

2. **Name of the Organization:** Presidency University, Bangalore
3. **Principal Investigator:** Dr. Clara Kanmani A ✓
4. **Name of the Co-PI (If any):** NA
5. **Dept. of CSE Sanction Order**  
**No. & date of sanctioning the fund:** Funded Projects/Seed Grants /ACC/26/08/2021-1  
**Dated:** 26 -08 -2021
6. **Amount sanctioned:** Rs.4,50,000/- ✓
7. **Amount received towards the purchase (PO Number and Date of Purchased):**  
Rs.4,50,000/-, PO number: PU PD 170/2021-22 Dated 03/09/2021
8. **Details of other receipts/ interest earned on the PU grants:** NIL
9. **Total amount that was available for Expenditure during the financial year (Sl. Nos. 6, 7 and 8):** Rs.4,50,000/-
10. **Actual expenditure (excluding commitments) incurred during the financial year (head wise details should be given in the enclosed statement of expenditure):** Rs.4,87,900/- ✓

Details as follows below:

- a. Equipment: HP Z4G4T i910900X 128 GB/1TB PC- 1
- b. Specifications:

Device name	DESKTOP-APBRUT3
Processor	Intel(R) Core(TM) i9-10900X CPU @ 3.70GHz 3.70 GHz
Installed RAM	128 GB (128 GB usable)
Device ID	C405A735-F9F8-47ED-A900-C4984C07DD0A
Product ID	00330-54059-28077-AAOEM
System type	64-bit operating system, x64-based processor

11. **Unspent balance refunded, if any (Please give details of cheque No. etc.)**

  
 REGISTRAR  


12. Balance amount available at the end of the financial year

(-)37,900/-

13. Amount allowed to be carried forward to the next financial year vide letter No. & date

Nil

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised:

1.

2.

  
Signature of the PI

  
Signature of the Dean R&D



  
Signature of the Finance & Accounts officer  
**FINANCE OFFICER**  
Presidency University  
Dibbur, Itgalpur, Rajanakunte,  
Bengaluru - 560064.

  
Signature of the Vice Chancellor

  
REGISTRAR  




# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

Date: 26-08-2021

## SANCTION LETTER

### FUNDED PROJECTS UNDER SEED GRANTS -AUGUST-SEPTEMBER 2021

To

**Dr. Clara Kanmani A**  
Associate Professor  
Department of Computer Science  
School of Engineering  
Presidency University  
Bangalore- 560064


**Sub:-** Sanction of your Submitted Research Proposal  
**Ref:** Funded Projects/Seed Grants /ACC/ 26/08/2021-1

Dear Dr. Clara Kanmani A

Thank you so much for your interest in Seed Grants Scheme of Presidency University. We are pleased to inform you that your submitted research proposal "**Model for donor recipient matching in stem cell transplantation**" has been approved and the grant is sanctioned for successful execution of the project based on the **Recommendations** of the Review Committee. The duration of the Project will be for **Two years** from the date of commencement of the project. The total sanctioned amount is **Rs. 4,50,000** with the date of commencement of the Project being **15<sup>th</sup> October 2021**. You are requested to **adhere strictly** to the **Rules & Regulations of the Seed Grants, PU**.

Wishing you good luck.



  
Dr. D Subhakar

Vice-Chancellor  
Presidency University  
Bangalore

City Office: University House, 8/1, King Street, Richmond Town, Bangalore - 560025

Campus: Presidency University, Itgalpur, Rajankunte, Bangalore - 560064

Phone: + 80 4925 5533 / 5599 Email ID: [info@presidencyuniversity.in](mailto:info@presidencyuniversity.in)

[www.presidencyuniversity.in](http://www.presidencyuniversity.in)





# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## SEED GRANTS

"1<sup>st</sup> August 2021 to 31<sup>st</sup> July 2022"

Financial Year "1<sup>st</sup> April 2021 to 31<sup>st</sup> March 2022"

### Project Title

**"Natural Language Processing (NLP) for Educational Applications"**

## UTILIZATION CERTIFICATE (UC)

"March, 2023"

Submitted By-

**"Dr. Sandeep Albert Mathias"**

Principal Investigator

  
REGISTRAR 

1. Title of the Project/Scheme: **"National Language Processing (NLP) for Educational Applications.**
2. Name of the Organization: Presidency University, Bangalore
3. Principal Investigator : Dr. Sandeep Albert Mathais
4. Nam of the Co-PI (If any):- Mr. Sunil Kumar Sahoo
5. Dept of ECE Sanction letter  
No. & date of sanctioning the fund: High -End PC
6. Amount sanctioned (i) Amount: 4,75,000/-  
(ii) Letter No: 2  
(iii) Date: 26<sup>th</sup> August, 2021
7. Amount received towards the purchase (PO Number and Date of Purchased) *High-end PC = Rs. 4,87,930/-*
8. Details of other receipts/ interest earned on the PU grants: Nil
9. Total amount that was available for Expenditure during the financial year  
Rs. 4,75,000/-
10. Actual Expenditure (excluding Commitments) incurred during the financial year (head wise details should be given in enclosed statement of Expenditure) **Rs:-Basic: 4,13,500/- GST: 74,430/- = 4,87,930/-**
11. Unspent balance Refunded, if any Nil
12. Balance amount available at the end  
of the financial year (-) 12,930/-
13. Amount allowed to be carried forward to the next financial year vide letter No. & date Nil

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

  
REGISTRAR  


Kinds of checks exercised:

1.

2.

3.

*Sandup Mathias*

**Signature of the PI**

*Exam*

**Signature of the Dean R&D**



*Deem*

**Signature of the Vice Chancellor**

Vice Chancellor  
Presidency University  
Itgalpura,  
Bengaluru - 560 064.

**FINANCE OFFICER**

Presidency University  
Dibbur, Itgalpur, Rajanakunte,  
Bengaluru - 560064.

**Signature of the Finance & Accounts officer**

*Sauve*  
REGISTRAR





# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

Date: 26-08-2021

## SANCTION LETTER

### FUNDED PROJECTS UNDER SEED GRANTS -AUGUST-SEPTEMBER 2021

To

**Dr. Sandeep Albert Mathias**  
Assistant Professor  
Department of Computer Science  
School of Engineering  
Presidency University  
Bangalore- 560064

**Sub:-** Sanction of your Submitted Research Proposal  
**Ref:** Funded Projects/Seed Grants /ACC/ 26/08/2021-2

**Dear Dr. Sandeep Albert Mathias**

Thank you so much for your interest in Seed Grants Scheme of Presidency University.  
We are pleased to inform you that your submitted research proposal "**Natural language processing (NLP) for educational application**" has been approved and the grant is sanctioned for successful execution of the project based on the **Recommendations** of the Review Committee. The duration of the Project will be for **Two years** from the date of commencement of the project. The total sanctioned amount is **Rs. 4,75,000** with the date of commencement of the Project being **15<sup>th</sup> October 2021**. You are requested to **adhere strictly to the Rules & Regulations of the Seed Grants, PU.**

Wishing you good luck.

