DVV Clarifications
Metrics Level Deviations

6.3.4	Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).	Provide e-copy of certificate of program attended by Satarupa Bagchi Biswas Dipankar Chakraborty Dipankar Chakraborty Dr. Jhumpa Bhadra Dr. Samarpita Bhattacharya Dr. Samarpita Bhattacharya Moulipriya Sarkar Moumita Pramanik Ms. Venu Bihani Sandip Chatterjee Venu Bihani Anirban Kundu Debabrata Kar Jyotirmoy Ghosh Mr. Sumon Ghosh Palash Ghosh for the year 2016-17, 2017-18 , 2018-19 and 2019-20, 2020-21."

6.3.4.1. Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years

HEI Input :

2020-21	2019-20	2018-19	2017-18	2016-17
94	52	32	26	65

Supporting Documents:

E-copy of certificate of program attended by

1. Satarupa Bagchi Biswas (2020-21, 2019-20, 2016-17)

2. Dipankar Chakraborty (2020-21, 2019-20, 2018-19, 2016-17)

3. Dr. Jhumpa Bhadra (2020-21, 2019-20, 2016-17)

4. Dr. Samarpita Bhattacharya (2020-21, 2018-19, 2016-17)

5. Moulipriya Sarkar (2020-21, 2019-20)

6. Moumita Pramanik (2020-21, 2016-17)

7. Sandip Chatterjee (2020-21)

8. Venu Bihani (2020-21)

9. Anirban Kundu (2020-21, 2016-17)

10. Debabrata Kar (2020-21, 2019-20)

11. Jyotirmoy Ghosh (2020-21, 2019-20, 2017-18, 2016-17)

12. Mr. Sumon Ghosh (2020-21)

13. Palash Ghosh(2020-21, 2017-18, 2016-17)

Cyber Security Centre of Excellence

West Bengal

In Association with

Information Security Education and Awareness (ISEA)

Program by Ministry of Electronics and Information Technology (MeitY), Government of India

Certificate of Participation

(Certificate No: ISEA/CSCOE-WB/01826   )

This is to certify that _____ *Satarupa Biswas* _____ has successfully taken part in the online Teachers & Governmental officials Training on "Cyber Safety and Security" organized by Cyber Security Centre of Excellence (CS-CoE), West Bengal under the aegis of the Department of Information Technology & Electronics, Government of West Bengal. This training programme is led by Information Security Education and Awareness (ISEA) under Ministry of Electronics & Information Technology (MeitY), Government of India from 14th to 17th July,2020 with support from M/s West Bengal Electronics Industry Development Corporation (Webel). The participant has undergone training and developed clear understanding on the following topics:

- Internet Fundamentals , Information Security & Desktop Security,
- Browser & email security and Social Networking & Fake messages
- Social Engineer Techniques (Phishing, Smishing, Vishing etc.) & Awareness on e-Gov services offered West Bengal state
- Mobile application Security and Threats and challenges in online learning

ISEA Coordinator
Information Security Education
and Awareness Project Phase – II

Joint Secretary,
Dept of IT&E, Govt of West Bengal
& Member Secretary, Cyber Security Centre
of Excellence, West Bengal

Certificate issued by :

www.InfoSec awareness.in

प्रगत संगणन विकास केन्द्र
CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING
इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय की वैज्ञानिक संस्था, भारत सरकार
A Scientific Society of the Ministry of Electronics and Information Technology, Government of India

STTP
CSE, NiT

7 – 11 June, 2021

STTP(II)/CSE
NiT-046

NARULA INSTITUTE OF TECHNOLOGY

81, Nilgunj Road, Agarpara, Kolkata, www.nit.ac.in

Certificate of Participation

This is to certify that

Prof./Dr./Mr./MS, SATARUPA BAGCHI BISWAS
of **HERITAGE INSTITUTE OF TECHNOLOGY, KOLKATA**
has actively participated and successfully completed the Phase: II of Online Short
Term Training Program (STTP) on Data Science and Machine Learning sponsored
by All India Council for Technical Education (AICTE) from 7th – 11th June, 2021
organized by Department of Computer Science & Engineering.

Dr. Subhram Das
Programme Coordinator
CSE, NiT

Mr. Jayanta Pal
HOD, CSE, NiT

Prof. (Dr.) M. R. Kanjilal
Principal, NiT

Verify Online: https://bit.ly/3iJbFml

STTP
CSE, NiT
21 – 25 June, 2021

NARULA INSTITUTE OF TECHNOLOGY
81, Nilgunj Road, Agarpara, Kolkata, www.nit.ac.in
Certificate of Participation

This is to certify that

STTP(II)/CSE
NiT-034

Prof./Dr./Mr./MS, SATARUPA BAGCHI BISWAS
of **HERITAGE INSTITUTE OF TECHNOLOGY**

has actively participated and successfully completed the Phase: III of Online Short Term Training Program (STTP) on Data Science and Machine Learning sponsored by All India Council for Technical Education (AICTE) from 21st – 25th June, 2021 organized by Department of Computer Science & Engineering.

Dr. Subhram Das
Programme Coordinator
CSE, NiT

Mr. Jayanta Pal
HOD, CSE, NiT

Prof. (Dr.) M. R. Kanjilal
Principal, NiT

Verify Online: https://bit.ly/3h6XhCp

NiT | AICTE | JIS GROUP
Educational Initiatives

NARULA INSTITUTE OF TECHNOLOGY

81, Nilgunj Road, Agarpara, Kolkata, www.nit.ac.in

Certificate of Participation

This is to certify that

Prof./Dr./Mr./MS, Satarupa Bagchi Biswas
of **Heritage Institute of Technology, Kolkata**
has actively participated and successfully completed the online AICTE sponsored One Week Short Term Training Programme (STTP) Phase I organized by **Department of Computer Science & Engineering**, from **24th May to 28th May 2021** on **"Data Science and Machine Learning"**.

Dr. Subhram Das
Programme Coordinator
CSE, NiT

Mr. Jayanta Pal
HOD, CSE, NiT

Prof. (Dr.) M. R. Kanjilal
Principal, NiT

No: STTP(I)/CSE/NiT/041

Verify Online: https://cutt.ly/onjZJUO

Imperial College London

Jul 15, 2020

DIPANKAR CHAKRABORTY

has successfully completed

Mathematics for Machine Learning: Linear Algebra

an online non-credit course authorized by Imperial College London and offered through Coursera

David Dye, Samuel J. Cooper, and A. Freddie Page

coursera

EDUCATION FOR EVERYONE · COURSE CERTIFICATE

Verify at coursera.org/verify/SC8UHU5GNKYH
Coursera has confirmed the identity of this individual and their participation in the course.

First International Webinar Conference on
Uncertainty Therory And Decision Making

FIWC-UTDM - 2020

~ *Organized by* ~
**School of Applied Science & Humanities
& Department of Computer Applications (MCA)**
Haldia Institute of Technology (HIT)
Haldia, West Bengal

~ *in collaboration with* ~
**Department of Applied Science
Maulana Abul Kalam Azad
University of Technology (MAKAUT)**
West Bengal

28th-30th November, 2020

MAKAUT WB
Utech
In Pursuit Of Knowledge And Excellence

Certificate of Appreciation

This is to certify that **Dr. Dipankar Chakraborty**, *Assistant Professor, Heritage Institute of Technology, Kolkata has participated in three days international webinar conference FIWC-UTDM-2020 organized by Haldia Institute of Technology, Haldia, India in collaboration with Moulana Abul Kalam Azad University of Technology, West Bengal, India.*

Certificate of Participation

Prof. Radhaballabh Bhar
HOD, Department of Applied Sciences
MAKAUT

Prof. Dipak Kumar Jana
Organizing Secretary, FIWC-UTDM 2020
HOD, School of Applied Science and Humanities
Haldia Institute of Technology

UNIVERSITY OF MICHIGAN

Jul 5, 2020

DIPANKAR CHAKRABORTY

has successfully completed

Using Databases with Python

an online non-credit course authorized by University of Michigan and offered through Coursera

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

EDUCATION FOR EVERYONE · coursera · COURSE CERTIFICATE

Verify at coursera.org/verify/S9B7NWRN229G
Coursera has confirmed the identity of this individual and their participation in the course.

