



LPCPS

LUCKNOW PUBLIC COLLEGE OF
PROFESSIONAL STUDIES

(Affiliated to University of Lucknow, Lucknow)

MAJOR RESEARCH PROJECT

HUMAN-ROBOT INTERACTION: IMPORTANCE AND EXPERIMENTS

- Project Name** : **HUMAN-ROBOT INTERACTION:
IMPORTANCE AND EXPERIMENTS**
- Project No.** : 2021/MRP/05/LPES
- Project Tenure** : April 01, 2021 – March 31, 2024
- Project Cost** : ~ Rs. 5.0 Lacs
- Project Scheme** : R & D Grant-in-Aid Scheme
- Funding Agency** : Lucknow Public Educational
Society, 'A' Block, Rajajipuram,
Lucknow (U.P.), India-226017.

Principal

Lucknow Public College of Professional Studies
Vinamra Khand, Gomtinagar, Lucknow

LUCKNOW PUBLIC EDUCATIONAL SOCIETY

A-Block, Rajajipuram, Lucknow (U.P.), India - 226017

Ref. No. : LPES/CPSPS / G10/2021/04/01

Date : 01/04/2021

APPROVAL LETTER FOR PROJECT

Dear **Dr. Laxmi Shankar Awasthi** (Principal Investigator),

I hope you are doing well. I want to inform you that the *Lucknow Public Educational Society, 'A' Block, Rajajipuram, Lucknow* has approved your project **"HUMAN-ROBOT INTERACTION: IMPORTANCE AND EXPERIMENTS"**. We hope your project brings growth and development to the organization Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow and Country also.

In your project, you have mentioned that it will take three years to complete the Project i.e. 01st April 2021- 31st March 2024. We wish you all the best to accomplish the task. You will need to regularly submit reports regarding the Project's Progress and how it is being completed.

Name of the Project: HUMAN-ROBOT INTERACTION:
IMPORTANCE AND EXPERIMENTS

Name of the Funding Agency: LUCKNOW PUBLIC EDUCATIONAL
SOCIETY, 'A' BLOCK, RAJAJIPURAM,
LUCKNOW.

Cost of the Project: Approximately Rs. 5.0 Lacs

We wish you all the best, and may this bring a good name to the Organization.



(Dr. S. P. Singh)
General Manager

(S. P. Singh)
General Manager

Lucknow Public College of Professional Studies
Vinamra Khand, Gomti Nagar, Lucknow

01st APRIL, 2021

Principal
Lucknow Public College of Professional Studies
Vinamra Khand, Gomtinagar, Lucknow

LUCKNOW PUBLIC EDUCATIONAL SOCIETY

A-Block, Rajajipuram, Lucknow (U.P.), India - 226017

Ref. No.: LPES/CFPCS / G.MO/2021/04/02

Date: 01/04/2021

OFFICE MEMORANDUM

Sub: R/P entitled "**HUMAN-ROBOT INTERACTION: IMPORTANCE AND EXPERIMENTS**" under **Dr. Laxmi Shankar Awasthi**, Department of Computer Science, Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow bearing sanction **No. 2021/MRP/05/LPES** with LPES 'A' Block, Rajajipuram, Lucknow.

Dear Dr. Laxmi Shankar Awasthi, I am pleased to convey the administrative approval of the Lucknow Public Educational Society, 'A' Block, Rajajipuram, Lucknow, the amount sanctioned for the year **2021-22** will be Rs. 2,00,000/- (Rupees Two Lakh Only) towards Project Expenditures.

Copy forwarded to:

1. Principal, Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow.
2. Investigator-in-Charge: **Dr. Laxmi Shankar Awasthi**, Department of Computer Science, Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow.

Note:

1. All the documents as applicable have to be sent in time to avoid delays and unnecessary correspondence.
2. **Please quote the Sanction Number (No. 2021/MRP/05/LPES) in all your correspondence with LPES 'A' Block, Rajajipuram, Lucknow.**


(Dr. S. P. Singh)
General Manager
(S. P. Singh)
General Manager
Lucknow Public College of Professional Studies
Vinamra Khand, Gomti Nagar, Lucknow

01st APRIL, 2021



Principal
Lucknow Public College of Professional Studies
Vinamra Khand, Gomtinagar, Lucknow

LUCKNOW PUBLIC EDUCATIONAL SOCIETY

A-Block, Rajajipuram, Lucknow (U.P.), India - 226017

Ref. No. : LPES/PCPS/GMO/2022/04/01

Date : 01/04/2022

OFFICE MEMORANDUM

Sub: R/P entitled "**HUMAN-ROBOT INTERACTION: IMPORTANCE AND EXPERIMENTS**" under **Dr. Laxmi Shankar Awasthi**, Department of Computer Science, Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow bearing sanction No. **2021/MRP/05/LPES** with LPES 'A' Block, Rajajipuram, Lucknow.

