  
• Chartered Civil Engineer M055632 / 8  
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• Registered Valuer for IT act, WT act  
G.T. act, C.I. 205 / 91  
• District Panel Engineer - Class IA  
Reg. No. 24740 / 2007 / C2  
• Approved Valuers - F. 5047  
• Approved Engineer & Valuer for LIC, SCCB  
Indian Bank, Corporation Bank, TIG, KVB  
Axis Bank, State Bank of India etc.

Date: 12.09.2021

To

The Head of the Department  
Department of Civil Engineering  
Paavai Engineering College  
Pachal, Namakkal-637018

Subject: Grant of financial support for carrying out the **Compressive Strength Test on Fly Ash Bricks** at department of Civil Engineering, Paavai Engineering College.

Sir/Madam,

Please refer your letter dated 03.09.2021 to the above mentioned subject.

With reference to the above we are ready to sanction the grant of amount **Rs 1500** for carrying out the research project work "**Compressive Strength Test on Fly Ash Bricks**" which we have received the proposal already. Kindly complete and intimate the completion of work with in stipulated time mentioned in the proposal.

Thanking You

For

Thangam Associates

N. MANICKAM, B.E., MIE, FIV  
Chartered Civil Engineer / Valuer  
District Panel Engineer - Class I A  
Approved Valuer for Banks  
601, C.P. Ramaswami Street  
Pachal - 637 109, Namakkal (TN)

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## TEST REPORT

12.09.2021

### Client Details

Name of the Client : Er. N.Manickam,  
66 CP Kannaiya Street, Rasipuram.

Site Location : BJP Head Office, Namakkal.

### Test Conducted Details

Name of the Test : Compressive Strength Test on Fly Ash Bricks  
Report No. : PEC /CIVIL/ Concrete Lab / Letter No.11/dt:12.09.2021

### Test Sample Details

Classification : First Class Brick  
Brick Size (in mm) : 230x110x70  
No. of Samples : 5

### Test Results

| S.No. | Weight (Kg) | Sample Received on | Sample Tested on | Ultimate Load (kN) | Compressive Strength (N/mm <sup>2</sup> ) |
|-------|-------------|--------------------|------------------|--------------------|-------------------------------------------|
| 1     | 3.4         | 10.09.2021         | 11.09.2021       | 300                | 11.80                                     |
| 2     | 3.3         | 10.09.2021         | 11.09.2021       | 280                | 11.06                                     |
| 3     | 3.3         | 10.09.2021         | 11.09.2021       | 290                | 11.46                                     |
| 4     | 3.2         | 10.09.2021         | 11.09.2021       | 280                | 11.06                                     |
| 5     | 3.3         | 10.09.2021         | 11.09.2021       | 290                | 11.46                                     |

  
Lab Incharge

  
HOD/CIVIL

Head of the Department,  
Department of Civil Engineering,  
Paavai Engineering College,  
Pachal, Namakkal - 637 018.





## Thangam Associates

• CIVIL ENGINEERS • ARCHITECTS • VALUERS

Mr. M. S. CHANDRASEKHAR, B.E., M.E., P.E.  
Civil Engineering Consultant  
Mr. M. MANICKAM, B.E., M.E., P.E.  
• Licensed Building Surveyor  
• Chartered Civil Engineer M058632 / 3  
• Consultant person under factories act  
• Registered Valuer for IT act, VIT act  
G.T. act, C.I. 1905 / 91  
• District Panel Engineer - Class I A  
Reg. No. 24740 / 2007 / C2  
• Approved Valuers - F 6047  
• Approved Engineer & Valuer for LIC, SGC, B  
Indian Bank, Corporation Bank, TDC, KVD  
Axis Bank, State Bank of India etc.

Date: 30.09.2021

To

The Head of the Department  
Department of Civil Engineering  
Paavai Engineering College,  
Pacha, Namakkal-637018

Sir/Madam,

I am writing this letter to tell you that it has been a pleasure working with you for  
**Compressive Strength Test on Fly Ash Bricks.**

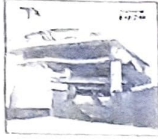
I would like to thank for the commendable work done by you with reasonable rate with time. You had exceptional skills and you were very sincere towards your work. We appreciate your sincere and completion of the **Compressive Strength Test on Fly Ash Bricks** for the amount of Rs 1500.

For

Thangam Associates

M. MANICKAM, B.E., M.E., P.E.  
Chartered Civil Engineer / Valuer  
District Panel Engineer - Class I A  
Approved Valuer for Banks  
No. C.P. Kannalish Street  
Kannalish - 637 008, Namakkal (TN)





**Thangam Associates**  
• CIVIL ENGINEERS • ARCHITECTS • VALUERS

Er. M. SIBI CHAKRAVARTHY D.C.E., B.E.  
Civil Engineering Consultant  
Er. N. MANICKAM, B.E., MIE, FIV  
• Licensed Building Surveyor  
• Chartered Civil Engineer M055632 / 0  
• Competent person under IAC055632 act  
• Registered Valuer for IT act, WT act  
Q.T. act, C 1205 / 191  
• District Panel Engineer - Class IV  
Reg. No. 24740 / 2007 / C2  
• Approved Valuers - F. 504T  
• Approved Engineer & Valuer for LIC, SCCO  
Indian Bank, Corporation Bank, TDC, KVD  
Axis Bank, State Bank of India etc.

Date: 15.09.2021

To

The Head of the Department  
Department of Civil Engineering  
Paavai Engineering College  
Pachal, Namakkal-637018

Subject: Grant of financial support for carrying out the **Water Absorption Test on Fly Ash Bricks** at department of Civil Engineering, Paavai Engineering College.

Sir/Madam,


Please refer your letter dated 10.09.2021 to the above mentioned subject.

With reference to the above we are ready to sanction the grant of amount **Rs 1500** for carrying out the research project work "**Water Absorption Test on Fly Ash Bricks**" which we have received the proposal already. Kindly complete and intimate the completion of work with in stipulated time mentioned in the proposal.

Thanking You

For

Thangam Associates

  
N. MANICKAM, B.E., MIE, FIV  
Chartered Civil Engineer / Valuer  
District Panel Engineer - Class I A  
Approved Valuer for Banks  
No. C 2, Kannadiah Street  
Egmore - 600 008, Chennai (C)



# PAAVAI ENGINEERING COLLEGE

(Autonomous Institution)

(Approved by AICTE and Affiliated to Anna University)

(Accredited by National Board of Accreditation, New Delhi & NAAC (UGC) with 'A' Grade)

Paavai Nagar, NH - 7, PACHAL, NAMAKKAL - 637 018, Tamil Nadu

☎ 04286-243038, 58,88 & 98 Fax: 04286-243068 Email: pecprincipal@paavai.edu.in website: http://pec.paavai.edu.in

## TEST REPORT

15.09.2021

### Client Details

Name of the Client : Er.N.Manickam,  
66 CP Kannaiya Street, Rasipuram.

Site Location : BJP Head Office, Namakkal.

### Test Conducted Details

Name of the Test : Water Absorption Test on Fly Ash Bricks

Report No. : PEC /CIVIL/ Concrete Lab / Letter  
No.12/dt:15.09.2021

### Test Sample Details

Classification : First Class Brick

Brick Size (in mm) : 230x110x70

No. of Samples : 5

### Test Results

| S.No. | Sample Received on | Sample Tested on | Weight W <sub>1</sub> (Kg) | Weight W <sub>2</sub> (Kg) | Water Absorption in % |
|-------|--------------------|------------------|----------------------------|----------------------------|-----------------------|
| 1     | 10.09.2021         | 11.09.2021       | 3.389                      | 3.856                      | 13.77                 |
| 2     | 10.09.2021         | 11.09.2021       | 3.356                      | 3.743                      | 11.53                 |
| 3     | 10.09.2021         | 11.09.2021       | 3.245                      | 3.761                      | 15.90                 |
| 4     | 10.09.2021         | 11.09.2021       | 3.388                      | 3.889                      | 14.78                 |
| 5     | 10.09.2021         | 11.09.2021       | 3.376                      | 3.864                      | 14.45                 |

Lab Incharge

HOD/CIVIL

Head of the Department,  
Department of Civil Engineering,  
Paavai Engineering College,  
Pachal, Namakkal - 637 018.



