



IQAC Cluster India
www.iqacclusterindia.org

CERTIFICATE AT PROFESSIONAL LEVEL

WhiteCode
Organizing Partner
www.whitecodes.in

Awarded To

Dr. Vartika Mathur

Sri Venkateswara College

for successfully completing two months Course on
"Effective Documentation for Accreditation"

with

○

Grade

organized by "IQAC Cluster India" in collaboration with "WhiteCode"
from 15 Sept 2020 to 10 Nov 2020.

*The candidate has achieved the required standard in the areas of every documentation needed for the
organization and for the purposes of accreditation*

Patil

DR. R. M. PATIL

Retd. Associate Professor
H. V. Desai College, Pune

Certificate ID: WI5957

Pahade

PROF. PEEYUSH PAHADE

Co-Founder
IQAC Cluster India

Grades: 80%+ O (Outstanding) | 70 - 79% A (Excellent) | 55 - 69% B (Good) | 40 - 54% C (Fair) | Below 40 D (Fail)

C. Sheila Reddy
PRINCIPAL
Sri Venkateswara College
Dhula Kuan, New Delhi-110021



Under the aegis of Ministry of Education
Department of Commerce & IQAC, Sri Venkateswara College
University of Delhi
In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College



This is to certify that

Dr. N. Latha, Associate Professor & IQAC Coordinator

of

Sri Venkateswara College , University of Delhi

successfully completed One Week FDP on
"HIGHER EDUCATION: ROAD AHEAD DEVELOPING NEXT GENERATION
ACADEMIC LEADERS"
held from November 25- December 01, 2020 and obtained a
grade **A+**



[Blockchain Hash: 0x7ec0857a9de4df1c3f00e27290c919daf17a5186f652392da55a9abe4241a040b](#)

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

Dr S. Venkata Kumar
Principal
Sri Venkateswara College

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

दौलत राम कॉलेज

(दिल्ली विश्वविद्यालय)

4, पटेल मार्ग, मौरिस नगर, दिल्ली-110007

फोन: 27667863 फैक्स: 27668990

ईमेल : daulatramcollegedu@gmail.com

वेबसाइट : www.dr.du.ac.in



Daulat Ram College
(UNIVERSITY OF DELHI)

4, PATEL MARG, MAURICE NAGAR,
DELHI-110007

PHONE : 27667863 FAX : 27668990

Email : daulatramcollegedu@gmail.com,

Website : www.dr.du.ac.in

A Star Status by G.O.I & NAAC Accredited 'A' Grade College

DRC/83-CM/2020/

25th August, 2020

Dr. Arpita Kaul
Assistant Professor
Commerce Department
Sri Venkateshwara College
University of Delhi

Subject: Letter of Appreciation

Dear Dr. Arpita Kaul,

We wish to express our appreciation and convey our gratitude to you for acting as **Resource Person** for Faculty Development Programme on "Google Classroom & Google Meet" successfully organised by the Commerce Department on 1st August, 2020(Saturday) from 10.30 am-12.30 pm at Google Meet Platform.

The participants of E-FDP found your sessions highly informative and enriching. The content covered is valuable for online teaching-learning process. Your mode of instruction was learner friendly and you patiently clarified all queries of participants. Your clear explanation of topics like Google Classroom & Google Meet was much appreciated and well received by the participants.

We wish you success for all your future endeavours

Sushma Arora
Webinar Convenor

Dr. Savita Roy
Principal

PRINCIPAL
Sri Venkateswara College
Dhula Kuan, New Delhi-110021



Guru Angad Dev
Teaching Learning Centre
A Centre of Ministry of Education
Under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Sri Guru Tegh Bahadur
Khalsa College
University of Delhi

Certificate

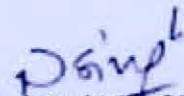
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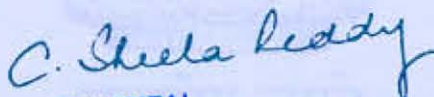
GAD-TLC/2020-21/WKP8/054

This is to certify that

DR NIMISHA SINHA, SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

has participated in **One Day Online National Workshop** entitled **"Flipped Learning Approach: A Novel ICT-Empowered Pedagogy for 21st Century Learning Needs"** organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) of MoE on 26th November 2020 (This is equivalent to a regular National Workshop).


Dr. Jaswinder Singh
Principal, S.G.T.B. Khalsa College


PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021


Dr. Vimal Rani
Project Head & Joint Director

www.tlckhalsa.in



Guru Angad Dev
Teaching Learning Centre
A Centre of MoE
under PMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Maitreyi College
University of Delhi

Certificate

15th December 2020 to 21st December 2020
FACULTY DEVELOPMENT PROGRAM

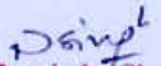
On

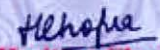
Digital Pedagogy to Enhance Teaching and Learning Experience

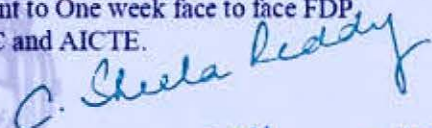
This is to certify that

MR. AMARJEET SINGH, DEPARTMENT OF ZOOLOGY, SRI VENKATESWARA COLLEGE

has **successfully completed** One Week National Online Faculty Development Program jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) of Ministry of Education (MoE) and Maitreyi College, University of Delhi, New Delhi. This was conducted in online mode with One Week commitment through Live Sessions, Quizzes, Project and Assessment. This Online FDP is equivalent to One week face to face FDP. The participant has obtained GRADE A as required for promotion under CAS of UGC and AICTE.


Dr. Jaswinder Singh
Principal
S.G.T.B. Khalsa College
University of Delhi


Dr. Haritima Chopra
Principal
Maitreyi College
University of Delhi


PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021


Dr. Vimal Rarh
National Coordinator
GAD-TLC of MoE

UNIQUE CERTIFICATE No: GAD-TLC/2020-21/OFDP31/015

राष्ट्रीय शैक्षिक अनुसंधान
और प्रशिक्षण परिषद्



NATIONAL COUNCIL OF EDUCATIONAL
RESEARCH AND TRAINING

Fax: 011-26864875

E-mail: ppmedncert@gmail.com

F. No. 21.05/2020-21/PMD/Online Course
PLANNING AND MONITORING DIVISION

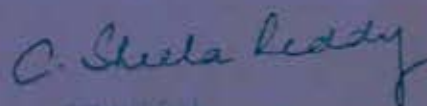
Dr. Ashita Raveendran
Course Coordinator

CERTIFICATE

This is to certify that *Dr. Krishna Kumar*, Assistant Professor, Sri Venkateswara College, University of Delhi, New Delhi has conducted a session on the '*Instruments of Monetary Policy*' in virtual mode as a Resource Person in the Online Course on Instructional Strategies for Mathematics and Statistics in Economics organized by Planning and Monitoring Division (PMD), NCERT at NIE New Delhi on 25th March, 2021. The session received an excellent feedback from the participants of the course.


(Ashita Raveendran)

Dr. Krishna Kumar
Assistant Professor
Sri Venkateswara College
University of Delhi
110021


PRINCIPAL
Sri Venkateswara College
Dhula Kuan, New Delhi-110021



Guru Angad Dev
Teaching Learning Centre
A Centre of MHRD
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Human Resource
Development



Sri Guru Tegh Bahadur
Khalsa College
University of Delhi

Certificate

S.No:

GAD-TLC/2020-21/WEB26/59

This is to certify that

DR SHEFALI SHUKLA , SRI VENKATESWARA COLLEGE

has participated in One Day National Webinar entitled **"HOW TO CONDUCT ONLINE TEACHING-LEARNING IN COVID TIMES?"** organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD on 22nd July 2020. (This is equivalent to a regular National Seminar).

-sd-

Dr. Vimal Rath

Project Head & Joint Director

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

(This is a computer generated certificate. No signature is required)

www.tlckhalsa.in



Guru Angad Dev
Teaching Learning Centre
A Centre of MoE
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Christ College (Autonomous)
Irinjalakuda

Certificate

3rd November 2020 to 09th November 2020

FACULTY DEVELOPMENT PROGRAM

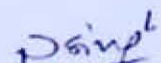
On

Quality Science Education in India in the 21st Century

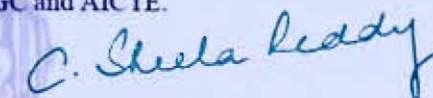
This is to certify that

DR. RAVINDRA VARMA POLISETTY, SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

has **successfully completed** One Week National Online Faculty Development Program jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education (MoE) and Christ College (Autonomous), Irinjalakuda, Kerala. This was conducted in online mode with full One Week commitment through Live Sessions, Quizzes, Project and Assessment. This Online FDP is equivalent to One week face to face FDP. The participant has obtained GRADE A+ as required for promotion under CAS of UGC and AICTE.


Dr. Jaswinder Singh
Principal
S.G.T.B. Khalsa College
University of Delhi


Dr. Fr. Jolly Andrews CMI
Principal
Christ College (Autonomous)
Irinjalakuda


PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021


Dr. Vimal Rarh
National Coordinator
GAD-TLC of MoE

UNIQUE CERTIFICATE No: GAD-TLC/2020-21/OFDP27/FDP135



Under the aegis of Ministry of Education
Department of Commerce & IQAC, Sri Venkateswara College
University of Delhi
In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College



This is to certify that

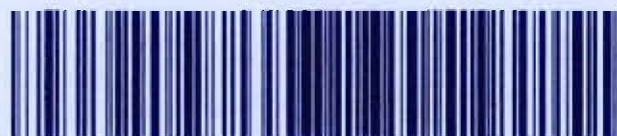
Dr. Sarika Yadav, Assistant Professor

of

Sri Venkateswara College, University of Delhi

successfully completed One Week FDP on
"HIGHER EDUCATION: ROAD AHEAD DEVELOPING NEXT GENERATION
ACADEMIC LEADERS"

*held from November 25- December 01, 2020 and obtained a
grade A+*



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S.P. Aggarwal

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

C. Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. S. Venkata Kumar

Dr S. Venkata Kumar
Principal
Sri Venkateswara College



Guru Angad Dev
Teaching Learning Centre
A Centre of MHRD
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Human Resource Development



S.G.T.B. Khalsa College,
University of Delhi

Certificate

ONE WEEK FACULTY DEVELOPMENT PROGRAM
30th June 2020 - 4th July 2020

Development and Management of MOOCs and Online Courses using LMS - Moodle

This is to certify that

Pragya Gahlot, Sri Venkateswara College, University of Delhi

has **successfully completed** One Week Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD. This was conducted in online mode with full week's participation through live session attendance, quizzes, project and Assessment. This is equivalent to one week face to face FDP.

The participant has obtained GRADE "A+" as required for promotion under CAS of UGC and AICTE.

-sd-

Dr Vimal Rarh
National Coordinator
GAD TLC of MHRD

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

-sd-

Dr Jaswinder Singh
Principal

S.G.T.B. Khalsa College, University of Delhi

(This is a computer generated certificate. No signature is required)

UNIQUE CERTIFICATE No: GAD-TLC/2020-21/OFDP8/8175



Ministry of Human Resource Development
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

Teaching Learning Centre

Ramanujan College

University of Delhi

And

Motilal Nehru College (E)

University of Delhi

Certificate

This is to certify that

Dr. Om Prakash

of

Zoology Department, Sri Venkateswara College, DU

successfully completed Two Week Online Faculty Development Programme on
"Learning Advanced E-tools for MOOCs Development & Research"

September 7 - September 14, 2020

and obtained grade A+



Dr. S.P. AGGARWAL
(Principal)
Director, TLC
Ramanujan College

Dr. Vichitra
Principal
Motilal Nehru College (E)

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



Ministry of Human Resource Development
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

Teaching Learning Centre

Ramanujan College

University of Delhi

And

Motilal Nehru College (E)

University of Delhi

Certificate

This is to certify that

Dr Arvind Kumar Meena

of

Department of Hindi , Sri Venkateswara College , D.U

successfully completed Two Week Online Faculty Development Programme on
"Learning Advanced E-tools for MOOCs Development & Research"

September 1 - September 14, 2020

and obtained grade A+



C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Delhi Kuan, New Delhi-110021

S.P. Aggarwal

Dr. S.P. AGGARWAL
(Principal)
Director, TLC
Ramanujan College

meena

Vichitra

Dr. Vichitra
Principal
Motilal Nehru College (E)



heartfulness
unity weaves destiny

Yoga for Unity and Well-being

Latha Narayanan

has participated in the 'Yoga for Unity and Well-being',
100 days of Yoga program, March 14 to June 21 towards
the **International Day of Yoga 2021**.

Dr. I.V. Basavareddi
Dr. I.V. Basavareddi
Director, Ministry of Health
National Institute of Yoga
Ministry of Ayush, India

Rajiv Chandran
Rajiv Chandran
Officer-in-Charge
UN Information Centre
for India and Bhutan

Pankaj Mittal
Dr. Pankaj Mittal
Secretary General
Association of
Indian Universities

Kamlesh Patel
Kamlesh Patel
Heartfulness Guide,
Kanha Shanti Vanam
Hyderabad

YogRishi Swami
YogRishi Swami
Ramdev Ji Maharaj
President, Patanjali Yogpeeth,
Haridwar

C. Shela Reddy
C. Shela Reddy
PRINCIPAL
Dr. H.R. Nagendra
Sri Venkateswara College
Chaula Kuan, New Delhi-110021
Founder, Chancellor, SVYASA
deemed to be University,
Bangalore



Teaching Learning Centre, Ramanujan College
University of Delhi

under the aegis of
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING



This is to certify that

Dr. Rekha Yadav

of

Sri Venkateswara College, University of Delhi

successfully completed a 2-Week Faculty Development Programme on
"RESEARCH METHODOLOGY"
from October 01- October 15, 2020 and obtained a
grade **A+**



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Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Mr. Sahil Pathak
Convenor
Ramanujan College



DEPARTMENT OF ELECTRONICS
SRI AUROBINDO COLLEGE
— UNIVERSITY OF DELHI —



FDP cum WORKSHOP

ARTIFICIAL INTELLIGENCE-2021

2nd - 6th April 2021

Certificate of completion

This is to certify that Ms. Shubhra Gupta of
Sri Venkateswara College, University of Delhi has successfully completed 5-days FDP cum
workshop on Artificial Intelligence conducted by Department of Electronics, Sri Aurobindo
College, University of Delhi.

DR. MANJU PRUTHI
(CONVENER)



Brain Mentors Pvt. Ltd.
We Develop IT Skills

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021
DR. VIPIN KUMAR AGGARWAL
(PRINCIPAL)



DEPARTMENT OF ELECTRONICS

SRI AUROBINDO COLLEGE

— UNIVERSITY OF DELHI —



FDP cum WORKSHOP

ARTIFICIAL INTELLIGENCE-2021

2nd - 6th April 2021

Certificate of completion

This is to certify that Dr. Sunita Jain of

Sri Venkateswara College, University of Delhi has successfully completed 5-days FDP cum workshop on Artificial Intelligence conducted by Department of Electronics, Sri Aurobindo College, University of Delhi.


DR. MANJU PRUTHI
CHAIRMAN




DR. VINAY KUMAR GARGWAL
(PRINCIPAL)

PRINCIPAL
Sri Venkateswara College
Deshbandhu Nagar, New Delhi-110021

No:ATAL/2021/1621533873



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

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

AICTE Training And Learning (ATAL) Academy

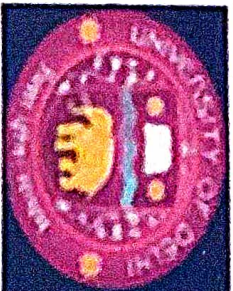
Certificate

This is certified that **Shubhra Gupta, Assistant Professor** of **Sri Venkateswara College, University of Delhi** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Elementary FDP** on "**Educational Technology – Integration and Interaction**" from **2021-6-6 to 2021-6-10** at **ALIGARH MUSLIM UNIVERSITY CENTRE, MALAPPURAM.**

Director ATAL Academies



PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021
Coordinator



DEPARTMENT OF ELECTRONICS
SRI AUROBINDO COLLEGE
— UNIVERSITY OF DELHI —



FDP cum WORKSHOP

ARTIFICIAL INTELLIGENCE-2021

2nd - 6th April 2021

Certificate of completion

This is to certify that Dr. Nutan Kala Joshi of

Sri Venkateswara College, University of Delhi has successfully completed 5-days FDP cum workshop on Artificial Intelligence conducted by Department of Electronics, Sri Aurobindo College, University of Delhi.

C. Shula Reddy
PRINCIPAL

DR. MANJU PRUTHI

(COORDINATOR)

Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021



Vijay

DR. VIJAY KUMAR AGGARWAL
(PRINCIPAL)

NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH

(An autonomous Institute under the aegis of Ministry of Education, GoI)

Tadepalligudem, West Godavari (Dt.), Andhra Pradesh - 534101.

Department of Mathematics, School of Sciences

One-week Online Faculty Development Programme

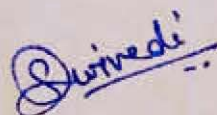
on

Recent trends In PDEs: Theory & Computations

During November 2-6, 2020

Certificate of Participation

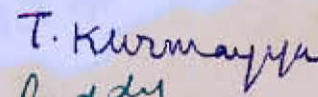
This is to certify that Mr. Amit Kumar from Sri Venkateswara college, Delhi University, has participated in one-week online Faculty Development Programme on "Recent trends in PDEs: Theory & Computations" organized by the Department of Mathematics, School of Sciences, NIT Andhra Pradesh, during November 2-6, 2020.