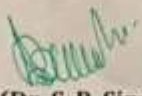
Dear Dr. Laxmi Shankar Awasthi, I am pleased to convey the administrative approval of the Lucknow Public Educational Society, 'A' Block, Rajajipuram, Lucknow, the amount sanctioned for the year **2022-23** will be Rs. 2,00,000/- (Rupees Two Lakh Only) towards Project Expenditures.

Copy forwarded to:

1. Principal, Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow.
2. Investigator-in-Charge; **Dr. Laxmi Shankar Awasthi**, Department of Computer Science, Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow.

Note:

1. All the documents as applicable have to be sent in time to avoid delays and unnecessary correspondence.
2. **Please quote the Sanction Number (No. 2021/MRP/05/LPES) in all your correspondence with LPES 'A' Block, Rajajipuram, Lucknow.**


(Dr. S. P. Singh)
General Manager

01st APRIL, 2022

(S. P. Singh)
General Manager
Lucknow Public College of Professional Studies
Vinamra Khand, Gomti Nagar, Lucknow



Principal
Lucknow Public College of Professional Studies
Vinamra Khand, Gomtinagar, Lucknow



LPCPS

LUCKNOW PUBLIC COLLEGE OF
PROFESSIONAL STUDIES

(Affiliated to University of Lucknow, Lucknow)

MAJOR RESEARCH PROJECT

**RESEARCH ON GREEN DESIGN AND ASSEMBLY OF
ENVIRONMENTAL RESPONSIVE CAR**

- Project Name** : **RESEARCH ON GREEN DESIGN AND
ASSEMBLY OF ENVIRONMENTAL
RESPONSIVE CAR**
- Project No.** : 2022/MRP/06/LPES
- Project Tenure** : April 01, 2022 – March 31, 2025
- Project Cost** : ~ Rs. 5.0 Lacs
- Project Scheme** : R & D Grant-in-Aid Scheme
- Funding Agency** : Lucknow Public Educational
Society, 'A' Block, Rajajipuram,
Lucknow (U.P.), India-226017.

Principal
Lucknow Public College of Professional Studies
Vinamra Khand, Gomtinagar, Lucknow

☎: 0522-2661195

LUCKNOW PUBLIC EDUCATIONAL SOCIETY

A-Block, Rajajipuram, Lucknow (U.P.), India - 226017

Ref. No. : LPES/CPGPS/GM0/2022/04/02

Date : 01/04/2022

APPROVAL LETTER FOR PROJECT

Dear **Dr. Laxmi Shankar Awasthi** (Principal Investigator),

I hope you are doing well. I want to inform you that the *Lucknow Public Educational Society, 'A' Block, Rajajipuram, Lucknow* has approved your project **"RESEARCH ON GREEN DESIGN AND ASSEMBLY OF ENVIRONMENTAL RESPONSIVE CAR"** We hope your project brings growth and development to the organization Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow and Country also.


In your project, you have mentioned that it will take three years to complete the Project i.e. 01st April 2022- 31st March 2025. We wish you all the best to accomplish the task. You will need to regularly submit reports regarding the Project's Progress and how it is being completed.

Name of the Project: RESEARCH ON GREEN DESIGN AND ASSEMBLY OF ENVIRONMENTAL RESPONSIVE CAR

Name of the Funding Agency: LUCKNOW PUBLIC EDUCATIONAL SOCIETY, 'A' BLOCK, RAJAJIPURAM, LUCKNOW.

Cost of the Project: Approximately Rs. 5.0 Lacs

We wish you all the best, and may this bring a good name to the Organization.