# Thangam Associates

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Civil Engineering Consultant  
Er. N. MANICKAM, B.E. M.E. FIV  
• Licensed Building Surveyor  
• Chartered Civil Engineer 1405632 / 19  
• Completed 1 person under 1000000 sq  
• Registered Valuer for IT and VIT and  
Q.T. and C. 1/2005/191  
• District Panel Engineer - Class 1A  
Reg. No. 24747 / 2007 / C2  
• Approved Valuers - F. 2047  
• Approved Engineer & Valuer for LIC, SCDE  
Indian Bank, Corporation Bank, TDC, KVB  
Rural Bank, State Bank of India etc.

To

Date: 30.09.2021

The Head of the Department  
Department of Civil Engineering  
Paavai Engineering College,  
Pacha, Namakkal-637018

Sir/Madam,

I am writing this letter to tell you that it has been a pleasure working with you for Water Absorption Test on Fly Ash Bricks.

I would like to thank for the commendable work done by you with reasonable rate with time. You had exceptional skills and you were very sincere towards your work. We appreciate your sincere and completion of the Water Absorption Test on Fly Ash Bricks for the amount of Rs 1500.

For

Thangam Associates

N. MANICKAM, B.E. M.E. FIV  
Chartered Civil Engineer / Valuer  
District Panel Engineer - Class 1 &  
Approved Valuer for Banks  
No. C.P. Kannanich Street  
Rampuram - 637 408, Namakkal (TN)



**Blossom associates**

**Prabhu Pandian**  
Blossom Associates

o : 0422 - 4200812 | m : +91 9894046573 | e : blossomholidayscbe@yahoo.co.in

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08-09-2021

To  
Dr.D.Banumathy,  
Professor,  
Department of Computer Science and Engineering,  
Paavai Engineering College,  
Pachal, Namakkal-637018

Subject: Grant approval for the Project Proposal –Reg

Respected Madam,

We are very happy to receive your letter regarding **“E-commerce and Online Sales Optimization”** ad your work matches our requirements. Our team had a review of your submission and decided to accept it and provide grant of amount **Rs 88000**. We hope the earliest completion of the project. All the best.

Sincerely,

  
Prabhu Pandian

**BLOSSOM ASSOCITES**  
108, NSR Road, Saibaba Colony.  
Coimboore - 641 011

---

**Mahindra Holidays & Resorts India Limited**  
108, NSR Road, bagyalakshmi Complex 2ns floor,  
Saibaba Colony, Coimbatore - 641 011  
[www.clubmahindra.com](http://www.clubmahindra.com)





**AVR NURSERY**  
**AgriG.Vengatraman, B.Sc(Agri)**

Asst Director of Horticulture (Retd)

Mobile No: 95242 03636, 94434 72208 UDYAM-TN-20-0000508

---

10-10-2021

To

Mrs.P.Renukadevi,  
Associate Professor,  
Department of Computer Science and Engineering,  
Paavai Engineering College,  
Pachal, Namakkal-637018

Subject: Grant approval for the Project Proposal –Reg

Respected Madam,

We are very happy to receive your letter regarding “**Strategic Branding and Marketing Campaign for [Product/Service]**” ad your work matches our requirements. Our team had a review of your submission and decided to accept it and provide grant of amount **Rs 50000**. We hope for the earliest completion of the project.

With Regards,

**AVR NURSERY**  
Agri Thottam, Telunganur,  
Kaveripuram(Po) ,Salem- 636 303



**AVR NURSERY**  
**AgriG.Vengatraman, B.Sc(Agri)**

Asst Director of Horticulture (Retd)

Mobile No: 95242 03636, 94434 72208 UDYAM-TN-20-0000508

12-02-2022

To

**Mr.Sivaganesh M,**  
**Associate Professor,**

Department of Computer Science and Engineering,  
Paavai Engineering College,  
Pachal, Namakkal 637018.

**Dear Professor Sivaganesh,**

**Subject: Appreciation for Outstanding Consultancy Service**

On behalf of AVR Nursery, I am writing to express our sincerest gratitude and appreciation for the exceptional consultancy service you provided to our organization. Your Proposal on “**Marketing Assistance**” was accepted and we would like to grant **Rs 40000** for the completion of the work

Your expertise, dedication, and guidance have been invaluable in helping us tackle complex challenges and achieve our business goals. Your professionalism and commitment to delivering results have left a lasting impression on our team. The clear communication and seamless collaboration exhibited during the project have fostered a productive working relationship.

Your efforts have directly contributed to Marketing our Product. Thanks to your consultancy service, we are now better equipped to address challenges and embrace new opportunities in our ever-evolving market.

As a token of our gratitude, we would like to present you with a small token of appreciation. Additionally, we hope that this letter of appreciation can serve as a testament to your professionalism and expertise, which will undoubtedly benefit you in your future endeavours.

Wishing you continued success and prosperity.

With Regards,

**AVR NURSERY**  
Agri Thottam, Telunganur,  
Kaveripuram(Po) ,Salem- 636 303



To

17-11-2021

**Dr.A.Stephen Thangaraj**

**Professor,**

Department of Computer Science and Engineering,  
Paavai Engineering College,  
Pachal, Namakkal 637018.

**Dear Professor,**

**Subject: Appreciation for Outstanding Consultancy Service**

I am writing to express our sincerest gratitude and appreciation for the exceptional consultancy service you provided to our organization. Your Proposal on “**Human Resources Management**” was accepted and we would like to grant **Rs 55000** for the completion of the work

Your expertise, dedication, and guidance have been invaluable in helping us tackle complex challenges and achieve our business goals. Your professionalism and commitment to delivering results have left a lasting impression on our team. The clear communication and seamless collaboration exhibited during the project have fostered a productive working relationship.

Wishing you continued success and prosperity.







File No. STDC/MIC/GRANT/215/2021-22/ 36

Dated: 29 .03 . 2022

**All India Council for Technical Education**  
(A Statutory body under Ministry of Education, Govt. of India)  
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: [www.aicte-india.org](http://www.aicte-india.org)

**Grant Support to Innovations - Sanction Letter**

To

The Drawing and Disbursing Officer,  
All India Council for Technical Education,  
Nelson Mandela Marg, Vasant Kunj,  
New Delhi - 110070

**Sub:** Sanction of Rs. 500000/- ( Rs. Five Lakh only) being the Grant-in-Aid under the scheme of Grant Support to Innovations, MIC for the year 2021-22 payable during the current financial year 2021-22 to Paavai Engineering College,

Sir,

With reference to the approval of the Council, this is to convey the sanction for payment of Rs. 500000/- ( Rs. Five Lakh only) as Grant-in-Aid under the Grant Support to Innovations, MIC Scheme for Innovation titled 'SMART IV FLUID BOTTLE FOR HEALTH CARE USING ROBOTIC ARM' as per details given below: -

|    |                                                                                            |                                                                                                                        |
|----|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 1. | Name and address of the Beneficiary Institution/ Institute / Incubation Unit               | Paavai Engineering College, Paavai Engineering College, Paavai Nagar, NH-44, Pachal, Namakkal, Tamil Nadu, Pin- 637018 |
| 2. | Name of the Team Leader:                                                                   | Nisha N                                                                                                                |
| 3. | Duration of the scheme:                                                                    | 1 (one) year upto 31-03-2023                                                                                           |
| 4. | Total Grant-in-aid Sanctioned:                                                             | Rs. 500000/-                                                                                                           |
| 5. | 1 <sup>st</sup> Phase Amount (50% of Grant-in-Aid) to be released during the year 2021-22: | Rs.250000/-                                                                                                            |
| 6. | Sanctioned grant-in-aid is debitable to:                                                   | 603.2 (a) General (MIC)                                                                                                |
| 7. | The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made            | M/S Paavai Engineering College MSME BI                                                                                 |

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 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 already communicated, and also being communicated in this letter.