Teaching Learning Centre, Ramanujan College
University of Delhi
under the aegis of
MINISTRY OF EDUCATION
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING
in collaboration with
Department of Mathematics, Ramanujan College

This is to certify that

Dr. Jhumpa Bhadra

of

Department of Mathematics, Heritage Institute of Technology, Kolkata, West Bengal

has successfully completed Two-Week

"REFRESHER COURSE IN MATHEMATICS"

organised by the

Department of Mathematics, Ramanujan College

from *31 August-14 September 2021* and obtained

Grade *A+*.

Blockchain Hash: 0xe3dbbf32196a9eb821cda28a7dc71edcf8f9c12185e336e1b7c82622bf9e19d8

Prof. S. P. Aggarwal
(Principal & Director)
TLC, Ramanujan College

Dr. Virendra Kumar
(Co-Convener)
Ramanujan College

Dr. Rajesh Singh
(Convener)
Ramanujan College

27TH INTERNATIONAL CONFERENCE OF
INTERNATIONAL ACADEMY OF PHYSICAL SCIENCES
(CONIAPS XXVII)

On

Advances in Relativity and Cosmology

(PARC-2021)

(October 26-28, 2021)

Organized by

Department of Mathematics, BITS-Pilani, Hyderabad Campus

E-CERTIFICATE OF PRESENTATION

This is to certify that **Mr./Ms./Dr./Prof. Jhumpa Bhadra, Heritage Institute of Technology, Kolkata, India** has participated (online) in the 27th International Conference of **International Academy of Physical Sciences on Advances in Relativity and Cosmology** and presented the research paper entitled "**Accretions of logarithmic and power law entropy corrected (m,n) type Pilgrim dark energies onto (D+2)- dimensional black hole**" organized by the Department of Mathematics, Birla Institute of Technology and Science – Pilani, Hyderabad Campus, Hyderabad, India during October 26-28, 2021.

(Prof. P.K. Sahoo)
HoD

(Prof. P.N. Pandey)
General Secretary, IAPS

(Prof. B. Mishra)
Convener

innovate   achieve   lead

Teaching Learning Centre, Ramanujan College
University of Delhi
under the aegis of
MINISTRY OF EDUCATION
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING
in collaboration with
Department of Mathematics, Ramanujan College

This is to certify that

Dr. Samarpita Bhattacharya

of

Department of Mathematics, Heritage Institute of Technology, Kolkata, West Bengal

has successfully completed Two-Week

"REFRESHER COURSE IN MATHEMATICS"

organised by the

Department of Mathematics, Ramanujan College

from *31 August-14 September 2021* and obtained

Grade *A+*.

Blockchain Hash: 0x0e5bace4abae74d5f66b0a8414ff4f3eaf7c96ef8fac7df7f4c8a59d70272a43

Prof. S. P. Aggarwal
(Principal & Director)
TLC, Ramanujan College

Dr. Virendra Kumar
(Co-Convener)
Ramanujan College

Dr. Rajesh Singh
(Convener)
Ramanujan College

Calcutta Mathematical Society

AE-374, Sector I, Salt Lake City, Kolkata - 700064, WB, India

Online Workshop on Emerging Areas in Mathematics (WEAM-2021)
(One Week Faculty Development Programme)

Organised by
Calcutta Mathematical Society
10-17 July, 2021

Certificate of Participation

This is to certify that **Dr. Samarpita Bhattacharya** of **Heritage Institute of Technology , Kolkata, West Bengal** participated in the Online **Workshop on Emerging Areas in Mathematics (WEAM-2021), One Week Faculty Development Programme** of total **Twenty Hours** duration *organised by* **Calcutta Mathematical Society**, Kolkata, India **during 10-17 July 2021.**

Dr. Koushik Ghosh
Jt. Convenor

Dr. Bablu Biswas
Jt. Convenor

Prof. Arindam Bhattacharyya
Secretary, Calcutta Mathematical Society

Prof. Rajkumar Roychoudhury
President, Calcutta Mathematical Society

NCRTMMA -2021

Online National Conference
On
Recent Trends in Mathematical Modeling and Its Applications
(NCRTMMA-2021)

Dated : 23-27 August, 2021

Organized by

Department of Mathematics, ICFAI Science School

THE ICFAI UNIVERSITY TRIPURA

E-Certificate

This is to certify that Prof. / Dr. / Ms. / Mrs. / Mr. __Samarpita Bhattacharya__
of __Heritage Institute of Technology, Kolkata, WB_____ has chaired a session / participated / delivered an invited lecture / presented a paper entitled_____

in the Online National Conference on 'Recent Trends in Mathematical Modeling and Its Applications (NCRTMMA-2021)'.

Dr. Prasenjit Bal
Organizing Secretary
NCRTMMA 2021
ICFAI University, Tripura

Dr. A. Ranganath
Registrar
ICFAI University, Tripura

Prof. (Dr.) Biplab Halder
Pro-Vice Chancellor
ICFAI University, Tripura

MIZORAM UNIVERSITY

A Central University Established by an Act of Parliament
Accredited 'A' Grade by NAAC (2019)

Awards this

Certificate of Participation

to

Mr./Ms./Dr. Moulipriya Sarkar

for attending the **Webinar** (19th May, 2021) organized by the School of Life Sciences, Mizoram University Aizawl, on the Topics "Using Mathematical Models to Understand Epidemics by Prof. Sunetra Gupta, Department of Zoology, University of Oxford, UK.

Professor G. Gurusubramanian
Organizing Secretary
Department of Zoology

Professor H.T Lalremsanga
Organizing Secretary
Department of Zoology

Dr. Vikas Kumar Roy
Organizing Secretary
Department of Zoology

International Webinar

on

"JOURNEY OF WOMEN IN SCIENCE"

Celebration of International Day of Women and Girls in Science

Organized By

Department of Economics & Department of Mathematics
In Collaboration with
IQAC
Vijaygarh Jyotish Ray College

This is to certify that **Ms Moulipriya Sarkar** *of* **Heritage Institute of Technology, Kolkata** *has participated One Day International Webinar on "Journey of Women in Science"- Celebration of International Day of Women and Girls in Science, Organized by Department of Economics & Department of Mathematics in collaboration with IQAC, Vijaygarh Jyotish Ray College, Kolkata on 11th February, 2021 at 18.30 to 21.30 Hrs.*

Swarnali Sharma	*Isita Mukherjee*	*Abhijit Das*	*Prasenjit Das* *Sampa Debnath*	*R. Neogy*
Dr. Swarnali Sharma	**Dr. Isita Mukherjee**	**Dr. Abhijit Das**	**Dr. Prasenjit Das & Dr. Sampa Debnath**	**Dr. Rajyasri Neogy**
Convener & HOD	**Convener**	**HOD**	**Coordinators, IQAC**	**Principal**
Department of Mathematics	**Department of Economics**	**Department of Economics**	**Vijaygarh Jyotish Ray College**	**Vijaygarh Jyotish Ray College**
Vijaygarh Jyotish Ray College	**Vijaygarh Jyotish Ray College**	**Vijaygarh Jyotish Ray College**		

OPERATIONAL RESEARCH SOCIETY OF INDIA

Government Holkar (Model, Autonomous) Science College,
Indore (M.P.), INDIA

CERTIFICATE

17-19 DECEMBER, 2021

This is to certify that

MOULIPRIYA SARKAR

has Presented / Participated his/ her paper titled

Conservation of a prey species through optimal taxation: a model with Beddington-DeAngelis Functional Response

Oral Presentation/ Zoom Presentation in International Conference AORBI 2021.

Dr. Chitaranjan Sharma
Conference Chair
AORBI-2021

MATHEMATICAL MODELLING IN THE CONTEXT OF COVID-19 AND THE GLOBAL CRISES

12th – 14th October, 2020

Certificate of Participation

This is to certify that Prof./Dr./Sri/Smt/Ms **Prof. Moumita Pramanik** of Department of Mathematics, Heritage Institute Of Technology, Kolkata participated in the International Webinar on "MATHEMATICAL MODELLING IN THE CONTEXT OF COVID-19 AND THE GLOBAL CRISES" held during 12th-14th October,2020,organized by the Department of Mathematics and IEEE student branch, NIT Agartala, Barjala, Jirania, Tripura-799046, India.