26/08/2021  
Dr. C S Ramesh

Dean R&I

Dr. D Subhakar

Vice-Chancellor  
Presidency University  
Italgapura,  
560069



City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025

Campus: Presidency University, Italgapur, Rajankunte, Bengaluru - 560069

Phone: + 80 4925 5533 / 5599 Email ID: [info@presidencyuniversity.in](mailto:info@presidencyuniversity.in)

[www.presidencyuniversity.in](http://www.presidencyuniversity.in) REGISTRAR





# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## SEED GRANTS

### Project Title

**“Design, Analysis and Simulation of 3 axis Robots for  
Robocon 2022”**

## UTILIZATION CERTIFICATE (UC)

**Financial Year 2021-2022**

MARCH 2023

Submitted By-

**Mrs. Priyanka S Umarji(PI)**

**Assistant Professor,**

**Department of Mechanical Engineering**

**Presidency University, Bengaluru.**

  
REGISTRAR





1. Title of the Project/Scheme: Analysis and simulation of 3 axis robots for Robocon 2022
2. Name of the Organization: **Presidency University, Bangalore**
3. Principal Investigator : Mrs. Priyanka S Umarji
4. Name of the Co-PI (If any): Dr. Madhusudhan M
5. Dept. of Mech Sanction Order  
No. & date of sanctioning the fund: Funded Projects/Seed Grant/ACC/26/08/2021 & dated-26/08/2021

Amount sanctioned: (i) Amount: Rs. 5,00,000  
(ii) Letter No: Funded Projects/Seed GRant/ACC/26/08/2021-3  
(iii) Date: 26/08/2021

6. Amount received towards the purchase (PO Number and Date of Purchased): 4,87,900, PU PD 170/2021-22 & dated- 03/09/2021
7. Details of other receipts/ interest earned on the PU grants: **NIL**
8. Total amount that was available for Expenditure during the financial year (Sl. Nos. 6, 7 and 8): Rs.5,00,000
9. Actual expenditure (**excluding commitments**) incurred during the financial year (head wise details should be given in enclosed statement of expenditure) : 4,87,900  
Details are as follows below:
  - a. Equipment: HP Z4G4T i910900x 128GB/1TB PC- 1
  - b. Specifications:

Device Name	DESKTOP-APBRUT9
Processor	Intel® Core™ i9-10900X CPU @3.70GHz
Installed Ram	128 GB
System Type	64-bit operating system, x64-based processor

REGISTRAR



*(Handwritten signature)*

10. Unspent balance refunded, if any:  
(Please give details of cheque No. etc.): Nil
11. Balance amount available at the end  
of the financial year : 12100/- ✓
12. Amount allowed to be carried forward to the  
next financial year vide letter No. & date : NA

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised:

- 1.
- 2.
- 3.



Signature of the PI



Signature of the Dean R&D



Signature of the Finance & Accounts officer

FINANCE OFFICER  
Presidency University  
Dibbur, Itgalpur, Rajanakunte,  
Bengaluru - 560064.



Signature of the Vice Chancellor

Vice Chancellor  
Presidency University,  
Itgalpura,  
Bengaluru - 560 064.





# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

Date: 26-08-2021

## SANCTION LETTER

### FUNDED PROJECTS UNDER SEED GRANTS -AUGUST-SEPTEMBER 2021

To

Mrs. Priyanka S Umarji  
Assistant Professor  
Department of Mechanical Engineering  
School of Engineering  
Presidency University  
Bangalore- 560064

Sub:- Sanction of your Submitted Research Proposal  
Ref: Funded Projects/Seed Grants /ACC/ 26/08/2021-3

Dear Mrs. Priyanka S Umarji

Thank you so much for your interest in Seed Grants Scheme of Presidency University. We are pleased to inform you that your submitted research proposal "**Design, Analysis and simulation of 3 axis robots** +"has been approved and the grant is sanctioned for successful execution of the project based on the **Recommendations** of the Review Committee. The duration of the Project will be for **Two** years from the date of commencement of the project. The total sanctioned amount is **Rs. 5,00,000** with the date of commencement of the Project being **15<sup>th</sup> October 2021**. You are requested to **adhere strictly to the Rules & Regulations of the Seed Grants, PU.**

Wishing you good luck.

*CS Ramesh*  
26/08/2021  
Dr. C S Ramesh

Dr. R&I



*Dr. D Subhakar*  
Dr. D Subhakar

Vice- Chancellor  
Vice Chancellor  
Presidency University  
Bengaluru

City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025

Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064

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# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## SEED GRANTS

Financial Year "1<sup>st</sup> April 2021 to 31<sup>st</sup> March 2022"

### Project Title

"Title of the Project"

"SYSTEM REQUIREMENT FOR REMOTE  
SENSING SATELLITE DATA PROCESSING  
AND GEOGRAPHIC INFORMATION  
SYSTEM"

## UTILIZATION CERTIFICATE (UC)

"April 2023"

Submitted By-

"Dr.Chandankeri G G"

  
REGISTRAR 

1. Title of the Project/Scheme: System requirement for remote Sensing satellite data processing and geographic information system
2. Name of the Organization: **Presidency University, Bangalore**
3. Principal Investigator : Dr. Chandankeri G G
4. Nam of the Co-PI (If any):- Nil

Dept. of Civil Dept. Sanction Order: **26.8.2021**

No. & date of sanctioning the fund: Funded Projects / Seed/  
Grant/ACC/26/08/2021-5

5. Amount sanctioned  
(i) Amount: **Rs 4,50,000**  
(ii) Letter No: **ACC/26.8.2021-5**  
(iii) Date: **26.8.2021**
6. Amount received towards the purchase (PO Number and Date of Purchased) PU PD 170/2021-22 % Dated 03-09-2021 Amount 4.87.900/-
7. Details of other receipts/ interest earned on the PU grants: **NIL**
8. Total amount that was available for Expenditure during the financial year (Sl. Nos. 6, 7 and 8) **Amount 4.87.900/-**
9. Actual expenditure (**excluding commitments**) incurred during the financial year (head wise details should be given in enclosed statement of expenditure) :  
Amount -4,87,900/-  
Details are as follows below: a. Equipment: HP Z4G4T i910900x 128GB/1TB PC- 1 b.  
Specifications: Device Name DESKTOP-APBRUT9 Processor Intel® Core™ i9-10900X CPU @3.70GHz Installed Ram 128 GB System Type 64-bit operating system, x64- based processor

REGISTRAR



*[Handwritten signature]*

10. Unspent balance refunded, if any:  
(Please give details of cheque No. etc.): Nil

11. Balance amount available at the end  
of the financial year

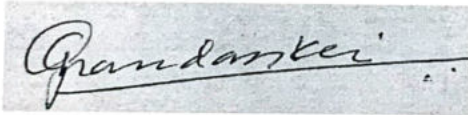
: ~~Nil~~ (→) 37,900/- ✓

12. Amount allowed to be carried forward to the  
next financial year vide letter No. & date : NA

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised:

- 1.
- 2.
- 3.



Signature of the PI



Dean  
Signature of the Dean, R&D  
Research & Development  
Presidency University  
Bangalore - 560064.

Signature of the Finance & Accounts officer

FINANCE OFFICER  
Presidency University  
Dibbur, Itgalpur, Rajanakunte,  
Bangalore - 560064.



Signature of the Vice Chancellor

Vice Chancellor  
Presidency University  
Itgalpura,  
Bangalore - 560 064.

REGISTRAR





# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

Date: 26-08-2021

## SANCTION LETTER

### FUNDED PROJECTS UNDER SEED GRANTS -AUGUST-SEPTEMBER 2021

To

Dr. Chandankeri G C  
Associate Professor  
Department of Civil Engineering Science  
School of Engineering  
Presidency University  
Bangalore- 560064

Sub:- Sanction of your Submitted Research Proposal  
Ref: Funded Projects/Seed Grants /ACC/ 26/08/2021-5

Dear Dr. Chandankeri G C

Thank you so much for your interest in Seed Grants Scheme of Presidency University. We are pleased to inform you that your submitted research proposal "System requirement for remote sensing satellite data processing and geographic information system" has been approved and the grant is sanctioned for successful execution of the project based on the Recommendations of the Review Committee. The duration of the Project will be for Two years from the date of commencement of the project. The total sanctioned amount is Rs. 4,50,000 with the date of commencement of the Project being 15<sup>th</sup> October 2021. You are requested to adhere strictly to the Rules & Regulations of the Seed Grants, PU.

Wishing you good luck.