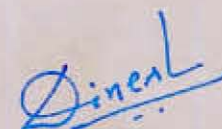
Dr. Sharad Dwivedi
FDP Coordinator
Dept. of Mathematics(SoS)
NIT Andhra Pradesh



Dr. Sudarshan Dhua
FDP Coordinator
Dept. of Mathematics(SoS)
NIT Andhra Pradesh



Dr. T. Kurmayya
Head
School of Sciences
NIT Andhra Pradesh



Dr. P Dinesh Sankar Reddy
Dean, Faculty Welfare
NIT Andhra Pradesh



DEEN DAYAL UPADHYAYA COLLEGE (UNIVERSITY OF DELHI)

in association with **K.T.H.M. COLLEGE, NASHIK**

National One Week Online Faculty Training Program

under **Internal Quality Assurance Cell & DBT Star College Program**

3rd – 10th August, 2020

PEDAGOGICAL TRAINING FOR EFFECTIVE ONLINE TEACHING & LEARNING



CERTIFICATE OF COMPLETION

This is to certify that **DR NEHA VERMA** from

SRI VENKATESWARA COLLEGE

successfully completed the National One Week Online Faculty Training Program on
"Pedagogical Training for Effective Online Teaching & Learning" organized by DEEN
DAYAL UPADHYAYA COLLEGE (University of Delhi) & K. T. H. M. COLLEGE, NASHIK under
Internal Quality Assurance Cell & DBT Star College Program from 3rd to 10th August,
2020.



FTP052

Dr. Shailly Anand
Convenor

Dr. Renu Solanki
Convenor

Dr. Manoj Saxena
Coordinator - IQAC

Dr. H. C. Jain
Principal

C. Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. Kalpesh Amrutkar
Convenor

Dr. N. D. Gaikwad
Coordinator - IQAC

Dr. V. B. Gaikwad
Principal

Deen Dayal Upadhyaya College (University of Delhi, Delhi)

K. T. H. M College (Nashik, Maharashtra)



DEEN DAYAL UPADHYAYA COLLEGE (UNIVERSITY OF DELHI)

in association with **K.T.H.M. COLLEGE, NASHIK**

National One Week Online Faculty Training Program

under Internal Quality Assurance Cell & DBT Star College Program

3rd – 10th August, 2020

PEDAGOGICAL TRAINING FOR EFFECTIVE ONLINE TEACHING & LEARNING



CERTIFICATE OF COMPLETION

This is to certify that **HARI SINGH**..... from

SRI VENKATESWARA COLLEGE

.....
successfully completed the National One Week Online Faculty Training Program on
"Pedagogical Training for Effective Online Teaching & Learning" organized by DEEN
DAYAL UPADHYAYA COLLEGE (University of Delhi) & K. T. H. M. COLLEGE, NASHIK under
Internal Quality Assurance Cell & DBT Star College Program from 3rd to 10th August,
2020.



FTP237

Dr. Shailly Anand
Convenor

Dr. Renu Solanki
Convenor

Dr. Manoj Saxena
Coordinator - IQAC

Dr. H. C. Jain
Principal

C. Sheila Reddy
PRINCIPAL
Sri Venkateswara College
Dhola Kuan, New Delhi-110021

Dr. Kalpesh Amrutkar
Convenor

Dr. N. D. Gaikwad
Coordinator - IQAC

Dr. V. B. Gaikwad
Principal

Deen Dayal Upadhyaya College (University of Delhi, Delhi)

K. T. H. M College (Nashik, Maharashtra)



DEEN DAYAL UPADHYAYA COLLEGE (UNIVERSITY OF DELHI)

in association with **K.T.H.M. COLLEGE, NASHIK**

National One Week Online Faculty Training Program
under Internal Quality Assurance Cell & DBT Star College Program
3rd - 10th August, 2020



PEDAGOGICAL TRAINING FOR EFFECTIVE ONLINE TEACHING & LEARNING

CERTIFICATE OF COMPLETION

This is to certify that **P. JAYARAJ** from
SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

successfully completed the National One Week Online Faculty Training Program on
"Pedagogical Training for Effective Online Teaching & Learning" organized by DEEN
DAYAL UPADHYAYA COLLEGE (University of Delhi) & K. T. H. M. COLLEGE, NASHIK under
Internal Quality Assurance Cell & DBT Star College Program from 3rd to 10th August,
2020.



FTP324

Dr. Shailly Anand
Convenor

Dr. Renu Solanki
Convenor

Dr. Manoj Saxena
Coordinator - IQAC

Dr. H. C. Jain
Principal

Dr. Kalpesh Amrutkar
Convenor

Dr. N. D. Gaikwad
Coordinator - IQAC

Dr. V. B. Gaikwad
Principal

PRINCIPAL

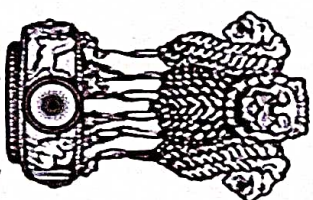
Deen Dayal Upadhyaya College (University of Delhi, Delhi)

K. T. H. M College (Nashik, Maharashtra)

Sri Venkateswara College
Bhagya Kuan, New Delhi-110021



Guru Angad Dev
Teaching Learning Centre
A Centre of MoE
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Christ College (Autonomous)
Irinjalakuda

Certificate

3rd November 2020 to 09th November 2020
FACULTY DEVELOPMENT PROGRAM

On

Quality Science Education in India in the 21st Century

This is to certify that

DR. KAMESWARA SHARMA Y.V.R., SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

has successfully completed One Week National Online Faculty Development Program jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education (MoE) and Christ College (Autonomous), Irinjalakuda, Kerala. This was conducted in online mode with full One Week commitment through Live Sessions, Quizzes, Project and Assessment. This Online FDP is equivalent to One week face to face FDP. The participant has obtained GRADE A+ as required for promotion under CAS of UGC and AICTE.

Dr. Jaswinder Singh
Principal
SGTB Khalsa College
University of Delhi

C. Shela Ledy
Principal
Christ College (Autonomous)
Irinjalakuda

Dr. Vimal Karth
National Coordinator
GAD-TLC of NIOE

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

UNIQUE CERTIFICATE No: GAD-TLC/2020-21/OEDP27/FDP072

Karpaga Vinayaga College of Engineering & Technology

Madhuranthagam (TK), Chengalpattu (DT), Tamil Nadu, India



Department of Automobile Engineering, IQAC and R&D Cell

National Level online FDP on

Advanced Technologies in Automotive system – ATAS'21

Certificate of Participation

*This is to certify that **Dr. ANANT PANDEY** has participated in National level online Faculty Development Programme on “**Advanced Technologies in Automotive system - ATAS'21**” held from 4th Jan - 9th Jan 2021. He/she has successfully completed the programme.*

C. Sheila Reddy
PRINCIPAL
Sri Venkateswara College
Dhula Kuan, New Delhi-110021



Note: This Certificate not required any signature since it is computer generated.



CERTIFICATE



Five Days Training for College Teachers
On

“Recent Advances in Inorganic Chemistry”

This is to certify that

Dr. Rekha Yadav

has participated in Five Days Training for College Teachers on “Recent Advances in Inorganic Chemistry” jointly organized by Department of Chemistry, School of Physical Sciences, & Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), School of Education, Central University of Kerala (CUK), Kasaragod 671320, from 05.03.2021 to 09.03.2021

Prof. (Dr.) M. R. Prathapachandra Kurup,
Convener -RAIIC
DEAN-School of Physical Sciences,
Department of Chemistry, CUK
Kasaragod, Kerala

Prof. (Dr.) A. Sakthivel,
Co-Convener-RAIIC
Head, Department of
Chemistry, SPS, CUK
Kasaragod, Kerala

Dr. M. Bhagiyalakshmi
Organising Secretary -RAIIC
Department of Chemistry,
SPS, CUK Kasaragod,
Kerala

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

Prof. (Dr.) Amruth G Kumar
Project Head, PMMMNMTT
School of Education,
CUK Kasaragod,
Kerala



Teaching Learning Centre, Ramanujan College
University of Delhi

under the aegis of
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING



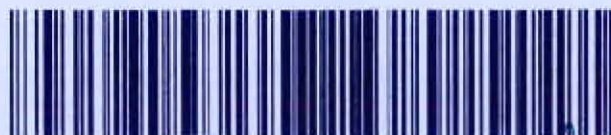
This is to certify that

Dr. Ravindra Varma Polisetty

of

**Department of Biochemistry, Sri Venkateswara College, University of
Delhi, Dhaula Kuan, New Delhi**

successfully completed one Week Faculty Development Programme on
"SYSTEMATIC LITERATURE REVIEW AND META - ANALYSIS"
from December 07- December 13, 2020 and obtained a
grade **A+**



Blockchain Hash: [0xc032c66a5ad85fda77ba28585de136b6239052b3f0a4ab5e63d44540e72ee5c](#)

Dr. S.P. AGGARWAL
(Principal)

PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

Mr. Sahil Pathak
(Convenor)



Teaching Learning Centre, Ramanujan College
University of Delhi

under the aegis of
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING



This is to certify that

Dr. Kameswara Sharma YVR

of

**Department of Biochemistry, Sri Venkateswara College, University of
Delhi**

successfully completed one Week Faculty Development Programme on
"SYSTEMATIC LITERATURE REVIEW AND META - ANALYSIS"
from December 07- December 13, 2020 and obtained a
grade **A+**



Blockchain Hash: 0xbbb47a67570c6a4d90581587dc79ad2e8166a0b2f53c9102241d8716b8a80e7

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

S.P. Aggarwal

Dr. S.P. AGGARWAL
(Principal)

Mr. Sahil Pathak

Mr. Sahil Pathak
(Convenor)



SHARDA
UNIVERSITY
Beyond Boundaries

**SCHOOL OF
BUSINESS
STUDIES**

CERTIFICATE
of Participation

One-Week Faculty Development Program on
ADVANCED TIME SERIES ANALYSIS (March 8 -13, 2021)

This is to certify that

Dr./Mr./Ms. Simranjeet Kaur

of Sri Venkateswara College

has participated in one week FDP on

*"Advanced Time Series Analysis" organized by School of Business Studies,
Sharda University, Greater Noida*

Prof. Subir R. Das

Dean

Prof. Raj K. Kovid

Chair – Research

Prof. Anup K. Srivastava

Convenor

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



**Mahatma Hansraj
Faculty Development Centre**

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)



सत्यमेव जयते
Ministry of Education
Government of India

Certificate

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

Sindhmani Bag

from

Sri Venkateswara College, University of Delhi

has successfully completed

One week (Online) Interdisciplinary Faculty Development Programme on

"Intellectual Property Rights"

(10th February - 17th February, 2021)

organised by

IQAC, Hansraj College, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi

Dr. Jyoti Bhola
Coordinator, MHRFDC

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Prof. Rama
Chairperson, MHRFDC



**Mahatma Hansraj
Faculty Development Centre**

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)



सत्यमेव जयते
Ministry of Education
Government of India

Certificate

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

Ajit Singh

from

Sri Venkateswara College, University Of Delhi

has successfully completed

*One week (Online) Interdisciplinary Faculty Development Programme on
"Intellectual Property Rights"*

(10th February - 17th February, 2021)

organised by

IQAC, Hansraj College, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi

Dr. Jyoti Bhola
Coordinator, MHRFDC

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Prof. Rama
Chairperson, MHRFDC



Spoken Tutorial

Certificate of Participation



NATIONAL MISSION ON
TEACHERS AND TEACHING

This is to certify that **DR. LALITA JOSYULA** has participated in **Faculty Development Programme** from **2020-08-10** to **2020-08-14** on **Python 3.4.3** organized by **Rajdhani College New Delhi** with course material provided by Spoken Tutorial Project, IIT Bombay.

This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Prof. Kannan M Moudgal
IIT Bombay



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



This is to certify that

Mr. Aashish Jain

of

Sri Venkateswara College, University of Delhi

successfully completed a 4-Week Induction/Orientation Programme for
"Faculty in Universities/Colleges/Institutes of Higher Education"
from December 10, 2020 - Jan 08, 2021 and obtained
grade A



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C. Sheila Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

S.P. Aggarwal

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

आलोक रंजन पांडेय

Dr. Alok Ranjan Pandey
Programme Director
Ramanujan College



Teaching Learning Centre, Ramakrishna College
University of Delhi

Under the aegis of
MINISTRY OF EDUCATION
GOVERNMENT OF INDIA
MINISTRY OF HIGHER SECONDARY EDUCATION
UNIVERSITY OF DELHI

This is to certify that

Dr. Neha Singh

of

Department of Commerce, Sri Venkateswara College, University of Delhi

has successfully completed a 4-week induction/orientation programme for
Faculty in Universities/Colleges/Institutes of Higher Education
from December 10, 2020 to 19, 2021 and obtained
grade A+



Dr. S.P. AGGARWAL
Director, TLE
Principal, Ramakrishna College

PRINCIPAL
Sri Venkateswara College
Dharmapuri, New Delhi-110021

Dr. Anil Kumar Pandey
Principal, Sector
Ramakrishna College



Ministry of Human Resource Development
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

Teaching Learning Centre

Ramanujan College

University of Delhi

And

Motilal Nehru College (E)

University of Delhi

Certificate

This is to certify that

Dr. Kameswara Sharma YVR

of

Department of Biochemistry, Sri Venkateswara College,
University of Delhi

successfully completed Two Week Online Faculty Development Programme on
"Learning Advanced E-tools for MOOCs Development & Research"

September 1 - September 14, 2020

and obtained grade **A+**



Dr. S.P. AGGARWAL
(Principal)
Director, TLC
Ramanujan College

Dr. Vichitra
Principal
Motilal Nehru College (E)

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

**FACULTY DEVELOPMENT PROGRAME
ON RESEARCH METHODOLOGY**

Organised by

FACULTY DEVELOPMENT CENTRE, MIZORAM UNIVERSITY AIZAWL



Certificate

This is to Certify that

Mrs. **SARIKA YADAV, SRI VENKATESWARA COLLEGE, UNIVERSITY OF
DELHI** has participated in the Faculty Development Programme on Research
Methodology during October 1-7, 2020.

Prof. Lokanath Mishra

Director, FDC

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

**FACULTY DEVELOPMENT PROGRAMME
ON RESEARCH METHODOLOGY**

Organised by

FACULTY DEVELOPMENT CENTRE, MIZORAM UNIVERSITY AIZAWL



Certificate

This is to Certify that

**Mrs. NITIKA KAUSHAL, SRI VENKATESWARA COLLEGE, UNIVERSITY
OF DELHI** has participated in the Faculty Development Programme on
Research Methodology during October 1-7, 2020.

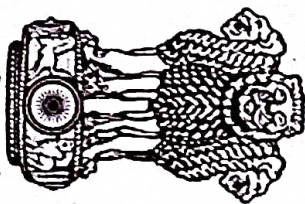
Prof. Lokanath Mishra

Director, FDC

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



Guru Angad Dev
Teaching Learning Centre
A Centre of MHRD
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Human Resource Development



S.G.T.B. Khalsa College,
University of Delhi

Certificate

ONE WEEK FACULTY DEVELOPMENT PROGRAM

11 - 17 October 2020

Learning Management System (MOODLE) For Online Teaching-Learning

This is to certify that

DR NIMISHA SINHA, SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

has successfully completed One Week National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD. This was conducted in online mode with one week's involvement spread across one month in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A+" as required for promotion under CAS of UGC and AICTE.

Dr Jaswinder Singh
DR Jaswinder Singh
Principal

S.G.T.B. Khalsa College, University of Delhi

C. Shela leddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Dr Anil Kumar
DR Anil Kumar
National Coordinator
GAD TLC of MHRD

UNIQUE CERTIFICATE No: GAD-TLC/2020-21/OFDP24/074





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



सत्यमेव जयते
Satyameva Jayate

This is to certify that

AASHISH JAIN

of

Sri Venkateswara College, University of Delhi

has successfully completed two week Faculty Development Programme on

"BLENDED LEARNING: ALTERNATIVE DIMENSIONS"

from 12 January, 2021 - 29 January, 2021 and obtained

grade A+



Blockchain Hash: 0xf750b341f9c8cc8c617a39c0ec27e4c6377bb8b760431313002367a9d0d4155c

Dr. S.P. AGGARWAL
(Principal)
Ramanujan College

PRINCIPAL
Sri Venkateswara College
Dhula Kuan, New Delhi-110021

Mr. Jagannath Choudhury
(Programme Director)
Ramanujan College



Guru Angad Dev
Teaching Learning Centre
A Centre of MHRD
under PMMMNMTT



भारत सरकार
Government of India
Ministry of Human Resource Development



S.G.T.B. Khalsa College,
University of Delhi

Certificate

ONE WEEK FACULTY DEVELOPMENT PROGRAM
12-15 August 2020

Developing Multimedia enriched Powerful Presentations

This is to certify that

DR POOLJA JAIN, SRI VENKATESWARA COLLEGE.

has successfully completed One Week National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD. This was conducted in online mode with full week's participation through live session attendance, quizzes, project and Assessment. This is equivalent to one week face to face FDP.

The participant has obtained GRADE "A" as required for promotion under CAS of UGC and AJCTE.

