



## Advancements in Computer Science and Information Technology - 2021

ACSIT-2021

# *Certificate of Participation*

This is certified that **Preetpal Kaur Buttar**, Assistant Professor of Sant Longowal Institute of Engineering and Technology, Longowal, Punjab, participated and completed successfully AICTE – QIP sponsored One Week Short Term Course on **Advancements in Computer Science and Information Technology (ACSIT - 2021)** organized by Department of Computer Science and Engineering, Sant Longowal Institute of Engineering and Technology, Longowal, Punjab, India, during 13 – 18 December, 2021.

Coordinator  
ACSIT-2021

Coordinator  
ACSIT-2021

Chairman  
ACSIT-2021

Roll No:NPTEL21CS75S23320483

To RAHUL GAUTAM  
23/ TYPE -4, SLIET CAMPUS  
LONGOWAL  
SANGRUR  
PUNJAB - 148106  
PH. NO :9990919002



Duration of NPTEL course: 12 Weeks

No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP



# NPTEL-AICTE Faculty Development Programme

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

**RAHUL GAUTAM**

for successfully completing the course

**The Joy of Computing using Python**

with a consolidated score of **71 %**

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

(Jul-Oct 2021)

Prof. Dileep N. Malkhede  
Advisor-I (Research, Institute & Faculty Development)  
All India Council for Technical Education

Roll No: NPTEL21CS75S23320483

To validate and check scores: <http://nptel.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



## Advancements in Computer Science and Information Technology - 2021

ACSIT-2021

# Certificate of Participation

This is certified that *Vinod Kumar Verma, Assistant Professor of Sant Longowal Institute of Engineering and Technology, Longowal* participated and completed successfully AICTE – QIP sponsored One Week Short Term Course on **Advancements in Computer Science and Information Technology (ACSIT - 2021)** Organized by Department of Computer Science and Engineering, Sant Longowal Institute of Engineering and Technology, Longowal, Punjab, India, during 13 – 18 December, 2021.

Coordinator  
ACSIT-2021

Coordinator  
ACSIT-2021

Chairman  
ACSIT-2021

H.O.: SCO 118 - 120, Sector 34 - A, CHANDIGARH

B.O.: First Floor, Crown Tower, 100 Ft. Road, BATHINDA

Web.: [www.infowiz.co.in](http://www.infowiz.co.in) E-mail : [info@infowiz.co.in](mailto:info@infowiz.co.in)



# Certificate

No. Infowiz/12/1888

This is certified that Mr./Ms. JASPAL SINGH [A.P.-CSE3] &/D/o. Sh. SUCHA SINGH  
of S.L.I.E.T, LONGOWAL has successfully undergone Training Course PYTHON

From 10<sup>th</sup> July, 2021 to 24<sup>th</sup> July, 2021. During the tenure of the above course, we found him/her

a hardworking & innovative individual.

We wish him/her a very bright and prosperous future.



  
Technical Head

Managing Director

Chandigarh : 0172 4567888, 98885 00888, 98886 00888

Bathinda : 0164 5007088, 90235 00888, 90236 00888



**IIM**

भारतीय प्रबंध संस्थान विशाखपट्टणम

Indian Institute of Management Visakhapatnam

विद्या परं देवताम्

## CERTIFICATE OF PARTICIPATION

This is to certify that

**Mr. JASPAL SINGH**

Assistant professor

of

Sant Longowal Institute of Engineering and Technology, Punjab

successfully participated in the

**Online Faculty Development Programme on**

**Pedagogy and Scholarly Writing**

conducted online from 5 July to 9 July 2021.

