



## **CRITERIA 6**

### **6.3.1**

**6.3.1 The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression (4 Marks)**

#### **IN THIS FILE –**

- Samples of Financial support given to faculty and staff against various

Financial Support  
2023-2024

**Sushant  
University**

**Date: 23/11/2023**

**Subject** – Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Anand Mohan Bajpayee

The Office of the Vice chancellor has accorded approval for Rs. 5,000 (as financial support) for FDP, An Academic Writings And Research Publication Organised By Division Of Research And Development With Gecta University.

**Details of approval are as below:**

S.No	Nature	Amount	Details of Proof submitted (to be used by HR at the time of submission of proof)
1	Faculty Development Program	Rs. 5,000	Certificate of Participation
2			
3			

**Stamp and Sign of Accounts Dept.**

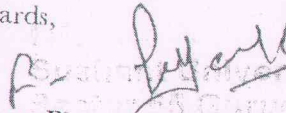
The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,

  
Human Resource Head, Sushant University





# Certificate

OF PARTICIPATION

Anand Mohan Bajpaye, Sushant University

has successfully attended the One Week International Faculty Development Program on  
"Academic Writings and Research Publications" Organised by Division of Research and Development

Geeta University, Panipat Haryana from 19 Oct to 26 Oct, 2023.

Dr. Jaskaran Singh  
Dean Research

Prof. (Dr.) Gulshan Chauhan  
Pro-Vice Chancellor



Prof. (Dr.) Vikas Singh  
Vice Chancellor


**SUSHANT UNIVERSITY (2023-24)**  
Sector -55, Golf Course Road  
Gurgaon


**Payment Voucher**

No. : 3792

Dated : 23/2/2024

Particulars	Amount
<b>Account :</b> Anand Mohan Bajpayee-SU0918	5,000.00
<b>Through :</b> Cash in Hand	
<b>On Account of :</b> Participation in FDP, An Academic Writings And Research Publication Organised By Division Of Research And Development With Geeta University.	
<b>Amount (in Words) :</b> Indian Rupees Five Thousand Only	
	₹ 5,000.00

  
Receiver's Signature

  
Prepared by

  
Checked by

  
Authorised Signatory

Verified by





**Date: 25/3/2024**

**Subject –** Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Ashish Sharma

The Office of the Vice chancellor has accorded approval for Rs. 5,000 (as financial support) for The Study Is To Isolate Identifier Different Types Of Microbial Flora Or M RSA And Their Antibiotic Susceptibility Test From Mobile Phones Of Healthcare Workers. G D Goenka University.

**Details of approval are as below:**

S.No	Nature	Amount	Details of Proof submitted (to be used by HR at the time of submission of proof)
1	FDP	Rs. 5,000	Participation Certificate
2			
3			

**Stamp and Sign of Accounts Dept.**

The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,

Human Resource Head, Sushant University





## CERTIFICATE OF PARTICIPATION


This is to certify that Prof./Dr./Mr./Ms. Ashish Sharma

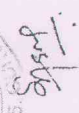
From Sushant University, Gurugram has completed Five Days Faculty Development Program

On "The Study Is To Isolate Identify Different Types Of Microbial Flora Or  
MRSA And Their Antibiotic Susceptibility Test From Mobile Phones Of  
Healthcare Workers"

organized by School of Medical & Allied Sciences (SoMAS), at GD Goenka University, GD Goenka Education City,  
Sohna Road, Gurugram, held between 14<sup>th</sup> to 18<sup>th</sup> March 2024.

  
Dr. Anand Kumar Singh  
Associate Professor and Head, Department of Physiotherapy  
School of Medical and Allied Sciences

  
Dr. Anilha Arvind  
Associate Professor and Head, Department of Optometry  
School of Medical and Allied Sciences

  
Prof. (Dr.) Saahil Arora  
Dean, School of Medical & Allied Sciences



**SUSHANT UNIVERSITY (2023-24)**Sector -55, Golf Course Road  
Gurgaon**Payment Voucher**

No. : 4118

Dated : 26/3/2024

Particulars	Amount
<b>Account :</b> Ashish Sharma-SU0837	5,000.00
<b>Through :</b> Cash in Hand	
<b>On Account of :</b> Participation in The Study Is To Isolate Identifier Different Types Of Microbial Flora Or M RSA And Their Antibiotic Susceptibility Test From Mobile Phones Of Healthcare Workers. G D Goenka University.	
<b>Amount (in Words) :</b> Indian Rupees Five Thousand Only	
	₹ 5,000.00

  
Receiver's Signature  
Authorised Signatory  
Prepared by  
Checked by  
Verified by

**Date: 18/9/2023**

**Subject –** Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Anushka Choudhary

The Office of the Vice chancellor has accorded approval for Rs. 6,200 (as financial support) for 6th Law And Development Research Network Conference On Locating Justice, Organised By National Law University.New Delhi

**Details of approval are as below:**

S.No	Nature	Amount	Details of Proof submitted (to be used by HR at the time of submission of proof)
1	Conference	Rs. 6,200	Certificate of Presentation
2			
3			

**Stamp and Sign of Accounts Dept.**

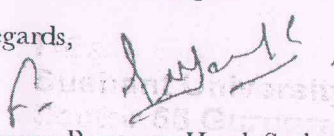
The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,

  
Human Resource Head, Sushant University



# CERTIFICATE OF

## PRESENTATION

This certificate is hereby presented to

DR. ANUSHKA CHOUDHARY

SUSHANT UNIVERSITY

for presenting a paper on "THE ROLE OF JUDICIAL

ACTIVISM IN SHAPING CONSTITUTIONAL LAW"

at the 6th Law and Development Research Network Conference  
on Locating Justice held at National Law University, Delhi from

19th-21st August 2023.



*Handwritten signature in blue ink.*

*Handwritten signature of Prof. Dr. Harpreet Kaur.*

Prof. Dr. Harpreet Kaur  
Registrar,  
NLU DELHI

*Handwritten signature of Prof. Dr. Koen De Feyter.*

Prof. Dr. Koen De Feyter  
LDRN

*Handwritten signature of Prof. Dr. GS Bajpai.*

Prof. Dr. GS Bajpai  
Vice Chancellor,  
NLU DELHI

**SUSHANT UNIVERSITY (2023-24)**  
Sector -55, Golf Course Road  
Gurgaon

**Payment Voucher**

No. : 1885

Dated : 29/9/2023

Particulars	Amount
<b>Account :</b> Anushka Choudhary-SU0735	6,200.00
<b>Through :</b> Cash in Hand	
<b>On Account of :</b> Participation in 6th Law And Development Research Network Conference On Locating Justice, Organised By National Law University, New Delhi	
<b>Amount (in Words) :</b> Indian Rupees Six Thousand Two Hundred Only	
	₹ 6,200.00

*Anushka*  
Receiver's Signature

*[Signature]*  
Authorised Signatory

*4*  
Prepared by

*[Signature]*  
Checked by

Verified by

*[Signature]*



**Date: 25/3/2024****Subject** – Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Anjali Sudha

The Office of the Vice chancellor has accorded approval for Rs. 5,000 (as financial support) for The Study Is To Isolate Identifier Different Types Of Microbial Flora Or M RSA And Their Antibiotic Susceptibility Test From Mobile Phones Of Healthcare Workers. G D Goenka University.