Dr. C S Ramesh

Dean R&I

Vice Chancellor  
Presidency University  
Vice-Chancellor



City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025

Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064

Phone: + 80 4925 5533 / 5599 Email ID: [info@presidencyuniversity.in](mailto:info@presidencyuniversity.in)

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# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## SEED GRANTS

“1<sup>st</sup> August 2019 to 31<sup>st</sup> July 2022”

Financial Year “1<sup>st</sup> April 2021 to 31<sup>st</sup> March 2022”

### Project Title

“Impact of Urban Environmental Factors on  
Schizophrenia using Data Mining Techniques”

### UTILIZATION CERTIFICATE (UC)

“March 2023”

Submitted By-

“Dr Murali Paramesaran”

Principal Investigator

&

Mr. Jobin Thomas

CO-Principal Investigator

  
REGISTRAR 



1. Title of the Project/Scheme: **"Impact of Urban Environmental Factors on Schizophrenia Using Data Mining Techniques"**.
2. Name of the Organization: Presidency University, Bangalore
3. Principal Investigator : Dr. Marali Paramesaran
4. Nam of the Co-PI (If any):- Mr. Jobin thomas
5. Dept of ECE Sanction letter  
No. & date of sanctioning the fund: 26/08/2021
6. Amount sanctioned (i) Amount: 4,50,000/-  
(ii) Letter No: ACC/26/08/2021-6  
(iii) Date: 26<sup>th</sup> August, 2021
7. Amount received towards the purchase (PO Number and Date of Purchased) *High-end PC = Rs. 4,87,930/-*
8. Details of other receipts/ interest earned on the PU grants: Nil
9. Total amount that was available for Expenditure during the financial year  
Rs. 5,18,335/-
10. Actual Expenditure (excluding Commitments) incurred during the financial year (head wise details should be given in enclosed statement of Expenditure) **Rs:-Basic: 4,39,267/- GST: 79,068/- = 5,18,335/-**
11. Unspent balance Refunded, if any Nil
12. Balance amount available at the end  
of the financial year (-) 68,335/-

  
REGISTRAR  



13. Amount allowed to be carried forward to the next financial year vide letter No. & date : NIL :

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.


Kinds of checks exercised:


- 1.
- 2.
- 3.

  
**Signature of the PI**

  
**Signature of the Dean R&D**

Dean  
Research & Development  
Presidency University  
Bangalore - 560064.

  
**Signature of the Vice Chancellor**  
Vice Chancellor  
Presidency University  
Itgalpura,  
Bengaluru - 560 064.

  
**Signature of the Finance & Accounts office**  
FINANCE OFFICER  
Presidency University  
Dibbur, Itgalpur, Rajanakunte,  
Bengaluru - 560064.

  
REGISTRAR  




# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

Date: 26-08-2021

## SANCTION LETTER

### FUNDED PROJECTS UNDER SEED GRANTS -AUGUST-SEPTEMBER 2021

To

Dr. Murali Parameswaran, PI and Mr. JOBIN THOMAS, CO-PI  
Assistant Professor  
Department of Computer Science  
School of Engineering  
Presidency University  
Bangalore- 560064

*Escanned  
Dr. C.S. Ramesh,  
Dean, R&I*



Sub:- Sanction of your Submitted Research Proposal

Ref: Funded Projects/Seed Grants /ACC/ 26/08/2021-6

Dear Dr. Murali Parameswaran

Thank you so much for your interest in Seed Grants Scheme of Presidency University.  
We are pleased to inform you that your submitted research proposal "Impact of urban environmental factors on schizophrenia using data mining techniques" has been approved and the grant is sanctioned for successful execution of the project based on the Recommendations of the Review Committee.

The duration of the Project will be for **Two years** from the date of commencement of the project. The total sanctioned amount is **Rs. 4,50,000** with the date of commencement of the Project being **15<sup>th</sup> October 2021**. You are requested to adhere strictly to the **Rules & Regulations** of the Seed Grants, PU.

Wishing you good luck.

*Escanned 26/08/2021*  
Dr. C S Ramesh

Dean R&I

*Dr. D Subhakar*  
Dr. D Subhakar

*Registrar*  
REGISTRAR



*Vice-Chancellor*  
Vice-Chancellor  
Presidency University  
Italgapura,  
Bangalore - 560064



University Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025

Campus: Presidency University, Italgapura, Rajankunte, Bengaluru - 560064

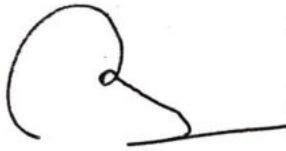
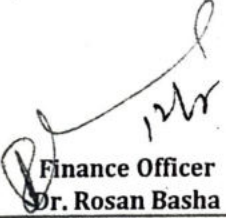
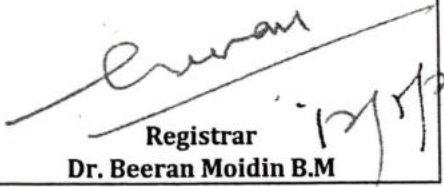
Phone: + 80 4925 5533 / 5599 Email ID: [info@presidencyuniversity.in](mailto:info@presidencyuniversity.in)

[www.presidencyuniversity.in](http://www.presidencyuniversity.in)

**Approval For Expense not covered by Purchase Order - II** **Department: Purchase**

APPROVAL NOTE No.	AN/005/2022-23	Date: 12/05/2022
Purpose	Utilization of Seed Grants for Research purpose Granted to Mr. Jobin Thomas (CO- PI)	
Prior Approval, if any / Budgeted	YES	
Amount in Rs.	Rs. 25,767/- + tax	
Name of Vendor / Payee	Ministry of Earth Science, India Meteorological Dept.	
Payment (Cheque /Cash)	Online Payment (bharatkosh.gov.in)	
Payment Handover to	Mr. Jobin Thomas	
Justification / Remarks.	The climate data of Bangalore City is available only with Govt. of India; Ministry of Earth Sciences, India Meteorological Dept. who will accept the payment only through online. Therefore we recommend the payment to Mr. Jobin Thomas who will pay the amount online and submit the screenshot.	
Budget Allocation, If any (Rs.) (Attach copy)	Rs. 45,000/-	
Amount Utilised Till Date (Rs.)	NA	
Available for Spend (Rs.)	Rs. 45,000/-	
This Proposal (Rs.)	Rs. 25,767/- + GST (automatically calculates by system)	
Balance in the Budget	Rs. 19,233 /-	

**Approval**

 <b>GM Purchase &amp; Audit</b> <b>Francis Xavier</b>	 <b>Finance Officer</b> <b>Dr. Rosan Basha</b>	 <b>Registrar</b> <b>Dr. Beeran Moidin B.M</b>
--	---	--

**Note: 1. All purchases / payments shall normally be through Purchase Orders. This format shall be sparingly used in exceptional and on unavoidable reasons.**

**2. Approval will be based on delegation matrix.**

  
 REGISTRAR  




भारत सरकार, GOVERNMENT OF INDIA  
पृथ्वी विज्ञान मंत्रालय, MINISTRY OF EARTH SCIENCES  
भारत मौसम विज्ञान विभाग, INDIA METEOROLOGICAL DEPARTMENT  
"ISO 9001-2015 CERTIFIED"

Ref:- CS-2022-105(2)/

Date Monday 9 May 2022

GST NO. 33AAAGR0624J1ZJ. TAN NO. CHER00352C. PAN NO. AAAGR0624J

To  
Shri. Jobin Thomas,  
Asst. Prof & Research Scholar,  
Department of Computer Science,  
Presidency University,  
Rajanakunte,  
Bengaluru – 560 064.

Sir / Madam,

Sub : Supply of daily meteorological data.  
Ref : Your Letter/email No. NIL dated 09.04.2022 & 09.05.2022

The following meteorological data can be supplied as per your request(s). Kindly go through the following particulars carefully before making any payment(s).

**Details of Meteorological Data :**

Station : Bengaluru City, Bengaluru HAL Airport, Bengaluru KIAL Airport.  
Parameter : Daily sea level pressure at 0830 & 1730 hrs IST, maximum & minimum temperature, relative humidity at 0830 & 1730 hrs IST, rainfall, wind speed & direction at 0830 & 1730 hrs IST, bright sunshine hours (only for Bengaluru city).  
Period : Dec 2017, Jan 2018, June 2019 to Jan 2021.

Data Cost : Rs 25,767/- (Plus GST Calculated automatically by the system online) ✓

**SALE OF MET DATA (CHENNAI)** is to be selected as **Purpose** while making online ([bharatkosh.gov.in](http://bharatkosh.gov.in)) payment(s).

The Payment should be made through online using Government of India Non-tax Receipt Portal (NTRP) ([bharatkosh.gov.in](http://bharatkosh.gov.in)). Procedure for online payment using Non-tax Receipt Portal is attached herewith.

The payment receipt generated from the Non-tax Receipt Portal ([bharatkosh.gov.in](http://bharatkosh.gov.in)) and certificate of undertaking duly signed, may be sent to this office by e-mail for further processing of your request.