Dr Jawinder Singh
Principal
S.G.T.B. Khalsa College, University of Delhi

Dr. Sushil Kumar
National Coordinator
OAD TLC of MHRD

UNIQUE CERTIFICATE No: GADTLCD2020-21A0071540FDP15-1337

C. Shula Prady

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021



Guru Angad Dev
Teaching Learning Centre
A Centre of MHRD
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Human Resource Development



S.G.T.B. Khalsa College,
University of Delhi

Certificate

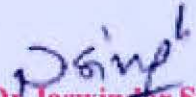
ONE WEEK FACULTY DEVELOPMENT PROGRAM
12-20 September 2020

Development of Teacher's e-kit and MOOCs in Four Quadrant Format of e-Content

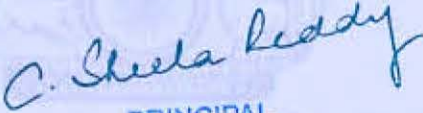
This is to certify that

DR. VANDANA MALHOTRA , SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

has successfully completed One Week National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD. This was conducted in online mode with one week's involvement spread across one month in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A+" as required for promotion under CAS of UGC and AICTE.


Dr Jaswinder Singh
Principal

S.G.T.B. Khalsa College, University of Delhi


PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021


Dr Vimal Kaur
National Coordinator
GAD TLC of MHRD

UNIQUE CERTIFICATE No: GAD-TLC/2020-21/OFDPI7-053



Guru Angad Dev
Teaching Learning Centre
A Centre of MHRD
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Human Resource Development



S.G.T.B. Khalsa College,
University of Delhi

Certificate

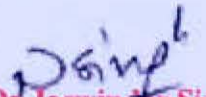
ONE WEEK FACULTY DEVELOPMENT PROGRAM
12-20 September 2020

Development of Teacher's e-kit and MOOCs in Four Quadrant Format of e-Content

This is to certify that

DR. NIMISHA SINHA, SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

has successfully completed One Week National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD. This was conducted in online mode with one week's involvement spread across one month in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A+" as required for promotion under CAS of UGC and AICTE.


Dr Jaswinder Singh
Principal

S.G.T.B. Khalsa College, University of Delhi


PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021


Dr Vimal Parh
National Coordinator
GAD TLC of MHRD

UNIQUE CERTIFICATE No: GAD-TLC/2020-21/OFDLP17-221



Guru Angad Dev
Teaching Learning Centre
A Centre of MHRD
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Human Resource Development



S.G.T.B. Khalsa College,
University of Delhi

Certificate

ONE WEEK FACULTY DEVELOPMENT PROGRAM
12-20 September 2020

Development of Teacher's e-kit and MOOCs in Four Quadrant Format of e-Content

This is to certify that

NITIKA KAUSHAL, SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

has **successfully completed One Week National Faculty Development Program** organized by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD. This was conducted in online mode with one week's involvement spread across one month in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A+" as required for promotion under CAS of UGC and AICTE.


Dr Jaswinder Singh
Principal

S.G.T.B. Khalsa College, University of Delhi


PRINCIPAL
Sri Venkateswara College
Dhola Kuan, New Delhi-110021


Dr Simal Kaur
National Coordinator
GAD TLC of MHRD

UNIQUE CERTIFICATE No: GAD-TLC/2020-21/OFDP17-121



Certificate of Participation

This is to certify that Aashish Jain, Assistant Professor, Sri Venkateswara College has attended the Online workshop titled “**Art of Thesis Writing and Academic Publishing**” organised by Koach Scholar, New Delhi from 14th August to 16th August, 2020.

Payal Kumar

Dr. Payal Kumar
Professor
BML Munjal University

C. Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Tulika Chandra

Dr. Tulika Chandra
Associate Professor and Proctor
Shiv Nadar University



**Western Regional Centre
Indian Council of Social Science Research**

In association with

**Department of Commerce
University of Mumbai**



award this Certificate to

Dr. Kameswara Sharma YVR

*attended and completed one week
online Capacity Building Program on*

'Advanced Research Methodology'

From

14th December

to

19th December, 2020.

Smita Shukla

Professor Smita Shukla
Honorary Director
WRC / ICSSR

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Kinnary

CMA Dr. Kinnary Thakkar
Programme Co-ordinator
Professor and Head Department of Commerce
University of Mumbai



Under the aegis of Ministry of Education
Department of Statistics & IQAC, Hindu College
University of Delhi

In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College



This is to certify that

Dr. Vandana Malhotra

of

Sri Venkateswara College, University of Delhi

successfully completed One Week FDP on
"E- Learning and Developing MOOCs for Teaching Process in Higher Education"
held from December 14 - December 20, 2020 and obtained a
grade **A+**



Blockchain Hash: [0xa4f4bbad3096298641ecc3e0c1de13598d83380fad98004d3a16ac447bda544e](#)

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

Dr. Manoj Kumar Varshney
(Convenor)
Hindu College

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. Anju Srivastava
Principal
Hindu College



Under the aegis of Ministry of Education
Department of Statistics & IQAC, Hindu College
University of Delhi

In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College



This is to certify that

Dr. Nimisha Sinha

of

**Department of Biochemistry, Sri Venkateswara College, University of
Delhi**

successfully completed One Week FDP on
"E- Learning and Developing MOOCs for Teaching Process in Higher Education"
held from December 14 - December 20, 2020 and obtained a
grade **A+**



[Blockchain Hash: 0x7371d1ac030b16c4783a07b92dcbdb31a7c15b05f2849cc7043c30bd625d999](#)

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

Dr. Manoj Kumar Varshney
(Convenor)
Hindu College

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. Anju Srivastava
Principal
Hindu College



Under the aegis of Ministry of Education
Department of Statistics & IQAC, Hindu College
University of Delhi

In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College



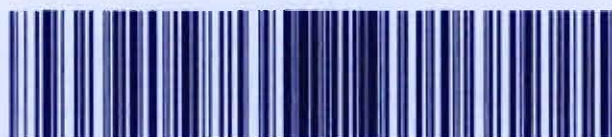
This is to certify that

Dr. Deepti Jain

of

**Department of Mathematics, Sri Venkateswara College, University of
Delhi, Delhi**

successfully completed One Week FDP on
"E- Learning and Developing MOOCs for Teaching Process in Higher Education"
held from December 14 - December 20, 2020 and obtained a
grade **A+**



[Blockchain Hash: 0xc38189ba14fbc4c45fd7263b4cb878074a0f043cc0c9dbcc7a64cbf89faacd28](#)

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

Dr. Manoj Kumar Varshney
(Convenor)
Hindu College

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. Anju Srivastava
Principal
Hindu College



Under the aegis of Ministry of Education
Department of Statistics & IQAC, Hindu College
University of Delhi
In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramnagar College



This is to certify that

Dr. Vinod Kumar

of

Department of Commerce, Sri Venkateswara College, University of Delhi

successfully completed One Week FDP on
"E- Learning and Developing MOOCs for Teaching Process in Higher Education"
held from December 14 - December 20, 2020 and obtained a
grade A+



[https://www.rajivgandhiopenuniversity.ac.in/portal/portal.do?module=module.do&method=method.do&action=action.do](https://www.rajivgandhiopenuniversity.ac.in/portal/portal.do?module=module.do&method=method.do&action=action.do&module=module.do&method=method.do&action=action.do)

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramnagar College

Dr. Manoj Kumar Varshney
(Convenor)
Hindu College

PRINCIPAL
Sri Venkateswara College
University of Delhi

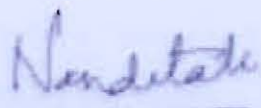
Dr. Anju Srivastava
Principal
Hindu College

MindSpar 3.0

Adding New Dimensions

CERTIFICATE

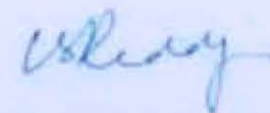
This is to certify that Dr. N LATHA of the Department of Biochemistry,
Sri Venkateswara College, University of Delhi organized MindSpar 3.0 Ideathon held on 12th March, 2021 as a
Member, Organizing Committee



Dr. Nandita Narayanasamy
(CONVENOR)



Dr. Vandana Malhotra
(CONVENOR)



Prof. C. Sheela Reddy
(PRINCIPAL, SVC)

PRINCIPAL
Sri Venkateswara College
Dhola Kuan, New Delhi-110021

ISID

Institute for Studies
in Industrial Development

Institute for Studies in Industrial Development

A sponsored institution of the Indian Council of Social Science Research
4, Institutional Area Phase II, Vasant Kunj, New Delhi - 110070



This is to certify that

Dr. S. Krishna Kumar

Assistant Professor, Department of Economics
Sri Venkateswara College, University of Delhi, Delhi

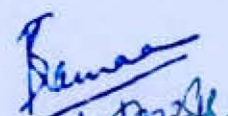
participated in the

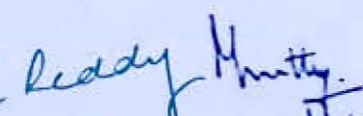
**Online Two-week Capacity Building-cum-Faculty Development Programme on
Industrialization, Corporate Sector and Development**

organised by the Institute for University and College Teachers during
February 15 to 27, 2021

Sponsored by Indian Council of Social Science Research (ICSSR), New Delhi
Ministry of Education, Government of India


(Dr. Shalender Kumar Hooda)
Associate Professor


(Dr. Ranjita Arun Kumar)
Assistant Professor


(Prof. M.R. Murty)
Officiating Director

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



IQAC Cluster India
www.iqacclusterindia.com

CERTIFICATE AT PROFESSIONAL LEVEL

WhiteCode
Organizing Partner
www.whitecode.co.in

Awarded To

Dr. Patha Narayanan

Sri Venkateswara College

for successfully completing two months Course on
"Effective Documentation for Accreditation"
with
A
Grade

organized by "IQAC Cluster India" in collaboration with "WhiteCode"
from 15 Sept 2020 to 10 Nov 2020.

*The candidate has achieved the required standard in the areas of every documentation needed for the
organization and for the purposes of accreditation*

DR. R. M. PATIL
Retd. Associate Professor
H. V Desai College, Pune

Certificate ID: WI5930

PROF. PEEYUSH PAHADE
Co-Founder
IQAC Cluster India

Grades: 80%+ O (Outstanding) | 70 - 79% A (Excellent) | 55 - 69 % B (Good) | 40 - 54 % C (Fair) | Below 40 D (Fail)

C Shula Reddy

PRINCIPAL
Sri Venkateswara College
(University of Delhi)



IQAC Cluster India
www.iqacclusterindia.com

CERTIFICATE AT PROFESSIONAL LEVEL

WhiteCode
Organizing Partner
www.whitecode.in

Awarded To

Dr. Lalita Josyula

Sri Venkateswara College

for successfully completing two months Course on
"Effective Documentation for Accreditation"

with

O

Grade

organized by "IQAC Cluster India" in collaboration with "WhiteCode"
from 15 Sept 2020 to 10 Nov 2020.

The candidate has achieved the required standard in the areas of every documentation needed for the
organization and for the purposes of accreditation

Certificate ID: WIS91

DR. R. M. PATIL

Retd. Associate Professor
H. V. Desai College, Pune

Prof. P. P. Mahade

PROF. PEYUSH PAHADE
Co-Founder
IQAC Cluster India

Grades: 80%+ O (Outstanding) | 70 - 79% A (Excellent) | 55 - 69% B (Good) | 40 - 54% C (Fair) | Below 40% D (Fail)

C. Shula Reddy

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021



Under the aegis of Ministry of Human Resource Development
Department of Computer Science, Mata Sundri College for Women
University of Delhi
In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College



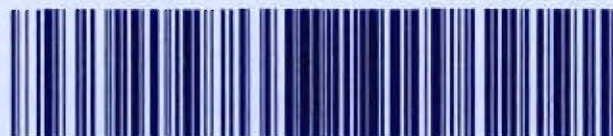
This is to certify that

Dr. Pooja Jain

of

Sri Venkateswara College, University of Delhi, New Delhi

has successfully completed two weeks' Faculty Development Program on
"ICT Based New Paradigms of E-Teaching and E-Learning : Digital Pedagogy"
from September 15- September 30, 2020 and obtained a
grade A



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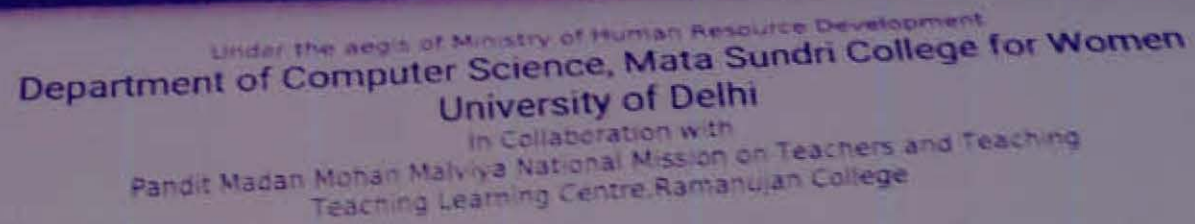
Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

Dr. Nidhi
(Convenor)
Mata Sundri College for
Women

Dr. Kiranjeet Sethi
Chief-Coordinator
Mata Sundri College for
Women

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Prof. Harpreet Kaur
Principal
Mata Sundri College for
Women



Dy. J. S.
Dr. Kiranjeet Sethi
Chief-Coordinator
Mata Sundri College for
Women

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College



National Centre for Mathematics

www.ncmath.org
(A joint centre of TIFR and IIT Bombay)
Advanced Training in Mathematics



Online Teacher's Enrichment Workshop on "Differential Equations and Its Applications"



(A joint programme of INSA & NCM)



(March 15 – 28, 2021)

Certificate

This is to certify that Dr. Neelesh Kumar from Sri Venkateswara College, University of Delhi has participated in the INSA & NCM joint online Teacher's Enrichment Workshop on "Differential Equations and its Applications" hosted by Deshbandhu College, University of Delhi, New Delhi during March 15 – 28, 2021.

Ms. Harindri Chaudhary
(Convener)

Prof. Abhay Bhatt
(Convener)

Prof. Rajiv Aggarwal
(Principal)

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

MAHATMA HANSRAJ FACULTY DEVELOPMENT CENTRE

UNDER PANDIT MADAN MOHAN MALAVIYA MISSION ON TEACHERS AND TEACHING
HANSRAJ COLLEGE, UNIVERSITY OF DELHI 110007

Ref No. : HRC/MHRFDC/2021/9

Date: 24th February, 2021

Dear Dr. Arpita Koul,
Department of Commerce,
Sri Venkateswara College,
University of Delhi

Mahatma Hansraj Faculty Development Centre, Hansraj College would like to thank you for your contribution in One Week (Online) Faculty Development Programme on **"Online Teaching Tools"** during **16th February – 22nd February, 2021** organised in collaboration with PARAMARSH, UGC SCHEME. Your sessions on **"Video Recording/Editing and Channel Maintenance for e-Content and Live Teaching"** & **"White board teaching Tools"** on **18th February, 2021** were extremely relevant and interesting for the participants. It was an honour for us to have you as a resource person for this programme.

We believe that the knowledge you have shared would immensely help the participants in their academic endeavours.

We know your time is precious and we are grateful that you shared some of it with us.

Looking forward to your contribution in our future programmes.

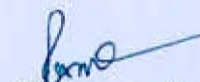
Thank You.



(Coordinator)
MHRFD Centre,
Hansraj College



PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



(Chairperson)
MHRFD Centre,
Hansraj College



S.No. : 014



**UGC HUMAN RESOURCE DEVELOPMENT CENTRE
UNIVERSITY OF JAMMU
UGC SPONSERED WORKSHOP**

This is to certify that

Vasulika Mathur *Assistant Professor*
(Name of Participant) (Designation)
Sri Venkateswara College, University of Delhi
(College/University) (Place)
Participated in the *one week workshop on Research Methodology*
From *15-12-2020* to *19-12-2020*

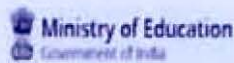
[Signature]
DIRECTOR

[Signature]
COURSE CO-ORDINATOR

[Signature]
VICE-CHANCELLOR

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



Ministry of Education
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

**Teaching Learning Centre
Ramanujan College**
(University of Delhi)

and

Indian Accounting Association, NCR Chapter

7 DAYS CERTIFICATE COURSE / FDP

On

'Direct Taxes and GST'

(16th October - 8th November, 2020)

Certificate

This is to certify that **PRIYANKA**
of **Sri Venkateswara College, DU** has participated and successfully completed
7 Days Certificate Course / FDP on 'Direct Taxes and GST'



(Dr. S.P. Aggarwal)
Principal,
Director TLC
Ramanujan College, DU

(Dr. J. L. Gupta)
Secretary, IAA, NCR Chapter
Member, Executive Council,
University of Delhi

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

HRDC4554202020



UNIVERSITY GRANTS COMMISSION
HUMAN RESOURCE DEVELOPMENT CENTRE (HRDC)
JAWAHARLAL NEHRU UNIVERSITY



UGC - SPONSORED REFRESHER COURSE (ONLINE)

This is to certify that

Dr. Kameswara Sharma YVR, Assistant Professor
Sri Venkateswara College, University of Delhi, Delhi

participated in the Refresher Course in Research Methodology (Interdisciplinary)
from 19th October, 2020 to 31st October, 2020 and obtained Grade.....**A only**

Prof. Krishan Kumar & Dr. Indrani Roy Chowdhury
Course Coordinators

PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

Prof. Brajesh Kumar Pandey
Director

Prof. M. Jagadesh Kumar
Vice Chancellor

Place : New Delhi
Date : 31/10/2020



Open with

FIVE DAYS FACULTY DEVELOPMENT PROGRAM

on
RESEARCH METHODOLOGY



Jointly Organized by

**Centre for Professional Development in Higher Education,
University of Delhi
&
South Asian Institute for
Advanced Research & Development (SAIARD)**

Date: 20 - 24 September 2020

Time: 3.00 - 5.00 p.m.