(Dr. S. P. Singh)
General Manager

01st APRIL, 2022

(S. P. Singh)
General Manager
Lucknow Public College of Professional Studies
Vinamra Khand, Gomti Nagar, Lucknow



Principal
Lucknow Public College of Professional Studies
Vinamra Khand, Gomtinagar, Lucknow

☎: 0522-2661195

LUCKNOW PUBLIC EDUCATIONAL SOCIETY

A-Block, Rajajipuram, Lucknow (U.P.), India - 226017

Ref. No. : LPES/PCPS/15MO/2022/04/03

Date : 01/04/2022

OFFICE MEMORANDUM

Sub: R/P entitled **"RESEARCH ON GREEN DESIGN AND ASSEMBLY OF ENVIRONMENTAL RESPONSIVE CAR"** under **Dr. Laxmi Shankar Awasthi**, Department of Computer Science, Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow bearing sanction **No. 2022/MRP/06/LPES** with LPES 'A' Block, Rajajipuram, Lucknow.


Dear Dr. Laxmi Shankar Awasthi, I am pleased to convey the administrative approval of the Lucknow Public Educational Society, 'A' Block, Rajajipuram, Lucknow, the amount sanctioned for the year **2022-23** will be **Rs. 2,00,000/-** (Rupees Two Lakh Only) towards Project Expenditures.

Copy forwarded to:

1. Principal, Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow.
2. Investigator-in-Charge; **Dr. Laxmi Shankar Awasthi**, Department of Computer Science, Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow.

Note:

1. All the documents as applicable have to be sent in time to avoid delays and unnecessary correspondence.
2. **Please quote the Sanction Number (No. 2022/MRP/06/LPES) in all your correspondence with LPES 'A' Block, Rajajipuram, Lucknow.**


(Dr. S. P. Singh)
General Manager

(S. P. Singh)
General Manager
Lucknow Public College of Professional Studies
Vinamra Khand, Gomti Nagar, Lucknow

01st APRIL, 2022



Principal
Lucknow Public College of Professional Studies
Vinamra Khand, Gomtinagar, Lucknow



LPCPS

LUCKNOW PUBLIC COLLEGE OF
PROFESSIONAL STUDIES

(Affiliated to University of Lucknow, Lucknow)

MAJOR RESEARCH PROJECT

AI-BASED FOOD QUALITY TESTING DEVICE

- Project Name** : **AI-BASED FOOD QUALITY TESTING DEVICE**
- Project No.** : 2023/MRP/07/LPES
- Project Tenure** : April 01, 2023 – March 31, 2026
- Project Cost** : ~ Rs. 5.0 Lacs
- Project Scheme** : R & D Grant-in-Aid Scheme
- Funding Agency** : Lucknow Public Educational Society, 'A' Block,
Rajajipuram, Lucknow
(U.P.), India-226017.
- Project Fellow's Name** : Mr. Hari Om Awasthi

Principal

Lucknow Public College of Professional Studies
Vnamra Khand, Gomtinagar, Lucknow

PROJECT NUMBER 2023/MRP/07/LPES

[APRIL 01, 2023- MARCH 31, 2026]

R/P entitled "AI-BASED FOOD QUALITY TESTING DEVICE" under Prof. (Dr.) Laxmi Shankar Awasthi, Department of Computer Science, Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow bearing sanction No. 2023/MRP/07/LPES with LPES 'A' Block, Rajajipuram, Lucknow.

Financial Year: 2023-2024

[APRIL 01, 2023- MARCH 31, 2024]

S. No.	DESCRIPTION	AMOUNT (in Rs.)
1	Stipend of the Project Fellow (MONTH-APRIL, 2023)	16800/-
2	Stipend of the Project Fellow (MONTH-MAY, 2023)	16800/-
3	Stipend of the Project Fellow (MONTH-JUNE, 2023)	16800/-
4	Stipend of the Project Fellow (MONTH-JULY, 2023)	16800/-
5	Stipend of the Project Fellow (MONTH-AUGUST, 2023)	16800/-
6	Stipend of the Project Fellow (MONTH-SEPTEMBER, 2023)	16800/-
7	Stipend of the Project Fellow (MONTH-OCTOBER, 2023)	16800/-
8	Stipend of the Project Fellow (MONTH-NOVEMBER, 2023)	16800/-
9	Stipend of the Project Fellow (MONTH-DECEMBER, 2023)	16800/-
10	Stipend of the Project Fellow (MONTH-JANUARY, 2024)	16800/-
11	Stipend of the Project Fellow (MONTH-FEBRUARY, 2024)	16800/-
12	Stipend of the Project Fellow (MONTH-MARCH, 2024)	16800/-
TOTAL EXPENDITURES FOR THE FINANCIAL YEAR 2023-2024 i.e. APRIL 01, 2023- MARCH 31, 2024 TOWARDS THE MAJOR RESEARCH PROJECT BEARING SANCTION NO. 2023/MRP/07/LPES WITH LPES 'A' BLOCK, RAJAJIPURAM, LUCKNOW.		Rs. 2,01,600/- (Rs. Two Lac One Thousand Six Hundred Only)