Dr. Abhijit Baidya
Organizing Secretary(Joint)

Dr. Pinki Majumder
Organizing Secretary

Dr. Uttam Kumar Bera
Organizing Chairman

Dr. Baby Bhattacharya
Patron

Shri Guru Ram Rai (PG) College, Pathri Bagh, Dehradun (Uttarakhand), India

(Graded 'A' accredited by NAAC & CPE 2nd Cycle accorded by UGC)

Five Days

International Webinar on Mathematics

(September 14 - 18, 2020)

Certificate of Participation

This is to certified that Prof./Dr./Mr./Ms. Moumita Pramanik   From Heritage Institute of Technology has actively participated in five days International Webinar on Mathematics Organized by the Department of Mathematics, Shri Guru Ram Rai (PG) College, Pathri Bagh, Dehradun, Uttarakhand, India held from 14 September to 18 September, 2020.

Prof. V. A. Bourai
Principal,
Shri Guru Ram Rai (PG) College, Dehradun

Dr. Sanjay Kumar Padaliya
Head, Department of Mathematics
(Convenor)

Dr. Anubhav Pratap Singh
Department of Mathematics
(Organizing Secretary)

Dr. Vivek Kumar
Department of Mathematics
(Organizing Secretary)

Certificate of Participation

Indian Institute of Management, Ahmedabad

FACULTY DEVELOPMENT PROGRAM (ONLINE)
In
PEDAGOGY AND RESEARCH METHODS
(June 7 to June 20, 2021)

This is to certify that **MOUMITA PRAMANIK** , Assistant Professor of Heritage Institute of Technology, Kolkata-700107,has successfully participated in the two week online "Faculty Development Programme in Pedagogy and Research Methods" organized by Indian Institute of Management, Ahmedabad 380015 , Gujrat , India, from 7th June to 20th June, 2021.

Dr. Pradyumana Khokle
DEAN, IIMA

Dr. Kartic Sriram
CHAIRPERSON FDP

Dr. Dhiman Bhadra
ORGANIZING SECRETARY

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Ms. Venu Bihani from Heritage Institute of Technology, Kolkata has participated and successfully completed the 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 18th October, 2021 to 22nd October, 2021.

Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program

Prof. Rajive Kumar
Member Secretary, AICTE

Teaching Learning Centre, Ramanujan College
University of Delhi
under the aegis of
MINISTRY OF EDUCATION
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING
in collaboration with
Department of Mathematics, Ramanujan College

This is to certify that

Ms. Venu Bihani, Assistant Professor

of

Department of Mathematics, Heritage Institute of Technology, Kolkata, West Bengal
has successfully completed Two-Week
"REFRESHER COURSE IN MATHEMATICS"
organised by the
Department of Mathematics, Ramanujan College
from *31 August-14 September 2021* and obtained
Grade *A+*.

Blockchain Hash: 0x636bf4547a8fc1f524b06488c1bc9d40593763974f76a1ae0befe8f04a49349e

Prof. S. P. Aggarwal
(Principal & Director)
TLC, Ramanujan College

Dr. Virendra Kumar
(Co-Convener)
Ramanujan College

Dr. Rajesh Singh
(Convener)
Ramanujan College

DEPARTMENT OF MATHEMATICS
RAMANUJAN COLLEGE
UNIVERSITY OF DELHI

A D M A
ACADEMY OF DISCRETE
MATHEMATICS AND APPLICATIONS

CERTIFICATE OF PARTICIPATION

This is to certify that **Ms. Venu Bihani**, **Assistant Professor**, **Department of Mathematics**, **Heritage Institute of Technology** has participated in online workshop on **Recent Trends in Domination and Graph Labelling (RTDGL 2021)** organized by Department of Mathematics, Ramanujan College, University of Delhi in collaboration with Academy of Discrete Mathematics and Applications (ADMA) during 27th May 2021 to 31st May 2021.

Prof. S.P. Aggarwal
Principal
Ramanujan College

Dr. Rajesh Singh
Convenor
RTDGL 2021

Prof. G. Sethuraman
President
ADMA

AIMA
ALL INDIA MANAGEMENT ASSOCIATION

ALL INDIA MANAGEMENT ASSOCIATION

E-Certificate of Participation

This is to certify that **Sandip Chatterjee** has attended

the online training on

New Trainer Skills: Train The Trainer
Harnessing Training Skills including Online Training Skills

Conducted by All India Management Association

on 3, 4 & 7 June 2021

New Delhi

Director CME
All India Management Association

Date : 7 June 2021

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 **Anirban Kundu**, **Assistant Professor** of **Heritage Institute of Technology** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online** FDP on "**Artificial Intelligence**" from **2020-11-23** to **2020-11-27** at **Centre for Development of Advanced Computing, Kolkata**.

Director ATAL Academies

Soma Mitra

Coordinator

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 **Anirban Kundu**, **Assistant Professor** of **Heritage Institute of Technology** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online** FDP on "**Data Sciences**" from **2020-9-16** to **2020-9-20** at **K.E. Society's Rajarambapu Institute Of Technology Rajaramnagar**.

Director ATAL Academies

Coordinator

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 **Anirban Kundu**, **Assistant Professor** of **Heritage Institute of Technology** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Elementary** FDP on "**Practical insight into key concepts of Blockchain**" from **2021-07-12** to **2021-07-16** at **Ramaiah Institute of Technology**.

Adviser-I, ATAL Academy

Coordinator

The Institution of Engineers (India)

Established 1920, Incorporated by Royal Charter 1935

Celebrating Centenary Year in 2020

35th Indian Engineering Congress

December 18-20, 2020

Certificate of Participation

This is to certify that

DEBABRATA KAR

has participated in the **Technical Session** of the 35th Indian Engineering Congress held in virtual mode on December 18, 2020 from 11.45 AM to 6 PM (IST)

Dr H R P Yadav, FIE
Secretary and Director General-I/C

This is an approved CPD programme of The Institution of Engineers (India)

Er Narendra Singh, FIE
President

Institute Innovation Cell (IIC)
(Ministry of Education Initiative)

Hemvati Nandan Bahuguna Garhwal University (A Central University) Srinagar Garhwal Uttarakhand- 246 174

Participation Certificate

Dr./Mr./Ms. ....DEBABRATA KAR.. has participated in the National Webinar on National Education Policy organized by Institute Innovation Cell, Hemvati Nandan Bahuguna Garhwal University (A Central University) Srinagar Garhwal, Uttarakhand on 30 December 2020.

Prof. Atul Dhyani
President

Dr. Alok Sagar Gautam
Convener

Dr. Sudhir Kumar Chaturvedi
Webinar Co-ordinator

GMR Institute of Technology

An Autonomous Institute Affiliated to JNTUK, Kakinada

GMRIT — Training Tomorrow's Engineers Today

(Accredited by NBA, NAAC with 'A' grade and ISO 9001:2008 Certified Institution)

This is to certify that

Dr. Jyotirmoy Ghosh

Assistant Professor, Computer Applications

Heritage Institute of Technology, Kolkata

has **Participated** in One Week International Faculty Development Programme on

"Emerging Trends & Technologies in Data Science"

Organized by Department of Computer Science and Engineering,

GMR Institute of Technology, Rajam, Andhra Pradesh during 24th – 29th August 2020.

Dr. A.V. Ramana
Convener, HOD -CSE

Dr. J. Raja Murugadoss
Vice Principal

Dr. C.L.V.R.S.V. Prasad
Principal

Dr. B.C. Roy Polytechnic
(A Unit of Dr. B. C. Roy Engineering College, Durgapur)

BRAIN O VISION
Brain O Vision Solutions India Pvt. Ltd...

CERTIFICATE
OF PARTICIPATION

भारतीय राष्ट्रीय युवा परिषद
National Youth Council of India

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr. Jyotirmoy Ghosh

for his/her active participation in World's Largest 1 Week HANDS-ON Faculty
Development Program on Artificial Intelligence using Python
organised by Department of Computer Science & Technology of
Dr. B. C. Roy Polytechnic
in association with Brainovision Solutions India Pvt.Ltd. &
National Youth Council of India
held from 14-09-2020 to 19-09-2020

Ganesh Nag Doddi	Datchana Moorthy Ramu	Dr. Arindam Chakraborty	Mr. Soham Bandyopadhyay
CEO, BRAINOVISION	General Secretary, NYCI	FDP Chair Principal, BCRP	FDP Convener HOD, Dept. CST

NARULA INSTITUTE OF TECHNOLOGY

81, Nilgunj Road, Agarpara, Kolkata, www.nit.ac.in

Certificate of Participation

This is to certify that

Prof./Dr./Mr./MS, Jyotirmoy Ghosh

of **Heritage Institute of Technology**

has actively participated and successfully completed the online AICTE sponsored One Week Short Term Training Programme (STTP) Phase I organized by **Department of Computer Science & Engineering**, from **24th May to 28th May 2021** on **"Data Science and Machine Learning".**

Dr. Subhram Das
Programme Coordinator
CSE, NiT

Mr. Jayanta Pal
HOD, CSE, NiT

Prof. (Dr.) M. R. Kanjilal
Principal, NiT

No: STTP(I)/CSE/NiT/022

Verify Online: https://cutt.ly/onjZJUO

GMR Institute of Technology
An Autonomous Institute Affiliated to JNTUK, Kakinada

GMRIT Training Tomorrow's Engineers Today

(Accredited by NBA, NAAC with 'A' grade and ISO 9001:2008 Certified Institution)

This is to certify that

Mr. Sumon Ghosh

Assistant Professor, Computer Applications

Heritage Institute of Technology, Kolkata

has Participated in One Week International Faculty Development Programme on

"Emerging Trends & Technologies in Data Science"

Organized by Department of Computer Science and Engineering,

GMR Institute of Technology, Rajam, Andhra Pradesh during 24th – 29th August 2020.