Yours faithfully,  
Sd/-

(H.SADANANDA ADIGA)

मौसम विज्ञानी बी, Meteorologist B  
मुखिया (वैज्ञानिक) के लिए, for Head (Scientist F)

REGISTRAR



Service to Nation since 1875

Address for Correspondence: The Head, Meteorological Centre, India Meteorological Department, Palace Road, Bangalore-560001. Phone (080) 22235733, email: [cls.bng@imd.gov.in](mailto:cls.bng@imd.gov.in), [www.imdbangalore.gov.in](http://www.imdbangalore.gov.in)



# bharatkosh.gov.in

Government of India Receipt Portal

## RECEIPT

Transaction Ref.No. 0706220005139

Dated: Jun 7 2022 11:49AM

Received from MR. JOBIN THOMAS with Transaction Ref.No.  
0706220005139

Dated Jun 7 2022 11:49AM the sum of INR 30405 (Thirty Thousand Four  
Hundred Five Only) through Internet based Online payment in the account of

sale of met data (chennai), , CS-2022-105(2)/

Monday 9 May 2022

Jobin Thomas.



**Disclaimer:- This is a system generated electronic receipt, hence no physical signature is required for the purpose of authentication**

Printed On: 07-06-2022 11:54:10

Courtesy :- Controller General of Accounts



# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## SEED GRANTS

“1st August 2021 to 31st July 2022”

Financial Year “1<sup>st</sup> April 2021 to 31<sup>st</sup> March 2022”

### Project Title

**Trust-based Communication for Flying Ad-hoc  
Networks (FANET)**

## UTILIZATION CERTIFICATE (UC)

March, 2022

Submitted By-

**Mr. Jerrin Joe Francis,  
Assistant Professor, CSE, SCSE**

Principal Investigator

  
REGISTRAR 

1. Title of the Project/Scheme: Trust-based Communication for Flying Ad-hoc Networks(FANET)
2. Name of the Organization: **Presidency University, Bangalore**
3. Principal Investigator : Mr. Jerrin Joe Francis
4. Nam of the Co-PI (If any): Dr. Murali Parameswaran
5. Dept. of CSE Sanction Order  
No. & date of sanctioning the fund: High End PC
6. Amount sanctioned (i) Amount: 4,75,000  
(ii) Letter No: **7**  
(iii) Date: 26/08/2021
7. Amount received towards the purchase (PO Number and Date of Purchased)  
PU PD 543/2022-23 06/10/2022 Rs.39,957/-  
PU PD 554/2022-23 08/10/2022 Rs. 9,912/-  
High End PC Rs. 4, 87, 930/-
8. Details of other receipts/ interest earned on the PU grants: **NIL**
9. Total amount that was available for Expenditure during the financial year (Sl. Nos. 6, 7 and 8)  
Rs. 4, 75, 000/-
10. Actual expenditure (**excluding commitments**) incurred during the financial year (head wise details should be given in enclosed statement of expenditure) : Rs. 5, 37, 799/-
11. Unspent balance refunded, if any

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*[Handwritten signature]*



12. Balance amount available at the end of the financial year (-) 62,799/-
13. Amount allowed to be carried forward to the next financial year vide letter No. & date Nil

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised:

1.

2.



Signature of the PI



Signature of the Dean R&D



Signature of the Finance & Accounts officer

FINANCE OFFICER

Presidency University  
Dibbur, Itgalpur, Rajanakunte,  
Bengaluru - 560064.



Signature of the Vice Chancellor



REGISTRAR





# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

Date: 26-08-2021

## SANCTION LETTER

### FUNDED PROJECTS UNDER SEED GRANTS -AUGUST-SEPTEMBER 2021

To

Mr. Jerrin Joe Francis  
Assistant Professor  
Department of Computer Science  
School of Engineering  
Presidency University  
Bangalore- 560064

Sub:- Sanction of your Submitted Research Proposal  
Ref: Funded Projects/Seed Grants /ACC/ 26/08/2021-7

Dear Mr. Jerrin Joe Francis

Thank you so much for your interest in Seed Grants Scheme of Presidency University.  
We are pleased to inform you that your submitted research proposal "Trust -based communication for flying as-hoc networks (FANET)" has been approved and the grant is sanctioned for successful execution of the project based on the **Recommendations** of the Review Committee.  
The duration of the Project will be for **Two years** from the date of commencement of the project. The total sanctioned amount is **Rs. 4,75,000** with the date of commencement of the Project being **15<sup>th</sup> October 2021**. You are requested to adhere strictly to the **Rules & Regulations of the Seed Grants, PU**.

Wishing you good luck.

Dr. C S Ramesh  
Dean R&I



Vice Chancellor  
Presidency University  
Bangalore  
REGISTRAR  
Dr. D Subhakar  
Vice-Chancellor

City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025

Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064

Phone: + 80 4925 5533 / 5599 Email ID: [info@presidencyuniversity.in](mailto:info@presidencyuniversity.in)

[www.presidencyuniversity.in](http://www.presidencyuniversity.in)

ORIGINAL COPY

**PURCHASE ORDER**

TO:	M/s. EIS Techinfra Solutions (India) Pvt Ltd, #142/2, Raj Bhavan, 2nd Main Road, Munireddy Layout, Horamavu Main Road, Bangalore, Karnataka 560043, India Land Line No: 080-43773134 Contact Person :- Mr. Manjunath V Contact No. : 7899763129 Email : manjunath.v@einfratech.com	BILL TO & SHIP TO: PRESIDENCY UNIVERSITY Dibbur, Itgalpur Village, Hesaraghatta Hobli, Bangalore-560064.	
	PO No:	PU PD 554/2022-23	DATE: 08.10.2022
SUBCONTRACT / VENDOR CODE :		EIS	
KIND ATTN: Mr. Jerrin Joe Francis		Contact No.	9809976249

GST	29AADCE6860G1ZF	DEPARTMENT	CSE	INDENT NO:	PU/CSE/2022-23	SUPPLIER'S REF.	eis002206
TITLE:		SUPPLY OF WIFI ROUTER FOR Mr. JERRIN JOE FRANCIS (Asst. Prof., CSE, SOE - DEPT.) FOR SEED GRANT PROJECT - CSE DEPT.		INDENT DATE:	21.09.2022	DATE:	26.09.2022

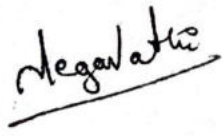

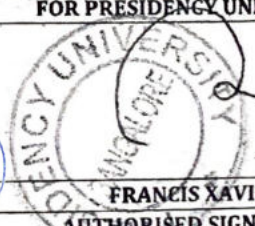
Please Supply the following as per this purchase order.

SL NO.	DESCRIPTION	MAKE	UOM	QTY	UNIT RATE	DISCOUNT	Total Value
1	TP-Link AC750 Wireless (TL-WR902AC)	TP-Link	Nos.	3	2,800		8400
<b>TOTAL</b>							<b>8,400</b>
<b>GST 18%</b>							<b>1512</b>
<b>GRAND TOTAL</b>							<b>9,912</b>

Amount in words: RUPEES NINE THOUSAND NINE HUNDRED AND TWELVE ONLY

PRICE BASIS	:	FOR PRESIDENCY UNIVERSITY
FREIGHT	:	INCLUSIVE
INSURANCE	:	NA
PAYMENT TERMS	:	1) WITHIN 21 DAYS FROM THE DATE OF RECEIPT OF DULY SIGNED AND STAMPED TAX INVOICE. 2) PROVIDE RELEVANT DOCUMENTS OR DECLARATION AS REQUIRED UNDER THE PROVISIONS OF SECTION 206AB OF THE INDIAN INCOME TAX ACT 1961, WITH REGARD TO HIGHER RATE OF DEDUCTION OF TAX AT SOURCE FOR NON FILERS OF INCOME TAX RETURN.
BANK / ACCOUNT DETAILS	:	NAME :- EIS Techinfra Solutions India Pvt. Ltd. BANK NAME :- HDFC Bank Ltd. A/C No. :- 50200005051900 IFSC :- HDFC0001759 BRANCH :- Banaswadi
PACKING/FORWARDING	:	INCLUSIVE
DESTINATION AT OUR SITES	:	UNIVERSITY CAMPUS
DUTIES AND TAXES	:	AS MENTIONED ABOVE
WARRANTY	:	1 YEAR FROM THE DATE OF INVOICE
DELIVERY	:	ON TOP PRIORITY
TRANSPORT	:	INCLUSIVE
REMARKS	:	DELIVERY THROUGH STORES DEPT. Mr. KIRAN - Mob.:9036121235