**The instructions/guidelines to be followed by University/Institution/Incubation Unit****I. Release of funds**

- a. The Director/Principal is hereby requested to verify the correctness of the under mentioned bank account/ RTGS details submitted by them along with the proposal, in which the grant is being released:

| Institute/Incubation PAN No. | Bank Name           | Bank Branch Name | Bank Branch Address | Account Holder Name                    | Account Type    | Account Number  | IFSC Code   |
|------------------------------|---------------------|------------------|---------------------|----------------------------------------|-----------------|-----------------|-------------|
| AAATP6024D                   | Union Bank Of India | Namakkal         |                     | M/S Paavai Engineering College MSME BI | Savings Account | 520101267198756 | UBIN0902021 |

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. **50% of the total sanctioned project amount as grant-in-aid is being released to the Institute / Incubation Unit. Next 50% will be released after 06 months or achieving 50% milestone, whichever is earlier, based on the framework developed by MIC. Student Development Cell will process the payment of next instalment on receipt of Satisfactory Report from MIC duly approved by Competent Authority.**
- d. The activities related to the project for which funds have been disbursed shall be closely monitored by MIC.

**II. Maintenance of accounts**

- a. The Institute shall strictly follow the guidelines issued by this office.
- 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.
- c. The Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on the scheme/specified project.
- 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 which it was sanctioned.
- e. **The date of announcement of result by AICTE shall be taken as the commencement of the project. The Team / Start up can submit the details of expenditure with bills and vouchers at the incubation unit (or) institution for reimbursement of any expenses incurred by them towards procurement of equipment, materials, items for the innovation project work during the period between the announcement of result by AICTE and release of grant. In such cases, respective institution needs to verify the expense details and bills and ensure that these expenses were made for development of the innovation project sanctioned by AICTE only.**
- f. 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.
- g. After receipt of the grant from AICTE, the Institute/ Incubation Unit shall send a confirmation to AICTE within one (01) month of receipt of grant that the sanctioned project has been started/is in progress.

**III. Instructions for Implementation of project funds**

1. Approximately 50-60% of the total fund granted to an innovation team can be used for technology development/process development/innovation refinement and market research. This budget category may include expenses incurred towards above activities, logistics and procurement of raw materials, expenses to carry out market research, mentorship and fees related to incubation services availed through incubation unit (if chargeable).
2. Up to 20% may be utilized towards cost of startup registration as per DPIIT norm and consultation, IP filing, legal and fulfillment of other regulatory compliances towards operationalization the startup activities and launch of product/services.
3. Up to 10% may be utilized towards participation fee and travel to represent or participate in any national level competition / exhibition/ training / workshop related Innovation/Startup/IPR.
4. Up to 10% may be used for miscellaneous activities related to above categories.
5. Advance to student team lead can be given for the expense and settlement for which original receipt of expenses duly signed by student team lead will be submitted to the Institute on monthly basis.
6. A copy of summary of expenses should be provided to the students by Institute on monthly basis.
7. **Guidelines regarding procurement of equipment, material & items for the Innovation Project Work and procedure for taking reimbursement of expenses are incorporated as Annexure –I of this Sanction Letter.**

**IV. Refund of grant (by way of a demand draft in favor of Member Secretary, AICTE, New Delhi)**

- a. In any case, if the institute is required to refund the grant or interest accrued thereon or balance amount, the amount will be refunded to AICTE. Consent from the concerned team lead with duly signed copy need to be attached.
- b. If project is not started within three (03) months after 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.

**V. Submission of documents by college / institution / Incubation Unit after completion of project**

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 (finalized / given by MIC).
- b. Original Statement of actual expenditure in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor

Note: The institution is not required to submit bills/ vouchers/ invoices etc. for the expenditure incurred out of recurring grants. However, such copies of bills/ vouchers/ invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc. on the portal for availability and view at any point of time.

- 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 as Annexures – II & III.
- e. **Program Evaluation Committee (PEC)** is required to be constituted at Institutional level. The constitution of the PEC shall be as under:
- (i) Incubation unit head/HOD/Principal/Director/Registrar of the Institution (Chairperson)
  - (ii) Coordinator of the Project from incubation unit/institute (Member Secretary),
  - (iii) Two subject experts/entrepreneurs/startup founders.
- The members of the said PEC shall not be below the rank of Associate Professor. 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 indicating the activities undertaken by the Innovation Team, achievements against milestones & targets submitted at the beginning of project.

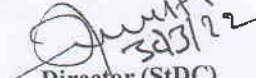
**VI. General instructions**

- a. If program is not started in the period of three (03) months of the issuance of this Sanction Letter, the released amount, along with interest accrued thereon, has to be returned back to AICTE. Kindly mention the File No. STDC/MIC/GRANT/215/2020-21/36 dated : 29-03-2022 in your future correspondence.

The grantee Institution/Incubation Unit 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-rules-2017-0>) should be followed during utilization of grant.

- b. This Sanction Letter may be treated as Offer Letter for all purposes.

Yours Sincerely,

  
Director (STDC)

- Encl: 1. Guidelines regarding procurement of equipment, material & items for the Innovation Project Work and procedure for taking reimbursement of expenses (Annexure –I)
2. Formats of Statement of Expenditure & Utilisation Certificate (Annexures – II & III)

Copy forwarded for information and necessary action to:

1. Paavai Engineering College, Paavai Engineering College, Paavai Nagar, NH-44, Pachal, Namakkal, Tamil Nadu, Pin- 637018.  
Tel : 04286243058, Email : pecprincipal@paavai.edu.in
2. Nisha N, nishanis1019@gmail.com
3. MIC
4. Guard File

**Annexure – I**

**Guidelines Regarding Procurement of Equipment, Material & Items for the Innovation Project Work and Procedure for Taking Reimbursement of Expenses**

- 1) The team/start-up can claim the expenses incurred towards the innovation project for reimbursement. The bills/invoice can be raised either in the name of team lead of innovation (or) startup registered by the team (or) incubation unit (or) institute name. In all such cases, these bills need to be verified by the incubation unit where the innovation is incubated (or) directly by the committee established at institute for reimbursement to the team.
- 2) The team/start-up can directly procure the items or materials or equipment required for the innovation project from the open market or GEM portal. The bills/invoice can be raised either in the name of team lead of innovation (or) startup registered by the team (or) incubation unit (or) institute name. In such case, these bills need to be verified by the incubation unit where the innovation is incubated (or) directly by the committee established at institute for reimbursement.
- 3) Both reimbursement and advance mode of fund utilization is permissible. The team/start-up can submit request for advance amount to incubation unit (or) institute for the expenses towards procurement of equipment, materials, items and other major expenses falling under the prescribed budget heads. The incubation unit (or) institute needs to verify the requirement. The team/start-up can avail advance amount up to Rs. 50,000 or 20% of total grant sanctioned for the above expenses. Teams are required to settle the advance amount taken with all bills and vouchers within a period of two months from the date of advance taken from incubation unit (or) institute. Team can't avail advance for second time without clearing the advance taken previously.
- 4) In case the fund is released to institution and the team/start-up is incubated in the incubation unit which is part of the institute/university and located in the same campus, then team/start-up can request the institute to transfer the grant to the incubation unit for utilisation (or) team/start-up can submit the expense details verified by the incubation unit to the institute for reimbursement whichever is convenient. Both Incubation unit and institution needs to work out a suitable mechanism for smooth and quick process for fund utilization for the innovation development work.
- 5) In case the fund is released to institution and the team/start-up is incubated in the incubation unit which is different from the institution/university and located in different place, then team/start-up can request the institute to transfer the grant to the incubation unit for utilisation (or) team/start-up can submit the expense details verified by the incubation unit to the institute for reimbursement whichever is convenient. Incubation unit and institution both needs to work out a suitable mechanism for smooth and quick process for fund utilization for the innovation development work.
- 6) The Grant-in-Aid fund is channelized through the incubation unit (or) institute exclusively for the mentioned innovation project development and start-up establishment work. The prescribed budget heads in the sanction letter and GIA also covers expenses towards rental charge for incubation space and service fees for technical and mentoring support and access to lab facilities. The team/start-up can utilise the fund for the above services while receiving incubation support at the incubation unit (or) institute. In this scenario, so far the innovation is developed by the team with no substantial financial resources (or) technical contribution made by the institute, the Intellectual Property (IPs) associated with the innovation will remain with the team/start-up only. In such case, institute can't claim any ownership on the IP generated by the team/start-up. Similarly, if team has registered the start-up, they can avail the incubation services either on rental mode or equity mode (or) both. In case of equity mode, incubation unit can ask for equity sharing only after having a minimum 3 months' incubation service with the team/start-up on rental mode. The incubation unit can't own more than 9.5% of total equity in the start-up.