Dr. A.V. Ramana
Convener, HOD -CSE

Dr. J. Raja Murugadoss
Vice Principal

Dr. C.L.V.R.S.V. Prasad
Principal

NARULA INSTITUTE OF TECHNOLOGY

81, Nilgunj Road, Agarpara, Kolkata, www.nit.ac.in

Certificate of Participation

This is to certify that

Prof./Dr./Mr./MS, Sumon Ghosh
of **Heritage Institute of Technology**
has actively participated and successfully completed the online AICTE sponsored One Week Short Term Training Programme (STTP) Phase I organized by **Department of Computer Science & Engineering**, from **24th May to 28th May 2021** on **"Data Science and Machine Learning"**.

Dr. Subhram Das
Programme Coordinator
CSE, NiT

Mr. Jayanta Pal
HOD, CSE, NiT

Prof. (Dr.) M. R. Kanjilal
Principal, NiT

No: STTP(I)/CSE/NiT/055

Verify Online: https://cutt.ly/onjZJUO

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 **Palash Ghosh**, **Assistant Professor** of **Heritage Institute of Technology** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Elementary** FDP on "**Data Science for Healthcare**" from **2021-6-21** to **2021-6-25** at **Vivekanandha College of Engineering for Women**.

Director ATAL Academies

Coordinator

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 **Palash Ghosh**, **Assistant Professor** of **Heritage Institute of Technology** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online** FDP on "**Internet of Things (IoT)**" from **2021-2-1** to **2021-2-5** at **Sri Manakula Vinayagar Engineering College**.

Director ATAL Academies

Coordinator

One Week Workshop under RUSA 2.0

Computer Vision and Multimedia Computing

February 10 - 17, 2020

Organized by
Department of Information Technology
Jadavpur University

CERTIFICATE OF PARTICIPATION

This is to certify that **Ms. Satarupa Bagchi** Biswas of Heritage Institute of Technology, Kolkata has participated in the one week workshop under RUSA 2.0 on "Computer Vision Multimedia Computing".

Prof. Sibapriya Mukherjee
Dean, FET, Jadavpur University

Dr. Uttam Kumar Roy
HOD, Dept. of IT, Jadavpur University

Prof. Bibhas Chandra Dhara
Oranizing Chair, CVMC

Elite

NPTEL Online Certification

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

TOP
TOPPER
2%

This certificate is awarded to

SATARUPA BAGCHI BISWAS

for successfully completing the course

Computer Organization and Architecture:

A Pedagogical Aspect

with a consolidated score of **91** %

Online Assignments	23.72/25	Proctored Exam	67.5/75

Total number of candidates certified in this course: **249**

Prof. Sunil Khijwania
Head, Center for Educational Technology
NPTEL Coordinator, IIT Guwahati

Jan-Apr 2019
(12 week course)

Indian Institute of Technology Guwahati

FREE ONLINE EDUCATION
swayam
शिक्षित भारत, उन्नत भारत

UNIVERSITY OF LONDON

06/05/2020

Satarupa Biswas

has successfully completed

Machine Learning for All

an online non-credit course authorized by University of London and offered through Coursera

Dr Marco Gillies
Computing Department,
Goldsmiths, University of London

coursera

EDUCATION FOR EVERYONE · COURSE CERTIFICATE ·

UB **SUNY** The State University of **New York**

06/11/2020

Satarupa Biswas

has successfully completed

Blockchain Basics

an online non-credit course authorized by University at Buffalo and The State University of New York and offered through Coursera

Bina Ramamurthy

Bina Ramamurthy
Teaching Professor
Computer Science and Engineering

COURSE CERTIFICATE

EDUCATION FOR EVERYONE · coursera · COURSE CERTIFICATE

UNIVERSITY OF MICHIGAN

May 30, 2020

DIPANKAR CHAKRABORTY

has successfully completed

Programming for Everybody (Getting Started with Python)

an online non-credit course authorized by University of Michigan and offered through Coursera

coursera

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/6ZR79Z8SXTYB

Coursera has confirmed the identity of this individual and their participation in the course.

UNIVERSITY OF MICHIGAN

Jun 5, 2020

DIPANKAR CHAKRABORTY

has successfully completed

Python Data Structures

an online non-credit course authorized by University of Michigan and offered through Coursera

EDUCATION FOR EVERYONE • coursera • COURSE CERTIFICATE

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/M7MJBHN296SA
Coursera has confirmed the identity of this individual and their participation in the course.

UNIVERSITY OF MICHIGAN

Jun 19, 2020

DIPANKAR CHAKRABORTY

has successfully completed

Using Python to Access Web Data

an online non-credit course authorized by University of Michigan and offered through Coursera

coursera

EDUCATION FOR EVERYONE · COURSE CERTIFICATE

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/WHA6QGBWGHY9

Coursera has confirmed the identity of this individual and their participation in the course.

Imperial College London

DIPANKAR CHAKRABORTY

has successfully completed

Linear Regression in R for Public Health

an online non-credit course authorized by Imperial College London and offered through Coursera

COURSE
CERTIFICATE

Professor Alex Bottle
Professor of Medical Statistics
School of Public Health

Dr Victoria Cornelius
Senior Lecturer
Medical Statistics and Clinical Trials

National Webinar

on

"THE ROLE OF MATHEMATICAL MODELING IN COVID19 PANDEMIC RESPONSE: MAIN CHALLENGES"

Organized By

Department of Mathematics
In Collaboration with
IQAC
Vijaygarh Jyotish Ray College
The University of Calcutta

This is to certify that **Dr. Jhumpa Bhadra** *of* **Heritage Institute of Technology, Kolkata** *participated in the National Webinar on "The Role of Mathematical Modeling in COVID 19 Pandemic Response: Main Challenges", organized by Department of Mathematics in collaboration with IQAC, Vijaygarh Jyotish Ray College, Kolkata on 22nd June, 2020 (2 Hrs).*

Dr. Swarnali Sharma	**Dr. Prasenjit Das**	**Dr. Sampa Debnath**	**Dr. Rajyasri Neogy**
Convener	Coordinator, IQAC	Coordinator, IQAC	Principal
Vijaygarh Jyotish Ray College	Vijaygarh Jyotish Ray College	Vijaygarh Jyotish Ray College	Vijaygarh Jyotish Ray College

THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY

05/27/2020

Moulipriya Sarkar

has successfully completed

Differential Equations for Engineers

an online non-credit course authorized by The Hong Kong University of Science and
Technology and offered through Coursera

Jeffrey Chasnov

Jeffrey R. Chasnov
Professor
Department of Mathematics

EDUCATION FOR EVERYONE · **coursera** · COURSE CERTIFICATE

Verify at coursera.org/verify/HTQBUUXAUXBW

National Webinar

on

"THE ROLE OF MATHEMATICAL MODELING IN COVID19 PANDEMIC RESPONSE: MAIN CHALLENGES"

Organized By

Department of Mathematics
In Collaboration with
IQAC
Vijaygarh Jyotish Ray College
The University of Calcutta

This is to certify that **Ms. Moulipriya Sarkar** *of* **Heritage Institute of Technology, Kolkata** *participated in the National Webinar on "The Role of Mathematical Modeling in COVID 19 Pandemic Response: Main Challenges", organized by Department of Mathematics in collaboration with IQAC, Vijaygarh Jyotish Ray College, Kolkata on 22nd June, 2020 (2 Hrs).*