**Details of approval are as below:**

S.No	Nature	Amount	Details of Proof submitted (to be used by HR at the time of submission of proof)
1	FDP	Rs. 5,000	Certificate of Participation
2			
3			

**Stamp and Sign of Accounts Dept.**

The same will be disbursed post submission of proofs and necessary documents to HR.

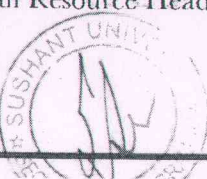
You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,

Human Resource Head, Sushant University




# CERTIFICATE OF PARTICIPATION


This is to certify that Prof./Dr./Mr./Ms. Anjali Sudha

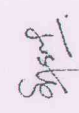
From Sushant University, Gurugram has completed Five Days Faculty Development Program

On "The Study Is To Isolate Identify Different Types Of Microbial Flora Or  
MRSA And Their Antibiotic Susceptibility Test From Mobile Phones Of  
Healthcare Workers"

organized by School of Medical & Allied Sciences (SoMAS), at GD Goenka University, GD Goenka Education City,  
Sohna Road, Gurugram, held between 14<sup>th</sup> to 18<sup>th</sup> March 2024.

  
Dr. Anand Kumar Singh  
Associate Professor and Head, Department of Physiotherapy  
School of Medical and Allied Sciences

  
Dr. Anitha Arvind  
Associate Professor and Head, Department of Optometry  
School of Medical and Allied Sciences



  
Prof. (Dr.) Saahil Arora  
Dean, School of Medical & Allied Sciences

**SUSHANT UNIVERSITY (2023-24)**Sector -55, Golf Course Road  
Gurgaon**Payment Voucher**

No. : 4117

Dated : 26/3/2024

Particulars	Amount
<b>Account :</b> Anjali Sudha-SU0932	5,000.00
<b>Through :</b> Cash in Hand	
<b>On Account of :</b> Participation in The Study Is To Isolate Identifier Different Types Of Microbial Flora Or M RSA And Their Antibiotic Susceptibility Test From Mobile Phones Of Healthcare Workers. G D Goenka University.	
<b>Amount (in Words) :</b> Indian Rupees Five Thousand Only	
	₹ 5,000.00

  
Receiver's Signature  
Prepared by  
Checked by  
Authorised Signatory

Verified by

A blue ink signature.

**Date: 11/8/2023**

**Subject** – Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Aashiyan

The Office of the Vice chancellor has accorded approval for Rs. 5,000 (as financial support) for Faculty Development Programme On Research Methods, Creativity, Innovation In Academia And Hospitality Industry. Is Future Effect In Employability Organised By Amity School Of Hospitality.

**Details of approval are as below:**

S.No	Nature	Amount	Details of Proof submitted (to be used by HR at the time of submission of proof)
1	FDP	Rs. 5,000	Certificate of Participation
2			
3			

**Stamp and Sign of Accounts Dept.**


The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,

  
Human Resource Head, Sushant University





# AMITY UNIVERSITY KOLKATA

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr. / Ms. / Mrs. / Dr. / Prof. Aashiyan  
participated in Faculty Development Programme on ' Research Method, Creativity, Innovation in Academia &  
Hospitality Industry ~ Its Future Effect  
in Employability ' organized by AMITY SCHOOL OF HOSPITALITY  
from JULY 10, 2023 to JULY 14, 2023

Signature of HOI



Prof. (Dr.) Sanjay Kumar  
Vice Chancellor  
Amity University, Kolkata

**SUSHANT UNIVERSITY (2023-24)**  
Sector -55, Golf Course Road  
Gurgaon

**Payment Voucher**

No. : 1825


Dated : 5/9/2023

Particulars	Amount
<b>Account :</b> Aashiyar-SU0795	5,000.00
<b>Through :</b> Cash in Hand	
<b>On Account of :</b> Participation in Faculty Development Programme On Research Methods, Creativity, Innovation in Academia And Hospitality Industry. Is Future Effect In Employability Organised By Amity School Of Hospitality.	
<b>Amount (in Words) :</b> Indian Rupees Five Thousand Only	
	₹ 5,000.00

  
Receiver's Signature

  
Authorised Signatory

  
Prepared by

  
Checked by

Verified by



**Date: 9/12/2023****Subject** – Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Himanshu Sanghani

The Office of the Vice chancellor has accorded approval for Rs. 5,000 (as financial support) for 3rd PRISM conference Organized by Birla Institute of Management & Technology

**Details of approval are as below:**

S.No	Nature	Amount	Details of Proof submitted (to be used by HR at the time of submission of proof)
1	conference	Rs. 5,000	Certificate of Presentation
2			
3			

**Stamp and Sign of Accounts Dept.**

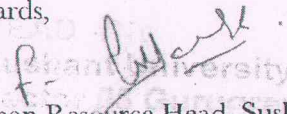
The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,

  
Human Resource Head, Sushant University



# *Certificate*

## HIMANSHU SANGHANI

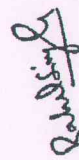
for Research Paper Presentation

Success of Sustainable Architecture Projects : Role of Project Management

at the 3<sup>rd</sup> Pritam Singh Memorial (PRISM) Conference 2023

hosted by Birla Institute of Management Technology,  
Greater Noida, India.

November 17-18-19, 2023



Dr. Rahul Singh  
PRISM Chair, 2023





Dr. H. Chaturvedi  
Director, BIMTECH

**SUSHANT UNIVERSITY (2023-24)**

Sector -55, Golf Course Road  
Gurgaon

**Payment Voucher**

No. : 4126

Dated : 19/1/2024

Particulars	Amount
Account : Himanshu Sanghani-AU0011	5,000.00
Through : Cash in Hand	
On Account of : Participation in 3rd PRISM conference Organized by Birla Institute of Management & Technology	
Amount (in Words) : Indian Rupees Five Thousand Only	
	₹ 5,000.00



Receiver's Signature



Prepared by



Checked by



Authorised Signatory

Verified by



**Date: 31/10/2023**
**Subject** – Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Harsha Yadav

The Office of the Vice chancellor has accorded approval for Rs. 5,000 (as financial support) for Associated Professional &amp; Environmental Experts

**Details of approval are as below:**

S.No	Nature	Amount	Details of Proof submitted (to be used by HR at the time of submission of proof)
1	Professional Membership	Rs. 5,000	Membership Certificate
2			
3			

**Stamp and Sign of Accounts Dept.**

The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research &amp; Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,