COPY OF ALL INVOICES, MENTIONING OUR PO NO, DULY SIGNED, STAMPED AND ACKNOWLEDGED AT SITE STORES SHOULD BE SENT TO ACCOUNTS PAYABLE DEPT BETWEEN 3 PM TO 5 PM (Monday to Friday).  
ADMISSION OFFICE: Presidency University Dibbur, Itgalpur Village, Hesaraghatta Hobli, Bangalore-560064  
Ms. Lakshmi Devi, Ph No:080 23093500, Extn.109, Email Id: lakshmidevi@presidencyuniversity.in

PREPARED BY : L MEGAVATHI		FOR PRESIDENCY UNIVERSITY
		
	REGISTRAR	FRANCIS XAVIER AUTHORISED SIGNATORY

**ORIGINAL COPY  
PURCHASE ORDER**

TO:	M/s. Drona Aviation Pvt. LTD Office 101, Sajjangad Apartment, Sajjangad Apartment, Siddharth Nagar, Majiwada Thane Maharashtra 400601 Contact Person : Mr. Omkar Contact Number : 8898865508/ 7066011808 Email Id:- accounts@dronaaviation.com	<b>BILL TO &amp; SHIP TO:</b> PRESIDENCY UNIVERSITY Dibbur, Itgalpur Village, Hesaraghatta Hobli, Bangalore-560064.	
	PO No: <b>PU PD 543/2022-23</b>	DATE: <b>06.10.2022</b>	
SUBCONTRACT / VENDOR CODE :		KIND ATTN: Mr. Jerrin Joe Francis	

GST	27AAFCD17713K1ZF	Category	PLANNED	Contact No.	9809976249
DEPARTMENT	CSE	INDENT NO:	PU/CSE/2022-23	SUPPLIER'S REF.	1312
TITLE:	SUPPLY OF DRONE WITH BATTERY FOR SEED GRANT PROJECT - CSE Dept.	INDENT DATE:	21.09.2022	DATE :	22.09.2022

Please Supply the following as per this purchase order.

SL NO.	DESCRIPTION	UOM	QTY	UNIT RATE	DISCOUNT	TOTAL VALUE
1	Pluto X	Nos.	3	11863.56		35590.68
2	Battery 600mAh	Nos.	2	559.32		1118.64
<b>TOTAL</b>						36709
<b>SPECIAL DISCOUNT</b>						2847
<b>TOTAL AFTER DISCOUNT</b>						33862
<b>GST 18%</b>						6095
<b>GRAND TOTAL</b>						39,957

**Amount in words: RUPEES THIRTY NINE THOUSAND NINE HUNDRED AND FIFTY SEVEN ONLY**

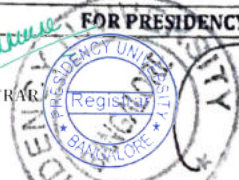
PRICE BASIS	:	FOR PRESIDENCY UNIVERSITY
FREIGHT	:	NA
INSURANCE	:	NA
PAYMENT TERMS	:	1) 100% ADVANCE. 2) PROVIDE RELEVANT DOCUMENTS OR DECLARATION AS REQUIRED UNDER THE PROVISIONS OF SECTION 206AB OF THE INDIAN INCOME TAX ACT 1961, WITH REGARD TO HIGHER RATE OF DEDUCTION OF TAX AT SOURCE FOR NON FILERS OF INCOME TAX RETURN. DECLARATION ATTACHED.
BANK / ACCOUNT DETAILS	:	Name :- DRONA AVIATION PVT LTD      Bank Name:- CANARA BANK A/C No. :- 0266261052789      IFSC :- CNRB0000266 Branch :- THANE EAST KOPRI
PACKING/FORWARDING	:	INCLUSIVE
DESTINATION AT OUR SITES	:	UNIVERSITY CAMPUS
DUTIES AND TAXES	:	AS MENTIONED ABOVE
WARRANTY	:	6 MONTH, ONLY ON FLIGHT CONTROLLER FROM THE DATE OF INVOICE
DELIVERY	:	ON TOP PRIORITY
TRANSPORT	:	INCLUSIVE
REMARKS	:	DELIVERY THROUGH STORES DEPT. Mr. KIRAN - Mob.:9036121235

**COPY OF ALL INVOICES, MENTIONING OUR PO NO, DULY SIGNED, STAMPED AND ACKNOWLEDGED AT SITE STORES SHOULD BE SENT TO ACCOUNTS PAYABLE DEPT BETWEEN 3 PM TO 5 PM (Monday to Friday).**

ADMISSION OFFICE: Presidency University Dibbur, Itgalpur Village, Hesaraghatta Hobli, Bangalore-560064  
Ms. Lakshmi Devi, Ph No:080 23093500, Extn.109, Email Id: lakshmid@presidencyuniversity.in

PREPARED BY: L MEGAVATHI

*Megavathi*

FOR PRESIDENCY UNIVERSITY  
REGISTRAR  
  
FRANCIS XAVIER  
AUTHORISED SIGNATORY



# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

Date: 26-08-2021

## SANCTION LETTER

### FUNDED PROJECTS UNDER SEED GRANTS –AUGUST-SEPTEMBER 2021

To

Mr. Jerrin Joe Francis  
Assistant Professor  
Department of Computer Science  
School of Engineering  
Presidency University  
Bangalore- 560064

Sub:- Sanction of your Submitted Research Proposal  
Ref: Funded Projects/Seed Grants /ACC/ 26/08/2021-7

Dear Mr. Jerrin Joe Francis

Thank you so much for your interest in Seed Grants Scheme of Presidency University. We are pleased to inform you that your submitted research proposal "Trust –based communication for flying ad-hoc networks (FANET)" has been approved and the grant is sanctioned for successful execution of the project based on the **Recommendations** of the Review Committee.

The duration of the Project will be for **Two** years from the date of commencement of the project. The total sanctioned amount is **Rs. 4,75,000** with the date of commencement of the Project being **15<sup>th</sup> October 2021**. You are requested to **adhere strictly** to the **Rules & Regulations of the Seed Grants, PU**.

Wishing you good luck.

Dr. C S Ramesh

Dean R&I

Dr. D Subhakar

Vice-Chancellor



City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025

Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064

Phone: + 80 4925 5533 / 5599 Email ID: [info@presidencyuniversity.in](mailto:info@presidencyuniversity.in)

[www.presidencyuniversity.in](http://www.presidencyuniversity.in)

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# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## SEED GRANTS

### Project Title

**“Iris Data Protection Using Machine Learning”**

### **UTILIZATION CERTIFICATE (UC)**

**Financial Year 2021-2022**

March 2023

Submitted By-

**Dr. Gopal K Shyam**

Professor & HOD

COM & CEI

School of CSE

Presidency University

Bengaluru-560064



1. Title of the Project/Scheme: Iris Data Protection Using Machine Learning

2. Name of the Organization: **Presidency University, Bangalore**
3. Principal Investigator : Dr. Gopal K Shyam
4. Nam of the Co-PI (If any):-NA
5. Dept. of CSE Sanction Order  
No. & date of sanctioning the fund: Funded Projects/Seed Grants /ACC/26/08/2021-9 Dated: 26 -08 -2021
6. Amount sanctioned (i) Amount: Rs.4,25,000/-  
(ii) Letter No: *PO number: ACC/26/08/2021*  
*PU PD 170/2021-22 Dated 03/09/2021*  
(iii) Date: 26/8/2021.
7. Amount received towards the purchase (PO Number and Date of Purchased): 4,25,000 -*PU PD 170/2021-22 Dated 03/09/2021*
8. Details of other receipts/ interest earned on the PU grants: **NIL**
9. Total amount that was available for Expenditure during the financial year (Sl. Nos. 6, 7 and 8) Rs.4,25,000/-
10. Actual expenditure (**excluding commitments**) incurred during the financial year (head wise details should be given in enclosed statement of expenditure) : **RS. 4,87,900/-**