Prof. Bhargab Chattopadhyay - *Programme Director*

Prof. Chandreie Mukherjee - *Programme Co-Director*

MYLAVARAPU

Digitally signed by MV  
CHANDRASEKHAR

Date: 2021.07.21 12:31

Prof. M. Chandrasekhar

Director

58



# IIM

विद्या परं दैवतम्

भारतीय प्रबंध संस्थान विशाखपट्टणम्  
Indian Institute of Management Visakhapatnam

## CERTIFICATE OF PARTICIPATION

This is to certify that

**Dr. Manminder Singh**

Assistant professor  
of

Sant Longowal Institute of Engineering and Technology, Punjab

successfully participated in the

**Online Faculty Development Programme on**

**Pedagogy and Scholarly Writing**

conducted online from 5 July to 9 July 2021.

MYLAVARAPU

Digitally signed by MYLAVARAPU

CHANDRASEKHAR

CHANDRASEKHAR  
Date: 2021.07.21 12:27:17 +05'30'

**Prof. M. Chandrasekhar**

Director

*Prof. Bhargab Chattopadhyay - Programme Director*

*Prof. Chandreie Mukherjee - Programme Co-Director*

No: ATAL/2021/1637818394



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION  
Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training and Learning (ATAL) Academy

# Certificate

This is certified that Manninder Singh, Assistant Professor of SELF participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Bio-Inspired Algorithms and Optimization Techniques for Emerging Research Areas in Computer Applications" from 06/12/2021 to 10/12/2021 at Netaji Subhas University of Technology.

A handwritten signature in black ink, appearing to read "Manninder Singh".

Advisor-I, ATAL Academy  
Mamta Rani Agarwal



A handwritten signature in black ink, appearing to read "Rani".

Coordinator

No: ATAL/2021/1625076264



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

### AICTE Training and Learning (ATAL) Academy

# *Certificate*

This is certified that **SUKHPREET SINGH**, Assistant Professor of **Sant Longowal Institute of Engineering and Technology, Longowal** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Elementary FDP** on "**Agri Entrepreneurship**" from **23/08/2021** to **27/08/2021** at **Entrepreneurship Development Institute of India**.

Advisor-I, ATAL Academy  
Mamta Rani Agarwal



Coordinator



No:ATAL/2021/1620880560



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

### AICTE Training And Learning (ATAL) Academy

#### Certificate

This is certified that **SUKHPREET SINGH**, Assistant Professor of **Sant Longowal Institute of Engineering and Technology, Longowal** participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**RECENT TRENDS IN PRECISION AGRICULTURE**" from **2021-05-31** to **2021-06-04** at **Sant Longowal Institute of Engg. and Technology, Longowal**.

Director ATAL Academies



Coordinator

No:ATAL/2021/1622887971



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

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### AICTE Training And Learning (ATAL) Academy

#### Certificate

This is certified that **SUKHPREET SINGH**, Assistant Professor of **Sant Longowal Institute of Engineering and Technology, Longowal** participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Cyber Security and Cyber Forensics**" from **2021-07-05** to **2021-07-09** at **Maharashtra Institute of Technology**.

Adviser-I, ATAL Academy



Coordinator

No:ATAL/2021/1622887971



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

### AICTE Training And Learning (ATAL) Academy

#### Certificate

This is certified that **SUKHPREET SINGH**, Assistant Professor of **Sant Longowal Institute of Engineering and Technology, Longowal** participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Cyber Security and Cyber Forensics**" from **2021-07-05** to **2021-07-09** at **Maharashtra Institute of Technology**.

Adviser-I, ATAL Academy



Coordinator



## Advancements in Computer Science and Information Technology - 2021

ACSIT-2021

# Certificate of Participation

This is certified that *Tajinder Singh*, Assistant Professor of *Sant Longowal Institute of Engineering and Technology, Longowal* participated and completed successfully AICTE – QIP sponsored One Week Short Term Course on **Advancements in Computer Science and Information Technology (ACSIT - 2021)** Organized by Department of Computer Science and Engineering, Sant Longowal Institute of Engineering and Technology, Longowal, Punjab, India, during 13 – 18 December, 2021.