(Mr. Kamlesh Singh)
Account Office



(Dr. A. S. Pandey)
Co-PI



(Dr. A. K. Rai)
Co-PI



(Dr. K. S. Awasthi)
Co-PI



(Prof. L. S. Awasthi)
Principal-Investigator



(Prof. Anil Singh)
Principal




(Dr. S. P. Singh)
General Manager
General Manager

Principal
Lucknow Public College of Professional Studies
Vinamra Khand, Gomtinagar, Lucknow

Lucknow Public College of Professional Studies
Vinamra Khand, Gomti Nagar, Lucknow

For R. P. Verma & Co.
Chartered Accountants



(R. P. Verma)
Proprietor



Principal
Lucknow Public College of Professional Studies
Vinamra Khand, Gomtinagar, Lucknow

L.P.C. of P. Studies
 Vinamra Khand, Gomti Nagar
 Lucknow
R & D Grant-in-Aid Scheme
 Ledger Account

1-Apr-2023 to 31-Mar-2024

Date	Particulars	Vch Type	Debit	Page 1 Credit
1-5-2023	To Cash <i>Cash paid to Mr. Shri Om Maurya for Fellow Ship for the month of April' 2023.</i>	Payment	8,000.00	
	To Cash <i>Cash paid to Mr. Sunil Kumar Singh for Fellow Ship for the month of April' 2023.</i>	Payment	8,000.00	
31-5-2023	To Cash <i>Cash paid to Mr. Shri Om Maurya for Fellow Ship for the month of May' 2023.</i>	Payment	8,000.00	
	To Cash <i>Cash paid to Mr. Sunil Kumar Singh for Fellow Ship for the month of May' 2023.</i>	Payment	8,000.00	
	To Cash <i>Cash paid for Accelero Meter & Binocular as per C.M.</i>	Payment	9,670.00	
15-6-2023	To Cash <i>Cash paid for Travelling Exps. for Lucknow to Prayagraj & Back as per detail attached.</i>	Payment	9,800.00	
30-6-2023	To Cash <i>Cash paid to Mr. Shri Om Maurya for Fellow Ship for the month of June' 2023.</i>	Payment	8,000.00	
	To Cash <i>Cash paid to Mr. Sunil Kumar Singh for Fellow Ship for the month of June' 2023.</i>	Payment	8,000.00	
5-7-2023	To Cash <i>Cash paid for Design and Printing as per C. M.</i>	Payment	4,520.00	
18-7-2023	To Cash <i>Cash paid for Vernier Caliper as per C.M.</i>	Payment	8,982.00	
31-7-2023	To Cash <i>Cash paid to Mr. Shri Om Maurya for Fellow Ship for the month of July' 2023.</i>	Payment	8,000.00	
	To Cash <i>Cash paid to Mr. Sunil Kumar Singh for Fellow Ship for the month of July' 2023.</i>	Payment	8,000.00	
	To Cash <i>Cash paid for Dynamo as per C.M.</i>	Payment	9,600.00	
21-8-2023	To Cash <i>Cash paid for Travelling Exps. for Lucknow to Prayagraj & Back as per detail attached.</i>	Payment	7,340.00	
31-8-2023	To Cash <i>Cash paid to Mr. Shri Om Maurya for Fellow Ship for the month of Aug.' 2023.</i>	Payment	8,000.00	
	To Cash <i>Cash paid to Mr. Sunil Kumar Singh for Fellow Ship for the month of Aug.' 2023.</i>	Payment	8,000.00	
	Carried Over		1,29,912.00	

continued ...



Principal
 Lucknow Public College of Professional Studies
 Vinamra Khand, Gomtinagar, Lucknow