Human Resource Head, Sushant University





Associated Professionals and  
Environmental Experts

Year 2023

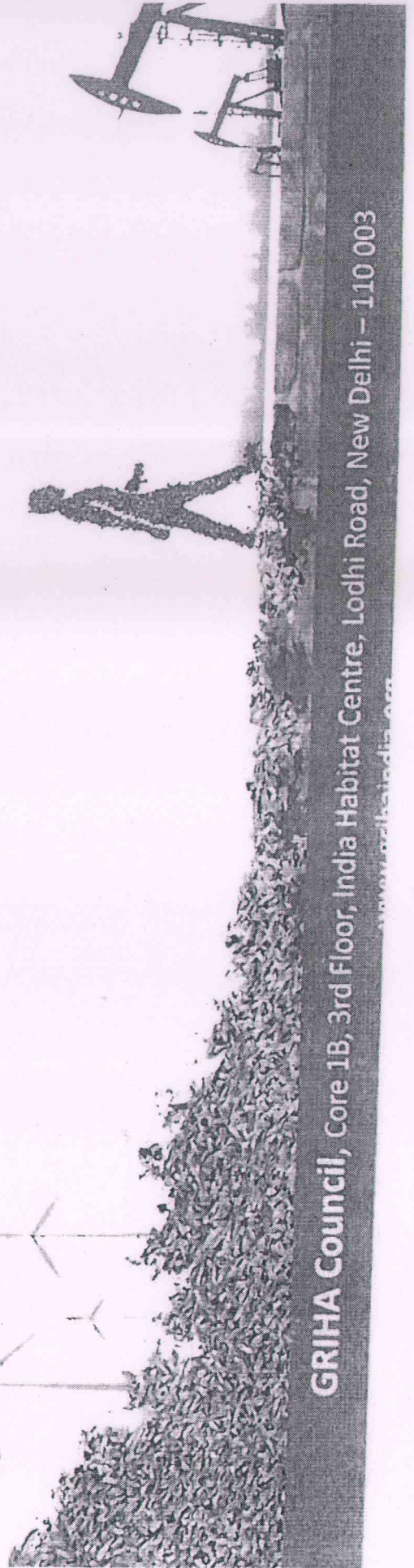
## Membership Certificate



Name: Harsha Yadav

Member ID: APEX\_2604202345439

Valid Till : April, 2024



GRIHA Council, Core 1B, 3rd Floor, India Habitat Centre, Lodhi Road, New Delhi – 110 003

30

**SUSHANT UNIVERSITY (2023-24)**  
Sector -55, Golf Course Road  
Gurgaon

**Payment Voucher**


No. : 3267

Dated : 10/1/2024

Particulars	Amount
<b>Account :</b> Harsha Yadav-SU0883	5,000.00
<b>Through :</b> Cash in Hand	
<b>On Account of :</b> Participation in Associated Professional & Environmental Experts	
<b>Amount (in Words) :</b> Indian Rupees Five Thousand Only	
	₹ 5,000.00

Receiver's Signature  


Authorised Signatory  


Prepared by  


Checked by  


Verified by



**Date: 31/10/2023****Subject** – Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Geetu Singal

The Office of the Vice chancellor has accorded approval for Rs. 6,000 (as financial support) for All Indian Management Association

**Details of approval are as below:**

S.No	Nature	Amount	Details of Proof submitted (to be used by HR at the time of submission of proof)
1	Professional Membership	Rs. 6,000	Membership Certificate
2			
3			

**Stamp and Sign of Accounts Dept.**

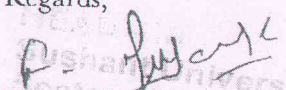
The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,

  
Human Resource Head, Sushant University





# ALL INDIA MANAGEMENT ASSOCIATION CERTIFICATE OF MEMBERSHIP

*This is to certify that*

*Geetu Singal*

*is admitted as a*

*Professional Individual Member*

*of*

*All India Management Association*

*in recognition of commitment to professional management  
and the objectives of the Association*

*Given under the common seal of All India Management Association*



2023



Director General

AIMA, as the apex body of the Management Profession in the country, has been in the forefront fostering and enhancing excellence in management, entrepreneurship and leadership. With its contribution towards the development of professional management over the past six decades, AIMA has acquired a unique position not only in India, but in all of Asia.

**SUSHANT UNIVERSITY (2023-24)**Sector -55, Golf Course Road  
Gurgaon**Payment Voucher**

No. : 3266

Dated : 10/1/2024

Particulars	Amount
<b>Account :</b> Geetu Singal-SU0880	6,000.00
<b>Through :</b> Cash in Hand	
<b>On Account of :</b> Participation in All Indian Management Association	
<b>Amount (in Words) :</b> Indian Rupees Six Thousand Only	
	₹ 6,000.00

Receiver's Signature

Prepared by

Checked by

Authorised Signatory

Verified by



**Date: 26/12/2023****Subject** – Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Feroz Ahmed

The Office of the Vice chancellor has accorded approval for Rs. 5,000 (as financial support) for Book Chapter on Machine Learning Techniques for detecting and mitigating DDOS attacks in IOT

**Details of approval are as below:**

S.No	Nature	Amount	Details of Proof submitted (to be used by HR at the time of submission of proof)
1	Book Chapter Publication	Rs. 5,000	Front Page of Chapter
2			
3			

**Stamp and Sign of Accounts Dept.**

The same will be disbursed post submission of proofs and necessary documents to HR.

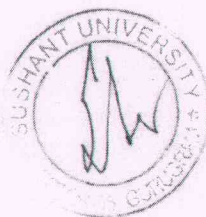
You are requested to go through the Research &amp; Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,

Human Resource Head, Sushant University





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Conferences &gt; 2023 International Conference...

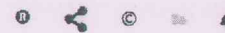
# Machine Learning Techniques for Detecting and Mitigating DDoS Attacks in IoT

Publisher: IEEE

Cite This

PDF

Meenakshi Gupta ; Rinky Ahuja ; Kriti Sharma ; Feroz Ahmed ; Anand Sharma All Authors

92  
Full  
Text Views

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### Abstract

#### Document Sections

- I. Introduction
- II. Ease of Use
- III. IoT and Ddos
- IV. Mitigating Ddos Attacks in IoT
- V. Conclusion & Future Scope

Authors

Figures

References

Keywords

Metrics

More Like This



PDF

#### Abstract:

In today's developing world, all devices are becoming smarter and communicate with other devices. Recent innovations in technology and increased use of IoT systems has led to increase in the Distributed Denial of Service (DDoS) attacks causing harm to information being processed. Considering IoT networks, the dynamics of intruder activity require even better IDS models that can detect multiple attacks with higher detection rates and lower computing resource requirements. Fake requests (chat-bots) occupy the systems under DDoS attacks and actual users are deprived of the system services. In this article, we discuss different categories of D-DoS attacks with their impact on IoT

#### Metadata

##### Abstract:

In today's developing world, all devices are becoming smarter and communicate with other devices. Recent innovations in technology and increased use of IoT systems has led to increase in the Distributed Denial of Service (DDoS) attacks causing harm to information being processed. Considering IoT networks, the dynamics of intruder activity require even better IDS models that can detect multiple attacks with higher detection rates and lower computing resource requirements. Fake requests (chat-bots) occupy the systems under DDoS attacks and actual users are deprived of the system services. In this article, we discuss different categories of D-DoS attacks with their impact on IoT