Certificate of Appreciation

This is to certify that Prof/Dr/Mr/Ms **Lalita Josyula**, **Sri Venkateswara College / University of Delhi / New Delhi** has participated and successfully completed the Five Days Faculty Development Programme on **RESEARCH METHODOLOGY** jointly organised by The Centre for Professional Development, University of Delhi, New Delhi and South Asian Institute for Advanced Research and Development (SAIARD) from 20th to 24th September 2020.

Prof. Geeta Singh
Director, CPOHE, DU

B. Roy Chowdhury
Chairman, SAIARD

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



Teaching Learning Centre, Ramanujan College
University of Delhi

under the aegis of
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING



This is to certify that

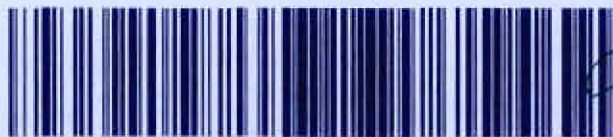
Dr. ANANT PANDEY

of

Department of Physics, Sri Venkateswara College, University of Delhi

successfully completed One Week Faculty Development Programme on
"TRANSFORMING LIFESTYLE THROUGH YOGA DARSHAN & ITS FUNCTIONAL
MODES"

*from November 20- November 26, 2020 and obtained a
grade A+*



Blockchain Hash: 0x35408bca3dbe17053d88c077d6ddde916549721f95f67c00d0a9a4d4a52a43bf

Dr. S.P. AGGARWAL
(Principal)

Dr. Anupam Kumar
(Convenor)

PRINCIPAL
Sri Venkateswara College
Chaula Kuan, New Delhi-110021

Dr. Shikha Singh
(Convenor)



Teaching Learning Centre, Ramanujan College
University of Delhi

under the aegis of
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING



This is to certify that

Dr. Deepti Jain

of

Sri Venkateswara College, University of Delhi

successfully completed One Week Faculty Development Programme on
"TRANSFORMING LIFESTYLE THROUGH YOGA DARSHAN & ITS FUNCTIONAL
MODES"

*from November 20- November 26, 2020 and obtained a
grade A+*



C. Sheela Reddy

PRINCIPAL

Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



Blockchain Hash: 0xdfbae12c031aa648b5557c9187ddc22e4a6bfc7614265d72a5aad7ae3bf38b4

S.P. Aggarwal

Dr. S.P. AGGARWAL
(Principal)

Anupam K

Dr. Anupam Kumar
(Convenor)

Shikha Singh

Dr. Shikha Singh
(Convenor)



Teaching Learning Centre, Ramanujan College
University of Delhi

under the aegis of
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING



This is to certify that

Ramesh Kumar

of

Sri Venkateswara College - (University of Delhi)

successfully completed One Week FDP on
"ICT - based Learning and Developing MOOCs for Teaching Process in Higher
Education"

*held from December 29- January 04, 2021 and obtained a
grade A+*



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Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. J. C. Purswani
Principal, S. S. T. College
of Arts and Commerce



Government of India
Ministry of Human Resource
Development

Mahatma Hansraj Faculty Development Centre

A Centre of MHRD, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Amit Kumar

from

Sri Venkateswara College, University of Delhi

has participated in

One week

Faculty Development Programme

on

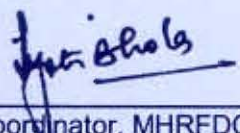
"Mathematica - A System For Modern Technical Computing"

(21st – 26th August, 2020)

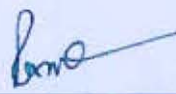
organised by

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi.


Coordinator, MHRFDC


PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021


Chairperson, MHRFDC



Ministry of Education

Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

Teaching Learning Centre
Ramanujan College
(University of Delhi)

and

Indian Accounting Association, NCR Chapter

2 Weeks Refresher Course

On

DATA ANALYSIS WITH STATISTICAL METHODS

(Sharpening Skills in Statistical Analysis through MS-Excel, SPSS, MATLAB and R)

(21st December, 2020 - 3rd January, 2021)

Certificate

This is to certify that **Manoj Giri**
of **Sri Venkateswara College (University of Delhi)** has participated and
successfully completed

2 Weeks Refresher Course on Data Analysis With Statistical Methods



(Dr S.P. Aggarwal)
Principal,
Director TLC
Ramanujan College, DU

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

(Dr. J. L. Gupta)
Secretary, IAA, NCR Chapter
Member, Executive Council,
University of Delhi



Ministry Of Education
Government Of India



Ministry of Education

Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

Teaching Learning Centre
Ramanujan College
(University of Delhi)

and

Indian Accounting Association, NCR Chapter

2 Weeks Refresher Course

On

DATA ANALYSIS WITH STATISTICAL METHODS

(Sharpening Skills in Statistical Analysis through MS-Excel, SPSS, MATLAB and R)

(21st December, 2020 - 3rd January, 2021)

Certificate

This is to certify that **Ram Lal Awasthi**
of **Sri Venkateswara College, University of Delhi** has participated and
successfully completed
2 Weeks Refresher Course on Data Analysis With Statistical Methods



(Dr S.P. Aggarwal)
Principal,
Director TLC
Ramanujan College, DU

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

(Dr. J. L. Gupta)
Secretary, IAA, NCR
Chapter
Member, Executive
Council,
University of Delhi



Ministry of Education

Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

Teaching Learning Centre
Ramanujan College
(University of Delhi)

and

Indian Accounting Association, NCR Chapter

2 Weeks Refresher Course

On

DATA ANALYSIS WITH STATISTICAL METHODS

(Sharpening Skills in Statistical Analysis through MS-Excel, SPSS, MATLAB and R)

(21st December, 2020 - 3rd January, 2021)

Certificate

This is to certify that **Dr. Deepti Jain**
of **Sri Venkateswara College, University of Delhi** has participated and
successfully completed
2 Weeks Refresher Course on Data Analysis With Statistical Methods



(Dr S.P. Aggarwal)
Principal,
Director TLC
Ramanujan College, DU

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

(Dr. J. L. Gupta)
Secretary, IAA, NCR Chapter
Member, Executive Council,
University of Delhi



**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



This is to certify that

Dr. Dipika

of

**Department of Statistics, Sri Venkateswara College, University of
Delhi, Delhi**

has successfully completed ONLINE TWO - WEEK REFRESHER COURSE/FACULTY
DEVELOPMENT PROGRAMME IN STATISTICS on the theme

"Applications of Statistical Techniques in Real World"

from 01 - 15 May, 2021

and obtained Grade A+.



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

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. Ashish Kr. Shukla
(Programme Director)
Ramanujan College

Prof. Gurprit Grover
(Head, Deptt. of Statistics)
University of Delhi



Kirori Mal College
University of Delhi
(Under the aegis of DBT Star College Scheme)
Pandit Madan Mohan Malviya National Mission on Teachers & Teaching
(PMMMNTT)

Mizoram University, Aizwal

e-Certificate of Participation

This is to certify that
Dr. Perumal Jayaraj
of



Sri Venkateswara College, University of Delhi
participated in Online Faculty Development Program on "Environmental Audit"
from 28th June-2nd July, 2021 organized by the Department of Botany and
Zoology of Kirori Mal College, University of Delhi.

UNIQUE CERTIFICATE CODE:KMC-DBT(SCS)-EA-2021:63

Prof. Anita K. Verma
Program Co-Ordinator
DBT Star College Scheme

Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

Lokanath Mishra
Prof. Lokanath Mishra
Director, FDC
Mizoram University

V. Chauhan
Prof. Vibha S. Chauhan
Principal
Kirori Mal College



Ministry of Education
Government of India



Ministry of Education

Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

Teaching Learning Centre
Ramanujan College
(University of Delhi)

and

Indian Accounting Association, NCR Chapter

2 Weeks Refresher Course

On

DATA ANALYSIS WITH STATISTICAL METHODS

(Sharpening Skills in Statistical Analysis through MS-Excel, SPSS, MATLAB and R)

(21st December, 2020 - 3rd January, 2021)

Certificate

This is to certify that Krishnakumar S

of Sri Venkateswara College, University of Delhi has participated and successfully completed

2 Weeks Refresher Course on Data Analysis With Statistical Methods



(Dr. S.P. Agarwal)
Principal,
Director T.L.C
Ramanujan College, DU

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

(Dr. J. L. Gupta)
Secretary, I.A.A.N.R Chapter
Member, Executive Council,
University of Delhi



SGT UNIVERSITY

SHREE GURU GORIND SINGH TRICENTENARY UNIVERSITY
(UGC & AICTE Approved) Gurugram, Delhi-NCR

S.No: SGTU/...../2021

Certificate of Participation

This is to certify that

Mr. Ajit Singh

Assistant Professor, University of Delhi

has participated in the online Five Days Faculty Development Program on

"Investing in Capital Market"

organized by the Faculty of Commerce and Management, SGT University

26th July to 30th July 2021

Mr. Tarun Rai
Assistant Professor, FCAM
SGT University
Co-Coordinator

Ms. Nandini Sinha
Assistant Professor, FCAM
SGT University
Convener

Prof. (Dr.) Parul Agarwal
Dean, FCAM
SGT University

Prof. (Dr.) Vinod Kumar
Vice Chancellor
SGT University

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



IQAC Cluster India
www.iqacclusterindia.com

CERTIFICATE AT PROFESSIONAL LEVEL

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Organizing Partner
www.whitecode.co.in

Awarded To

Namita Pandey

Sri Venkateswara College

for successfully completing two months Course on
"Effective Documentation for Accreditation"
with
**A
Grade**

organized by "IQAC Cluster India" in collaboration with "WhiteCode"
from 15 Sept 2020 to 10 Nov 2020.

*The candidate has achieved the required standard in the areas of every documentation needed for the
organization and for the purposes of accreditation*

Certificate ID: WI6219

Dr. R. M. Patil

DR. R. M. PATIL
Retd. Associate Professor
H. V Desai College, Pune.

Prof. Peeyush Pahade

PROF. PEEYUSH PAHADE
Co-Founder
IQAC Cluster India

Grades: 80%+ O (Outstanding) | 70 - 79% A (Excellent) | 55 - 69 % B (Good) | 40 - 54 % C (Fair) | Below 40 D (Fair)

C. Shula Reddy

PRINCIPAL
Sri Venkateswara College
(University of Delhi)



We Make You Shine
St. JOSEPH'S INSTITUTE OF TECHNOLOGY



St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI - 600 119

We prepare for

Cambridge

English Qualifications



Certificate of Participation

This is to certify that **Sudhakar Yadav**, Assistant Professor, Sri Venkateswara College has participated in the Three Days International Online Faculty Development Programme on “**Mathematical Analysis and Modelling**” organised by the Department of Mathematics from 23rd to 25th July 2020.

Dr. T. KALYANI
Convener

PRINCIPAL
Sri Venkateswara College
Dhula Kuan, New Delhi-110021

Dr. T. T. RAMAN
Convener
HOD, Mathematics

Dr. P. RAVICHANDRAN
Principal

2 pm to 4.00 pm - Technical Session VII

Chair	Dr. Anitha V.
Panellists	Prof. D Narayana , PhD, Former Director, GIIT Prof. Vijayamohanan Pillai , PhD, GIIT
Presenters	Anila Kumari R , Research scholar, Department of Economics. Women Empowerment under MGNREGA in Kerala Lavanya Sivan Research scholar, Department of Economics, University of Kerala. Economic valuation of the Environmental Impact of Kerala Flood 2018 Bhagya S Research scholar, Department of Economics, University of Kerala Water Insecurity among the Marginalized Sections in Kerala Meera N Research scholar, Department of Economics, University of Kerala. Climate-related Risks and Financial Stability Concerns: Prospects of Green Finance Jayasree Gurudas , Research scholar, S.N.College, Varkala Own Resource Mobilization: A Study of Gramapanchayats in Kerala Jilbin Francis , Research Scholar, Department of Economics Political Economy of Higher Educational Financing in Kerala
Vote of thanks	Meera N , Research scholar

Day 3, 25.2.2021

Thursday, 10am -11.30 am

Technical Session VIII

Welcome	Rizwan K.J , MPhil Scholar
Chair	Dr. Shaji Varkey Professor, Department of Political Science
Special Addresses	Prof. Saumen Chattopadhyay Professor and Chairperson Zakir Husain Centre for Educational Studies, JNU, New Delhi The Future of Higher Education and the NEP 2020 Dr. Sheeja S.R. , Professor, Department of Economics Some Insights into Educated Unemployment in Kerala
	Discussion
Vote of thanks	Muniaraj K , MPhil scholar

11.30 am to 1 pm, Technical Session IX

Welcome	Resmi R , Research scholar
Chair	Prof. (Dr.) Joseph Antony , Director, Centre of Marxian Studies, University of Kerala
Special Address	Prof. (Dr.) Abdul Salim , Department of Economics Unit Cost of Higher Education: A Study of Kerala University
	Discussion
Vote of thanks	Lavanya Sivan , Research scholar

2 pm to 3 pm - Valedictory Session

Welcome	Dr. Anitha V , Organising secretary
Presidential Address	Prof. (Dr.) C.R. Prasad Registrar, University of Kerala
Valedictory Address	Dr. B. Ekbal , Member Kerala State Planning Board
Remarks	Prof. Abdul Salim , Department of Economics
Vote of thanks	Siddik R , Assistant Professor, Department of Economics

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Honorable Vice Chancellor

Patron: **Ajayakumar P P**
Honorable Pro Vice Chancellor

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Professor and Head and Organising secretary

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Professor, Department of Economics

Prasad A K,
Professor and Director, School of Social Sciences

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Professor and Dean, Faculty of Social Sciences

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Professor, Department of Economics

Christabell P.J.,
Associate Professor, Department of Economics

Siddik R,
Asst. Professor, Department of Economics

Staff, PhD, M Phil and MA Students



Department of Economics,
University of Kerala

Kariavattom Campus, Thiruvananthapuram

3 Day National Webinar on New Education Policy 2020 and Doctoral Colloquium

In honour of **Dr. A. Abdul Salim**,
Professor and former Head, Department of Economics,
University of Kerala

23-25
Feb. 2021

Conference Hall,
Department of Economics

Registration link

<https://meet.google.com/eki-ydcj-rht>

Discussion link

<https://meet.google.com/tgb-hiju-cks>

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**23.2.2021 Tuesday - 9.30 am-10.30 am
Inaugural Function**

Welcome	Dr. Sheeja S.R <i>Professor, Department of Economics, University of Kerala</i>
Presidential Address	Dr. Anitha V , <i>Professor and Head, Department of Economics, University of Kerala.</i>
Inaugural address	Prof. (Dr.) P.P Ajaykumar , <i>Pro-Vice Chancellor, University of Kerala</i>
Keynote Address	Prof. N.V.Varghese , <i>Vice Chancellor, National Institute of Educational Planning and Administration, New Delhi.</i>

Release of Book on "Unit Cost of Higher Education: A Study of Kerala University" (Author: Abdul Salim. A)

Introducing the above Book	Prof. D Narayana Ph D <i>Former Director, Gulati Institute of Finance and Taxation (Vice President, Indian Health Economics and Policy Association; Chairman, 5th Kerala Public Expenditure Review Committee; Member, Contributory Pension Review Committee)</i>
Felicitations	Adv. K.H. Babujan , <i>Member, Syndicate, University of Kerala</i> Dr. S. Nazeeb , <i>Member, Syndicate, University of Kerala</i> Dr. Manju S.Nair , <i>Professor and Dean Faculty of Social Sciences</i>
Vote of thanks	Dr. Christabell P.J. <i>Associate Professor, Department of Economics</i>

10.45 am to 12.45pm: Technical Session- I

Welcome	Athira V P , <i>MPhil Scholar</i>
Chair	Dr. Suresh R , <i>Professor and Head, Department of Political Science, University of Kerala</i>
Special Address	Professor Mohanan B Pillai , <i>Department of Politics International Studies, Pondicherry Central University, Puducherry 605 014 India</i> 'The Manifest of the Aspirational Middle Class
Presentations	Dr. V. Shaharban , <i>Assistant Professor, Department of Economics, Kannur University</i> National Education Policy 2020 and Research Programmes in India Ratheesh C , <i>Assistant Professor, Department of Economics, Fatima Mata National College (Autonomous), Kollam.</i> New Education Policy 2020: Bane or Boon to the Higher Education Sector in India

Discussions

Vote of thanks	Munawwara Zubair , <i>MPhil Scholar</i>
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1.30 pm to 3.30 pm: Technical Session- II

Welcome	Sreejith J S , <i>MPhil Scholar</i>
Chair	Prof. Prasad A.K , <i>Department of Economics</i>
Special Address	Dr. Christabell P.J. <i>Associate Professor, Department of Economics, Rajeev B, Agricultural University Beijing, China and Dr. Vimal Raj A</i> , <i>Research Officer, Indira Gandhi National Tribal University, Madhya Pradesh</i> Road Ahead for Knowledge Based Economy: A Glance over of Scenarios
Presentations	Dr. Seema M.P , <i>Faculty in Social Sciences, International Institute of Islamic Sciences, Wayanad, Kerala.</i> Gender Discrimination and the Status of Indian Women in Higher Education Anuroop S Krishnan , <i>M.Phil Scholar, Department of Economics</i> Educated Unemployed is A Menace: An Evaluative Case Study on Kerala and its Schemes