Dr. Swarnali Sharma	**Dr. Prasenjit Das**	**Dr. Sampa Debnath**	**Dr. Rajyasri Neogy**
Convener	Coordinator, IQAC	Coordinator, IQAC	Principal
Vijaygarh Jyotish Ray College	Vijaygarh Jyotish Ray College	Vijaygarh Jyotish Ray College	Vijaygarh Jyotish Ray College

ANURAG
UNIVERSITY

Certificate of Participation

This is Presented to

Debabrata Kar
Assistant professor
of

Heritage Institute of Technology,Kolkata

For participating in a Three Day Online Faculty Development Program on "Cyber Security " from 3rd June - 5th June 2020 hosted by departments of Electronics and Communication Engineering ,in Association with ISTE and INDIAN SERVERS

M. Shiva Kumar	Kumar Neeraj	Dr. S. Satheeskumaran	Dr. K. S. Rao
Coordinator	Co-Convener	Convener, HOD-ECE	Director

June 5, 2020

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SAPTHAGIRI COLLEGE OF ENGINEERING BENGALURU-57

(AFFILIATED TO VTU, BELAGAVI & APPROVED BY AICTE, NEW DELHI)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NATIONAL LEVEL ONLINE 5 DAYS FDP ON "MACHINE LEARNING AND RESEARCH OPPORTUNITIES"

CERTIFICATE OF PARTICIPATION

This is to certify that Dr/Mr/Ms/Mrs. **DEBABRATA KAR**
from **HERITAGE INSTITUTE OF TECHNOLOGY,KOLKATA**
has participated in **NATIONAL LEVEL ONLINE 5 DAYS FDP ON "MACHINE LEARNING AND RESEARCH OPPORTUNITIES"** from **15-06-2020 to 19-06-2020**.

Prof.Suriya Prakash.J
Prof.Madhushree
Prof.Nanda M B
COORDINATORS

Dr. Kamalakshi Naganna
HOD,CSE

Dr. H RamaKrishna
PRINCIPAL

SAPTHAGIRI COLLEGE OF ENGINEERING BENGALURU-57

(AFFILIATED TO VTU, BELAGAVI & APPROVED BY AICTE, NEW DELHI)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NATIONAL LEVEL ONLINE 5 DAYS FDP ON "MACHINE LEARNING AND RESEARCH OPPORTUNITIES"

CERTIFICATE OF PARTICIPATION

This is to certify that Dr/Mr/Ms/Mrs. **DEBABRATA KAR**
from **HERITAGE INSTITUTE OF TECHNOLOGY,KOLKATA**
has participated in **NATIONAL LEVEL ONLINE 5 DAYS FDP ON
"MACHINE LEARNING AND RESEARCH OPPORTUNITIES"**
from **15-06-2020 to 19-06-2020**.

Prof.Suriya Prakash.J
Prof.Madhushree
Prof.Nanda M B
COORDINATORS

Dr. Kamalakshi Naganna
HOD,CSE

Dr. H RamaKrishna
PRINCIPAL

MANGALMAY INSTITUTE OF ENGINEERING & TECHNOLOGY

Plot No. 8, Knowledge Park-II, Greater Noida, Delhi NCR

(Approved by AICTE and Affiliated to AKTU, Lucknow)

CERTIFICATE OF PARTICIPATION

This is to certify that Prof. /Dr. /Mr. /Ms. **Debabrata Kar** has Attended Faculty Development

Programme on **Data Science & AI** held on **25th May to 29th May 2020** organized by Mangalmay

Institute of Engineering & Technology, Greater Noida (U.P.)

CERTIFICATE No.: MIET/CSE/2019-20/ 904   **Date:** 29.05.2020

Dr. Yashpal Singh
Director

Prof. Harish Bhatia
Dean-Academics

JSS ACADEMY OF TECHNICAL EDUCATION NOIDA

E–CERTIFICATE

THREE DAYS INTERNATIONAL WEBINAR
ON
"QUALITATIVE RESEARCH, BLOGS WRITING AND NEURO SCIENCE IN OUTBREAK OF COVID–19"

IW2020

This is to certify that **DEBABRATA KAR** has successfully attended the three days webinar in an on-line mode on **"Qualitative Research, Blogs Writing and Neuro Science in outbreak of COVID-19"** held from 20 - 22 May, 2020, conducted by JSS Academy of Technical Education Noida organized by the Department of Computer Applications.

MS. SHIVANI DUBEY
MR. HANUMANTHA RAO
Faculty Coordinators

MR. VIKAS SINGHAL
Convener

DR. GURULINGAPPA M PATIL
Chief Convener

C-20/1 Sector-62, Noida

Website: - https://jssaten.ac.in

PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

Approved by AICTE, Permanently Affiliated to JNTUK, KAKINADA & Accredited by NAAC with "A"
Grade, Recognized by UGC under sections 2(f) & 12(b) of the UGC Act,1956. ADB Road, Surampalem,
Near Peddapuram, E.G. Dist., A.P

Learning is Supreme Deity

CERTIFICATE OF PARTICIPATION

This is to certify that

Mr Debabrata Kar

actively participated and completed

One Week online Faculty Development Program on

"ARDUINO based Low cost Data Acquisition System using Scilab"

from 8th June to 13th June 2020

This FDP was organized by Department of ECE in association with Spoken Tutorial IIT, Bombay
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT),
MHRD, Govt. of India.

Dr. D. Nagesh	Dr. S. Sambhu Prasad	Mrs. Sanchita Samant
Convenor	Principal	Training Manager, Spoken Tutorial

महात्मा गांधी अंतरराष्ट्रीय हिंदी विश्वविद्यालय, वर्धा, महाराष्ट्र

Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya
Wardha, Maharashtra

ज्ञान शांति मैत्री

MHRD
Govt. of India

शिक्षा विद्यापीठ

School of Education

पंडित मदन मोहन मालवीय राष्ट्रीय शिक्षक एवं शिक्षण मिशन (PMMMNMTT)

मानव संसाधन विकास मंत्रालय, भारत सरकार के अंतर्गत आयोजित

International Webinar / अंतरराष्ट्रीय वेबिनार

Alternative Assessment and Evaluation in Teacher Education
अध्यापक शिक्षा में वैकल्पिक आकलन एवं मूल्यांकन

(15-16 June, 2020)

प्रमाणपत्र / *Certificate*

प्रमाणित किया जाता है कि / This is to certify that

AADHAAR

691812855502

Prof./Dr./Mr./Ms./Mrs. **DEBABRATA KAR**

HERITAGE INSTITUTE OF TECHNOLOGY,MAULANA ABUL KALAM UNIVERSITY OF TECHNOLOGY,WEST BENGAL

ने शिक्षा विद्यापीठ, महात्मा गांधी अंतरराष्ट्रीय हिंदी विश्वविद्यालय, वर्धा, महाराष्ट्र द्वारा पंडित मदन मोहन मालवीय राष्ट्रीय शिक्षक एवं शिक्षण मिशन, मानव संसाधन विकास मंत्रालय, भारत सरकार के अंतर्गत अध्यापक शिक्षा में वैकल्पिक आकलन एवं मूल्यांकन विषय पर 15-16 जून, 2020 की अवधि में आयोजित अंतरराष्ट्रीय वेबिनार / ऑनलाइन संगोष्ठी में सहभागिता की।

has participated in International Webinar / Online Seminar on **Alternative Assessment and Evaluation in Teacher Education** organized by School of Education, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, Wardha, Maharashtra under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India during 15th-16th June, 2020.

Dr. Gopal Krishna Thakur
Head, Department of Education
Project Coordinator, SOE-PMMMNMTT
MGAHV (Central University), Wardha
Webinar Director

Prof. Rajaneesh Kumar Shukla
Vice Chancellor
Mahatma Gandhi Antarrashtriya Hindi
Vishwavidyalaya (Central University),
Wardha, Maharashtra

Dr.M.G.R
EDUCATIONAL AND RESEARCH INSTITUTE
(Deemed to be University)
Maduravoyal, Chennai - 600 095. Tamilnadu. India.
(An ISO 9001:2015 Certified Institution)
University with Special Autonomy Status

A
NAAC
ACCREDITED WITH GRADE

Certificate Number : MGRVLM-20050492

Date: 01-June-2020

FACULTY OF HUMANITIES AND SCIENCE
ADAYALAMPATTU PHASE -II CAMPUS
&

The Institution of Engineers (India)
TIRUVALLUR LOCAL CENTRE

A TWO - DAY e - FACULTY DEVELOPMENT PROGRAM ON
"VIRTUAL TEACHING - Learning MOODLE the Efficient way"

▶ YouTube ON AIR

Certificate of Participation

This certificate is proudly presented to

Mr. DEBABRATA KAR, ASSISTANT PROFESSOR of MASTER OF COMPUTER APPLICATIONS

HERITAGE INSTITUTE OF TECHNOLOGY

for his/her active participation in the Two - Day e - Faculty Development Program on " **VIRTUAL TEACHING - Learning MOODLE the Efficient way** " organized by the Faculty of Humanities and Science, Adayalampattu Phase - II Campus in association with The Institution of Engineers (India), Tiruvallur Local Centre on 29th May 2020 and 30th May 2020.