Published in: 2023 International Conference on Sustainable Emerging Innovations in Engineering and Technology (ICSEIET)

Date of Conference: 14-15 September 2023

DOI: 10.1109/ICSEIET58677.2023.10303331

Date Added to IEEE Xplore: 07 November 2023

Publisher: IEEE

ISBN Information:

Conference Location: Ghaziabad, India

**SUSHANT UNIVERSITY (2023-24)**

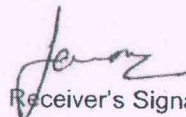
Sector -55, Golf Course Road  
Gurgaon

**Payment Voucher**

No. : 3810

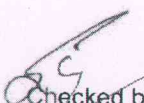
Dated : 27/2/2024

Particulars	Amount
<b>Account :</b> Feroz Ahmed-SU0946	5,000.00
<b>Through :</b> Cash in Hand	
<b>On Account of :</b> Participation in Book Chapter on Machine Learning Techniques for detecting and mitigating DDOS attacks in IOT	
<b>Amount (in Words) :</b> Indian Rupees Five Thousand Only	
	₹ 5,000.00

  
Receiver's Signature

  
Authorized Signatory

  
Prepared by

  
Checked by

Verified by



**Date: 9/11/2023**

**Subject** – Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Farhana Mariyam

The Office of the Vice chancellor has accorded approval for Rs. 7,000 (as financial support) for Indian Economic Association

**Details of approval are as below:**

S.No	Nature	Amount	Details of Proof submitted (to be used by HR at the time of submission of proof)
1	Professional Membership	Rs. 7,000	Membership Certificate
2			
3			

**Stamp and Sign of Accounts Dept.**

The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,

Human Resource Head, Sushant University





# INDIAN ECONOMIC ASSOCIATION

(Registered under The Societies Registration Act, 1860)

Website: <http://indianeconomicassociation.in>

Registered Address: - 36, Kaveri Enclave, Phase 1, Ramghat Road, Aligarh 202001 | Mob : 9411489030  
Retariat Office: ANANDALAYA, 2/179, Near Varun Hospital, Vishnupuri, Aligarh 202001 | Mob : 9358252197

## MEMBERSHIP CERTIFICATE

This is certified that

**Farhana Mariyam**

of

**Sushant University, Gurugram**

is Life Member of Indian Economic Association,  
will effective from 1-April 2023

We wish him / her success in future endeavors.



*Dr. D. K. Asthana*

**Dr. D. K. Asthana**  
General Secretary  
Indian Economic Association

*Dr. Indu Varshney*

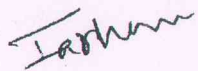
**Dr. Indu Varshney**  
Treasurer  
Indian Economic Association

**SUSHANT UNIVERSITY (2023-24)**Sector -55, Golf Course Road  
Gurgaon**Payment Voucher**

No. : 3351

Dated : 19/1/2024

Particulars	Amount
<b>Account :</b> Farhana Mariyam-SU0920	7,000.00
<b>Through :</b> Cash in Hand	
<b>On Account of :</b> Participation in Indian Economic Association	
<b>Amount (in Words) :</b> Indian Rupees Seven Thousand Only	
	₹ 7,000.00

  
Receiver's Signature  
Authorised Signatory  
Prepared by  
Checked by

Verified by



Financial Support  
2022-2023



Date: 8/12/2022

**Subject** – Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Chandana Paul

The Office of the Vice chancellor has accorded approval for Rs. 7,000 (as financial support) for membership of Indian Economic Association

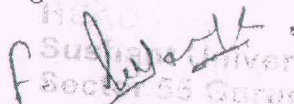
This includes 100% amount of the Participation charges/course Fee and the travel allowance (To & Fro). The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,

  
Sushant University  
Sector 55 Gurugram  
Human Resource Head

Sushant University (Erstwhile Ansal University), Gurugram





# INDIAN ECONOMIC ASSOCIATION

(Registered under The Societies Registration Act, 1860)

Website: <http://indianeconomicassociation.in>

Registered Address: - 36, Kaveri Enclave, Phase 1, Ramghat Road, Aligarh 202001 | Mob : 9411489030  
Secretariat Office: ANANDALAYA, 2/179, Near Varun Hospital, Vishnupuri, Aligarh 202001 | Mob : 9358252197

## MEMBERSHIP CERTIFICATE



This is certified that

**Chandana Paul**

of

**Sushant University, Gurugram**

is Life Member of Indian Economic Association,  
will effective from 1-April 2022

We wish him / her success in future endeavors.

**Dr. D. K. Asthana**  
General Secretary  
Indian Economic Association

**Dr. Indu Varshney**  
Treasurer  
Indian Economic Association

**SUSHANT UNIVERSITY (2022-23)**

Sector -55, Golf Course Road  
Gurgaon

**Payment Voucher**

No. : 3286

Dated : 6/1/2023

Particulars	Amount
Account : Chandana Paul-AU0580	7,000.00
Through : Cash in Hand	
On Account of : Membership of Indian Economic Association	
Amount (in Words) : Indian Rupees Seven Thousand Only	
	₹ 7,000.00

Receiver's Signature

Authorised Signatory

Prepared by

Checked by

Verified by



**Date: 16/12/2022**

**Subject** – Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Antim Dev Mishra

The Office of the Vice chancellor has accorded approval for Rs. 5,000 (as financial support) for State level FDP on Advance C++ programming organised by Siddaganga Institute of Technology.

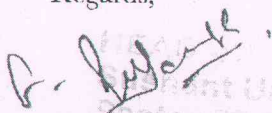
This includes 100% amount of the Participation charges/course Fee and the travel allowance (To & Fro). The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,



Human Resource Head

Sushant University (Erstwhile Ansal University), Gurugram





Sree Siddaganga Education Society (R)

## Siddaganga Institute of Technology

(An Autonomous Institution affiliated to VTU, Belgaum, Approved by AICTE, Accredited by NBA, New Delhi and ISO 9001:2008 QMS Certified)

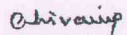
TUMKUR - 572 103, Karnataka

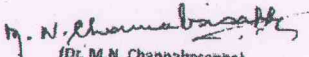
### Certificate of Participation

This is to certify that Antim Dev Mishra from  
Sushant University, Gurgaon has participated in one week  
online Faculty Development Program on "Advance C++ programming"  
from 15th - 20th November 2022.