Discussion

Vote of thanks	Pratheeksha P , <i>MPhil Scholar</i>
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3.30 pm to 4.30 pm: Technical Session- III

Welcome	Varsha Prakash , <i>MPhil Scholar</i>
Chair	Dr. Sheeja S.R , <i>Professor, Department of Economics.</i>
Presentations	Dr. Resmi C. Panicker , <i>Assistant Professor, Department of Economics, University College</i> Educated Unemployment among Female Workforce in Kerala Kaveya P <i>Research scholar, Kerala University</i> Higher Education Policy 2020 Harsha V.K <i>Research scholar, University College, Trivandrum</i> Educated Unemployment in Kerala: Facts and Factors

Discussion

Vote of thanks	Surya Thampi , <i>MPhil Scholar</i>
----------------	--

5 pm to 6 pm: Technical Session- IV

Welcome	Rizwan K J , <i>MPhil scholar</i>
Chair	Prof. Abdul Salim , <i>Department of Economics</i>
Special Address	Prof. Prabhat Patnaik , <i>Former Professor, JNU</i> New Education Policy 2020

Discussion

Vote of thanks	Ashna Salim <i>MPhil scholar</i>
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**Day 2, 24.2.2021,
Wednesday 10 am to 11.30 am
Technical Session V**

Welcome	Sharon Jose
Chair	Prof. Krishnakumar S , <i>Department of Economics, Sri Venkateswara College, University of Delhi</i>
Special Address	Prof. Rajan Varghese , <i>Member Secretary, Kerala State Higher Education Council, Kerala</i> Higher Education in Kerala

Discussion

Vote of thanks	Libin Tom <i>MPhil scholar</i>
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**11.30 am to 1.00 pm - Technical Session VI
Doctoral Colloquium**

Welcome	Varsha Prakash , <i>MPhil Scholar</i>
Chair	Dr. Anitha V , <i>Professor and Head, Department of Economics</i>
Panelists	Prof. D Narayana Ph D , <i>Former Director, GIFT</i> Prof. Vijayamohanan Pillai Ph.D , <i>GIFT</i>
Presenters	Resmi R , <i>Research scholar, Department of Economics</i> Valuation of Tertiary Public Healthcare Services in Kerala Athulya S. Patric , <i>Research Scholar, University College</i> Environmental and Health Costs of Industrial Contamination: A Case Study of Kerala Minerals and Metals Limited in Kollam District of Kerala Shanu N. Nazar , <i>Research scholar, Department of Economics, University of Kerala.</i> Education finance and upliftment of backward communities in Kerala
Vote of thanks	Anila Kumari R , <i>Research scholar</i>

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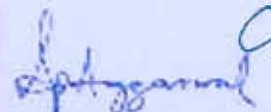
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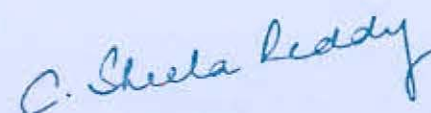


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2020-21



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Letter of Appreciation

Date: 24th December, 2020

We express our sincere gratitude to you for being the Convener of "One Week Global ETL on Higher Education - Road Ahead" (Joint Convention Academic Leaders) from 25- November to 01st December, 2020. Organized by Department of Commerce & IJM, Sri Venkateswara College, University of Delhi in collaboration with Teaching Learning Centre, Ravenshaw College, University of Delhi.

We look forward to having a continued association with you in the future.

Myrica

(Dr. S.P. Aggarwal)
Principal,
Director, Teaching Learning Centre
Ramanujan College

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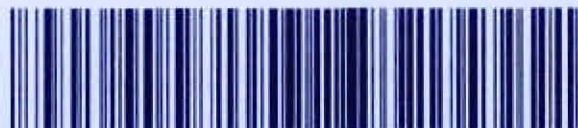
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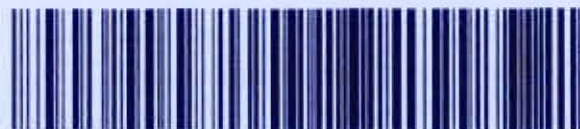
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Mr. Ajit Singh

of

Department of Commerce, Sri Venkateswara College, University of Delhi

successfully completed One Week FDP on
**"HIGHER EDUCATION: ROAD AHEAD DEVELOPING NEXT GENERATION
ACADEMIC LEADERS"**

*held from November 25- December 01, 2020 and obtained a
grade **A+***



Blockchain Hash: 0x6694e582d0cf5c6a9522b0bba6f1080d465528c7f516990d787170eda1abaaf6c

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

C. Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr S. Venkata Kumar
Principal
Sri Venkateswara College



Under the aegis of Ministry of Education
Department of Commerce & IQAC, Sri Venkateswara College
University of Delhi

In Collaboration with
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramakrishna College



This is to certify that

Dr Lalita Josyula

of

Department of Electronics, Sri Venkateswara College

successfully completed One Week FDP on
"HIGHER EDUCATION: ROAD AHEAD DEVELOPING NEXT GENERATION
ACADEMIC LEADERS"

held from November 25- December 01, 2020 and obtained a
grade **A**



Barcode generated by: www.barcodegenerator.com

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramakrishna College

PRINCIPAL
Sri Venkateswara College
Chaula Kuan, New Delhi-110021

Dr S. Venkata Kumar
Principal
Sri Venkateswara College



Under the aegis of Ministry of Education
Department of Commerce & IQAC, Sri Venkateswara College
University of Delhi
In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College



This is to certify that

Dr. Vandana Malhotra, Assistant Professor

of

Sri Venkateswara College, University of Delhi

successfully completed One Week FDP on
"HIGHER EDUCATION: ROAD AHEAD DEVELOPING NEXT GENERATION
ACADEMIC LEADERS"

*held from November 25- December 01, 2020 and obtained a
grade A+*



Blockchain Hash: 0x74f27d2fc5cd690cb0eac8b713ef4d94548d82cdebfc8382fbb29db5946239ac

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

C. Sheila Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr S. Venkata Kumar
Principal
Sri Venkateswara College



Under the aegis of Ministry of Education
Department of Commerce & IQAC, Sri Venkateswara College
University of Delhi
In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College



This is to certify that

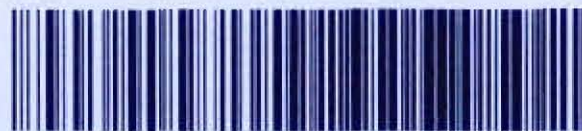
Dr. Nimisha Sinha

of

Sri Venkateswara College, University of Delhi

successfully completed One Week FDP on
"HIGHER EDUCATION: ROAD AHEAD DEVELOPING NEXT GENERATION
ACADEMIC LEADERS"

*held from November 25- December 01, 2020 and obtained a
grade A+*



Blockchain Hash: 0x2ed8e2e9754159ca7893abc4e687ed04e5ab548456b1221a2b7a8fb61ad3dd4

S.P. Aggarwal

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

S. Venkata Kumar

Dr S. Venkata Kumar
Principal
Sri Venkateswara College



Under the aegis of Ministry of Education
Department of Commerce & IQAC, Sri Venkateswara College
University of Delhi
In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College



This is to certify that

Dr Nitika Kaushal

of

Sri Venkateswara College, University of Delhi

successfully completed One Week FDP on
"HIGHER EDUCATION: ROAD AHEAD DEVELOPING NEXT GENERATION
ACADEMIC LEADERS"

*held from November 25- December 01, 2020 and obtained a
grade A*



Blockchain Hash: 0x4e2f25b82d77d08e01eaf4a55e200fec5393546202df337c7a822b1583434e3a

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

PRINCIPAL
Sri Venkateswara College
Dhola Kuan, New Delhi-110021

Dr S. Venkata Kumar
Principal
Sri Venkateswara College



Guru Angad Dev
Teaching Learning Centre
A Centre of Ministry of Education
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Sri Guru Tegh Bahadur
Khalsa College
University of Delhi

Certificate

FACULTY DEVELOPMENT PROGRAM

27th January to 02nd February 2021

Digital Tools for 21st Century: Word Processing & Spreadsheets

This is to certify that

DR. RAVINDRA VARMA POLISETTY, SRI VENKATESWARA COLLEGE

has successfully completed **One Week Online National Faculty Development Program** organized by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A" as required for promotion under CAS of UGC and AICTE.

Dr. Jaswinder Singh
Principal, S.G.T.B. Khalsa College
University of Delhi

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. Vimal Rarh
Project Head & Joint Director
GAD-TLC of MoE

UNIQUE CERTIFICATE No: GAD-TLC/2020-21/OFDP37/155



Guru Angad Dev
Teaching Learning Centre
A Centre of Ministry of Education
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Sri Guru Tegh Bahadur
Khalsa College
University of Delhi

Certificate

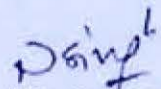
FACULTY DEVELOPMENT PROGRAM
27th January to 02nd February 2021

Digital Tools for 21st Century: Word Processing & Spreadsheets

This is to certify that

VINITA KAPOOR , SRI VENKATESWARA COLLEGE, DELHI UNIVERSITY

has **successfully completed One Week Online National Faculty Development Program** organized by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A" as required for promotion under CAS of UGC and AICTE.


Dr. Jaswinder Singh
Principal, S.G.T.B. Khalsa College
University of Delhi


Principal
Sri Venkateswara College
Dhola Kuan, New Delhi-110021


Dr. Vimal Rarh
Project Head & Joint Director
GAD-TLC of MoE

UNIQUE CERTIFICATE No: GAD-TLC/2020-21/OFDPP37/139



Certificate of Achievement

This is certified that

DR RAJNI ARORA

has attended one Week online Workshop

July 27 to July 31, 2020 on

Data Manipulation and Visualization through Statistical Software R

organized by

Zakir Husain Delhi College (University of Delhi)

under the aegis of DBT-Star College Scheme, Govt. of India

Dr Dhiraj Kumar Singh

Course Convenor

Dr P K Shishodia

Co-ordinator, DBT Star College Scheme

Prof (Dr) M A Beg

Principal

PRINCIPAL

**Sri Venkateswara College
Dhaura Kuan, New Delhi-110021**



Department of
BioTechnology,
Government
of India

Certificate of Achievement

This is certified that

DR. GARIMA VIRMANI ARORA

has attended one Week online Workshop

July 27 to July 31, 2020 on

Data Manipulation and Visualization through Statistical Software R

organized by

Zakir Husain Delhi College (University of Delhi)

under the aegis of DBT-Star College Scheme, Govt. of India

Dhiraj Kumar Singh

Dr Dhiraj Kumar Singh

Course Convenor

Shishodia

Dr P K Shishodia

Co-ordinator, DBT Star College Scheme

C. Sheela Reddy

PRINCIPAL
St Venkateswara College
Dhaula Kuan, New Delhi-110021

Prof (Dr) M A Beg

Principal



Guru Angad Dev
Teaching Learning Centre
A Centre of MHRD
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Human Resource Development



S.G.T.B. Khalsa College,
University of Delhi

Certificate

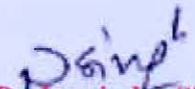
ONE WEEK FACULTY DEVELOPMENT PROGRAM
27 October - 02 November 2020

Towards Quality Higher Education through NEP-2020

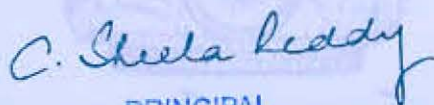
This is to certify that

DR. VANDANA MALHOTRA, SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

has successfully completed **One Week National Faculty Development Program** organized by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands-on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A+" as required for promotion under CAS of UGC and AICTE


Dr Jaswinder Singh
Principal

S.G.T.B. Khalsa College, University of Delhi


PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021


Dr Anil Kumar
National Coordinator
GAD TLC of MHRD

UNIQUE CERTIFICATE No:GAD-TLC/20-21/ OFDP26-002



Guru Angad Dev
Teaching Learning Centre
A Centre of MHRD
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Human Resource Development



S.G.T.B. Khalsa College,
University of Delhi

Certificate

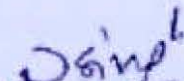
ONE WEEK FACULTY DEVELOPMENT PROGRAM
27 October - 02 November 2020

Towards Quality Higher Education through NEP-2020

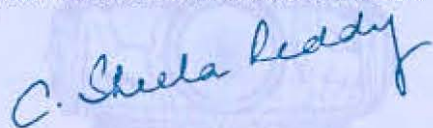
This is to certify that

DR NITIKA KAUSHAL, SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

has **successfully completed One Week National Faculty Development Program** organized by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands-on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A+" as required for promotion under CAS of UGC and AICTE


Dr Jaswinder Singh
Principal

S.G.T.B. Khalsa College, University of Delhi


PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021


Dr. Simal Karh
National Coordinator
GAD TLC of MHRD

UNIQUE CERTIFICATE No:GAD-TLC/20-21/ OFDP26-176



Hansraj College

University of Delhi
Mahatma Hansraj Marg, Malka Ganj
Delhi - 110007

हंसराज महाविद्यालय

दिल्ली विश्वविद्यालय
महात्मा हंसराज मार्ग, मल्कागंज
दिल्ली 110007

Ref No. : HRC/MHRFDC/2020/36

Date: 12th October, 2020

Dear Dr. Arpita Kaul,

Mahatma Hansraj Faculty Development Centre, Hansraj College would like to thank you for taking part in a two week online Faculty Development Programme on **"Transformation in Higher Education: Issues and Road Ahead"** during **28th September- 12th October, 2020** organised in collaboration with Government Degree College for Women, Anantnag. Your sessions on **Virtual Classroom using Google**, 7th - 8th October, 2020 were extremely relevant and interesting for the participants. It was an honour for us to have you as a resource person for this programme.

We believe that the knowledge you have shared would immensely help the participants in their academic endeavours.

We know your time is precious and we are grateful that you shared some of it with us.

Looking forward to your participation in our future events.

Thank You.

Regards


(Coordinator)
MHRFD Centre,
Hansraj College


PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021


(Chairperson)
MHRFD Centre,
Hansraj College

HRDC5655272020



UNIVERSITY GRANTS COMMISSION
HUMAN RESOURCE DEVELOPMENT CENTRE (HRDC)
JAWAHARLAL NEHRU UNIVERSITY



UGC - SPONSORED REFRESHER COURSE (ONLINE)

This is to certify that

Dr. Sarika Yadav, Assistant Professor

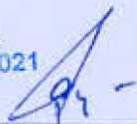
Sri Venkateswara College Affiliated to University of Delhi, New Delhi

participated in the 25th Refresher Course in Life Sciences & Biotechnology
from 28th December, 2020 to 9th January, 2021 and obtained Grade.....**A only**



C. Sheila Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Prof. Pawan K. Dhar & Dr. Rita Sharma
Course Coordinators


Prof. Brajesh Kumar Pandey
Director


Prof. M. Jagadesh Kumar
Vice Chancellor

Place : New Delhi
Date : 09/01/2021



Guru Angad Dev
Teaching Learning Centre
A Centre of Ministry of Education
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Deen Dayal Upadhyaya College
University of Delhi

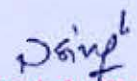
Certificate

0th March to 0rd April 2021
FACULTY DEVELOPMENT PROGRAM
Essentials of Entrepreneurship

This is to certify that

BASANT SAINI of SVC DU

has **successfully completed** One Week Online National Faculty Development Program jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education and Deen Dayal Upadhyaya College, University of Delhi. This was conducted in online mode with one week's involvement in a **Flexible mode**. This Online FDP is equivalent to face to face one week FDP. The one week involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained **GRADE A** as required for promotion under CAS of UGC and AICTE.


Dr. Jaswinder Singh
Principal
S.G.T.B. Khalsa College
University of Delhi


Prof. Hem Chandra
Officiating Principal
Deen Dayal Upadhyaya College
University of Delhi
PRINCIPAL
Shri Venkateswara College
Kirti Kuan, New Delhi-110021


Dr. Vimal Rarh
Project Head Joint Director
GAD-TLC of Ministry of Education

UNIQUE CERTIFICATE No: GAD-TLC/21-22/OFDP42/OB/014



J.C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY YMCA, FARIDABAD

A Haryana State Government University

(Established by Haryana State Legislative Act No. 21 of 2009, Recognized by U.G.C Act 1956 u/s 22 to Confer Degrees)

Accredited "A" Grade by NAAC



Certificate Of Participation

This is to certify that Dr. Swarn Singh of

Sri Venkateswara College, University of Delhi

has participated in

VALUE ADDED COURSE

A TWO WEEK WORKSHOP ON SCIENTIFIC COMPUTING USING MATLAB & PYTHON

SCMP-2020 (Sept. 07-18, 2020)

jointly organized by

Department of Computer Engineering & Department of Mathematics, JCBUST, YMCA Faridabad

under the aegis of TEQIP-3

Dr. Suraj Goyal

(Co-ordinator, SCMP-2020)

Assistant Professor, Dept. of Mathematics

Dr. Neetu Gupta

(Programme Chair & Convener, SCMP-2020)

Chairperson, Dept. of Mathematics

Prof. Komal Kumar Bhatia

(Programme Chair & Convener, SCMP-2020)

Chairperson, Dept. of Computer Engineering

Principal,
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



20-21/Env.Sc./Edu/Online/16343(O188)

UGC



HUMAN RESOURCE DEVELOPMENT CENTRE

Jamia Millia Islamia, New Delhi

Certificate Of Participation

UGC Sponsored Online Refresher Course in Environmental Science/Education (ID)

This is to certify that

Ravindra Varma Polisetty, Assistant Professor (Biochemistry)

Sri Venkateswara College, University of Delhi, Delhi

participated in the First Online two-week Refresher Course in Environmental Science/Education (ID)

organized by the UGC – HRDC, Jamia Millia Islamia, New Delhi

from 7th October to 21st October, 2020 and obtained

grade.....A.....