Annexure – IIINNOVATION CELLGRANT SUPPORT TO INNOVATIONSSTATEMENT OF EXPENDITURE

|                                                         |  |
|---------------------------------------------------------|--|
| Permanent ID of Institute ( If Applicable)              |  |
| Name and address of the Institute/Incubation Unit       |  |
| Name of Head of Institute/Incubation Unit               |  |
| Mobile No.                                              |  |
| Landline No.                                            |  |
| Email id :                                              |  |
| Sanction Order No. & Date                               |  |
| Total Grant Sanctioned                                  |  |
| Total Amount Received (1 <sup>st</sup> & II Instalment) |  |
| Accrued Interest on Grant                               |  |
| Name of the Team Leader                                 |  |

| EXPENDITURE DETAILS – HEAD WISE |                                                                                                                                                                                                                                                                                                                                                        |                       |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| S. No.                          | Expenditure Head                                                                                                                                                                                                                                                                                                                                       | Spent Amount (in Rs.) |
| 1.                              | Technology development/process development/innovation refinement and market research. It includes expenses related to logistics and procurement of raw materials, expenses to carry out market research, mentorship and fees related to incubation services available through incubation units (if chargeable). (50-60% of the total fund sanctioned). |                       |
| 2.                              | Startup Registration as per DPIIT norm and Consultation Fee, IP filing, Legal Fee and fulfillment of other regulatory compliances towards operationalization of the startup activities and launch of product/services. (Up to 20% of the total fund sanctioned).                                                                                       |                       |
| 3.                              | Participation Fee and Travel to represent or participate in any national level competition / exhibition/ training / workshop related to Innovation/Startup/IPR etc. (Up to 10% of the total fund sanctioned).                                                                                                                                          |                       |
| 4.                              | Miscellaneous activities related to above categories (Up to 10% of the total fund sanctioned).                                                                                                                                                                                                                                                         |                       |
| TOTAL EXPENDITURE :             |                                                                                                                                                                                                                                                                                                                                                        |                       |

(1) \_\_\_\_\_  
**Signature of Team Leader**  
**Name :**  
**Designation :**  
**Mobile No.**

(2) \_\_\_\_\_  
**Signature of Head of Institution/Incubation Unit**  
**Name :**  
**Designation :**  
**Mobile No.**

(3) \_\_\_\_\_  
**Signature (with Seal of the Finance Officer/**

(4) \_\_\_\_\_  
**Signature of Chartered Accountant:**

**Auditor/Accounts Officer)**

(If it is Govt./Govt. Aided Institute)

**Rubber stamp:**

**Full Address of CA :**

**Date:**

**Name of Chartered Accountant:**  
**Membership No:**



**Annexure – III****INNOVATION CELL****GRANT SUPPORT TO INNOVATIONS****UTILIZATION CERTIFICATE**

|                                                       |                                     |
|-------------------------------------------------------|-------------------------------------|
| Permanent ID of Institute (if Applicable) :           |                                     |
| Name of Institute/Incubation Unit:                    |                                     |
| Name of the Scheme under which Grant sanctioned :     | <b>Grant Support to Innovations</b> |
| Grant Amount Sanctioned:                              |                                     |
| Advance Amount Received (1 <sup>st</sup> Instalment): |                                     |

| AICTE Sanction Order No. & Date under which Grant was sanctioned | Amount Received (1 <sup>st</sup> & 2 <sup>nd</sup> Instalment): (Rs.) | CERTIFICATE                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                  |                                                                       | <p>Certified that out of the Grant of Rs. _____ (in words) disbursed by the AICTE during the Financial Year _____ as per letter mentioned in the margin, along with interest of Rs. _____ accrued on grant, a sum of Rs. _____ has been utilized for the purpose for which it was sanctioned.</p> <p>The balance of unutilized amount of Rs. _____ to be refunded to AICTE, along with accrued interest of Rs. _____ on grant.</p> |

Certified that I have satisfied myself that the conditions on which the Grant was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

**Kinds of checks exercised:****1. Receipt & Expenditure Details & Bills**

[Signature of Chartered Accountant]  
 Name of CA : \_\_\_\_\_  
 Membership No. : \_\_\_\_\_  
 Full Address : \_\_\_\_\_  
 [with seal]  
 (mandatory for self financing institutes)

[Signature of Head of the Institute/Incubation Unit]  
 Name : \_\_\_\_\_  
 Designation : \_\_\_\_\_  
 Full Address : \_\_\_\_\_  
 [with seal]

[Signature of the Finance Officer]  
 Name : \_\_\_\_\_  
 Designation : \_\_\_\_\_  
 Full Address : \_\_\_\_\_  
 [with seal]  
 (Govt./Govt.Aided/University & whatever applicable)

Place : \_\_\_\_\_  
 Date : \_\_\_\_\_



**THE INSTITUTION OF ELECTRONICS AND  
TELECOMMUNICATION ENGINEERS  
ERODE CENTRE**

c/o

**Kongu Engineering College Perundurai  
Erode-638060 Tamil Nadu India**

**CHAIRMAN**

**DR.P.Nirmala Devi**

**HONORARY SECRETARY**

**DR.S.Kavitha**

**HONORARY TREASURER**

**Mr.K.Kavin Kumar**

13.11.2021

To

Dr.M.Sudha  
Professor & Head  
Department of ECE  
Paavai Engineering College  
Namakkal

Dear Madam,

**Sub: Appreciation for conducting FDP in association with IETE Erode Centre-reg**

IETE Erode Centre congratulates the management and faculty of Department of ECE, Paavai Engineering College for conducting six days faculty development programme on the topic **“Emerging Technologies in Information and Telecommunication Engineering”** from 08.11.2021 to 13.11.2021. IETE Erode Centre sponsored **Rs.5000/- ( Five thousand )** to support the conduct of FDP. Once again, thank you for conducting programme in association with IETE Erode Centre and looking forward to see lot of programmes for the benefit of ISF students and corporate members of IETE.

Thank you

Yours Truly

Chairman/IETE Erode Centre

Phone: +91-4294-226531

Mobile: +91-7418530181

Fax: 04294-220087

Email: [ieteeroode@gmail.com](mailto:ieteeroode@gmail.com)

Website: [www.ieteeroode@kongu.edu](http://www.ieteeroode@kongu.edu)

## नवीनतम संशोधन / Latest Amendments

### 1. निष्क्रिय खाते के संबंध में / About Dormant Accounts

- लगातार 12 माह तक परिचालित न हुए बचत खाते को निष्क्रिय खाते के रूप में वर्गीकृत कर दिया जायेगा. निष्क्रिय खाते में परिचालन की अनुमति नहीं होगी. खाते को सक्रिय कराने के लिए ग्राहक कृपया शाखा प्रबंधक से संपर्क करे तथा निष्क्रिय खाते को पुनः सक्रिय कराये बिना उस पर कोई चेक जारी न करें.
- Saving Banks Accounts, which are inoperative for a continuous period of 12 months will be classified as Dormant. Operations will not be allowed in Dormant Account. Customers are requested to contact the Branch Manager for re-activating the account and are requested not to issue any cheques on Dormant Account before they are reactivated.

### 2. चेक पर परिवर्तन / अधिलेखन के संबंध में / About Alterations / Overwritings on cheques

- चेक पर कोई परिवर्तन / संशोधन न किया जाए. आदाता के नाम, रकम (पुनः वैधीकरण की दृष्टि से दिनांक में परिवर्तन को छोड़कर) आदि में परिवर्तन के लिए नया चेक प्रयोग करें.
- No changes/corrections should be carried out on the cheques. For any change in the payee's name, the amount (other than date for validation purpose) etc, fresh cheque forms should be used.