Date :  
9th December 2021

  
(Prof. G.A. Shashikumar)  
Chairman, Alumni Association

  
(Dr. Shivakumaralah)  
Principal

  
(Dr. M.N. Channabasappa)  
Director



SUSHANT UNIVERSITY (2022-23)

Sector -55, Golf Course Road  
Gurgaon

Payment Voucher

No. : 3658

Dated : 7/2/2023

Particulars	Amount
Account : Antim Dev Mishra-AU0067	5,000.00
Through : Cash in Hand	
On Account of : Participation in State level FDP on Advance C++ programming organised by Siddaganga Institute of Technology.	
Amount (in Words) : Indian Rupees Five Thousand Only	
	₹ 5,000.00

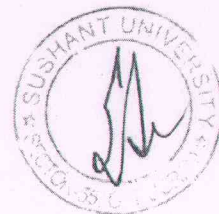
Receiver's Signature

Prepared by

Checked by

Authorised Signatory

Verified by



**Date: 24/3/2023**

**Subject** – Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Aashiyan

The Office of the Vice chancellor has accorded approval for Rs. 5,000 (as financial support) for International conference on sustainable development through tourism, food and hospitality management organised by Chandigarh College of Hotel Management.

This includes 100% amount of the Participation charges/course Fee and the travel allowance (To & Fro). The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,

*F. Singh*

Human Resource Head

Sushant University (Erstwhile Ansal University), Gurugram

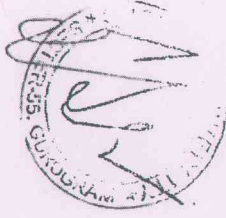




**CHANDIGARH  
GROUP OF COLLEGES**  
Building Careers. Transforming Lives.



# Certificate



This is to certify that Dr./Mr./Ms. ✓ RAASHIYAN, ASSISTANT PROFESSOR  
of LATEL HOTEL & TOURISM BUSINESS SCHOOL, SUSHANT UNIVERSITY has participated and  
presented paper on title REVIEW ON FOOD AND BEVERAGE SERVICE PRACTICES IN RESTAURANTS  
in the International Conference on Sustainable Development through Tourism, Food & Hospitality  
Management (SDTFHM-2023), organized by Chandigarh College of Hotel Management in academic  
collaboration with Indian Tourism and Hospitality Congress held on 23<sup>rd</sup>-24<sup>th</sup> Feb, 2023.

His/Her contribution was highly admirable and exemplary.

*Prof. P.N. Hrisheeksha*

**Prof (Dr.) P.N. Hrisheeksha**  
Campus Director

*Rajeev R Mishra*

**Dr. Rajeev R Mishra**  
Conference Convener

**SUSHANT UNIVERSITY (2022-23)**Sector -55, Golf Course Road  
Gurgaon**Payment Voucher**

No. : 4009

Dated : 27/3/2023

Particulars	Amount
<b>Account :</b> Aashiyar-SU0795	5,000.00
<b>Through :</b> Cash in Hand	
<b>On Account of :</b> Participation in International conference on sustainable development through tourism, food and hospitality management organised by Chandigarh College of Hotel Management.	
<b>Amount (in Words) :</b> Indian Rupees Five Thousand Only	
	₹ 5,000.00

Receiver's Signature

Prepared by

Checked by

Authorised Signatory

Verified by



**Date: 22/7/2022**

**Subject –** Financial Support to members of the faculty for Professional/Academic development

Dear Prof. JS Mukul

The Office of the Vice chancellor has accorded approval for Rs. 5,000 (as financial support) for State level FDP on Data Analytics Using Python Hands on Approach

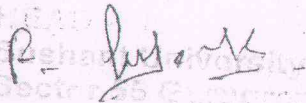
This includes 100% amount of the Participation charges/course Fee and the travel allowance (To & Fro). The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,



Human Resource Head

Sushant University (Erstwhile Ansal University), Gurugram



# ECHELON INSTITUTE OF TECHNOLOGY

(AFFILIATED TO J.C BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA, FARIDABAD, HARYANA)

## FACULTY DEVELOPMENT PROGRAM

Machine Learning Using Python: "Hands-on Approach"

ORGANIZED BY  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

This is to certify that Prof./Dr./Mr./Ms. \_\_\_\_\_

J.S.MUKUL

from SUSHANT UNIVERSITY, GURGAON has participated in six days  
online Faculty Development Program (FDP) on "Data Analytics using Python: "Hands-on  
Approach" held from 20th-25th June, 2022 at Echelon Institute of Technology, Faridabad.



*[Signature]*

Chief Convenor

*[Signature]*

DIRECTOR

**SUSHANT UNIVERSITY (2022-23)**  
Sector -55, Golf Course Road  
Gurgaon

**Payment Voucher**

No. : 1687

Dated : 10/8/2022

Particulars	Amount
<b>Account :</b> JS Mukul-SU0813	5,000.00
<b>Through :</b> Cash in Hand	
<b>On Account of :</b> Participation in State level FDP on Data Analytics Using Python Hands on Approach	
<b>Amount (in Words) :</b> Indian Rupees Five Thousand Only	
	₹ 5,000.00

  
Receiver's Signature

  
Authorised Signatory

  
Prepared by

  
Checked by

Verified by



**Date: 10/3/2023****Subject** – Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Aanchal Dangwal

The Office of the Vice chancellor has accorded approval for Rs. 5,000 (as financial support) for State level FDP on Effective Teaching learning paradigms through pedagogical innovations by Sathyabama Institute of Science and Technology.

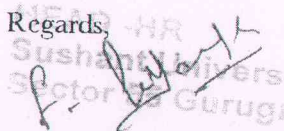
This includes 100% amount of the Participation charges/course Fee and the travel allowance (To & Fro). The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

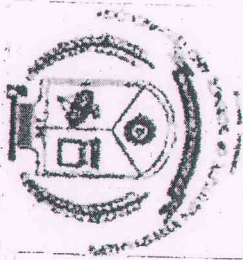
Regards,

  
Sushant University  
Sector 35 Gurugram

Human Resource Head

Sushant University (Erstwhile Ansal University), Gurugram





# CERTIFICATE

OF PARTICIPATION

This Certificate is Proudly Presented to

**Anchal Dangwal**  
of Sushant University, Gurgaon

For participating in one Week Faculty Development Programme on  
“*Effective Teaching Learning Paradigms through Pedagogical Innovations*”  
organized by the Department of Mathematics, Sathyabama Institute of  
Science and Technology, Chennai, from Feb 7 to Feb 12, 2023.

*Priya Eiv*

Dr. Priya Shirley Muller  
Co-ordinator

*Mah*

Dr. S. Maheswari  
Co-ordinator

*S. Angel*

Dr. D. Angel  
Co-ordinator

*Dr. M. Nirmala*

Dr. M. Nirmala  
Convenor

*[Signature]*

**SUSHANT UNIVERSITY (2022-23)**  
Sector -55, Golf Course Road  
Gurgaon

**Payment Voucher**

No. : 3970

Dated : 15/3/2023

Particulars	Amount
<b>Account :</b> Aanchal Dangwal-SU0843	5,000.00
<b>Through :</b> Cash in Hand	
<b>On Account of :</b> Participation in State level FDP on Effective Teaching learning paradigms through pedagogical innovations by Sathyabama Institute of Science and Technology.	
<b>Amount (in Words) :</b> Indian Rupees Five Thousand Only	
	₹ 5,000.00

*Aanchal Dangwal*  
Receiver's Signature

*[Signature]*  
Authorised Signatory

*[Signature]*  
Prepared by

*[Signature]*  
Checked by

Verified by



**Date: 22/2/2023**

**Subject –** Financial Support to members of the faculty for Professional/Academic development

Dear Prof. Manvi Aggarwal

The Office of the Vice chancellor has accorded approval for Rs. 5000 (as financial support) for International Conference on Recent Advances in Nano Technology

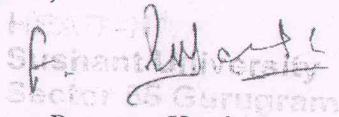
This includes 100% amount of the Participation charges/course Fee and the travel allowance (To & Fro). The same will be disbursed post submission of proofs and necessary documents to HR.