Dr. Lubna Siddiqui
Course Coordinator

PRINCIPAL
Sri Venkateswara College
Panchsala Kuan, New Delhi-110091
Dr. Hasan Raja Naqvi
Course Coordinator

Prof. Anisur Rahman
Director

A. P. Siddiqui
Registrar



Teaching Learning Centre, Ramanujan College
University of Delhi

under the aegis of
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

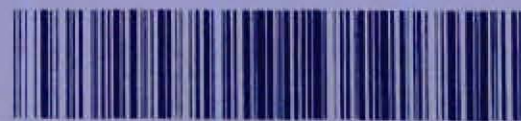
This is to certify that

Krishnakumar S

of

Department of Economics, Sri Venkateswara College, University of Delhi

successfully completed one Week Faculty Development Programme on
"SYSTEMATIC LITERATURE REVIEW AND META - ANALYSIS"
from December 07- December 13, 2020 and obtained a
grade A+



Illeg. Ka. Trans. 17 (1911), *Crataegus mollis* (L.) P. B. 2 (1846) 230 (1846), 3 (1847) 224, 4 (1848) 280, 5 (1849) 311, 6 (1850) 341, 7 (1851) 365, 8 (1852) 395, 9 (1853) 425, 10 (1854) 455, 11 (1855) 485, 12 (1856) 515, 13 (1857) 545, 14 (1858) 575, 15 (1859) 605, 16 (1860) 635, 17 (1861) 665, 18 (1862) 695, 19 (1863) 725, 20 (1864) 755, 21 (1865) 785, 22 (1866) 815, 23 (1867) 845, 24 (1868) 875, 25 (1869) 905, 26 (1870) 935, 27 (1871) 965, 28 (1872) 995, 29 (1873) 1025, 30 (1874) 1055, 31 (1875) 1085, 32 (1876) 1115, 33 (1877) 1145, 34 (1878) 1175, 35 (1879) 1205, 36 (1880) 1235, 37 (1881) 1265, 38 (1882) 1295, 39 (1883) 1325, 40 (1884) 1355, 41 (1885) 1385, 42 (1886) 1415, 43 (1887) 1445, 44 (1888) 1475, 45 (1889) 1505, 46 (1890) 1535, 47 (1891) 1565, 48 (1892) 1595, 49 (1893) 1625, 50 (1894) 1655, 51 (1895) 1685, 52 (1896) 1715, 53 (1897) 1745, 54 (1898) 1775, 55 (1899) 1805, 56 (1900) 1835, 57 (1901) 1865, 58 (1902) 1895, 59 (1903) 1925, 60 (1904) 1955, 61 (1905) 1985, 62 (1906) 2015, 63 (1907) 2045, 64 (1908) 2075, 65 (1909) 2105, 66 (1910) 2135, 67 (1911) 2165, 68 (1912) 2195, 69 (1913) 2225, 70 (1914) 2255, 71 (1915) 2285, 72 (1916) 2315, 73 (1917) 2345, 74 (1918) 2375, 75 (1919) 2405, 76 (1920) 2435, 77 (1921) 2465, 78 (1922) 2495, 79 (1923) 2525, 80 (1924) 2555, 81 (1925) 2585, 82 (1926) 2615, 83 (1927) 2645, 84 (1928) 2675, 85 (1929) 2705, 86 (1930) 2735, 87 (1931) 2765, 88 (1932) 2795, 89 (1933) 2825, 90 (1934) 2855, 91 (1935) 2885, 92 (1936) 2915, 93 (1937) 2945, 94 (1938) 2975, 95 (1939) 3005, 96 (1940) 3035, 97 (1941) 3065, 98 (1942) 3095, 99 (1943) 3125, 100 (1944) 3155, 101 (1945) 3185, 102 (1946) 3215, 103 (1947) 3245, 104 (1948) 3275, 105 (1949) 3305, 106 (1950) 3335, 107 (1951) 3365, 108 (1952) 3395, 109 (1953) 3425, 110 (1954) 3455, 111 (1955) 3485, 112 (1956) 3515, 113 (1957) 3545, 114 (1958) 3575, 115 (1959) 3605, 116 (1960) 3635, 117 (1961) 3665, 118 (1962) 3695, 119 (1963) 3725, 120 (1964) 3755, 121 (1965) 3785, 122 (1966) 3815, 123 (1967) 3845, 124 (1968) 3875, 125 (1969) 3905, 126 (1970) 3935, 127 (1971) 3965, 128 (1972) 3995, 129 (1973) 4025, 130 (1974) 4055, 131 (1975) 4085, 132 (1976) 4115, 133 (1977) 4145, 134 (1978) 4175, 135 (1979) 4205, 136 (1980) 4235, 137 (1981) 4265, 138 (1982) 4295, 139 (1983) 4325, 140 (1984) 4355, 141 (1985) 4385, 142 (1986) 4415, 143 (1987) 4445, 144 (1988) 4475, 145 (1989) 4505, 146 (1990) 4535, 147 (1991) 4565, 148 (1992) 4595, 149 (1993) 4625, 150 (1994) 4655, 151 (1995) 4685, 152 (1996) 4715, 153 (1997) 4745, 154 (1998) 4775, 155 (1999) 4805, 156 (2000) 4835, 157 (2001) 4865, 158 (2002) 4895, 159 (2003) 4925, 160 (2004) 4955, 161 (2005) 4985, 162 (2006) 5015, 163 (2007) 5045, 164 (2008) 5075, 165 (2009) 5105, 166 (2010) 5135, 167 (2011) 5165, 168 (2012) 5195, 169 (2013) 5225, 170 (2014) 5255, 171 (2015) 5285, 172 (2016) 5315, 173 (2017) 5345, 174 (2018) 5375, 175 (2019) 5405, 176 (2020) 5435, 177 (2021) 5465, 178 (2022) 5495, 179 (2023) 5525, 180 (2024) 5555, 181 (2025) 5585, 182 (2026) 5615, 183 (2027) 5645, 184 (2028) 5675, 185 (2029) 5705, 186 (2030) 5735, 187 (2031) 5765, 188 (2032) 5795, 189 (2033) 5825, 190 (2034) 5855, 191 (2035) 5885, 192 (2036) 5915, 193 (2037) 5945, 194 (2038) 5975, 195 (2039) 6005, 196 (2040) 6035, 197 (2041) 6065, 198 (2042) 6095, 199 (2043) 6125, 200 (2044) 6155, 201 (2045) 6185, 202 (2046) 6215, 203 (2047) 6245, 204 (2048) 6275, 205 (2049) 6305, 206 (2050) 6335, 207 (2051) 6365, 208 (2052) 6395, 209 (2053) 6425, 210 (2054) 6455, 211 (2055) 6485, 212 (2056) 6515, 213 (2057) 6545, 214 (2058) 6575, 215 (2059) 6605, 216 (2060) 6635, 217 (2061) 6665, 218 (2062) 6695, 219 (2063) 6725, 220 (2064) 6755, 221 (2065) 6785, 222 (2066) 6815, 223 (2067) 6845, 224 (2068) 6875, 225 (2069) 6905, 226 (2070) 6935, 227 (2071) 6965, 228 (2072) 6995, 229 (2073) 7025, 230 (2074) 7055, 231 (2075) 7085, 232 (2076) 7115, 233 (2077) 7145, 234 (2078) 7175, 235 (2079) 7205, 236 (2080) 7235, 237 (2081) 7265, 238 (2082) 7295, 239 (2083) 7325, 240 (2084) 7355, 241 (2085) 7385, 242 (2086) 7415, 243 (2087) 7445, 244 (2088) 7475, 245 (2089) 7505, 246 (2090) 7535, 247 (2091) 7565, 248 (2092) 7595, 249 (2093) 7625, 250 (2094) 7655, 251 (2095) 7685, 252 (2096) 7715, 253 (2097) 7745, 254 (2098) 7775, 255 (2099) 7805, 256 (2100) 7835, 257 (2101) 7865, 258 (2102) 7895, 259 (2103) 7925, 260 (2104) 7955, 261 (2105) 7985, 262 (2106) 8015, 263 (2107)

Dr. S.P. AGGARWAL
(Principal)

C. Sheila Reddy

131

Mr. Sahil Pathak
(Convenor)

PRINCIPAL
Sri Venkateswara College
Dhola Kuan, New Delhi-110021

Lecture Series on *Introductory Macroeconomics*



Resource Person:
Dr. Krishnakumar S.

Assistant Professor,
Sri Venkateswara College, University of Delhi



Established in 1866

Department of Economics
University College
Thiruvananthapuram

Date: 8, 9 & 10 March, 2021

Time: 6.30 PM

Click here to join

Day 1

meet.google.com/ebz-ystt-hjq

Day 2

meet.google.com/kcj-dvkw-oqb

Day 3

meet.google.com/qnf-jngi-ooe

Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhola Kuan, New Delhi-110021

HOD

Dr. Anilkumar P.

Principal

Dr. B. Unnikrishnan Nair



Under the aegis of Ministry of Human Resource Development
Department of Computer Science, Mata Sundri College for Women
University of Delhi
In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College



This is to certify that

Dr. Kameswara Sharma YVR

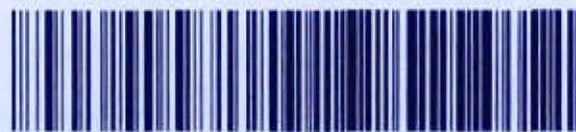
of

**Department of Biochemistry, Sri Venkateswara College, University of
Delhi, New Delhi**

has successfully completed two weeks' Faculty Development Program on
"ICT Based New Paradigms of E-Teaching and E-Learning : Digital Pedagogy"
from September 15- September 30, 2020 and obtained a
grade **A+**



C. Sheila Reddy



Blockchain Hash: 0xc9aa6369ce1ec5d043682829e29aff29fbb22ca278c6fa14b8276d8162fccc6

S.P. Aggarwal

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Nidhi

Dr. Nidhi
(Convenor)
Mata Sundri College for
Women

Kiranjeet Sethi

Dr. Kiranjeet Sethi
Chief-Coordinator
Mata Sundri College for
Women

Harpreet Kaur

Prof. Harpreet Kaur
Principal
Mata Sundri College for
Women



Centre for Professional Development in Higher Education
University of Delhi

UGC-HRDC



CPDHE/20/WS-PDLS-LDP/40

25th August 2020

TO WHOMSOEVER IT MAY CONCERN
PROVISIONAL CERTIFICATE

This is to certify that Mr./Ms./Dr. **Vartika Mathur** from **Sri Venkateswara College, University of Delhi** has successfully completed the **Workshop on Personality Development and Leadership Skills (LDP-1)** conducted by the Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi during **25th July 2020 to 31st July 2020**.

Further, due to COVID-19 pandemic, the certificate of the above said course are under process. So, treat this as a Provisional Certificate of the **Workshop on Personality Development and Leadership Skills (LDP-1)**. CPDHE assures you to forward the appropriate Certificate in due course of time.

Yours sincerely

Dr. Nityananda Agasti
Workshop Convenor
Deen Dayal Upadhyaya College
University of Delhi

Prof. Geeta Singh
Director
CPDHE, UGC-HRDC

Checked by

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



SRI VENKATESWARA COLLEGE (UNIVERSITY OF DELHI)



This is to certify that

Dr. Swarn Singh of Sri Venkateswara College, University of Delhi

attended the workshop commemorating **7th INTERNATIONAL YOGA DAY** on 21 June 2021, organized by Department of Physical Education, under the aegis of IQAC, Sri Venkateswara College, University of Delhi.

Dr. Narendra Gaur
Head, Physical Education

Dr. Kameshwar Sharma
Convener, Sports Committee

Prof. C. Sheela Reddy
Principal, SVC

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

No:ATAL/2020/1597761918



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 **ALOK KUMAR SINGH**, Assistant Professor of **Sri Venkateswara College, University of Delhi** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online FDP** on "**Data Sciences**" from **2020-9-21** to **2020-9-25** at **NIT Raipur**.

Director ATAL Academies
PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110024



Coordinator



Under the aegis of Ministry of Education
Department of Statistics & IQAC, Hindu College
University of Delhi
In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College



This is to certify that

RAMESH KUMAR

of

Sri Venkateswara College - (University of Delhi)

successfully completed One Week FDP on
"E- Learning and Developing MOOCs for Teaching Process in Higher Education"
held from December 14 - December 20, 2020 and obtained a
grade **A+**



Blockchain Hash: [0x92b5ebb96a8de0330f044dcda9fe9514ec7b489d672c8c08f2250d44ce71a367](#)

Dr. S.P. Aggarwal *C. Sheela Reddy*

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. Manoj Kumar Varshney

Dr. Manoj Kumar Varshney
(Convenor)
Hindu College

Dr. Anju Srivastava

Dr. Anju Srivastava
Principal
Hindu College



**Mahatma Hansraj
Faculty Development Centre**

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)



सत्यमेव जयते
Ministry of Education
Government of India

Certificate

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

Akash

from

Sri Venkateswara College, University of Delhi

has successfully completed

One week (Online) Interdisciplinary Faculty Development Programme on

"Intellectual Property Rights"

(10th February - 17th February, 2021)

organised by

IQAC, Hansraj College, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi

Dr. Jyoti Bhola
Coordinator, MHRFDC

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Prof. Rama
Chairperson, MHRFDC



**Mahatma Hansraj
Faculty Development Centre**

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)



सत्यमेव जयते
Ministry of Education
Government of India

Certificate

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

Dipika

from

Sri Venkateswara College, University Of Delhi

has successfully completed

One week (Online) Interdisciplinary Faculty Development Programme on

"Intellectual Property Rights"

(10th February - 17th February, 2021)

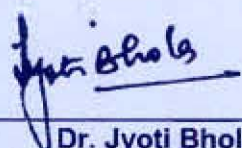
organised by

IQAC, Hansraj College, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi



Dr. Jyoti Bhola
Coordinator, MHRFDC



PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



Prof. Rama
Chairperson, MHRFDC



CEMCA

Commonwealth Educational Media Centre for Asia
in collaboration with



Rajiv Gandhi University, Arunachal Pradesh
Conducted by -



Institute of Distance Education, RGU

CERTIFICATE OF PARTICIPATION

Online Capacity Building of Teaching Staff
on Development of Online Courses

This is to Certify that

DR. NINGMUANCHING

has participated in the three Days Workshop on "Online Capacity Building of Teaching Staff on Development of Online Courses" held online on Monday, 6th to Wednesday, 8th July 2020.

Prof. Madhu Prahar
Director
CEMCA, New Delhi

PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110021

Prof. Ashan Riddi
Director, IDE, RGU

Dr. Manas Ranjan Panigrahi
Workshop Coordinator
CEMCA, New Delhi



Moyir Riba
Workshop Coordinator
IDE RGU



Teaching Learning Centre, Ramanujan College
University of Delhi

under the aegis of
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING



This is to certify that

Dr. Ningmuanching

of

Sri Venkateswara College, History Department

successfully completed a 2-Week Faculty Development Programme on
"MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0"
from July 25 - August 10, 2020 and obtained
grade **A+**



Blockchain Hash: 0x46232c17c0709afc73f0b10d6ba3c355054c37b72f09f5d7153620862e584aa

[Signature]

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

[Signature]

Mr. Sahil Pathak
Convenor
Ramanujan College



**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



This is to certify that

Dr. Haokam Vaiphei

of

Department of Political Science, Sri Venkateswara College

successfully completed a 4-Week Induction/Orientation Programme for

"Faculty in Universities/Colleges/Institutes of Higher Education"

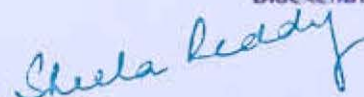
from *May 18 - 17 June, 2021* and obtained

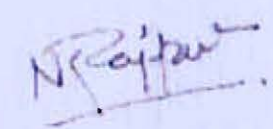
Grade A+.



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


PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021


Dr. Nikhil Kr. Rajput
(Programme Director)
Ramanujan College



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



This is to certify that

Dr. Haokam Vaiphei

of

Department of Political Science, Sri Venkateswara College, University
of Delhi

has successfully completed ONLINE TWO - WEEK REFRESHER COURSE IN
POLITICAL SCIENCE on the theme

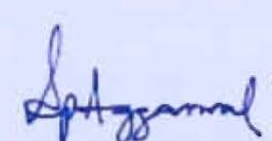
"Laws, Democracy and Institutions"

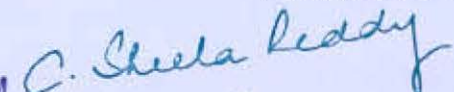
from 26 April-11 May, 2021

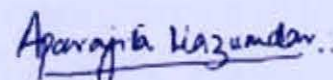
and obtained Grade A+.

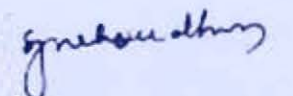


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PROF. S.P. AGGARWAL
(Director, TLC)
Ramanujan College


PRINCIPAL
Sri Venkateswara College
Dhola Kuan, New Delhi-110021


Dr. Aparajita Mazumdar
(Convener)
Ramanujan College


Mr. J. N. Choudhury
(Programme Director)
Ramanujan College



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



This is to certify that

Deepika Singh

of

Sri Venkateswara College, University of Delhi

has successfully completed ONLINE TWO - WEEK REFRESHER COURSE IN

POLITICAL SCIENCE on the theme

"Laws, Democracy and Institutions"

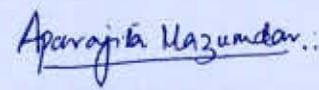
from 26 April-11 May, 2021

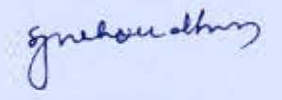
and obtained Grade **A+**.