L.P.C. of P. Studies

R & D Grant-in-Aid Scheme Ledger Account : 1-Apr-2023 to 31-Mar-2024

Page 2

Date	Particulars	Vch Type	Debit	Credit
	Brought Forward		1,29,912.00	
15-9-2023	To Cash Cash paid for Sanitization Chemicals as per C.M.	Payment	9,344.00	
20-9-2023	To Cash Cash paid for A3 Paper Design and Printing as per C.M.	Payment	750.00	
30-9-2023	To Cash Cash paid to Mr. Shri Om Maurya for Fellow Ship for the month of Sept.' 2023.	Payment	8,000.00	
	To Cash Cash paid to Mr. Sunil Kumar Singh for Fellow Ship for the month of Sept.' 2023.	Payment	8,000.00	
31-10-2023	To Cash Cash paid to Mr. Shri Om Maurya for Fellow Ship for the month of Oct.' 2023.	Payment	8,000.00	
	To Cash Cash paid to Mr. Sunil Kumar Singh for Fellow Ship for the month of Oct.' 2023.	Payment	8,000.00	
23-11-2023	To Axis Bank S.B. A/c No.917010043737284 Being online payment to Mr. Hari Om Awasthi for Stipend of The Project Fellow for the month of April to June' 2023, accounted for.	Journal	50,400.00	
24-11-2023	To Cash Cash paid for Travelling Exps. for Lucknow to Prayagraj & Back as per detail attached.	Payment	9,970.00	
25-11-2023	To Cash Cash paid for Sanitization Chemicals as per C.M.	Payment	9,152.00	
27-11-2023	To Axis Bank S.B. A/c No.917010043737284 Being online payment to Mr. Hari Om Awasthi for Stipend of The Project Fellow for the month of July to Nov.' 2023, accounted for.	Journal	84,000.00	
30-11-2023	To Cash Cash paid to Mr. Shri Om Maurya for Fellow Ship for the month of Nov.' 2023.	Payment	8,000.00	
	To Cash Cash paid to Mr. Sunil Kumar Singh for Fellow Ship for the month of Nov.' 2023.	Payment	8,000.00	
11-12-2023	To Axis Bank S.B. A/c No.917010043737284 Being online payment to Mr. Hari Om Awasthi for Stipend of The Project Fellow for the month of Dec.' 2023, accounted for.	Journal	16,800.00	
1-1-2024	To Cash Cash paid to Mr. Shri Om Maurya for Fellow Ship for the month of Dec.' 2023.	Payment	8,000.00	
	To Cash Cash paid to Mr. Sunil Kumar Singh for Fellow Ship for the month of Dec.' 2023.	Payment	8,000.00	
23-1-2024	To Axis Bank S.B. A/c No.917010043737284 Being online payment to Mr. Hari Om Awasthi for Stipend of The Project Fellow for the month of Jan.' 2024, accounted for.	Journal	16,800.00	
	Carried Over		3,91,128.00	

continued ...



Principal
Lucknow Public College of Professional Studies
Vnamra Khand, Gomtinagar, Lucknow

L.P.C. of P. Studies

R & D Grant-in-Aid Scheme Ledger Account : 1-Apr-2023 to 31-Mar-2024

Page 3

Date	Particulars	Vch Type	Debit	Credit
	Brought Forward		3,91,128.00	
31-1-2024	To Cash <i>Cash paid to Mr. Shri Om Maurya for Fellow Ship for the month of Jan.' 2024.</i>	Payment	8,000.00	
	To Cash <i>Cash paid to Mr. Sunil Kumar Singh for Fellow Ship for the month of Jan.' 2024.</i>	Payment	8,000.00	
28-2-2024	To Cash <i>Cash paid to Mr. Shri Om Maurya for Fellow Ship for the month of Feb.' 2024.</i>	Payment	8,000.00	
	To Cash <i>Cash paid to Mr. Sunil Kumar Singh for Fellow Ship for the month of Feb.' 2024.</i>	Payment	8,000.00	
27-3-2024	To Axis Bank S.B. A/c No.917010043737284 <i>Being online payment to Mr. Hari Om Awasthi for Stipend of The Project Fellow for the month of Feb.' 2024, accounted for.</i>	Journal	16,800.00	
29-3-2024	To Axis Bank S.B. A/c No.917010043737284 <i>Being online payment to Mr. Hari Om Awasthi for Stipend of The Project Fellow for the month of March' 2024, accounted for.</i>	Journal	16,800.00	
31-3-2024	To Cash <i>Cash paid to Mr. Shri Om Maurya for Fellow Ship for the month of March' 2024.</i>	Payment	8,000.00	
	To Cash <i>Cash paid to Mr. Sunil Kumar Singh for Fellow Ship for the month of March' 2024.</i>	Payment	8,000.00	
			4,72,728.00	
By	Closing Balance			4,72,728.00
			4,72,728.00	4,72,728.00

**Principal**Lucknow Public College of Professional Studies
Vinamra Khand, Gomtinagar, Lucknow