Coordinator  
ACSIT-2021

Coordinator  
ACSIT-2021

Chairman  
ACSIT-2021

No: ATAL/2021/1638423893



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

### AICTE Training and Learning (ATAL) Academy

# *Certificate*

This is certified that **Jagdeep Singh**, Assistant Professor of **Sant Longowal Institute of Engineering and Technology, Longowal, Punjab** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Elementary FDP** on "**6G Wireless Communication**" from **20/12/2021** to **24/12/2021** at **Indian Institute of Technology, Dharwad**.

Advisor-I, ATAL Academy  
Mamta Rani Agarwal



Coordinator

No: 01/2023/1/M1-M8/15734



# अखिल भारतीय तकनीकी शिक्षा परिषद



प्रमाणित किया जाता है कि

तजिंदर सिंह

एनआईटीटीटी पंजीयन क्रमांक : 20212114690

ने

**राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण पहल के अंतर्गत**

मॉड्यूल 1 : तकनीकी शिक्षा और पाठ्यचर्या पहलुओं का अभिविन्यास

मॉड्यूल 2 : वृत्तिक आचार नीति और संधारणीयता

मॉड्यूल 3 : संचार कौशल, मोड और ज्ञान प्रसार

मॉड्यूल 4 : अनुदेशात्मक योजना और सुपुर्दगी

मॉड्यूल 5 : प्रौद्योगिकी समर्थित अधिगम और आजीवन स्वाधिगम

मॉड्यूल 6 : छात्र निर्धारण और मूल्यांकन

मॉड्यूल 7 : सृजनात्मक समस्या समाधान, नवाचार और सार्थक आर & डी

मॉड्यूल 8 : संस्थागत प्रबंधन और प्रशासनिक कार्यविधि

को सफलता पूर्वक पूर्ण किया।

**All India Council for Technical Education (AICTE)**



**This is to certify that**

Tajinder Singh

NITTT Registration No: 20212114690

**has successfully completed**

Module 1 : Orientation towards Technical Education and Curriculum Aspects

Module 2 : Professional Ethics and Sustainability

Module 3 : Communication Skills, Modes and Knowledge Dissemination

Module 4 : Instructional Planning and Delivery

Module 5 : Technology Enabled Learning and Life-Long Self Learning

Module 6 : Student Assessment and Evaluation

Module 7 : Creative problem Solving, innovation and Meaningful R & D

Module 8 : Institutional Management and Administrative Procedures

of

**National Initiative for Technical Teachers Training**

*Signature*

Director  
NITTTTR, Bhopal



*Signature*

Director  
NITTTTR, Chandigarh



*Signature*

Member Secretary  
AICTE



*Signature*

Director  
NITTTTR, Chennai



*Signature*

Director  
NITTTTR, Kolkata



SEPTEMBER 2021



अखिल भारतीय तकनीकी शिक्षा परिषद्, नई दिल्ली  
प्रमाणपत्र

यह प्रमाणित किया जाता है कि



दमनप्रीत सिंह

पंजीकरण क्र.: 1-524775708

ने

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण पहल के अंतर्गत  
दिनांक 02 से 06 अगस्त 2021 तक आयोजित  
मेंटर उन्मुखीकरण ऑनलाइन प्रशिक्षण कार्यक्रम  
सफलतापूर्वक पूर्ण किया।

All India Council for Technical Education, New Delhi

*Certificate*

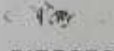
This is to certify that

**DAMANPREET SINGH**  
Registration No. 1-524775708

has successfully completed the  
**Online Orientation Training Programme for Mentors**  
organized from 02 - 06 August 2021  
under  
**National Initiative for Technical Teachers Training**


  
**DIRECTOR**  
NITTR Bhopal

  
**DIRECTOR**  
NITTR Chandigarh

  
**DIRECTOR**  
NITTR Chennai

  
**DIRECTOR**  
NITTR Kolkata



  
**MEMBER SECRETARY**  
AICTE, New Delhi

No:ATAL/2021/1625108175



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

### AICTE Training And Learning (ATAL) Academy

#### Certificate

This is certified that **Jagdeep Singh, Assistant Professor** of **Sant Longowal Institute of Engineering and Technology, Longowal, Punjab** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Advanced FDP** on "**Cyber Security Vulnerabilities & Safeguards**" from **2021-07-12** to **2021-07-16** at **National Institute of Technical Teachers Training & Research Chandigarh**.