*Jayashree*  
REGISTRAR  
  
BANGALORE

*[Handwritten signature]*

Details as follows below:


- a. Equipment: HP Z4G4T i910900X 128 GB/1TB PC- 1
- b. Specifications:

Device name	DESKTOP-APBRUT3
Processor	Intel(R) Core(TM) i9-10900X CPU @ 3.70GHz 3.70 GHz
Installed RAM	128 GB (128 GB usable)
Device ID	C405A735-F9F8-47ED-A900-C4984C07DD0A
Product ID	00330-54059-28077-AAOEM
System type	64-bit operating system, x64-based processor

- 11. Unspent balance refunded, if any  
(Please give details of cheque No. etc.) : NIL
  
- 12. Balance amount available at the end  
of the financial year (-) 62,900 / : NIL
  
- 13. Amount allowed to be carried forward to the  
next financial year vide letter No. & date :NIL

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

*[Handwritten Signature]*  
Signature of the PI

*[Handwritten Signature]*  
Signature of the Dean R&D  


Signature of the Finance & Accounts officer

FINANCE OFFICER

Signature of the Vice Chancellor  
Presidency University  
Dibbur, Itgalpura, Bengaluru - 560064.

*[Handwritten Signature]*  
REGISTRAR  


Vice Chancellor  
Presidency University  
Itgalpura  
Bengaluru - 560 064.





# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

Date: 26-08-2021

## SANCTION LETTER

### FUNDED PROJECTS UNDER SEED GRANTS - AUGUST-SEPTEMBER 2021

To

**Dr. Gopal K. Shyam**  
Assistant Professor  
Department of Computer Science  
School of Engineering  
Presidency University  
Bangalore- 560064

**Sub:-** Sanction of your Submitted Research Proposal  
**Ref:-** Funded Projects/Seed Grants /ACC/ 26/08/2021-8


**Dear Dr. Gopal K. Shyam**

Thank you so much for your interest in Seed Grants Scheme of Presidency University.  
We are pleased to inform you that your submitted research proposal "IRIS Data protection using machine learning technique" has been approved and the grant is sanctioned for successful execution of the project based on the **Recommendations** of the Review Committee.  
The duration of the Project will be for **Two years** from the date of commencement of the project.  
The total sanctioned amount is **Rs. 4,25,000** with the date of commencement of the Project being **15<sup>th</sup> October 2021**. You are requested to **adhere strictly** to the **Rules & Regulations** of the Seed Grants, PU.

Wishing you good luck.

Dr. C S Ramesh

Dean R&I

  
Dr. D Subhakar

Vice-Chancellor



City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025

Campus: Presidency University, Itgalur, Rajankunte

Phone - 80 4925 5533 / 5539 Email ID

www.presidencyuniversity.in

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# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## SEED GRANTS

### Project Title

**“Recommendation Systems in E-commerce  
Using Deep Learning Techniques”**

**UTILIZATION CERTIFICATE (UC)**

**Financial Year 2021-2022**

March 2023

Submitted By-

**Dr. Blessed Prince P**

Associate Professor  
Dept. of CSE  
School of Engineering  
Presidency University  
Bengaluru-560064

  
REGISTRAR 

1. **Title of the Project/Scheme:** Recommendation Systems in E-commerce using Deep Learning Techniques under Seed Grants Scheme
2. **Name of the Organization:** Presidency University, Bangalore
3. **Principal Investigator:** Dr. Blessed Prince P
4. **Name of the Co-PI (If any):** NA
5. **Dept. of CSE Sanction Order**  
**No. & date of sanctioning the fund:** Funded Projects/Seed Grants /ACC/26/08/2021-10  
Dated: 26 -08 -2021
6. **Amount sanctioned:** Rs.4,50,000/-
7. **Amount received towards the purchase (PO Number and Date of Purchased):**  
Rs.4,50,000/-, PO number: PU PD 170/2021-22 Dated 03/09/2021
8. **Details of other receipts/ interest earned on the PU grants:** NIL
9. **Total amount that was available for Expenditure during the financial year**  
**(Sl. Nos. 6, 7 and 8):** Rs.4,50,000/-
10. **Actual expenditure (excluding commitments) incurred during the financial year (head wise details should be given in the enclosed statement of expenditure):** Rs.4,87,900/-

Details as follows below:

- a. Equipment: HP Z4G4T i910900X 128 GB/1TB PC- 1
- b. Specifications:

Device name	DESKTOP-APBRUT3
Processor	Intel(R) Core(TM) i9-10900X CPU @ 3.70GHz 3.70 GHz
Installed RAM	128 GB (128 GB usable)
Device ID	C405A735-F9F8-47ED-A900-C4984C07DD0A
Product ID	00330-54339-28077-AAOEM
System type	64-bit operating system, x64-based processor




11. Unspent balance refunded, if any  
(Please give details of cheque No. etc.) : NIL
12. Balance amount available at the end  
of the financial year : ~~NIL~~ (-) 37,900/-
13. Amount allowed to be carried forward to the  
next financial year vide letter No. & date : NIL


Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised:

- 1.
- 2.
- 3.

  
Signature of the PI

  
Signature of the Dean R&D  
Dean  
Research & Development  
Presidency University  
Bangalore - 560064.

  
FINANCE OFFICER  
Presidency University  
Dibbur, Itgalpur, Rajanakunte,  
Bangalore - 560064.  
Signature of the Finance & Accounts officer

  
Signature of the Vice Chancellor  


Vice Chancellor  
Presidency University  
Itgalpura,  
Bangaluru - 560 064.



# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

Date: 26-08-2021

## SANCTION LETTER

### FUNDED PROJECTS UNDER SEED GRANTS -AUGUST-SEPTEMBER 2021

To

Dr. Blessed Prince P  
Associate Professor  
Department of Computer Science  
School of Engineering  
Presidency University  
Bangalore- 560064

Sub:- Sanction of your Submitted Research Proposal  
Ref: Funded Projects/Seed Grants /ACC/ 26/08/2021-10

Dear Dr. Blessed Prince P

Thank you so much for your interest in Seed Grants Scheme of Presidency University.  
We are pleased to inform you that your submitted research proposal "Recommendation systems" has been approved and the grant is sanctioned for successful execution of the project based on the **Recommendations** of the Review Committee.  
The duration of the Project will be for **Two years** from the date of commencement of the project. The total sanctioned amount is **Rs. 4,50,000** with the date of commencement of the Project being **15<sup>th</sup> October 2021**. You are requested to adhere strictly to the **Rules & Regulations of the Seed Grants. PU.**

Wishing you good luck.

Dr. C S Ramesh

26/08/2021

Dean R&I

Vice Chancellor  
Presidency University  
Itgalpura,  
Bangalore - 560 054

Dr. D Subhakar

Vice-Chancellor

City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025

Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064

Phone: + 80 4925 5533 / 5599 Email ID: [info@presidencyuniversity.edu](mailto:info@presidencyuniversity.edu)

[www.presidencyuniversity.edu](http://www.presidencyuniversity.edu)

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# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## SEED GRANTS

### Project Title

**“Handling Scalability and Throughput concerns in Blockchain Technology”**

**UTILIZATION CERTIFICATE (UC)**

**Financial Year 2021-2022**

March 2023

Submitted By-

**Dr. Mohamadi Begum Y**

Professor

Dept. of CSE

School of Engineering

Presidency University

Bengaluru-560064



1. **Title of the Project/Scheme: Handling Scalability and Throughput concerns in Blockchain Technology under Seed Grants Scheme**

2. **Name of the Organization:** Presidency University, Bangalore
3. **Principal Investigator:** Dr. Mohamadi Begum Y
4. **Name of the Co-PI (If any):** NA
5. **Dept. of CSE Sanction Order**  
**No. & date of sanctioning the fund:** Funded Projects/Seed Grants /ACC/26/08/2021-9  
**Dated:** 26 -08 -2021
6. **Amount sanctioned:** Rs.4,50,000/-
7. **Amount received towards the purchase (PO Number and Date of Purchased):**  
Rs.4,50,000/-, *PO number: PU PD 170/2021-22 Dated 03/09/2021*
8. **Details of other receipts/ interest earned on the PU grants:** NIL
9. **Total amount that was available for Expenditure during the financial year**  
**(Sl. Nos. 6, 7 and 8):** Rs.4,50,000/-
10. **Actual expenditure (excluding commitments) incurred during the financial year (head wise details should be given in the enclosed statement of expenditure):** Rs.4,87,900/-