You are requested to go through the Research & Incentive policy document.

Copy to:

- Departmental Head/Dean
- Office of HR
- Office of VC
- Director IQAC

Regards,

  
Sushant University  
Sector 15 Gurugram

Human Resource Head

Sushant University (Erstwhile Ansal University), Gurugram



Financial Support  
2019-2020



Date: 7/2/2020

**Subject – Financial Support to members of the faculty for Professional/Academic development**

Dear Prof. Anand Sharma

With reference to your request received for financial support for participation in

Nature of Event (Please Highlight one)

Workshop
Seminar
Conference
Membership of Professional Bodies
Refresher Courses
Higher Education (Online/Distance mode)
<b>Faculty Development Program</b>
Book Chapter/Research Paper

After examining & Subsequent discussions with the management, the University is happy to Sanction Rs. 6,000 as financial support.

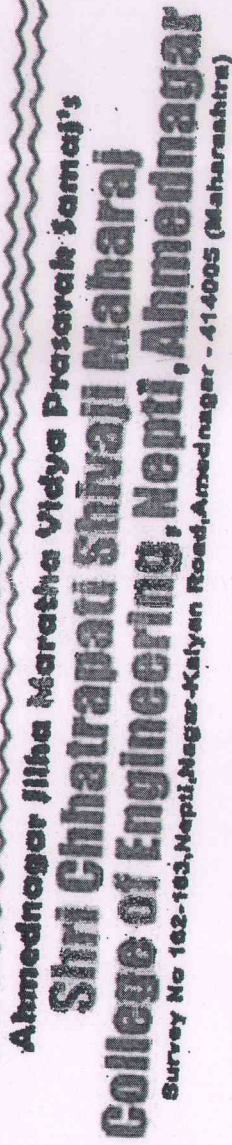
You are hereby directed to submit the statements of expenditure, bills and vouchers of the expenses to the office for the reimbursement of the same

We look forward to your continuous Professional growth and development.

Regards,  
Office of Human Resources  
Ansal University Gurugram  
-55, GURUGRAM

L





# CERTIFICATE OF COMPLETION

Anand Sharma  
of

**Ansal University, Gurgaon**

has actively completed the 5 Days Faculty Development Program on “Industry trends 4.0” organized from 6<sup>th</sup> to 10<sup>th</sup> Jan, 2020 by Department of Computer Engineering, AJMVP’s, Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar, Maharashtra, India.

**Prof. P. S. Avhad**  
**Co-ordinator**

**Prof. A. S. Phalke**  
**Co-ordinator**



**Prof. J. U. Lagad**  
**Head, Computer Engg.**

MP Nagar

**Dr. M. P. Nagarkar**  
**Principal**

**ANSAL UNIVERSITY (2019-20)**  
Sector -55, Golf Course Road  
Gurgaon

**Payment Voucher**


No. : 3974

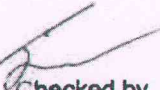
Dated : 4/3/2020

Particulars	Amount
Account : Anand Sharma-AU0302	6,000.00
Through : Cash in Hand	
On Account of : Participation in National level FDP on "Industry Trends 4.0" organized by Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar, Maharashtra.	
Amount (In Words) : Indian Rupees Six thousand only	
	₹ 6,000.00

  
Receiver's Signature

  
Authorised Signatory

  
Prepared by

  
Checked by

Verified by



Date: 7/2/2020

**Subject – Financial Support to members of the faculty for Professional/Academic development**

Dear Prof. Anjali Marwah

With reference to your request received for financial support for participation in

Nature of Event (Please Highlight one)

Workshop
Seminar
Conference
Membership of Professional Bodies
Refresher Courses
Higher Education (Online/Distance mode)
<b>Faculty Development Program</b>
Book Chapter/Research Paper

After examining & Subsequent discussions with the management, the University is happy to Sanction Rs. 6,000 as financial support.

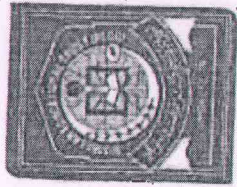
You are hereby directed to submit the statements of expenditure, bills and vouchers of the expenses to the office for the reimbursement of the same

We look forward to your continuous Professional growth and development.

Manish  
 Regards  
 Office of Human Resources  
 Ansal University, Gurugram  
 OR-65, GURGAON

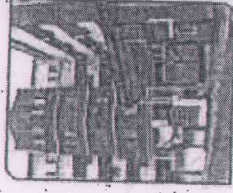
L





# BET SADATHUNNISA DEGREE COLLEGE

(Affiliated to: Bengaluru Central University, Minority Institution, NAAC Accredited, ISO 9001:2015 Certified)



## ONE WEEK FACULTY DEVELOPMENT PROGRAM ON EFFECTIVE TEACHING STRATEGIES

DEPARTMENT OF HUMANITIES

### Certificate of Participation

This is to certify that ANJALI MARWAH Department  
of Design Sushant University, Gurgaon

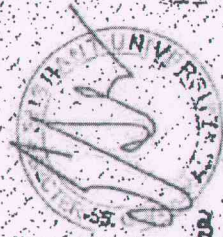
has attended One Week Faculty Development Program on

“EFFECTIVE TEACHING STRATEGIES” from 6th Jan 2020 to 11th Jan 2020

*Aysha Thasneem*

AYSHA THASNEEM & SADIYA BEGUM R.  
CO-ORDINATORS

*Sadiya Begum R.*



*Dr. Niloofar Mirza*

DR. NILOOFAR MIRZA  
VICE PRINCIPAL

*Prof. Sumatya Pathima*

PROF. SUMATYA PATHIMA  
PRINCIPAL

*Mohammed Saifulla*

MOHAMMED SAIFULLA  
HON. SECRETARY

7

**ANSAL UNIVERSITY (2019-20)**  
Sector -55, Golf Course Road  
Gurgaon

**Payment Voucher**

No. : 4120

Dated : 6/3/2020

Particulars	Amount
Account : Anjali Marwah-AU0485	8,000.00
Through : Cash in Hand	
On Account of : Participation in National FDP on Effective Teaching Strategies	
Amount (In Words) : Indian Rupees Six thousand only	
	₹ 6,000.00

  
Receiver's Signature

  
Authorised Signatory

  
Prepared by

  
Checked by

Verified by



**Date: 25/7/2019**

**Subject – Financial Support to members of the faculty for Professional/Academic development**

Dear Prof. Arjun Kamal

With reference to your request received for financial support for participation in

Nature of Event (Please Highlight one)

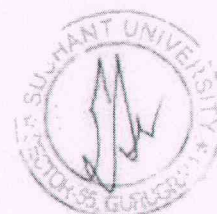
Workshop
Seminar
Conference
Membership of Professional Bodies
Refresher Courses
Higher Education (Online/Distance mode)
<b>Faculty Development Program</b>
Book Chapter/Research Paper

After examining & Subsequent discussions with the management, the University is happy to Sanction Rs. 6,000 as financial support.