Adviser-I, ATAL Academy



Coordinator



No: ATAL/2021/1632410941



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

### AICTE Training and Learning (ATAL) Academy

# *Certificate*

This is certified that **Jagdeep Singh**, Assistant Professor of **Sant Longowal Institute of Engineering and Technology, Longowal, Punjab** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Elementary FDP on "Reinforcement Learning and its Applications"** from **08/11/2021** to **12/11/2021** at **Indian Institute of Technology Ropar**.

Advisor-I, ATAL Academy  
Mamta Rani Agarwal



Coordinator

No:ATAL/2020/1609138811



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

### AICTE Training And Learning (ATAL) Academy

#### Certificate

This is certified that **Tajinder Singh, Assistant Professor** of **SLIET Sangrur** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online FDP** on "**Artificial Intelligence**" from **2021-1-4** to **2021-1-8** at **Gyan Ganga Institute of Technology & Sciences**.

Director ATAL Academies



Coordinator

No: 12/2021/1/M1-M8/14945



# अखिल भारतीय तकनीकी शिक्षा परिषद



प्रमाणित किया जाता है कि

जगदीप सिंह

एनआईटीटीटी पंजीयन क्रमांक : 20212114657

ने

**राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण पहल के अंतर्गत**

मॉड्यूल 1 : तकनीकी शिक्षा और पाठ्यचर्या पहलुओं का अभिविन्यास

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मॉड्यूल 3 : संचार कौशल, मोड और ज्ञान प्रसार

मॉड्यूल 4 : अनुदेशात्मक योजना और सुपुर्दगी

मॉड्यूल 5 : प्रौद्योगिकी समर्थित अधिगम और आजीवन स्वाधिगम

मॉड्यूल 6 : छात्र निर्धारण और मूल्यांकन

मॉड्यूल 7 : सृजनात्मक समस्या समाधान, नवाचार और सार्थक आर & डी

मॉड्यूल 8 : संस्थागत प्रबंधन और प्रशासनिक कार्यविधि

को सफलता पूर्वक पूर्ण किया।

**All India Council for Technical Education (AICTE)**



**This is to certify that**

**JAGDEEP SINGH**

**NITTT Registration No: 20212114657**

**has successfully completed**

Module 1 : Orientation towards Technical Education and Curriculum Aspects

Module 2 : Professional Ethics and Sustainability

Module 3 : Communication Skills, Modes and Knowledge Dissemination

Module 4 : Instructional Planning and Delivery

Module 5 : Technology Enabled Learning and Life-Long Self Learning

Module 6 : Student Assessment and Evaluation

Module 7 : Creative problem Solving, innovation and Meaningful R & D

Module 8 : Institutional Management and Administrative Procedures

of

**National Initiative for Technical Teachers Training**

*Signature*

Director  
NITTT, Bhopal



*Signature*

Director  
NITTT, Chandigarh



*Signature*

Member Secretary  
AICTE



*Signature*

Director  
NITTT, Chennai



*Signature*

Director  
NITTT, Kolkata



SEPTEMBER 2021

No: ATAL/2021/1638424303



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

### AICTE Training and Learning (ATAL) Academy

# *Certificate*

This is certified that **Tajinder Singh**, Assistant Professor of **SLIET Sangrur** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Elementary** FDP on "**6G Wireless Communication**" from **20/12/2021** to **24/12/2021** at **Indian Institute of Technology, Dharwad**.

Advisor-I, ATAL Academy  
Mamta Rani Agarwal



Coordinator