यूनियन बैंक ऑफ इंडिया  Union Bank of India

भारत सरकार का उपक्रम A Government of India Undertaking



शाखा / Branch :

शाखा का पता / Branch Address : NAMAKKAL  
2, PARAMATHI ROAD,  
शाखा का फोन नं. / Branch Phone NO. NO. 11, NAMAKKAL-637002

खाता नं. / Account No.: 9944988913

Issue date: 27-10-2021

Sl No: 2

TAMIL NADU INDIA

IFSC Code : UBIN0902021

In the Name of :

नाम / Name i) 520101069986548

ii) (SB GENERAL)

iii) M/S THE PRINCIPAL PAAVAI ENGINEERING COLLEGE

पेशा / Occupation:

पता / Address

खाता खोलने की तारीख : PAAVAI NAGAR  
Date of Opening A/c NAMAKKAL

03-06-2017

Pin: 637018 TAMIL NADU INDIA

नामांकन पंजीकृत / Nomination Registered हाँ Y / नहीं N

Branch Phone No : 9944988913

लेखाकार Accountant



| दिनांक<br>Date | विवरण<br>Particulars | सोल<br>आयडी<br>SOL<br>ID | चेक नं.<br>CHQ.<br>ID | निकाली गयी<br>राशि<br>DEBIT | जमा की गयी<br>राशि<br>CREDIT | जमाकर्ता के खाते में<br>शेष राशि<br>BALANCE | लेखाकर्ता का<br>INITIAL |
|----------------|----------------------|--------------------------|-----------------------|-----------------------------|------------------------------|---------------------------------------------|-------------------------|
|----------------|----------------------|--------------------------|-----------------------|-----------------------------|------------------------------|---------------------------------------------|-------------------------|

|            |                                                    |  |  |           |           |              |  |
|------------|----------------------------------------------------|--|--|-----------|-----------|--------------|--|
| B/F        |                                                    |  |  |           |           | 127.00Cr     |  |
| 28-12-2019 | OAB CHARGES OCT-DEC 2019 OTR                       |  |  | 100.00    |           | 27.00Cr      |  |
| 28-12-2019 | OAB GST-CHARGES OCT-DEC 2019 OTR                   |  |  | 18.00     |           | 9.00Cr       |  |
| 08-02-2020 | BY INT FOR THE PERIOD 01-11-2019 To 3              |  |  |           | 1.00      | 10.00Cr      |  |
| 28-11-2020 | A/C MIGRATED TO UBI:520101069986548                |  |  | 10.00     |           | 0.00         |  |
| 28-11-2020 | BALANCE TRANSFER 00000                             |  |  |           | 10.00     | 10.00Cr      |  |
| 25-08-2021 | NEFT:Science and Engineering Research47380         |  |  |           | 550000.00 | 550010.00Cr  |  |
| 07-09-2021 | TO CBCA 37 762189                                  |  |  | 540000.00 |           | 10010.00Cr   |  |
| 08-09-2021 | Lien marked charges recovered                      |  |  | 59.00     |           | 9951.00Cr    |  |
| 08-09-2021 | General Charges Recoverv                           |  |  | 59.00     |           | 9892.00Cr    |  |
| 08-09-2021 | General Charges Recoverv                           |  |  | 59.00     |           | 9833.00Cr    |  |
| 08-09-2021 | General Charges Recoverv                           |  |  | 59.00     |           | 9774.00Cr    |  |
| 08-09-2021 | Lien marked charges recovered                      |  |  | 118.00    |           | 9656.00Cr    |  |
| 15-09-2021 | BY CBCA 37                                         |  |  |           | 540000.00 | 549656.00Cr  |  |
| 02-10-2021 | 520101069986548: Int. Pd: 01-07-2021 to 30-09-2021 |  |  |           | 1317.00   | 550973.00Cr  |  |
| 31-12-2021 | NACH/77884096787 Credit Through 31001              |  |  |           | 650000.00 | 1206973.00Cr |  |
| 05-01-2022 | 520101069986548: Int. Pd: 01-10-2021 to 31-12-2021 |  |  |           | 4079.00   | 1205052.00Cr |  |
| 09-03-2022 | NEFT:AICTE SBIN422068851748 47380                  |  |  |           | 75000.00  | 1280052.00Cr |  |

# Ranga Electronics

404/405, Trichy Main Road, Gugai, Salem-636 006.

Contact: +91 98425 35901

---

July 28, 2021

To

Dr.M.Sudha  
Professor & Head,  
Department of ECE,  
Paavai Engineering College,  
Pachal, Namakkal 637018.

Sir/Madam,

Sub: Letter dated 06.07.16 to Visit your organization for Consultancy Project -Reg.

It was a pleasure in receiving your invitation request for consultancy project. Faculty's involvement with new technology in our concern is great appreciation for our new requirements. With reference to the above we are ready to sanction the grant amount of Rs.1,50,000/- for carrying out the consultancy project work titled, **"Smart crop protection system from animals and fire using laser"** which we have received the proposal already. Kindly complete and intimate the completion of work with in specified time mentioned in the tender.

It was a pleasure in receiving your invitation request for consultancy project.

Thanking you Sir,

Your Truly,



MANAGING DIRECTOR  
RANGA ELECTRONIC,  
SALEM

01.09.2021

To

Dr.M.Sudha  
Professor & Head,  
Department of ECE,  
Paavai Engineering College,  
Pachal, Namakkal 637018.

Sir/Madam,

Sub: - Project approval letter for carrying our Project Work at department of Electronics and Communiation Engineering, Paavai Engineering College.

**Ref:** Please refer your letter dated 28.07.2021 to the above mentioned subject.

With reference to the department visit and the discussion carried over, we of our concern decided to proceed out the Project work " Intelligent sericulture system using wireless sensor network and image processing "and also With reference to the above we are ready to sanction the grant amount of Rs.2,00,000 for carrying out the consultancy project work. Which we have received the proposal already.

We hope your project completion will meet our requirement with modern technology. Kindly complete and intimate the completion of work with in stipulated time mentioned in the Proposal.

Thanking you,

Yours sincerely,



(Managing Director)







FRONTLINE ELECTRONICS, INDIA

21.07.2021

To

Dr.M.Sudha  
Professor & Head,  
Department of ECE,  
Paavai Engineering College,  
Pachal, Namakkal 637018.

Sir/Madam,

**Sub:** Grant of financial Support for carrying out of our project work at department of Electronics and Communication Engineering, Paavai Engineering College-Reg.

**Ref:** Your letter dated 05.06.2021 to the above mentioned subject.

With reference to the above we are ready to sanction the grant amount of Rs.1,00,000 for carrying out the consultancy project work titled, "IOT virtual doctor robot" which we have received the proposal already. Kindly complete and intimate the completion of work with in stipulated time mentioned in the proposal.

It was a pleasure in receiving your invitation request for consultancy project.

Faculty's involvement with new technology in our concern is great appreciation

Yours sincerely

(Managing Director)

Frontline Electronics Pvt Ltd in Alagapuram, Salem- 636004

# ORBIT

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## ORBIT CONTROLS & SERVICE

34, Madurai Meenankshi Nagar,  
Valasavakkam, Chennai - 600 087, INDIA.  
Tel : 2486 9452 / 53  
E-Mail : ID : orbitcontrols@gmail.com  
Webitcontrolz.com

26. 07. 2021

To

Dr.G.Balaji, HoD / EEE,  
Paavai Engineering College  
Pachal,  
Namakkal - 637018

Dear Sir,

We are happy to receive profile of your department teaching faculty members and their research interested areas. Currently we are having some electrical research project work to be carried out for our client. so, Kindly specify your coordinator of the below mentioned at the earliest.

**"Automatic generation control of Interconnected multi-area hydrothermal power system"**

Herewith we informed that your institution, we are sanction the grant of amount Rs 45,000 for carrying above consultancy project cost . For further details kindly contact the under signed as your time permits. Any further discussion can be had at your venue without disrobing your curricular activities.

Yours faithfully,







07.07.2021

TO

Dr.G.Balaji,  
Professor and Head,  
Department of EEE,  
Paavai Engineering College,  
Pachal, Namakkal – 637018.

Subject: - Grant of financial support for carrying out the Consultancy Project Work at department of Electrical and Electronics Engineering, Paavai Engineering College.

Sir/Madam,

Please refer your letter dated 01.06.2021 to the above mentioned subject.