Dr.L. Ramesh
Dean EPA

Dr. S. Manivannan
Dean Phase - II

Dr. C.B. Palanivelu
Registrar

This is a system generated certificate.

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Certificate of Participation

Certified that MR/MRS/MS PROF. JYOTIRMOY GHOSH from HERITAGE INSTITUTE OF TECHNOLOGY , KOLKATA participated in the 4-days Online Course on Examination Reforms conducted during 22-25 April, 2020 organized by AICTE.

Dr. Neeraj Saxena
Advisor
Institutional Development Cell

Prof. Rajive Kumar
Member-Secretary
AICTE

Certificate No. AICTE/OCER/100614

2ND INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY AND APPLIED MATHEMATICS

ICITAM 2019

March 07 – March 09, 2019, Haldia, West Bengal, India.

CERTIFICATE OF PAPER PRESENTATION

This is to certify that *Mr. Dipankar Chakraborty*

of *Heritage Institute of Technology, Kolkata* has presented a paper titled *Multi-Item multi objective inventory model with both Stock-dependent demand rate and holding cost rate under imprecise environment* in the 2nd International Conference on Information Technology and Applied Mathematics- ICITAM 2019, organized by the Haldia Institute of Technology, Haldia-721657. India.

Baoding Liu
Tsinghua University,
Beijing, China.
General Chair

G.K. Park
Korea Institute of Aids
to Navigation, South Korea.
General Chair

Oscar Castillo
Tijuana Institute of
Technology, Mexico.
Program Chair

Dipak Kumar Jana
Haldia Institute of
Technology, India.
Program Chair &
Organizing Chair

CALCUTTA MATHEMATICAL SOCIETY

AE-374, SALT LAKE (SECTOR-1), KOLKATA - 700 064

In collaboration with :

THE (INDIAN) MATHEMATICS CONSORTIUM

NATIONAL LEVEL WORKSHOP ON ADVANCED MATHEMATICS

(WAM-2019)

June 13 - 22, 2019

This is to certify that ~~Professor~~ / Dr. / ~~Mr.~~ / Ms. _Samarpita Bhattacharya_ of _Heritage Institute of Technology, Kolkata._

participated in the WAM-2019 organized by the Calcutta Mathematical Society in collaboration with The (Indian) Mathematics Consortium, Pune.

We Congratulate him / her for the success.

Date : June 22, 2019
Place : Kolkata - 700 064

Dr. Koushik Ghosh
Treasurer
Calcutta Mathematical Society

Prof. Sanjib Kumar Datta
Council Member
Calcutta Mathematical Society

Prof. Arindam Bhattacharyya
Secretary
Calcutta Mathematical Society

Microsoft
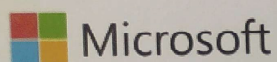
Saksham

CERTIFICATE OF PARTICIPATION

This is to certify that

Mr. /Ms. _____Jyotirmoy Ghosh_____ of

_____Heritage Institute of Technology_____ College/University

has successfully completed **SAKSHAM – IT Champion Training Program**

from ___20th Dec, 2017___ to ___21st Dec, 2017___.

Director - Education Advocacy, Microsoft

No. 1244/2017 – 2018

NATIONAL INSTITUTE OF TECHNICAL
TEACHERS' TRAINING AND RESEARCH
KOLKATA-700 106

(Established by the Ministry of Human Resource Development, Govt. of India)

Certificate

Awarded to Palash Ghosh

for having successfully completed a Short Term / In-house Training Programme on

Formal Languages and Automata

Organized by this Institute from 21. 08. 2017 *to* 25. 08. 2017 *duration* 1 Week

Dated, Kolkata
the August 25, 2017

Programme Co-ordinator (s)
NITTTR, Kolkata

Academic Co-ordinator
NITTTR, Kolkata

Director
NITTTR, Kolkata

HERITAGE INSTITUTE OF TECHNOLOGY

(A Unit of Kalyan Bharti Trust)

Department of Computer Science and Engineering

Chowbaga Road, Anandapur, Kolkata – 700107

CERTIFICATE OF PARTICIPATION

This is to certify that _Satarupa Biswas_

of _Heritage Institute of Technology (Kolkata)_

has participated in the Seminar on VLSI Algorithms (funded by **TEQIP** – II) from August 09, 2016 to August 12, 2016.

Prof. Pranay Chaudhuri	**Prof. D. C. Ray**	**Prof. Subhashis Majumder**
TEQIP Head, Principal	*TEQIP Co-ordinator*	*HOD, CSE*

HERITAGE INSTITUTE OF TECHNOLOGY

(A Unit of KALYAN BHARTI Trust) Department of Information Technology
Chowbaga Road, Anandapur, Kolkata – 700107

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. **SATARUPA BAGCHI BISWAS**
of **Information Technology Dept., Heritage Institute of Technology** has participated in the
workshop on "Big Data Analytics" (funded by TEQIP - II) from September 21ˢᵗ to September 26ᵗʰ , 2016

Prof. Pranay Chaudhuri
TEQIP Head, Principal

Prof. D.C.Ray
TEQIP Coordinator

Prof. Tapan Chakrabarti
HOD, IT

HERITAGE INSTITUTE OF TECHNOLOGY

(A Unit of Kalyan Bharti Trust)

DEPARTMENT OF INFORMATION TECHNOLOGY & DEPARTMENT OF MATHEMATICS
Chowbaga Road, Anandapur, Kolkata-700107, West Bengal, India

Certificate of Participation

Certified that Prof./Dr./Mr./Mrs. _Satarupa Bagchi Biswas_

of _Heritage Institute of Technology_

has participated in the **International Seminar on "Computational Optimization: Methods and Algorithms"** under the aegis of **Technical Education Quality Improvement Program (TEQIP – II)** held during **22-23 November, 2016** at Heritage Institute of Technology, Kolkata.

(Prof. Pranay Chaudhuri)
Principal & TEQIP – II Head,
Heritage Institute of
Technology, Kolkata

(Prof. Dulal Chandra Ray)
TEQIP – II Coordinator,
Heritage Institute
of Technology, Kolkata

(Prof. Tapan Chakrabarti)
Professor & Head, Dept.
of IT, Heritage Institute
of Technology, Kolkata

(Prof. Anindita Maitra Bhattacharyya)
Asst. Professor & Head, Dept. of
Mathematics, Heritage Institute of
Technology , Kolkata

Faculty Development Programme

The Use of MATLAB in the Field of Science & Engineering

(19th-21st September, 2016)

Organized by
Department of Mathematics,
Heritage Institute of Technology, Kolkata

Sponsored by
TEQIP-II

This is to certify that Prof./Dr./Mr./Ms. _____Dipankar Chakraborty_____ of

_____Department of Mathematics_____ attended the

Faculty Development Programme on "The Use of MATLAB in the Field of Science & Engineering" held during 19th-21st September, 2016 organized by Department of Mathematics, Heritage Institute of Technology, Kolkata.

Prof. Pranay Chaudhuri
Principal, HITK

Prof. D. C. Ray
Coordinator, TEQIP-II, HITK

Dr. Anindita Maitra Bhattacharyya
Head, Dept. of Mathematics

HERITAGE INSTITUTE OF TECHNOLOGY

(A Unit of Kalyan Bharti Trust)

DEPARTMENT OF INFORMATION TECHNOLOGY & DEPARTMENT OF MATHEMATICS
Chowbaga Road, Anandapur, Kolkata-700107, West Bengal, India

Certificate of Participation

Certified that Prof./Dr./Mr./Mrs. _Dibankar Chakraborty_

of _Heritage Institute of Technology_

has participated in the **International Seminar** on **"Computational Optimization: Methods and Algorithms"** under the aegis of **Technical Education Quality Improvement Program (TEQIP – II)** held during **22-23 November, 2016** at Heritage Institute of Technology, Kolkata.