Blockchain Hash: 0x0d71d4d1f5fda3ffb7a261286de2d7b1141cb028da64ade7a5e71b31e16ffc97


PRINCIPAL
Sri Venkateswara College
Dhaula Kuan, New Delhi-110021
PROF. S.P. AGGARWAL
(Director, TLC)
Ramanujan College


Dr. Aparajita Mazumdar
(Convener)
Ramanujan College


Mr. J. N. Choudhury
(Programme Director)
Ramanujan College



Government of India
Ministry of Human Resource
Development

*Teaching Learning Centre
Ramanujan College
University of Delhi*

Sponsored by
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
PANDIT MADAN MOHAN MALAVIYA
NATIONAL MISSION ON TEACHERS AND TEACHING

Certificate

This is to certify that

Dr. Haokam Vaiphei

of

Department of Political Science, Sri Venkateswara College

successfully completed Two Weeks Faculty Development Programme on
"ADVANCED CONCEPTS FOR DEVELOPING MOOCS"
from July 02 - July 17, 2020.



Dr. S.P. AGGARWAL
(Principal)

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. Ashish Kumar Shukla
(Convenor)



FACULTY DEVELOPMENT PROGRAMME
ICT Enhanced Teaching and Learning 2.0
July 25-29, 2020

THIS IS TO CERTIFY THAT

NAMITA PANDEY

a faculty of Department of Political Science,
SRI VENKATESWARA COLLEGE has participated in the
FACULTY DEVELOPMENT PROGRAMME on ICT Enhanced
Teaching and Learning 2.0 held from July 25-29, 2020,
organized by

ICT & IQAC, Sri Venkateswara College, University of Delhi.

C. Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. S. Venkata Kumar

DR. S. VENKATA KUMAR
ACTING PRINCIPAL



FACULTY DEVELOPMENT PROGRAMME
ICT Enhanced Teaching and Learning 2.0
July 25-29, 2020

THIS IS TO CERTIFY THAT

DEEPIKA SINGH

a faculty of Department of Political Sciences,
SRI VENKATESWARA COLLEGE has participated in the
FACULTY DEVELOPMENT PROGRAMME on ICT Enhanced
Teaching and Learning 2.0 held from July 25-29, 2020,
organized by
ICT & IQAC, Sri Venkateswara College, University of Delhi.

Dr. S. Venkata Kumar

DR. S. VENKATA KUMAR
ACTING PRINCIPAL

C. Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



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

Certificate

This is to certify that

**Dr. Arun Kumar Bhardwaj, Assistant
Professor**

of

Deptt. Of Hindi, Sri Venkateshwara College, D.U.

successfully completed Two Week Online Faculty Development Program on
"The Role of ICT in the Development of Massive Open Online Courses
(MOOCs) in Higher Education"

August 14 - August 28, 2020

obtained grade **A**



Dr. S.P. AGGARWAL
(Principal)
Director, TLC
Ramanujan College

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. ALOK RANJAN PANDEY
Programme Director
TLC
Ramanujan College



This is to certify that

Dr Rajni Arora

et

Sri Venkateswara College, University of Delhi, New Delhi
has successfully completed Online-One Week Faculty Development Programme
on

"Data Analysis Using R"

from 15 - 21 June, 2021 and obtained

Grade A+



Blockchain Hash: <https://blockchainexplorer.com/address/1A1zP1eP5QGefi2DMPTfLF56UWhruybHcu>

अष्टम

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

Shelly

Dr. Ashish Kr. Shukla
(Convener)
Ramarajan College

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



श्री वेण्कटेश्वर कॉलेज
धौला कान, नई दिल्ली

CERTIFICATE

AT PROFESSIONAL LEVEL

WhiteCode
Engineering Partners
Creating Tomorrow's
Leaders Today

Awardee: To

Dr. Swarn Singh

Sri Venkateswara College

for successfully completing a course on
"Effective Documentation for Accreditation"

with



Grade

organized by IQAC Cluster India in collaboration with "WhiteCode"
from 15 Sept 2020 to 10 Nov 2020.

The certificate was awarded to the awardee on the basis of the marks obtained in the
examination and the performance of the awardee.

Dr. R. M. Patil

DR. R. M. PATIL
Head, Academic Programs
Sri Venkateswara College, India

Connect ID: IN0736

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhola Kuan, New Delhi-110021

Prof. Peeyush Pahade

PROF. PEYUSH PAHADE
Co-founder
WhiteCode India

Grades: 80%+ (Outstanding) | 70-79% (Excellent) | 60-69% (Good) | 40-59% (Fair) | Below 40% (Poor)



Guru Angad Dev
Teaching Learning Centre
A Centre of MHRD
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Human Resource Development



Connecting World
International Women's Club,
New Delhi

Certificate

16th October to 22nd October 2020

ONE WEEK FACULTY DEVELOPMENT PROGRAM

"Enhancement of Teacher's Skills for Disaster Risk Reduction"

This is to certify that

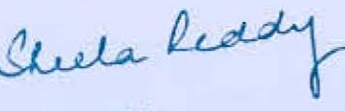
GEETA JAYARAM SODHI of SRI VENKATESWARA COLLEGE, DU

has **successfully completed** One Week National Online Faculty Development Program jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD and International Women's Club, New Delhi & Aditi Mahavidyalaya, University of Delhi. This was conducted in online mode with full One Week commitment through Live Sessions, Quizzes, Project and Assessment. This is equivalent to One week face to face FDP.

The participant has obtained **GRADE A** as required for promotion under CAS of UGC and AICTE.


Dr. Vimal Kharh

National Coordinator
GAD TLC of MHRD


PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021


Dr. Mamta Sharma

Chairperson FDP
Principal, Aditi Mahavidyalaya,
University of Delhi


Dr. Ritu Saxena

Secretary
International Women's Club

UNIQUE CERTIFICATE NO:GAD-TLC/2020-21/OFDP18/006



UGC

HUMAN RESOURCE DEVELOPMENT CENTRE

Jamia Millia Islamia, New Delhi

Certificate Of Participation

UGC Sponsored Online Refresher Course in Geography & Environmental Studies

This is to certify that

*Padma Priyadarshini, Assistant Professor
Sri Venkateswara College, University of Delhi, Delhi*

*participated in the First Online two-week Refresher Course in Geography & Environmental Studies
organized by the UGC – HRDC, Jamia Millia Islamia, New Delhi
from 9th November to 24th November, 2020 and obtained
grade.....A.....*

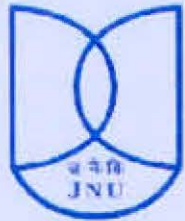
PRINCIPAL
Dr. Taruna Bansal
Sri Venkateswara College,
Chaula Kuan, New Delhi-110021
Course Coordinator

Dr. Praveen Kumar Pathak
Course Coordinator

Prof. Anisur Rahman
Director

Dr. Nazim Husain Al-Jafri
Registrar

HRDC5704152020



UNIVERSITY GRANTS COMMISSION
HUMAN RESOURCE DEVELOPMENT CENTRE (HRDC)
JAWAHARLAL NEHRU UNIVERSITY



UGC - SPONSORED REFRESHER COURSE (ONLINE)

This is to certify that

Dr. Padma Priyadarshini, Assistant Professor
Sri Venkateswara College Affiliated to University of Delhi, New Delhi

participated in the Refresher Course in Teacher's Education
from 1st December, 2020 to 14th December, 2020 and obtained Grade.....**A only**

Dr. Parimala V. Rao & Dr. Arvind Kumar Mishra
Course Coordinators

Prof. Brajesh Kumar Pandey
Director

Prof. M. Jagadeesh Kumar
Vice Chancellor

Place : New Delhi
Date : 14/12/2020

C. Sheila Reddy
PRINCIPAL
Sri Venkateswara College
Dhola Kuan, New Delhi-110021

UNIVERSITY GRANTS COMMISSION
HUMAN RESOURCE DEVELOPMENT CENTER

Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
AURANGABAD-431 004 MAHARASHTRA(INDIA)

NAAC Reaccredited "A"



ज्ञान-विज्ञान विमुक्तये



UGC SPONSORED ONLINE REFRESHER COURSE

This is to certify that

Dr. Mr. / Mrs. / Miss. Padma Priyadaeshini
Assistant Professor in Sociology, Sri Venkateswara
College, South West Delhi, Delhi
Affiliated to University of Delhi

Participated in the Online Refresher Course in the subject _____

Disaster Management Scheduled

from 01/01/2021 to 15/01/2021 and obtained Grade A

Bamdehla
DIRECTOR

Ug
COURSE COORDINATOR

John
VICE-CHANCELLOR

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



FACULTY DEVELOPMENT PROGRAMME
ICT Enhanced Teaching and Learning 2.0
July 25-29, 2020

THIS IS TO CERTIFY THAT

NANDITA NARAYANASAMY

a faculty of Department of Biochemistry
SRI VENKATESWARA COLLEGE has participated in the
FACULTY DEVELOPMENT PROGRAMME on ICT Enhanced
Teaching and Learning 2.0 held from July 25-29, 2020,
organized by
ICT & IQAC, Sri Venkateswara College, University of Delhi.

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. S. Venkata Kumar

DR. S. VENKATA KUMAR
ACTING PRINCIPAL



Under the aegis of Ministry of Education
Department of Commerce & IQAC, Sri Venkateswara College
University of Delhi
In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College



This is to certify that

Dr. Anju Kaicker, Associate Professor

of

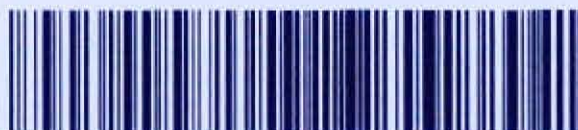
Department of Biochemistry, Sri Venkateswara College

successfully completed One Week FDP on
"HIGHER EDUCATION: ROAD AHEAD DEVELOPING NEXT GENERATION
ACADEMIC LEADERS"

*held from November 25- December 01, 2020 and obtained a
grade A+*



C. Sheela Reddy
PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021



[Blockchain Hash: 0x506f8e2fa6d9f95a93134d0e6febcad61447bce712fb87c9dd7155916e878f](#)

S.P. Aggarwal

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

Dr. S. Venkata Kumar

Dr S. Venkata Kumar
Principal
Sri Venkateswara College



Under the aegis of Ministry of Education
Department of Commerce & IQAC, Sri Venkateswara College
University of Delhi
In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College



This is to certify that

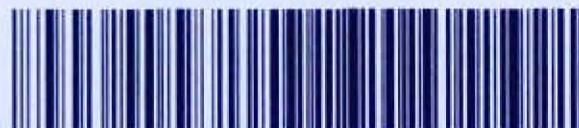
Dr. N. Latha, Associate Professor & IQAC Coordinator

of

Sri Venkateswara College , University of Delhi

successfully completed One Week FDP on
"HIGHER EDUCATION: ROAD AHEAD DEVELOPING NEXT GENERATION
ACADEMIC LEADERS"

*held from November 25- December 01, 2020 and obtained a
grade A+*



[Blockchain Hash: Dc7ec0857a9de4df1c3f00e2290c919daf17a6f86f662392da55a9abe4241a040b](#)

Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr S. Venkata Kumar
Principal
Sri Venkateswara College



Heartfulness Education Trust

From Wonder,
Wisdom



Heartfulness
Education Trust

Certificate Of Participation

This is to certify that Ms/Mr. Latha Narayanan has participated in the National Education Conclave on 'Re-Imagining University Education with a Heart-Centered Approach' held on 12th and 13th January 2021.

Dr. Nivedita Shreyans
Convener
National Education Conclave

PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021



Samunnati

Mr. Ramesh Krishnan
Conference Director
National Education Conclave



FACULTY DEVELOPMENT PROGRAMME
ICT Enhanced Teaching and Learning 2.0
July 25-29, 2020

THIS IS TO CERTIFY THAT

N. LATHA

a faculty of Department of Biochemistry,
SRI VENKATESWARA COLLEGE has participated in the
FACULTY DEVELOPMENT PROGRAMME on ICT Enhanced
Teaching and Learning 2.0 held from July 25-29, 2020,
organized by
ICT & IQAC, Sri Venkateswara College, University of Delhi.

Dr. S. Venkata Kumar

DR. S. VENKATA KUMAR
ACTING PRINCIPAL

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
Dhula Kuan, New Delhi-110021



Under the aegis of Ministry of Education
Department of Commerce & IQAC, Sri Venkateswara College
University of Delhi
In Collaboration with
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching
Teaching Learning Centre, Ramanujan College

This is to certify that

Mr. Nikhil Yadav, Assistant Professor

of

Department of English, Sri Venkateswara College, University of Delhi

successfully completed One Week FDP on
"HIGHER EDUCATION: ROAD AHEAD DEVELOPING NEXT GENERATION
ACADEMIC LEADERS"

*held from November 25-December 01, 2020 and obtained a
grade A*



Barcode Hash: 07ba7f7bba0ec726665c138e6c6299a43bb71a729a557d8184019c0c1e8b2



S. P. Aggarwal
Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College

C. Venkata Kumar

Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Dr. S. Venkata Kumar
Principal
Sri Venkateswara College



S.No. FDP30071



**Mahatma Hansraj
Faculty Development Centre**

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Nikhil Yadav

from

Sri Venkateswara College, University of Delhi

has participated in

One week (Online) Faculty Development Programme on
"Moving Towards New Normal through Effective Online Teaching"
(1st December - 7th December, 2020)

organised by

Kalindi College, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre
Hansraj College, University of Delhi.

Dr. Nidhi Arora
FDP Convener,
Kalindi College

Dr. Jyoti Bhola
Coordinator, MHRFDC

Prof. Rama
Chairperson, MHRFDC

PRINCIPAL
Sri Venkateswara College
Bhaura Kuan, New Delhi-110021



NATIONAL APEX CHAMBER

Faculty Development Program (FDP) on Consulting Skills

Saturday, 6th March 2021

Certificate of Participation

This certificate is awarded to

Swarn Singh

**for participating in Faculty Development Program (FDP)
on Consulting Skills on 6th March 2021**

The conference was organized by the Education Committee of PHD Chamber of Commerce and Industry, New Delhi in its endeavour to promote skilful learning experience to the learners from various fields to prepare them for taking on consulting projects with the industry.

PHD Chamber of Commerce and Industry, established in 1905, is a proactive National Apex Chamber working at the grass root level and with strong national and international linkages. PHD Chamber, through its research-based policy advocacy role, positively impacts the economic growth and development of the nation.

It is one of the Premier Chambers in India to have been accredited with "Diamond Grade" by NABET (QCI), at national and international level.

Saurabh Sanyal
Secretary General, PHDCCI

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr. Jatinder Singh
Director, PHDCCI

PHD CHAMBER OF COMMERCE AND INDUSTRY

PHD House, 4/2 Siri Institutional Area, August Kranti Marg, New Delhi - 110 016
Fax: 91-11-28855450, 49545451; Website: www.phdcci.in



Department of
BioTechnology,
Government
of India

Certificate of Achievement

This is certified that

DR NISHA BOHRA

has attended one Week online Workshop

July 27 to July 31, 2020 on

*Data Manipulation and Visualization through Statistical Software R
organized by*

Zakir Husain Delhi College (University of Delhi)

under the aegis of DBT-Star College Scheme, Govt. of India

Dhiraj Kumar Singh

Dr Dhiraj Kumar Singh

Course Convenor

Shishodia C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Dr P K Shishodia

Co-ordinator, DBT Star College Scheme

Prof (Dr) M A Beg

Principal



Ministry of Education
Government of India
सत्यमेव जयते

**Mahatma Hansraj
Faculty Development Centre**

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Nisha Bohra

from

Sri Venkateswara College, University of Delhi

has successfully completed

*One week (Online) Faculty Development Programme on
"Applications of Algebra and Number Theory in Network Security"
(22nd December - 29th December, 2020)*

organised by

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi

C. Sheila Reddy

Dr. Jyoti Bhola

Dr. Jyoti Bhola
Coordinator, MHRFDC

PRINCIPAL
Sri Venkateswara College
Dhola Kuan, New Delhi-110021

Prof. Rama

Prof. Rama
Chairperson, MHRFDC



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. Nisha Bohra

of

Sri Venkateswara College, University of Delhi

has successfully completed TWO-WEEK REFRESHER COURSE IN

**"MATHEMATICS" organized by "Department of
Mathematics, Ramanujan College"**

from 16-30 March 2021

and obtained Grade A+.