With reference to the above we are ready to sanction the grant of amount Rs 25,000 for carrying out the Consultancy Project Work “Flying Capacitor Multilevel Inverter with Phase Disposition Pulse Width Modulation ” which we have received the proposal already. Kindly complete and intimate the completion of work with in stipulated time mentioned in the proposal.

Yours sincerely,

SALEM OFFICE  
CALIBER EMBEDDED TECHNOLOGIES INDIA P LTD,  
502-3, ANGAMMAL COLONY,  
BEHIND NEW BUS STAND,  
ANNA NAGAR, SALEM-636009.

Copy to 1. Principal, Paavai Engineering College,  
2. Head of the Department, Paavai Engineering College,

502-3, Angammal Colony, Near New Bus Stand, Salem-636009. [www.calibertech.net](http://www.calibertech.net)

[salemcaliberembeddedtech@gmail.com](mailto:salemcaliberembeddedtech@gmail.com) Contact: 7867014811, 7708954811



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

Ph : 044-22301428, Telefax : 044-22301552 www.tanscst.nic.in

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

11.03.2022

Lr.No.TNSCST/SPS/2021-2022/

To  
The Principal  
Paavai Engineering College  
Pachal,Namakkal-637018  
Sir/Madam,

Sub: TNSCST – Student Project Scheme (2021-2022) – approval intimation–grant release- reg.

\*\*\*\*\*

With respect to the above scheme, the list of projects approved by the State Council is enclosed along with terms and conditions. You are requested to adhere to terms and conditions such as submission of UC and seminar paper in time.

| No | Guide Name and Institutional Address                                                                                                               | Title of the Project                                                                                                           | Students Name                                    | Project Code | Amount |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------|--------|
| 1  | Dr.Thabita Zelin Rachel.V<br>Assistant professor,<br>Dept. of Pharmaceutical<br>technology<br>Paavai Engineering College<br>Pachal,Namakkal-637018 | Study of prophylactic potentials<br>of a probiotic bacteria Bacillus<br>licheniformis against<br>Staphylococcus aureus in Fish | Vetrivel.C,<br>Pugazhendhi.V,<br>Vimalraj.G      | BS-289       | 7500/- |
| 2  | Mr.B.Venkatesan<br>Associate Professor,<br>Department of Information<br>Technology<br>Paavai Engineering College<br>Pachal,Namakkal-637018         | Guidance System for Visually<br>Challenged People using<br>Machine Learning                                                    | Mohamed<br>Rilwan.A,<br>Abinas.N                 | CSE-0288     | 7500/- |
| 3  | Mr.R.Balasubramani<br>Associate Professor,<br>Department of Food<br>Technology<br>Paavai Engineering College<br>Pachal,Namakkal-637018             | Extraction of bioplastics using<br>banana leaf                                                                                 | M.Saren Rokith,<br>G.Gunalan,<br>S.Deenathayalan | CHE-143      | 7500/- |

Herewith enclosed the cheque for the approved grant and disburse the grant to the concerned students through the guides at the earliest.

Kindly send the utilisation certificate (format enclosed) and seminar paper (Ref.T&C-No.5&6) on completion of the project.

Thanking you,

Yours faithfully,

11-3-22  
Member Secretary.

- Encl: a) Terms & Conditions (T&C)  
b) Format of Utilisation Certificate (UC)  
c) Cheque for Rs.22,500/- No: 409353 dt:11.03.2022

Copy to: The individual guides



# தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

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Directorate of Technical Education Campus, Chennai – 600 025

Ph : 044-22301428, Telefax : 044-22301552 www.tanscst.nic.in

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

Lr.No.TNSCST/SPS/2021-2022/

11.03.2022

To  
The Principal  
Paavai Engineering College  
Pachal,Namakkal-637018  
Sir/Madam,

Sub: TNSCST – Student Project Scheme (2021-2022) – approval intimation–grant release- reg.

\*\*\*\*\*

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| No | Guide Name and Institutional Address                                                                                                               | Title of the Project                                                                                                           | Students Name                                    | Project Code | Amount |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------|--------|
| 1  | Dr.Thabita Zelin Rachel.V<br>Assistant professor,<br>Dept. of Pharmaceutical<br>technology<br>Paavai Engineering College<br>Pachal,Namakkal-637018 | Study of prophylactic potentials<br>of a probiotic bacteria Bacillus<br>licheniformis against<br>Staphylococcus aureus in Fish | Vetrivel.C,<br>Pugazhendhi.V,<br>Vimalraj.G      | BS-289       | 7500/- |
| 2  | Mr.B.Venkatesan<br>Associate Professor,<br>Department of Information<br>Technology<br>Paavai Engineering College<br>Pachal,Namakkal-637018         | Guidance System for Visually<br>Challenged People using<br>Machine Learning                                                    | Mohamed<br>Rilwan.A,<br>Abinas.N                 | CSE-0288     | 7500/- |
| 3  | Mr.R.Balasubramani<br>Associate Professor,<br>Department of Food<br>Technology<br>Paavai Engineering College<br>Pachal,Namakkal-637018             | Extraction of bioplastics using<br>bananaleaf                                                                                  | M.Saren Rokith,<br>G.Gunalan,<br>S.Deenathayalan | CHE-143      | 7500/- |

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Thanking you,

Yours faithfully,

11-3-22  
Member Secretary.

- Encl: a) Terms & Conditions (T&C)  
b) Format of Utilisation Certificate (UC)  
c) Cheque for Rs.22,500/- No: 409353 dt:11.03.2022

Copy to: The individual guides





# தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

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Directorate of Technical Education Campus, Chennai – 600 025

Ph : 044-22301428, Telefax : 044-22301552 www.tanscst.nic.in

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

Lr.No.TNSCST/SPS/2021-2022/

11.03.2022

To  
The Principal  
Paavai Engineering College  
Pachal,Namakkal-637018  
Sir/Madam,

Sub: TNSCST – Student Project Scheme (2021-2022) – approval intimation–grant release- reg.

\*\*\*\*\*

With respect to the above scheme, the list of projects approved by the State Council is enclosed along with terms and conditions. You are requested to adhere to terms and conditions such as submission of UC and seminar paper in time.

| No | Guide Name and Institutional Address                                                                                                               | Title of the Project                                                                                                           | Students Name                                    | Project Code | Amount |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------|--------|
| 1  | Dr.Thabita Zelin Rachel.V<br>Assistant professor,<br>Dept. of Pharmaceutical<br>technology<br>Paavai Engineering College<br>Pachal,Namakkal-637018 | Study of prophylactic potentials<br>of a probiotic bacteria Bacillus<br>licheniformis against<br>Staphylococcus aureus in Fish | Vetrivel.C,<br>Pugazhendhi.V,<br>Vimalraj.G      | BS-289       | 7500/- |
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Kindly send the utilisation certificate (format enclosed) and seminar paper (Ref.T&C-No.5&6) on completion of the project.

Thanking you,

Yours faithfully,

11-3-22  
Member Secretary.

- Encl: a) Terms & Conditions (T&C)  
b) Format of Utilisation Certificate (UC)  
c) Cheque for Rs.22,500/- No: 409353 dt:11.03.2022

Copy to: The individual guides

To,  
Dr.S.Sumathi,  
Professor & Head of MBA,  
Paavai Engineering College,  
Pachal,  
Namakkal.

**LETTER OF APPRECIATION**

**Dear Sir,**

We on behalf of Crystor thank your dedicated team for their smooth transition into the arena. They applied their knowledge in practical real world circumstances, there by accomplishing standards termed excellent industries.

We are estimated to allot Rupees Twenty thousand (Rs.20,000)for doing the consultancy service about Stress Management which overcome their stress andhope will improve their productivity.

For further details kindly contact the under signed as your time permits. Any further discussion can be held at your venue without disturbing your curriculum activities.

Thanking You ,  
Yours Faithfully

*M.S. Pav*

Authority Signature





To

Dr.K.S.KAVITHA  
Assistant Professor,  
Department of MBA,  
Paavai Engineering College,Pachal,  
Namakkal.

### **LETTER OF APPRECIATION**

**Dear Sir,**

We on behalf of Saravana Bakery thank your dedicated team for their smooth transition into the arena. They applied their knowledge in practical real world circumstances, there by accomplishing standards termed excellent industries.