Details as follows below:

- a. Equipment: HP Z4G4T i910900X 128 GB/1TB PC- 1
- b. Specifications:

Device name	DESKTOP-APBRUT3
Processor	Intel(R) Core(TM) i9-10900X CPU @ 3.70GHz 3.70 GHz
Installed RAM	128 GB (128 GB usable)
Device ID	C405A735-F9F8-47ED-A900-C4984C07DD0A
Product ID	00330-54059-28077-AAOEM
System type	64-bit operating system, x64-based processor

11. **Unspent balance refunded, if any**  
**(Please give details of cheque No. etc.)**

*Sanne*  
REGISTRAR  


: NIL

*[Signature]*

12. Balance amount available at the end of the financial year

~~NIL~~ (-) 37,900/-

13. Amount allowed to be carried forward to the next financial year vide letter No. & date

: NIL

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised:

- 1.
- 2.
- 3.

Signature of the PI

Signature of the Dean R&D  
Dean

FINANCE OFFICER  
Presidency University  
Dibbur, Itgalpur, Rajanakunte,  
Bengaluru - 560064.

Signature of the Finance & Accounts officer

Research & Development  
Presidency University  
Bangalore - 560064.

Signature of the Vice Chancellor

Vice Chancellor  
Presidency University  
Itgalpura,  
Bengaluru - 560 064.

REGISTRAR





GAIN MORE KNOWLEDGE.  
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# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## SEED GRANT

Financial Year "1<sup>st</sup> April 2020 to 31<sup>st</sup> March 2021"

### Project Title

"Development of a Team of Robots for Lagori Game"

## UTILIZATION CERTIFICATE

"March 2021"

Submitted By-

**Dr. Gorad Sagar**

Asst. Professor

Department of Mechanical Engineering

Presidency University

Bengaluru- 560064

  
REGISTRAR 

1. Title of the Project/Scheme: Development of a Team of Robots for Lagori Game
2. Name of the Organization: Presidency University, Bangalore
3. Principal Investigator : Dr. Gorad Sagar
4. Nam of the Co-PI (If any):-
5. Sanction letter  
No. & date of sanctioning the fund: ROBOT/10/10/2021-22  
Dt:- 10-10-2021  
Amount sanctioned (i) Amount: 2,00,000/-  
(ii) Letter No: Ref : R&IC Funded Projects /Seed Grants/ ROBOT/10/10/2021-22  
Dt:- 10-10-2021  
(iii) Letter Date: dt: 10-10-2021
6. Amount received towards the purchase (PO Number and Date of Purchased)  
:- -----
7. Details of other receipts/ interest earned on the PU grants: :- \_\_\_\_\_
8. Total amount that was available for Expenditure during the financial year (Sl. Nos. 6, 7 and 8):- \_\_\_\_\_
9. Actual expenditure (**excluding commitments**) incurred during the financial year (head wise details should be given in enclosed statement of expenditure) : **86,140/- (Inclusive of GST)**
10. Unspent balance refunded, if any  
(Please give details of cheque No. etc.) \_\_\_\_\_
11. Balance amount available at the end of the financial year \_\_\_\_\_

*Janus*  
REGISTRAR  
  
Registrar  
: 1,13,860) \_\_\_\_\_

*[Handwritten signature]*

12. Amount allowed to be carried forward to the next financial year vide letter No. & date \_\_\_\_\_ :

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised:

- 1.
- 2.
- 3.



Signature of the PI



Signature of the Dean R&D



Signature of the Finance & Accounts officer

FINANCE OFFICER

Presidency University  
Dibbur, Itgalpur, Rajanakunte,  
Bengaluru - 560064.



Signature of the Vice Chancellor

Vice Chancellor  
Presidency University  
Itgalpura,  
Bengaluru - 560 064.



REGISTRAR





# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

Date: 10-10-2021

## SANCTION LETTER

### FUNDED PROJECTS UNDER SEED GRANTS –OCTOBER 2021

To

**Dr. Gorad Sagar**

Asst. Professor

Department of Mechanical Engineering,

Presidency University

Bangalore- 560064

**Sub:-** Sanction of your Submitted Research Proposal

**Ref:** Funded Projects/Seed Grants/ROBOT/10/10/2021-22

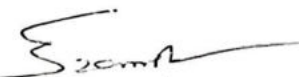
**Dr. Gorad Sagar**

Thank you so much for your interest in Seed Grants Scheme of Presidency University.

We are pleased to inform you that your submitted research proposal "**Development of a Team of Robots for Lagori Game**" has been approved and the grant is sanctioned for successful execution of the project based on the **Recommendations** of the Review Committee.

The duration of the Project will be for **One year** from the date of commencement of the project. The total sanctioned amount is **Rs. 2,00,000** with the date of commencement of the Project being **25<sup>th</sup> October, 2021**. You are requested to **adhere strictly** to the **Rules & Regulations of the Seed Grants, PU**.

Wishing you good luck.

  
Dr. C S Ramesh

Dean R&I





Dr. D Subhakar

Vice- Chancellor  
Vice Chancellor  
Presidency University  
Itgalpura,  
Bengaluru - 560 064.

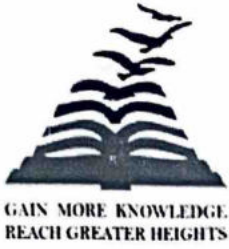


City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025

Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064

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[www.presidencyuniversity.in](http://www.presidencyuniversity.in)



# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## SEED GRANT

Financial Year "1<sup>st</sup> April 2020 to 31<sup>st</sup> March 2021"

### Project Title

"Improvisation of Hybrid Car"

## UTILIZATION CERTIFICATE

"March 2021"

Submitted By-

**Dr. Satish Boppana**

Professor & Head

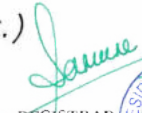

Department of Mechanical Engineering

School of Engineering

Presidency University

Bengaluru- 560064

  
REGISTRAR 

1. Title of the Project/Scheme: **"Improvisation of Hybrid Car"**
2. Name of the Organization: Presidency University, Bangalore
3. Principal Investigator : **Dr. Satish Boppanna**
4. Nam of the Co-PI (If any):-
5. Sanction letter  
No. & date of sanctioning the fund: **HYBRID-I/10/10/2020-21**  
Dt:- 10-10-2021  
  
Amount sanctioned (i) Amount: **6,00,000/-**  
(ii) Letter No: Ref : R&IC Funded Projects /Seed  
Grants/ HYBRID-I/10/10/2020-21  
Dt:- 10-10-2021
6. Amount received towards the purchase (PO Number and Date of Purchased)
  - i) PUPD251/2022-23/ 05-07-2022
  - ii) PUPD649/2022-23/9-11-2022
  - iii) PUPD647/2022-23/08-11-2022
  - iv) PUPD640/2022-23/01-11-2022
  - v) AN/045/2022-23/ 18-11-2022
  - vi) PUPD68/2022-23/16-11-2022
  - vii) PUPD639/2022-23/07-11-2022
  - viii) PUPD643/2022-23/16-11-2022
7. Details of other receipts/ interest earned on the PU grants: Nil
8. Total amount that was available for Expenditure during the financial year (Sl. Nos. 6, 7 and 8):- **6,00,000/-**
9. Actual expenditure (**excluding commitments**) incurred during the financial year (head wise details should be given in enclosed statement of expenditure):- Basic;- 5,23,959+GST 50,504= **5,74,463/-**
10. Unspent balance refunded, if any  
(Please give details of cheque No. etc.) \_\_\_\_\_ :
11. Balance amount available at the end of the financial year \_\_\_\_\_ **25,537/-**  
  

12. Amount allowed to be carried forward to the next financial year vide letter No. & date \_\_\_\_\_ :

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised:

- 1.
- 2.
- 3.