(Prof. Pranay Chaudhuri)	(Prof. Dulal Chandra Ray)	(Prof. Tapan Chakrabarti)	(Prof. Anindita Maitra Bhattacharyya)
Principal & TEQIP – II Head,	TEQIP – II Coordinator,	Professor & Head, Dept.	Asst. Professor & Head, Dept. of
Heritage Institute of	Heritage Institute	of IT, Heritage Institute	Mathematics, Heritage Institute of
Technology, Kolkata	of Technology, Kolkata	of Technology, Kolkata	Technology , Kolkata

National Conference on Recent Advances in Science and Technology

(TEQIP-II Sponsored)

NCRAST-2016

September 27-29, 2016

Organized by : Heritage Institute of Technology, Kolkata-700107

CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms. *DIPANKAR CHAKRABORTY*

of *HIT, KOLKATA* participated/presented a

paper in the **TEQIP-II** sponsored National Conference on Recent Advances in

Scienc and Technology **(NCRAST-2016)** held at the Heritage Institute of

Technology, Kolkata, during September, 27-29, 2016.

Dated:
29th September, 2016

Prof. (Dr.) Dulal Chandra Ray
TEQIP Coordinator, HITK

Prof. (Dr.) Pranay Chaudhuri
Principal, HITK

Prof. Kalarab Ray
Convener, NCRAST-2016

Faculty Development Programme

The Use of MATLAB in the Field of Science & Engineering

(19th-21st September, 2016)

Organized by
Department of Mathematics,
Heritage Institute of Technology, Kolkata

Sponsored by
TEQIP-II

This is to certify that Prof. / Dr. / Mr. / Ms. _____Jhumpa Bhadra_____ of
_____Department of Mathematics_____ attended the
Faculty Development Programme on "The Use of MATLAB in the Field of
Science & Engineering" held during 19th-21st September, 2016 organized by
Department of Mathematics, Heritage Institute of Technology, Kolkata.

Prof. Pranay Chaudhuri
Principal, HITK

Prof. D. C. Ray
Coordinator, TEQIP-II, HITK

Dr. Anindita Maitra Bhattacharyya
Head, Dept. of Mathematics

The Asiatic Society

Founded in 1784

(An Institution of National Importance)

Ministry of Culture, Govt. of India

1, Park Street Kolkata - 700 016

This is to certify that Professor/Dr./Smt./Sri _Jhumpa Bhadra._

of _Heritage Institute of Technology._

has successfully presented/Contributed a paper/Chaired in the Two-day International Seminar on **'Cosmology, Relativity and Gravity Waves'** held on 15th-16th February 2017 at the Vidyasagar Hall of the Asiatic Society.

We appreciate her/his participation and co-operation.

Dr. Satyabrata Chakrabarti
General Secretary

Professor Rajkumar Roychoudhury
Co-ordinator of the Seminar

HERITAGE INSTITUTE OF TECHNOLOGY

(A Unit of Kalyan Bharti Trust)

DEPARTMENT OF INFORMATION TECHNOLOGY & DEPARTMENT OF MATHEMATICS
Chowbaga Road, Anandapur, Kolkata-700107, West Bengal, India

Certificate of Participation

Certified that Prof./Dr./Mr./Mrs. _Jhumpa Bhadra_

of _Heritage Institute of Technology_

has participated in the **International Seminar** on "**Computational Optimization: Methods and Algorithms**" under the aegis of **Technical Education Quality Improvement Program (TEQIP – II)** held during **22-23 November, 2016** at Heritage Institute of Technology, Kolkata.

(Prof. Pranay Chaudhuri)
Principal & TEQIP – II Head,
Heritage Institute of
Technology, Kolkata

(Prof. ...
TEQIP – II Coordinator,
Heritage Institute
of Technology, Kolkata

...
Professor & Head, Dept.
of IT, Heritage Institute
of Technology, Kolkata

Prof. Anindita Maitra Bhattacharyya)
Asst. Professor & Head, Dept. of
Mathematics, Heritage Institute of
Technology , Kolkata

International Conference on
Frontiers in Optimization: Theory and Applications
(FOTA-2016)
November 24-26, 2016

Organized by

Operational Research Society of India, Calcutta Chapter

and

Department of Mathematics, Heritage Institute of Technology, Kolkata, India

This is to certify that Prof./Dr./Mr./Ms. *Jhumpa Bhadra*

of *Department of Mathematics, Heritage Institute of Technology., Kolkata*

participated in the International Conference on Frontiers in Optimization: Theory and Applications (FOTA-2016) held during November 24-26, 2016 at Heritage Institute of Technology, Kolkata, India.

Prof. R. N. Mukherjee
General Chair, FOTA-2016

Dr. Samarjit Kar
Program Chair, FOTA-2016

Dr. Somjit Datta
Organizing Chair, FOTA-2016

National Conference on Recent Advances in Science and Technology

(TEQIP-II Sponsored)

NCRAST-2016

September 27-29, 2016

Organized by : Heritage Institute of Technology, Kolkata-700107

CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms. **JHUMPA BHADRA**

of **HIT, KOLKATA** participated/presented a

paper in the **TEQIP-II** sponsored National Conference on Recent Advances in

Scienc and Technology **(NCRAST-2016)** held at the Heritage Institute of

Technology, Kolkata, during September, 27-29, 2016.

Dated:
29ᵗʰ September, 2016

Prof. (Dr.) Dulal Chandra Ray
TEQIP Coordinator, HITK

Prof. (Dr.) Pranay Chaudhuri
Principal, HITK

Prof. Kalarab Ray
Convener, NCRAST-2016

National Conference on Recent Advances in Science and Technology

(TEQIP-II Sponsored)

NCRAST-2016

September 27-29, 2016

Organized by : Heritage Institute of Technology, Kolkata

CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms. SAMARPITA BHATTACHARYA

of HIT, KOLKATA participated/presented a

paper in the **TEQIP-II** sponsored National Conference on Recent Advances in

Scienc and Technology **(NCRAST-2016)** held at the Heritage Institute of

Technology, Kolkata, during September, 27-

Dated:
29ᵗʰ September, 2016

Prof. (Dr.) Dulal Chandra Ray
TEQIP Coordinator, HITK

Prof. (Dr.) Pranay Chaudhuri
Principal, HITK

Prof. Kalarab Ray
Convener, NCRAST-2016

Faculty Development Programme

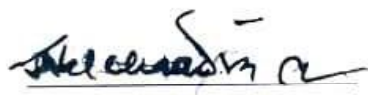# The Use of MATLAB in the Field of Science & Engineering

(19th-21st September, 2016)

Organized by
Department of Mathematics,
Heritage Institute of Technology, Kolkata

Sponsored by
TEQIP-II

This is to certify that Prof./Dr./Mr./Ms. ✓ __Samarpita Bhattacharya__ of __Department of Mathematics__ attended the Faculty Development Programme on "The Use of MATLAB in the Field of Science & Engineering" held during 19th-21st September, 2016 organized by Department of Mathematics, Heritage Institute of Technology, Kolkata.

Prof. Pranay Chaudhuri
Principal, HITK

Prof. D. C. Ray
Coordinator, TEQIP-II, HITK

Dr. Anindita Maitra Bhattacharyya
Head, Dept. of Mathematics

Faculty Development Programme

The Use of MATLAB in the Field of Science & Engineering

(19th-21st September, 2016)

Organized by
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Sponsored by
TEQIP-II

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Prof. Pranay Chaudhuri
Principal, HITK

Prof. D. C. Ray
Coordinator, TEQIP-II, HITK

Dr. Anindita Maitra Bhattacharyya
Head, Dept. of Mathematics

Faculty Development Programme
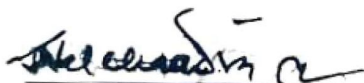
The Use of MATLAB in the Field of Science & Engineering

(19th-21st September, 2016)

Organized by
Department of Mathematics,
Heritage Institute of Technology, Kolkata

Sponsored by
TEQIP-II

This is to certify that Prof./Dr./Mr./Ms. __Moumita Pramanik,__ of __Department of Mathematics__ attended the Faculty Development Programme on "The Use of MATLAB in the Field of Science & Engineering" held during 19th-21st September, 2016 organized by Department of Mathematics, Heritage Institute of Technology, Kolkata.