We are estimated to allot Rupees Ten thousand (Rs.10, 000) for doing the consultancy service about Online promotion and branding which overcome their stress and hope will improve their productivity.

For further details kindly contact the under signed as your time permits.

Thanking You,

A handwritten signature in blue ink, appearing to read "T. Arthana", is written in a cursive style.

***SaraVana Bakeries***

***Bakery, Beverages, Desserts  
Alagapuram Pudur, Salem***





Date: 16.09.2021

TO  
Dr.D.R.P. Rajarathnam,  
Professor & Head,  
Department of Mechatronics,  
Paavai Engineering College,  
Pachal, Namakkal – 637018.

Subject: - Grant of financial support for carrying out the Research Project

Dear Sir,

Sub: **"Fire Extinguishing robot –Regarding**

Received your letter for quotation dated 10.08.2021. We accept your terms of amount rs 6000 for developing **Fire Extinguishing robot** in our company by the faculty of your institution.

In this regard, we would like to sign a contract for the project and the date of signing will be communicated through phone.

  
Yours sincerely,

Arthanari Nagar, Swarnapuri, Salem, Tamil Nadu.  
PinCode : 636009  
Email : klexerobotics@gmail.com

**SHANMUGA TECHNOLOGYS**  
**NAMAKKAL**  
Phoneno.:9788180978  
Email:shanmugatechnology01@gmail.com  
GSTIN:33CVHPS4476E  
IZC State:33-TamilNadu



15.03.2022

TO  
Dr.D.R.P. Rajarathnam,  
Professor & Head,  
Department of Mechatronics,  
Paavai Engineering College,  
Pachal,  
Namakkal – 637018.

**Subject: - Grant of financial support for carrying out the Research Project**

Sir/Madam,

Please refer your letter dated 10.02.2022 to the above mentioned subject.

With reference to the above we are ready to sanction the grant of amount Rs 6,000 for carrying out the Research Project work "Driver Authentication using IoT" which we have received the proposal already. Kindly complete and intimate the completion of work with in stipulated time mentioned in the proposal.

Yours sincerely,



***Sivam groups of companies***  
***Pvt Ltd***  
***Neyveli 607802***

***PH: 6381372312,***  
***8870628346***

To

Date: 18.05.2022

The Principal,  
Paavai Engineering College,  
Pachal, Namakkal,  
Tamilnadu.

Dear Sir,

Sub: **“Drowsiness of Automotive vehicle”** –Regarding

Received your letter for quotation dated 12.04.2022. We accept your terms of amount Rs.15000 for developing **Drowsiness of Automotive vehicle** in our company by the faculty of your institution.

In this regard, we would like to sign a contract for the project and the date of signing will be communicated through phone.

Thanking You,

A handwritten signature in black ink, appearing to read 'G. Maniandan'.

Yours Sincerely,

---

***Our Most Satisfiable Services***



F. No. NSTMIS/2019/276  
Government of India  
Ministry of Science and Technology  
Department of Science and Technology

Technology Bhawan  
New Mehrauli Road  
New Delhi-110016  
Dated: 31.08.2020

To,

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

**ORDER**

**Sub: Release of First Instalment of grant to the project entitled "Impact Assessment of smart India hackathon and innovation mission on start-up models in science and technology domains" by Dr. M. Premkumar (PI), Principal, Mechanical Engineering, Paavai Engineering College, Paavai Nagar, NH-44, Pachal, Namakkal-637018 (TN)**

Sanction of the President is hereby accorded to the approval of the above mentioned project at a total cost of Rs. 20,94,400/- (Rupees twenty lakhs ninety four thousand four hundred only) for a duration of 24 months. The items of expenditure for which the total allocation of Rs. 20,94,400/- (Rupees twenty lakhs ninety four thousand four hundred only) has been approved are as under:-

| S. No. | Item                                                                      | 1 <sup>st</sup> Year | 2 <sup>nd</sup> Year | Total            |
|--------|---------------------------------------------------------------------------|----------------------|----------------------|------------------|
| 1.     | Computer with accessories                                                 | 1,48,000             | ----                 | 1,48,000         |
| 2.     | Fellowship:<br>Two Project Assistants @ Rs. 22,000/- pm<br>(consolidated) | 5,28,000             | 5,28,000             | 10,56,000        |
| 3.     | Consumables                                                               | 1,00,000             | 1,00,000             | 2,00,000         |
| 4.     | Other costs (including LPAC meeting)                                      | 1,00,000             | 1,00,000             | 2,00,000         |
| 5.     | Travel                                                                    | 1,50,000             | 1,50,000             | 3,00,000         |
|        | <b>Total - A</b>                                                          | <b>10,26,000</b>     | <b>8,78,000</b>      | <b>19,04,000</b> |
| 6.     | Overhead @ 10% - B                                                        | 1,02,600             | 87,800               | 1,90,400         |
|        | <b>Grand Total (A+B)</b>                                                  | <b>11,28,600</b>     | <b>9,65,800</b>      | <b>20,94,400</b> |

2. Sanction of the President is hereby accorded to the payment of Rs. 11,28,600/- (Rupees eleven lakhs twenty eight thousand six hundred only) as a **First installment of grant** to the above mentioned project.

3. The sanction of the President is also accorded to the **release** of Rs. 11,28,600/- (Rupees eleven lakhs twenty eight thousand six hundred only) to the **Principal, Paavai Engineering College, Paavai Nagar, NH-44, Pachal, Namakkal-637018 (TN)** for implementation of the said project.

4. This sanction is subject to the condition that the grantee organisation will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

5. The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

6. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.



contd...2/-

7. The grant-in-aid being released is subject to the condition that

- (a) a transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/Organisation under the appropriate rules of the grantee organisation while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organisation immediately on receipt of the grant:
- (b) While submitting Utilisation Certificate/Statement of Expenditure, the organisation has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.

8. The goods (consumables/equipment) as available in GeM Portal are to be mandatorily procured through GeM only.

9. The grantee organisation will maintain 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 the Consolidated Fund of India (through Non-Tax Receipt Portal (NTRP), i.e. [www.bharatkosh.gov.in](http://www.bharatkosh.gov.in)), immediately after finalisation 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 Statement of Expenditure/Utilisation Certificate for considering subsequent release of Grant/closure of Project accounts."

10. Paavai Engineering College, Namakkal-637018 (TN) agrees to make reservations for Scheduled Castes and Scheduled Tribes or OBC in the posts or services under its control on the lines indicated by the Government of India".  
(ii) While sanctioning Grants-in-Aid to Institutions or Organisations referred to in (a) above, the Grant sanctioning authority should keep in view the progress made by such Institutions or Organisations in employing Scheduled Castes and Schedules Tribes or OBC candidates in their services and also as per the GFR 2017 Rule 230(17).

11. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.

12. PI/ Coordinator shall not draw any emoluments/ salary/fellowship from any other project either supported by DST or by any other funding agency for this project.

13. The account of the grantee organisation 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 organisation is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

14. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organisation in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.

15. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

16. The expenditure involved is debitable to Demand No.87, Department of Science & Technology for the year 2020-21:

|          |                                                                |
|----------|----------------------------------------------------------------|
| 3425     | Other Scientific Research (Major Head)                         |
| 60       | Others (Sub-major Head)                                        |
| 60.200   | Assistance to other Scientific Bodies (Minor Head)             |
| 68       | Science & Technology Institutional and Human Capacity Building |
| 04       | Other Programmes                                               |
| 68.04.31 | Grant-in-aid General for the year 2020-2021 (Voted)            |
|          | (Previous: Policy Research Cell 3425.60.200.68.00.31)          |



contd....3/-




17. The amount of Rs. 11,28,600/- (Rupees eleven lakhs twenty eight thousand six hundred only) to the the **Principal, Paavai Engineering College, Paavai Nagar, NH-44, Pachal, Namakkal-637018 (TN)**.The bank details for electronic transfer of funds through RTGS are given below:-

|                    |                              |
|--------------------|------------------------------|
| Account holder     | : Paavai Engineering College |
| Name of the Bank   | : Corporation Bank           |
| Branch name & Code | : Namakkal                   |
| Account No.        | : 510341000677814            |
| IFSC Code          | : CORP0000202                |

18. Continuation of the project beyond 31<sup>st</sup> March 2021 will be subject to appraisal and approval of the continuation of the Umbrella Scheme "Institutional and Human Capacity Building" under which the project is funded.