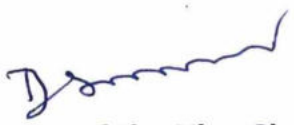
Signature of the PI



Signature of the Dean R&D

Dean  
Research & Development  
Presidency University  
Bangalore - 560064.

FINANCE OFFICER  
Presidency University  
Dibbur, Itgalpura, Rajanakunte,  
Bangalore - 560064.  
Signature of the Finance & Accounts officer



Signature of the Vice Chancellor

Vice Chancellor  
Presidency University  
Itgalpura,  
Bengaluru - 560 064

REGISTRAR  




# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

Date: 10-10-2021

## SANCTION LETTER

### FUNDED PROJECTS UNDER SEED GRANTS -OCTOBER 2021

To

**Dr. Satish Boppana**

Professor & Head

Department of Mechanical Engineering,

Presidency University

Bangalore- 560064

**Sub:-** Sanction of your Submitted Research Proposal

**Ref:** Funded Projects Seed Grants/HYBRID-1/10/10/2020-21

**Dear Dr. Satish Boppana**

Thank you so much for your interest in Seed Grants Scheme of Presidency University.

We are pleased to inform you that your submitted research proposal "**Improvisation of Hybrid Car**" has been approved and the grant is sanctioned for successful execution of the project based on the **Recommendations** of the Review Committee.

The duration of the Project will be for **One year** from the date of commencement of the project.

The total sanctioned amount is **Rs. 6,00,000/-** with the date of commencement of the Project being **10<sup>th</sup> October, 2021**. You are requested to **adhere strictly** to the **Rules & Regulations of the Seed Grants, PU**.

Wishing you good luck.

Dr. C S Ramesh

Dean R&D



*Received*  
*Satish*

*Sarav*  
REGISTRAR  
PRESIDENCY UNIVERSITY  
Registrar

Dr. D Subhakar

Vice-Chancellor

City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025

Campus: Presidency University, Itgalpur, Rajankunte, Bengaluru - 560064

Phone: + 80 4925 5533 / 5599 Email ID: -

www.presidencyuniversity.in





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REACH GREATER HEIGHTS

# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## SEED GRANT

Financial Year "1<sup>st</sup> April 2021 to 31<sup>st</sup> March 2022"

### Project Title

"Drone Assisted Surveying of Agricultural Field"

## UTILIZATION CERTIFICATE

"March 2022"

Submitted by -

**Dr. Nakul Ramanna**

Professor and Head

Department of Civil Engineering

Presidency University

Bengaluru- 560064

  
REGISTRAR  


1. Title of the Project/Scheme: Drone Assisted Surveying of Agricultural Field
2. Name of the Organization: Presidency University, Bangalore
3. Principal Investigator : Dr. Nakul Ramanna
4. Nam of the Co-PI (If any):- Dr. Shwetha A
5. Sanction letter  
No. & date of sanctioning the fund: DRONE/10/10/2020-21

Dt:- 10-10-2021

Amount sanctioned (i) Amount: 16,50,000/-

(ii) Letter No: Ref: R&IC Funded Projects /Seed Grants/ DRONE/10/10/2020-21

Dt:- 10-10-2021

(iii) Letter Date: Dt: 10-10-2021

6. Amount received towards the purchase (PO Number and Date of Purchase)

:- 16,34,500.00 PO - PU PD 267/2022-23, Dated 07/07/22

7. Details of other receipts/ interest earned on the PU grants: :- \_\_\_\_\_

8. Total amount that was available for Expenditure during the financial year (Sl. Nos. 6, 7 and 8):- 16,34,500.00

9. Actual expenditure (**excluding commitments**) incurred during the financial year (head wise details should be given in enclosed statement of expenditure) : Enclosed

SI no	Equipment name	Actual Cost
1	Professional Survey Grade Unmanned Aerial Vehicle/Drone SNAP-M PPK from CDSpace with Pix4d Drone Data processing software	13,40,290
	Tax 18% GST	2,94,210
	Total	16,34,500.00

10. Unspent balance refunded, if any  
(Please give details of cheque No. etc.)

: \_\_\_\_\_  


REGISTRAR  
PRESIDENCY UNIVERSITY  
BANGALORE





# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

Date: 10-10-2021

## SANCTION LETTER

### FUNDED PROJECTS UNDER SEED GRANTS - OCTOBER 2021

To

Dr. Nakul Ramanna

Professor & Head

Department of Civil Engineering,

Presidency University,

Bangalore, Karnataka

Subj: Sanction of your Submitted Research Proposal

Ref: Funded Projects Seed Grants DRONE 10/10/2020-21

Dear Dr. Nakul Ramanna

Thank you so much for your interest in Seed Grants Scheme of Presidency University.

We are pleased to inform you that your submitted research proposal "**Drone Assisted Surveying of Agricultural Field**" has been approved and the grant is sanctioned for successful execution of the project based on the **Recommendations** of the Review Committee.

The duration of the Project will be for **One year** from the date of commencement of the project. The total sanctioned amount is **Rs. 16,50,000/-** with the date of commencement of the Project being **10<sup>th</sup> October, 2021**. You are requested to adhere strictly to the Rules & Regulations of the Seed Grants, PU.

Wishing you good luck.

Dr. C S Ramesh

Dean R&I

Dr. D Subhakar

Vice-Chancellor

Received  
Subhakar

REGISTRAR



City Office: University House, 8/1, King Street, Richmond Town, Bangalore - 560025

Campus: Presidency University, Talabekki, Karnataka - Bangalore - 560025

Phone: + 91 929 9533 75599 Email ID

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# PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No.41 of 2013)

## SEED GRANTS

Financial Year "1<sup>st</sup> April 2021 to 31<sup>st</sup> March 2022"

### Project Title

"Study of Polymer encapsulated nanomagnetic (core shell) materials for energy storage applications"

## UTILIZATION CERTIFICATE (UC)

"March-2022"

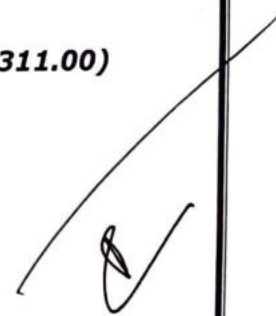
Submitted By-  
Dr Deepthi P R

Principal Investigator  
Dr Deepthi P R

  
REGISTRAR 

1. Title of the Project/Scheme: Study of Polymer encapsulated nanomagnetic (core shell) materials for energy storage applications
2. Name of the Organization: **Presidency University, Bangalore**
3. Principal Investigator : **Dr Deepthi P R**
4. Nam of the Co-PI (If any):-
5. Dept. of Physics Sanction Order  
No. & date of sanctioning the fund: **Funded Projects/Seed Grants/SI-4/08/11/2021-4**
6. Amount sanctioned (i) Amount: **Rs. 12,21,300.00**  
(ii) Letter No: **Funded Projects/Seed Grants/SI-4/08/11/2021-4**  
(iii) Date: **08.11.2021**
7. Amount received towards the purchase (PO Number and Date of Purchased)  
(i) Electrochemical workstation, PU PD 242/2021-22, Date: 13-10-2021, **Rs.9,19,989.00**
8. Details of other receipts/ interest earned on the PU grants: **NIL**
9. Total amount that was available for Expenditure during the financial year (Sl. Nos. 6, 7 and 8): **Rs. 12,21,300.00**
10. Actual expenditure (**excluding commitments**) incurred during the financial year (head wise details should be given in enclosed statement of expenditure) **Rs.9,19,989.00**
11. Unspent balance refunded, if any  
(Please give details of cheque No. etc.) **: Rs. (+3,01,311.00)**

  
REGISTRAR  

12. Balance amount available at the end of the financial year : **NIL**
13. Amount allowed to be carried forward to the next financial year vide letter No. & date : **NIL**

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised:

- 1.
- 2.
- 3

for  
Signature of the PI

Signature of the Dean R&D  
Dean  
Research & Development  
Presidency University  
Bangalore - 560064.

Signature of the Vice Chancellor

Signature of the Finance & Accounts officer  
FINANCE OFFICER  
Presidency University  
Dibbur, Itgalpur, Rajanakunte  
Bengaluru - 560064.