Prof. Pranay Chaudhuri
Principal, HITK

Prof. D. C. Ray
Coordinator, TEQIP-II, HITK

Dr. Anindita Maitra Bhattacharyya
Head, Dept. of Mathematics

National Conference on Recent Advances in Science and Technology

(TEQIP-II Sponsored)

NCRAST-2016

September 27-29, 2016

Organized by : Heritage Institute of Technology, Kolkata-700107

CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms. **MOUMITA PRAMANIK**

of **HIT, KOLKATA** participated/presented a

paper in the TEQIP-II sponsored National Conference on Recent Advances in

Scienc and Technology **(NCRAST-2016)** held at the Heritage Institute of

Technology, Kolkata, during September, 27-29, 2016.

Dated:
29th September, 2016

Prof. (Dr.) Dulal Chandra Ray
TEQIP Coordinator, HITK

Prof. (Dr.) Pranay Chaudhuri
Principal, HITK

Prof. Kalarab Ray
Convener, NCRAST-2016

HERITAGE INSTITUTE OF TECHNOLOGY

(A Unit of Kalyan Bharti Trust)

DEPARTMENT OF INFORMATION TECHNOLOGY & DEPARTMENT OF MATHEMATICS

Chowbaga Road, Anandapur, Kolkata-700107, West Bengal, India

Certificate of Participation

Certified that Prof./Dr./Mr./Mrs. *Moumita Pramanik*

of *Heritage Institute of Technology*

has participated in the **International Seminar** on "**Computational Optimization: Methods and Algorithms**" under the aegis of **Technical Education Quality Improvement Program (TEQIP – II)** held during **22-23 November, 2016** at Heritage Institute of Technology, Kolkata.

(Prof. Pranay Chaudhuri)
Principal & TEQIP – II Head,
Heritage Institute of
Technology, Kolkata

(Prof. Dulal Chandra Ray)
TEQIP – II Coordinator,
Heritage Institute
of Technology, Kolkata

(Prof. Tapan Chakrabarti)
Professor & Head, Dept.
of IT, Heritage Institute
of Technology, Kolkata

(Prof. Anindita Maitra Bhattacharyya)
Asst. Professor & Head, Dept. of
Mathematics, Heritage Institute of
Technology , Kolkata

Faculty Development Programme on "Outcome-Based Education"

(TEQIP-II Sponsored)

FDP-2017

January 19th & 20th, 2017

Jointly Organized by :

**Department of Chemical Engineering, Heritage Institute of Technology, Kolkata-700107 &
Center for Education Technology, IIT Kharagpur**

CERTIFICATE

This is to certify that Prof. | Dr. | Mr. | Ms. ...... **Anirban kundu** ....

of .... **MCA** .... participated in the **TEQIP-II** sponsored Faculty Development Programme on "Outcome-Based Education" held at the Heritage Institute of Technology, Kolkata, during January, **19-20, 2017.**

Prof. (Dr.) Anupam Basu
Chairman & Head
Centre for Educational Technology, IIT KGP

Prof. (Dr.) Dulal Chandra Ray
TEQIP Coordinator, HITK

Prof. (Dr.) Sulgna Chatterjee
HOD, Chemical Engineering, HITK

Prof. (Dr.) Alok Kumar Sen
Convener

Prof. Abhyuday Mallick
Convener

Dated :
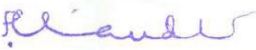20th January, 2017, Kolkata

Heritage Institute of Technology, Kolkata

Faculty Development Programme on 'Python Programming and Its Applications'

Organized by

Department of Applied Electronics and Instrumentation Engineering, HITK

Funded by

TEQIP II, HITK

Certificate

This is to certify that ....*Anirban Kundu*.................................. has participated in 7 day Faculty Development Programme on *'Python Programming and Its Applications'* held in the Department of Applied Electronics and Instrumentation Engineering, Heritage Institute of Technology, Kolkata from 9 to 23 September, 2016.

Prof. Pranay Chaudhuri
Principal & TEQIP Head

Prof. D.C.Ray
TEQIP Coordinator

Prof. Madhurima Chattopadhyay
Head, Dept. of AEIE

Samiul Alam
Coordinator, Dept. of AEIE

HERITAGE INSTITUTE OF TECHNOLOGY

(A Unit of KALYAN BHARTI Trust) Department of Information Technology
Chowbaga Road, Anandapur, Kolkata – 700107

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms., _____ANIRBAN KUNDU_____

of _____Computer Application Centre, Heritage Institute of Technology_____ has participated in the

workshop on "Big Data Analytics" (funded by TEQIP-II) from September 21ˢᵗ to September 26ᵗʰ, 2016

Prof. Pranay Chaudhuri
TEQIP Head, Principal

Prof. D.C.Ray
TEQIP Coordinator

Prof. Tapan Chakrabarti
HOD, IT

TEQIP II SPONSORED WORKSHOP ON
NUMERICAL METHODS AND APPLICATION OF SOFTWARE IN ENGINEERING

Organized by

Department of civil engineering
Heritage Institute of Technology, Kolkata

09th to 16th September, 2016

This is to certify that Ms/ Mr............*Jyotirmoy Ghosh*........................... of Heritage Institute of Technology, Kolkata has successfully participated in the TEQIP II Sponsored Workshop on *"Numerical Methods & Application of Software in Engineering"* organized by Department of Civil Engineering, Heritage Institute of Technology, Kolkata.
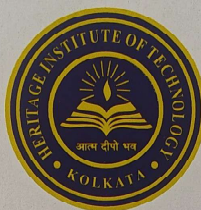
Dated 16th September, 2016
HITK, Kolkata

Mr. R. P. Roychowdhury
Co-Coordinator
Workshop

Ms. Arpita Suchismita
Co-Coordinator
Workshop

Dr. Sarmila Sahoo
Coordinator
Workshop

Prof. D C Ray
TEQIP Coordinator
HITK

HERITAGE INSTITUTE OF TECHNOLOGY

(A Unit of KALYAN BHARTI Trust) Department of Information Technology
Chowbaga Road, Anandapur, Kolkata – 700107

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. _JYOTIRMOY GHOSH_

of _Computer Application Centre , Heritage Institute of Technology_ has participated in the

workshop on "Big Data Analytics" (funded by TEQIP-II) from September 21ˢᵗ to September 26ᵗʰ, 2016

Prof. Pranay Chaudhuri
TEQIP Head, Principal

Prof. D.C.Ray
TEQIP Coordinator

Prof. Tapan Chakrabarti
HOD, IT

HERITAGE INSTITUTE OF TECHNOLOGY

(A Unit of KALYAN BHARTI Trust) Department of Information Technology
Chowbaga Road, Anandapur, Kolkata – 700107

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. _____PALASH GHOSH_____

of _Computer Application Centre , Heritage Institute of Technology_ has participated in the

workshop on "Big Data Analytics" (funded by TEQIP-II) from September 21ˢᵗ to September 26ᵗʰ, 2016

Prof. Pranay Chaudhuri
TEQIP Head, Principal

Prof. D.C.Ray
TEQIP Coordinator

Prof. Tapan Chakrabarti
HOD, IT

TEQIP II SPONSORED WORKSHOP ON
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IN ENGINEERING

Organized by

Department of civil engineering
Heritage Institute of Technology, Kolkata

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This is to certify that Ms/ Mr......*Palash Ghosh*.. of
Heritage Institute of Technology, Kolkata has successfully participated in the TEQIP II
Sponsored Workshop on "*Numerical Methods & Application of Software in Engineering*"
organized by Department of Civil Engineering, Heritage Institute of Technology,
Kolkata.

Dated 16th September, 2016
HITK, Kolkata

R.P. Roychowdhury
Mr. R. P. Roychowdhury
Co-Coordinator
Workshop

Ms. Arpita Suchismita
Co-Coordinator
Workshop

S. Sahoo
Dr. Sarmila Sahoo
Coordinator
Workshop

Prof. D C Ray
TEQIP Coordinator
HITK

National Conference on Recent Advances in Science and Technology

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NCRAST-2016

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TEQIP Coordinator, HITK

Prof. (Dr.) Pranay Chaudhuri
Principal, HITK

Prof. Kalarab Ray
Convener, NCRAST-2016

Faculty Development Programme

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Sponsored by

TEQIP-II

This is to certify that Prof./Dr./Mr./Ms. _____Palash Ghosh_____ of

_____Computer Application Centre_____ attended the

Faculty Development Programme on "The Use of MATLAB in the Field of Science & Engineering" held during 19th-21st September, 2016 organized by Department of Mathematics, Heritage Institute of Technology, Kolkata.

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