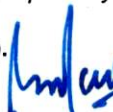
19. As per Rule 234 of GFR 2017, this sanction has been entered at S. No. **22** (E File No. 26774) in the register of grants maintained in the Division for the scheme (Science & Technology Institutional and Human Capacity Building).

20. This issues with the concurrence of IFD *vide* their Concurrence Dy. No. **C/1694/IFD/2020-21** dated 28.08.2020.

  
(Dr. A.N. Rai)  
Scientist 'G'

**Copy forwarded for information and necessary action to:**

1. Director of Audit (CW&M), Indraprastha Estate, AGCR Building, New Delhi – 110 002.
2. Cash Section (Three copies including original one).
3. IFD
4. **Dr. M. Premkumar (PI), Principal Mechanical Engineering, Paavai Engineering College, Paavai Nagar, NH-44, Pachal, Namakkal-637018 (TN).** *A format for submitting statement of expenditure and utilization certificate and terms and conditions of the grant may be downloaded from [www.nstmis-dst.org](http://www.nstmis-dst.org) Progress report on quarterly basis should e sent to this department.*
5. The **Principal, Paavai Engineering College, Paavai Nagar, NH-44, Pachal, Namakkal-637018 (TN).**
6. Sanction Folder/File.

  
(Dr. A.N. Rai)  
Scientist-'G'

To

Date: 03.01.2022

The Principal,  
Paavai Engineering College,  
Pachal, Namakkal,  
Tamilnadu.

Dear Sir,

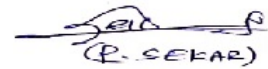
Sub: Implementation of MQL technique to improve machining parameters – Reg

Your quotation letter dated December 29, 2021 was received. We accept to provide the quotation amount of Rs. 30,000 for carry out the implementation of MQL technique to improve machining parameters.

From our end we expect your sincerity in completing the project in time as discussed.

Thanking You

Yours sincerely,



(R. SEKAR)







*Enriching Mobility*

# AIRFLOW EQUIPMENTS (INDIA) PVT. LTD.

Date: 23.12.2021

To  
The Principal,  
Paavai Engineering College,  
Pachal, Namakkal,  
Tamilnadu.

Dear Sir,

**Sub: “Design and development of Two wheeler speed limit control system” –Reg.**

Received your letter for quotation dated 11.12.2019. We accept your amount of Rs.25000 to carry out the project “Design and development of two wheeler speed limit control system” in our company by the faculty of your institution.

Hope you would complete the work in time.


Thanking You,

AIRFLOW EQUIPMENTS (INDIA)  
PVT. LTD.

  
EXECUTIVE DIRECTOR



*No.9, Chelliamman Koil Street, Keelkatalai, Chennai - 117*

 044-2247 4784 / 2247 0350

[www.airflow.co.in](http://www.airflow.co.in)

FILE NO. EEQ/2019/000330  
**SCIENCE & ENGINEERING RESEARCH BOARD(SERB)**  
(a statutory body of the Department of Science & Technology, government of India)

5 & 5A, Lower Ground Floor  
Vasant Square Mall  
Plot No. A, Community Centre  
Sector-B, Pocket-5, Vasant Kunj  
New Delhi-110070

Dated: 06-Dec-2019

**ORDER**

Subject: Financial Sanction of the research project titled "**Graphene embedded Metal/Metal oxide carbon nanofiber composites for energy storage**" under the guidance of Dr. Rosaiah Pitcheri, PHYSICS, Paavai Engineering College, Pavai nagar, Pachal, nh7, Namakkal, Namakkal, Tamil nadu-637018 - Release of 1st grant.

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned project at a total cost of **Rs. 3553500/-** (Rs. Thirty Five Lakh Fifty Three Thousand Five Hundred Only) with break-up of **Rs. 1998000/-** under **Capital (Non-recurring)** head and **Rs. 1555500/-** under **General (Recurring)** head for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 3553500/-** has been approved are given below:

| S. No     | Head                                                                                                                                       | Total (in Rs.)            |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <b>A</b>  | <b>Non-recurring</b>                                                                                                                       |                           |
| 1         | Equipment<br>-> Furnace<br>-> Electrochemical analyzer<br>-> Electrospinning Unit                                                          | 1998000                   |
| <b>A'</b> | <b>Total (Non-Recurring)</b>                                                                                                               | <b>1998000</b>            |
| <b>B</b>  | <b>Recurring Items</b>                                                                                                                     |                           |
| 1         | Recurring - I : (Manpower)<br>Recurring - II : ( Consumables, Travel, Contingencies)<br>Recurring - III : Scientific Social Responsibility | 648000<br>550000<br>35000 |
| 2         | Recurring - IV : (Overhead Charges)                                                                                                        | 322500                    |
| <b>B'</b> | <b>Total (Recurring)</b>                                                                                                                   | <b>1555500</b>            |
| <b>C</b>  | <b>Total cost of the project (A' + B')</b>                                                                                                 | <b>3553500</b>            |

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 1998000/-** (Rupees Nineteen Lakh Ninety Eight Thousand only) under 'Grants for creation of capital assets' and **Rs. 542000/-** (Rupees Five Lakh Forty Two Thousand only) under 'Grants-in-aid General' to Principal, **Paavai Engineering College, Pavai Nagar, Pachal, NH7, Namakkal** being the first installment of the grant for the year 2019-2020 for implementation of the said research project.

3. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)**  
**This release is being made under Empowerment and Equity Opportunities for Excellence in Science. (Task force Committee) (SC)**

4. The Sanction has been issued to Paavai Engineering College, Pavai Nagar, Pachal, NH7, Namakkal with the approval of the competent authority under delegated powers on **02 December, 2019** and vide Diary No. **SERB/F/7384/2019-2020** dated **04 December, 2019**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in)).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.

9. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

10. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

11. The release amount of Rs. 2540000/- (Rupees Twenty Five Lakh Forty Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| PFMS Unique Code       | MNRE                                                      |
| Account Name           | Paavai Engineering College                                |
| Account Number         | 510341000677814                                           |
| Bank Name & Branch     | Corporation Bank Paramathi Road Namakkal 637002 Tamilnadu |
| IFSC/RTGS Code         | CORP0000202                                               |
| Email id of A/C Holder | pecprincipal@paavai.edu.in                                |
| Email id of PI         | dr.mosesrosaiah@gmail.com                                 |

12. The institute will furnish to the SERB, New Delhi, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

13. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

14. The project File no. EEQ/2019/000330 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

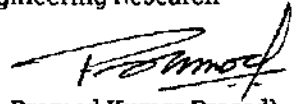
15. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project

16. As this is the first grant being released for the project, no previous U/C is required.

17. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

18. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

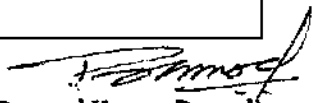
19. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.

  
(Dr. Pramod Kumar Prasad)  
Scientist C  
pk.prasad@serb.gov.in

To,  
Under Secretary  
SERB, New Delhi

Copy forwarded for information and necessary action to: -

|    |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002                                                                                                                                                                                                                                                                                                                           |
| 2. | Sanction Folder, SERB, New Delhi.                                                                                                                                                                                                                                                                                                                                                                                   |
| 3. | File Copy                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4. | <b>Dr. Rosaiah Pitcheri</b><br><b>PHYSICS</b><br><b>Paavai Engineering College, Pavai nagar, Pachal, nh7, Namakkal, Namakkal, Tamil nadu-637018</b><br><b>Email: dr.mosesrosaiah@gmail.com</b><br><b>Mobile: 919989855867</b><br>(Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .) |
| 5. | <b>Principal,</b><br><b>Paavai Engineering College, Pavai Nagar, Pachal, NH7, Namakkal</b><br>(Receipt of Grant may be intimated by name to the undersigned)                                                                                                                                                                                                                                                        |

  
(Dr. Pramod Kumar Prasad)  
Scientist C  
pk.prasad@serb.gov.in