You are hereby directed to submit the statements of expenditure, bills and vouchers of the expenses to the office for the reimbursement of the same

We look forward to your continuous Professional growth and development.

Regards,  
Office of Human Resources  
Ansal University, Gurugram





**GROUP OF INSTITUTIONS**

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
# 27, Thorpattur, Chidambaram road, Trichy - 68



## Department of Mechanical Engineering

### Certificate of Appreciation

This is certify that

Dr. / Mr. / Ms. ARJUN KAMAL

of Ansal University, Gurgaon, Haryana

has participated in online webinar on "Teaching Techniques"  
organized by Department of Mechanical Engineering, CARE Group of Institutions,  
Trichy on 23rd to 27th June 2019

**J. Muthubumar**  
Coordinator

**Dr. D.R. Rajkumar**  
Head / Mechanical



**Dr. N. Meenakandan**  
Director

10

**ANSAL UNIVERSITY (2019-20)**  
Sector -55, Golf Course Road  
Gurgaon

**Payment Voucher**

No. : 1762

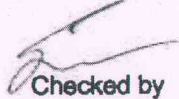
Dated : 5/6/2019

Particulars	Amount
Account : Arjun Kamal-AU0456	6,000.00
Through : Cash in Hand	
On Account of : Participation in National level FDP on Teaching Techniques	
Amount (in Words) : Indian Rupees Six thousand only	
	₹ 6,000.00

  
Receiver's Signature

  
Authorised Signatory

  
Prepared by

  
Checked by

Verified by



**Date: 25/7/2019**

**Subject – Financial Support to members of the faculty for Professional/Academic development**

Dear Prof. Aruna Bhardwaj

With reference to your request received for financial support for participation in

Nature of Event (Please Highlight one)

Workshop
Seminar
Conference
Membership of Professional Bodies
Refresher Courses
Higher Education (Online/Distance mode)
<b>Faculty Development Program</b>
Book Chapter/Research Paper

After examining & Subsequent discussions with the management, the University is happy to Sanction Rs. 6,000 as financial support.

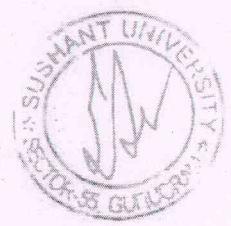
You are hereby directed to submit the statements of expenditure, bills and vouchers of the expenses to the office for the reimbursement of the same

We look forward to your continuous Professional growth and development.

Regards,  
Office of Human Resources  
Ansal University, Gurugram



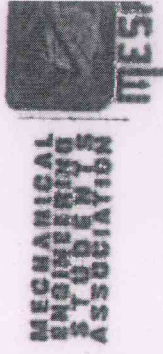
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**GROUP OF INSTITUTIONS**

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
9-27, Thyagarajar, Chidambaram road, Trichy-68



## Department of Mechanical Engineering Certificate of Appreciation

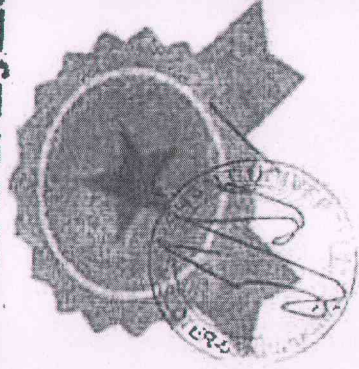
This is certify that

Dr. / Mr. / Ms. Aruna Bhardwaj  
of Ansal University, Gurgaon, Haryana

has participated in online webinar on "Teaching Techniques"  
organized by Department of Mechanical Engineering, CARE Group of Institutions,  
Trichy on 23rd to 27th June 2019

**J. Muthulakshmi**  
Coordinator

**Dr. D.R. Rajkumar**  
HoD/ Mechanical



**Dr. N. Melkandan**  
Director

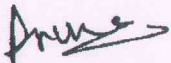
**ANSAL UNIVERSITY (2019-20)**  
Sector -55, Golf Course Road  
Gurgaon

**Payment Voucher**

No. : 1776


Dated : 6/8/2019

Particulars	Amount
Account : Aruna Bhardwaj-AU0179	6,000.00
Through : Cash in Hand	
On Account of : Participation in National level FDP on Teaching Techniques	
Amount (In Words) : Indian Rupees Six thousand only	
	₹ 6,000.00

  
Receiver's Signature

  
Authorised Signatory

  
Prepared by

  
Checked by

Verified by



**Date: 29/5/2019**

**Subject – Financial Support to members of the faculty for Professional/Academic development**

Dear Prof. Atul Kumar Agarwal

With reference to your request received for financial support for participation in

Nature of Event (Please Highlight one)

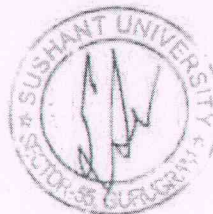
Workshop
Seminar
Conference
Membership of Professional Bodies
Refresher Courses
Higher Education (Online/Distance mode)
Faculty Development Program
Book Chapter/Research Paper

After examining & Subsequent discussions with the management, the University is happy to Sanction Rs. 5,700 as financial support.

You are hereby directed to submit the statements of expenditure, bills and vouchers of the expenses to the office for the reimbursement of the same

We look forward to your continuous Professional growth and development.

Regards,  
 Office of Human Resources  
 Ansal University Gurugram





IILM ACADEMY of  
HIGHER LEARNING

College of Engineering & Technology, Greater Noida

## CERTIFICATE

This is to certify that Dr. Atul Kumar Agarwal (Professor) from  
Sushant School of Business, Ansal University has chaired a session  
(Guarantee)

in 2<sup>nd</sup> National Conference on

Recent Innovations in Computer Science & Information Technology (COMTECH 2019)

Organized by Department of Computer Science & Engineering (NBA Accredited)

2<sup>nd</sup> March, 2019

Anuradha Konidena  
(Convener)

Dr. Hamlata J. Bhat  
(Conference Chair)

Dr. Meenu Singh  
(Director)



ANSAL UNIVERSITY (2019-20)  
Sector -55, Golf Course Road  
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12

Payment Voucher


No. : 1494

Dated : 1/8/2019

Particulars	Amount
Account : Atul Kumar Agarwal-AU0187	5,700.00
Through : Cash in Hand	
On Account of : Participation in Recent Innovations in Computer Science & Information Technology	
Amount (In Words) : Indian Rupees Five thousand seven hundred only	
	₹ 5,700.00

  
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# Constructive Neural Network: A Framework

Jaswinder Kaur, Neha Gupta



**Abstract:** In this paper, two techniques for construction of feedforward neural network are being reviewed: pruning neural network algorithms and constructive neural network algorithms. In pruning method, training starts with a larger than required network and subsequently delete the redundant hidden nodes and redundant weights till there is a satisfactory solution. In the constructive method, training of the network starts with minimum structure and then according to some predefined rule some more layers of neurons are added. A number of major issues are discussed that can be considered while constructing a constructive neural network i.e. how to select network architecture, network growing strategy, weight freezing, optimization technique, activation function and stoppage criteria

**Keywords:** Neural networks; Pruning algorithm; Constructive algorithm; Optimization technique and Activation function.

## I. INTRODUCTION

Neural network research has come a long way and it has established well in the field of modeling linear and nonlinear data. There is lot of demand of adaptive techniques for solving neural network problems. Neural networks are used in many different applications like function approximation, pattern recognition, image processing, speech recognition, classification and other modeling tasks [1]. Multilayer feedforward neural networks are the most suitable models for solving problems of nonlinear mapping [2]. Neural network training consists of parametric learning and structural learning [3]. Neural networks are used in many applications like extraction of knowledge, forecasting (bankruptcy, weather), healthcare (clinical diagnosis, image analysis), communication, robotics, data processing and compression, approximation of function. This network learns adaptively, performs real time operations and is fault tolerant. The multilayer feedforward neural network (FNNs) is widely used in many applications. The popularity of FNNs has been traced to the structure flexibility, capability of good approximation, and availability of large number of algorithms for training. The design of FNN for a given task comprises of many components / parameters, e.g. network architecture, activation function, learning algorithm and the other training parameters. The generalization performance of network and convergence time of network learning in FNNs depend on how its constituents are selected like architecture of network

i.e. number of nodes in hidden layer and topology used for connections between nodes, activation function for each node and training parameters i.e. initial weights, learning rate etc.. The conventional FNN requires the architecture of network to be specified before the training starts [4]. In general, the designer of the network defines the network architecture by trial and error method [5]. While developing the neural network the number of elements needed for processing is not known in advance or found by trial and error method but are found while finding the solution of the problem. The generalization and training time of neural network are affected by the size of the network and the topology chosen for building the network. If the network architecture chosen is not appropriate, then the network can be underfitting the problem or overfitting the problem. The number of trainable parameters should be enough in number and should be able to capture from the training information the mapping function. For a given problem it is difficult to find the best network topology. A small network might not be able to learn the problem properly whereas a large network may overfit the data used for training resulting in poor generalization of the problem performance. From the desired output of the problem we can determine if the problem is a regression problem or classification problem. Regression problems involve approximation of continuous valued target function. It consists of discrete-continuous and continuous-continuous input-output mappings [6].

## II. CONSTRUCTIVE NEURAL NETWORK

Nowadays, adaptive techniques are required for solving problems. In adaptive structure neural network the structure of the network is adapted while training the network according to the problem [7]. The adaptive architecture algorithms are of two types: pruning neural network and constructive neural network. The pruning algorithm starts with network architecture which is larger than required and then the redundant nodes of hidden layer and weights are deleted. This process continues until we find a satisfactory solution [8]. In constructive neural network (CoNN) an opposite approach is followed in which network building starts with minimum architecture elements and then nodes in the hidden layer are added one at a time. Advantages of constructive approach over pruning approach are, in constructive approach it is easy to build the initial network, it always finds a smaller network solution whereas, in pruning approach the starting size of the network is very difficult to decide. As there is no method available using which the network architecture can be decided, there is need for an algorithm which can find appropriate network architecture for the problem.

Revised Manuscript Received on December 30, 2019.

\* Correspondence Author

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No. : 3799

Dated : 7/2/2020

Particulars	Amount
Account : Neha Gupta-AU0328	5,000.00
Through : Cash in Hand	
On Account of : Participation in Research paper in UGC Care list on Extended Bipolar Sigmoid Algorithm for Enhancing Performance of Constructive Neural Network	
Amount (In Words) : Indian Rupees Five thousand only	
	₹ 5,000.00

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**Subject – Financial Support to members of the faculty for Professional/Academic development**

Dear Prof. Neetu Jora

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Manish  
Office of Human Resources  
Ansal University Gurugram





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*This is to certify that*

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*is admitted as a*

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*in recognition of commitment to professional management  
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No. : 3553

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Particulars	Amount
Account : Neetu Jora-AU0168	6,000.00
Through : Cash In Hand	
On Account of : Professional Membership of All Indian Management Association	
Amount (In Words) : Indian Rupees Six thousand only	
	₹ 6,000.00

  
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Date: 7/2/2020

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Dear Prof. Monika Khurana

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of

**Ansal University, Gurgaon**

has actively completed the 5 Days Faculty Development Program on "Industry trends 4.0"  
organized from 6<sup>th</sup> to 10<sup>th</sup> Jan, 2020 by Department of Computer Engineering, AJMVPS's, Shri  
Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar, Maharashtra, India.

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Co-ordinator

*Prof. A. S. Phalke*

Prof. A. S. Phalke  
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No. : 4048


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Particulars	Amount
Account : Monika Khurana-AU0025	6,000.00
Through : Cash in Hand	
On Account of : Participation in National level FDP on "Industry Trends 4.0" organized by Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar, Maharashtra.	
Amount (In Words) : Indian Rupees Six thousand only	
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Dear Prof. Pooja Lalit Kumar

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# JTACON-2020 Certificate

This is to certify that Dr. Mr. Ms.  
POOJA LAHT KUMAR  
from JAMIA MILLIA ISLAMIA  
has participated and presented the research paper  
entitled, IMPROVISING VERNACULAR ECOLOGICAL SUSTENANCE : AN APPROACH TOWARDS  
REVIVING THE SINKING CITIES

in the JTA Multidisciplinary International Conference (JTACON-2020) organized by the Jamia Teachers' Association (JTA), Jamia Millia Islamia, New Delhi, India from February 16-18, 2020.



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**Dr. M. Irfan Qureshi**  
Organizing Secretary

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**Prof. Maqid Jamil**  
Conference Chair

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No. : 4226


Dated : 22/3/2020

Particulars	Amount:-
Account : Pooja Lalit Kumar-AU0465	7,400.00
Through : Cash in Hand	
On Account of : Participation in National Conference on Improving vernacular etiological sustenance: An Approach towards reviving the sinking cities organised by JAmia Millia Islamia.	
Amount (In Words) : Indian Rupees Seven thousand four hundred only	
	₹ 7,400.00

  
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Date: 10/7/2019

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Payment Voucher

No. : 1795

Dated : 20/8/2019

Particulars	Amount
Account : Nidhi Chowdhry-AU0188	6,000.00
Through : Cash in Hand	
On Account of : Participation in Data Analysis Using Statistical Package R	
Amount (In Words) : Indian Rupees Six thousand only	
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