Blockchain Hash: 0x1dc2cb5d98d1ab81102518e308a0cfbb678bede47f0dab4debc298caf6a0a57

S.P. Aggarwal

Dr. S.P. AGGARWAL
(Principal)
Ramanujan College

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

Rajesh Singh

DR. RAJESH SINGH
(Convenor)
Ramanujan College

Virendra Kumar

DR. VIRENDRA KUMAR
(Co-Convenor)
Ramanujan College

Click on the link

(http://svc.ac.in/SVC_MAIN/IQAC/IQAC%20Activity/Report_ICT%20Enhanced%20Teaching%20Learning%202.0_July%2025-29,2020_SVCollege.pdf)

for the following participants:

AASHISH JAIN

Ajit Singh

Akanksha Gupta

Amit kumar jha

Dr Jai Vinod

Dr Kameshwar Sharma YVR

Dr Mainak Mukherjee

Dr Pooja Jain

Dr Preeti Khandelwal

Dr Rajni Arora

Dr Santosh Kumar

Dr Shukla Saluja

Dr. Abhishek Chandra

Dr. Aditi Kothari-Chhajer

Dr. Amit Vashishtha

Dr. Deepti Jain

Dr. Garima Saxena

Dr. Garima Virmani Arora

Dr. GPC Rao

Dr. HAKAM VAIPHEI

Dr. Kalyani Krishna

Dr. Mukti Kanta

Dr. Nisha Bohra

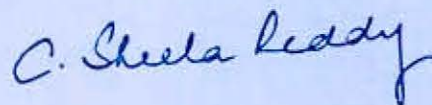
Dr. Padma Suresh

Dr. Pamil Tayal

Dr. Pooja Gokhale

Dr. Raj Kishor

Dr. Sunita Atal



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Dr. Sunita Yadav
Dr. Tabassum Afshan
Dr. Vinita Kapoor
Dr. Anju Kaicker
Dr. Narendra Gaur
Dr. Neeti Mehla
Dr. Pragya Gahlot
Dr. Shakuntala Meena
Geeta Jayaram Sodhi
K Chandramani Singh
Meenakshi Bharat
Meeta Bhardwaj
Neha Mongia
Neha Singhal
Ningmuanching Assistant
Nupurnima Yadav
Nutti Namita
Pratibha Gaur
Pratima Vyas
Rajbir Kaur
Renu Jain
Shakuntla Wadhwa
Shilpa
Shivani Kalra
Sindhmani Bag

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CPDHE (UGC-HRDC)

Centre for Professional Development in Higher Education
Human Resource Development Centre
University of Delhi, Delhi

Certificate

UGC-Sponsored Workshop

This is to certify that

Anju Kaicker

Sri Venkateshwara College, University of Delhi

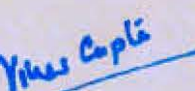
Participated in the online Workshop on

Personality Development and Leadership Skills (LDP-1)

from **July 25, 2020** *to* **July 31, 2020**


Workshop Convenor


Director


Registrar

PRINCIPAL
Sri Venkateshwara College
Chandlo Kuan, New Delhi-110021

**Continuing Education Programme (CEP)
AIDDI-2021**

**02nd- 04th February 2021,
INMAS-Delhi**

**ARTIFICIAL INTELLIGENCE IN DRUG DEVELOPMENT
AND ITS IMPLICATIONS**



Dr Shubhra Chaturvedi
Scientist E
Course Coordinator

C. Sheila Reddy

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Sri Venkateswara College
Dhula Kuan, New Delhi-110021

Dr Puja Panwar Hazari
Scientist F
Course Co-coordinator

PREFACE

On behalf of the INMAS organizing committee, we are delighted to welcome all participants to the Continuing Education Programme (CEP).

The CEP "Artificial Intelligence in Drug Development and Its Implications (AIDDI-2021)" will be a platform for researchers to exchange ideas, discover novel opportunities in cutting-edge research within Artificial Intelligence. Empowering DRDO with Artificial Intelligence- AIDDI 2021 will broadly cover all Artificial Intelligence disciplines from fundamental analysis to "Big Data" applications such as the data in genomics and proteomics, with a particular emphasis on global-data and scientific interactions.

We have invited renowned researchers across the country as speakers and as detailed in this program book. The three-day technical program includes two sessions each day- one as lecture series and hands-on training.

We want to thank all the authors and participants of CEP "Artificial Intelligence in Drug Development and Its Implications (AIDDI-2021)", INMAS, and DESIDOC for providing the Deeksha platform. Without their effort, AIDDI could not have taken place. We also thank the Schrödinger team for the online workshop. We are also grateful to have the local arrangements team for their diligent effort in managing the logistics.

We hope that all the participants will have a pleasant time and find the AIDDI-2021 a fruitful event.

Dr Shubhra Chaturvedi
Scientist E
Course Coordinator

Dr Puja Panwar Hazari
Scientist F
Course Co-coordinator



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The first instance of Artificial intelligence that crosses the mind is ũ ..

Movies! Yes, Hollywood movies!!!!

Artificial Intelligence has been once harboured as a science fiction pipe dream for entertaining and as a way to animate sci-fic characters in shows. The fascination with the topic has spanned decades leading to some top-rated movies (Star Trek, Terminator, Tron, Agent Smith ũ ũ and the list goes on) with AI as a focal point topic.



As it turns out, AI technology has evolved into something very real. Talking phone apps and smart appliances that obey our commands have entered our lives and are being tuned to the point of mimicking near human behaviors. Thanks to AI!!!! And in turn, AI has found its way into the core of our lives, performing requested tasks at our bidding.

So, Artificial Intelligence is real and here, but what exactly is AI, its relevance, and potential?

More seemingly, being part of the CEP, we would also like to address the AI's role and its fate in life sciences, the reasonability in expectations from AI that the AI tools will help us achieve our goals faster and more efficiently than ever, and the questions and doubts that still linger about AI and its benefits.

"Mark my words, AI is far more dangerous than nukes."

- **Elon Musk**, owner electric car company **Tesla** (while he worries about artificial intelligence (AI) taking over and becoming too "smart" for humans to handle in the future)

Tesla self driven car, without the need of a driver steering the wheel or pushing the pedals.



What is AI

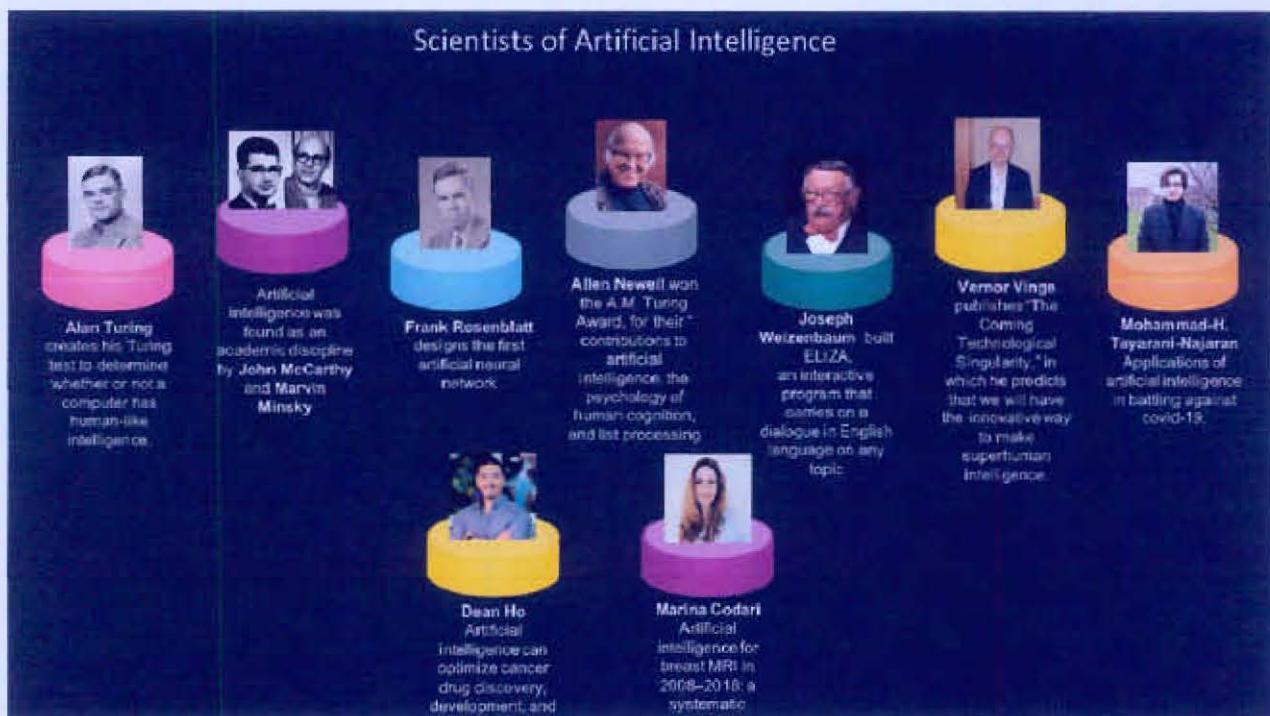
Artificial intelligence is defined as the computer simulation of the processes such as learning and reasoning, typical of human intelligence.

The Oxford dictionary defines AI as "computer systems able to perform tasks normally requiring human intelligence such as visual perception, speech recognition, decision-making, and translation between languages."



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The real goal of AI is to understand and build devices that can perceive, reason, act, and learn at least as well as we can.
– Astro Teller



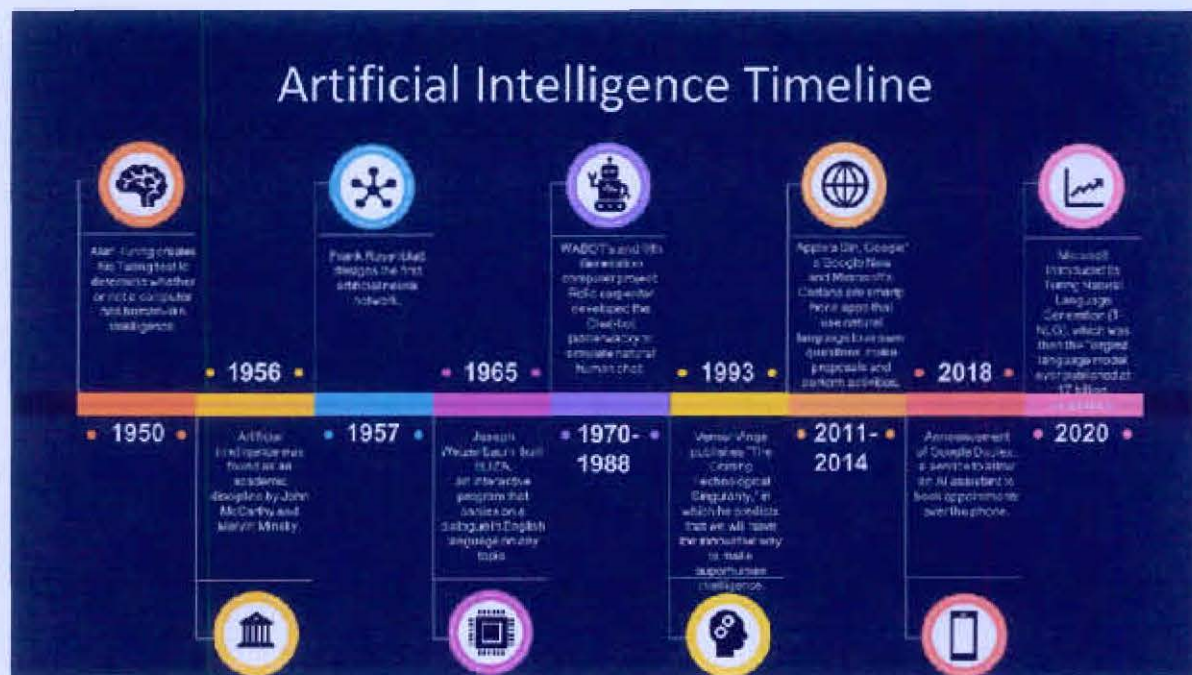
Historical milestones of AI

In 1956, AI was founded as an academic discipline by a group of experts as part of a summer research project to tackle every aspect of intelligence and learning that, in principle, can be described precisely to the point that a machine can simulate it. The researchers, McCarthy- Dartmouth College, Marvin Minsky- Harvard University, Nathaniel Rochester- IBM, and Claude Shannon- Bell Telephone Laboratories, directed the objectives to have automatic computers programmed, neuron nets, and self-improvement.

The project proved to be a starting point for an idea that supported the creation of intelligent computers. A new hopeful era of Artificial Intelligence had begun.

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As time progressed, researchers worked towards the goal to get computers to behave like humans and thus become "intelligent." AI is largely based on complex mathematical algorithms that are coded into computer software. The algorithms read and compute vast amounts of data to give a computer the ability to predict a specific result. The more data the computer has to work with, the more "intelligent" it becomes. Artificial Intelligence is a computer that is given human-like properties.

How the data is collected and computed determines how AI is sub-categorized. Data analysts can view AI along a spectrum. On one end, there is rule-based automation.

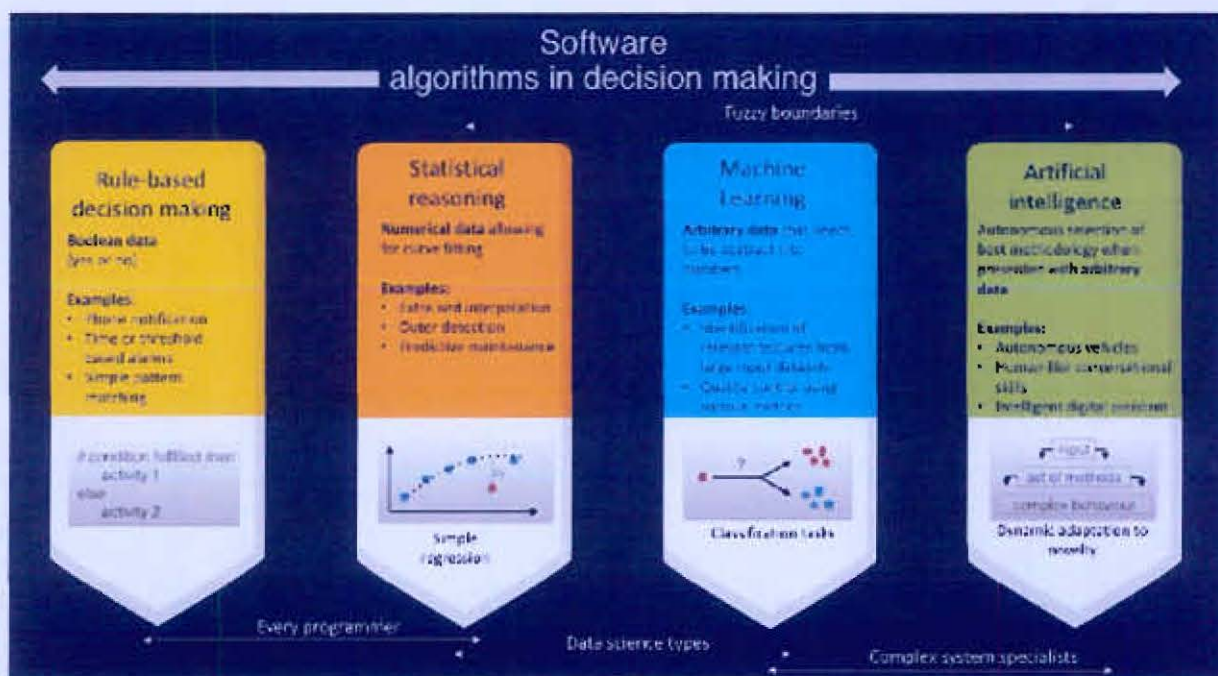
The water block in a toilet is artificially intelligent;
it knows exactly when to open the valve to let water in and exactly when to stop doing that.
That's an intelligent process. It is rule-based automation: if X, then Y.

On the other end, technologies such as natural language processing (NLP), machine/deep learning, chatbots, and virtual agents.

1. NLP - the interaction between computers and humans through language, for example, deriving meaning and sentiment from speech and text to generating language-based responses.
2. Machine/deep learning- uses historical facts to uncover patterns in that data, i.e., teaching an algorithm to recognize patterns and hypothesize that whatever happened in the past is a good predictor for the future.

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AI is about making decisions. It's the decision-making that is important.

Artificial intelligence is about replacing human decision making with more sophisticated technologies."
— Falguni Desai

Machine learning is the art of study of algorithms that learn from examples and experiences. Machine learning identifies some data patterns and uses them for predictions. In contrast to hardcoding rules, in AI the machine learns on its own to find such rules. Machine learning works by collecting and organizing data in several layers.

Machine learning/ Deep learning methods are smart enough to interpret data without input from a person telling the software what to compute. This type of AI mimics human behavior and mimics how humans take in new information.

The MIT computer science engineer **Arthur Samuel** coined the term machine learning in 1959 while creating computer games.



Arthur Samuel demos his checkers program to the public in 1956 (source: IBM)

A sub-field or a sub-set of machine learning is Deep Learning, wherein the layering complexity increases. The number of layers in the model represents the depth of the model. The method categorically separates data into different layers stacked on top of each other, and the layers communicate as the new data is entered. An image recognition module of Google LeNet has as many as counts of 22 layers. The learning phase is thus similar to a digital structure of a neural network of a brain. In summary, deep learning software takes data connections between

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The methods are based on pattern recognition developed as Prediction software with the typical weather forecast and medical applications such as in diagnostic tools.

Increasing impact of AI

AI is used in all industries, from marketing to supply chain, finance, food-processing sector.

AI is a tool. The choice about how it gets deployed is ours."

– Oren Etzioni

AI -Transforming the Life Sciences

Artificial intelligence (AI) is anticipated to reshape the R&D sector of life sciences. AI represents an opportunity for life sciences R&D at all levels – organization structures, processes, and people. Although most activities of AI are in the exploratory phases, some benefits are starting to emerge. AI in medicine is expected to provide:

1. composite and panoramic overview of individuals' medical data,
2. improve decision-making,
3. reduce errors of misdiagnosis,
4. curtail unnecessary procedures,
5. aid interpretation of tests result, and
6. recommend treatment- all in all- facilitate medical management.

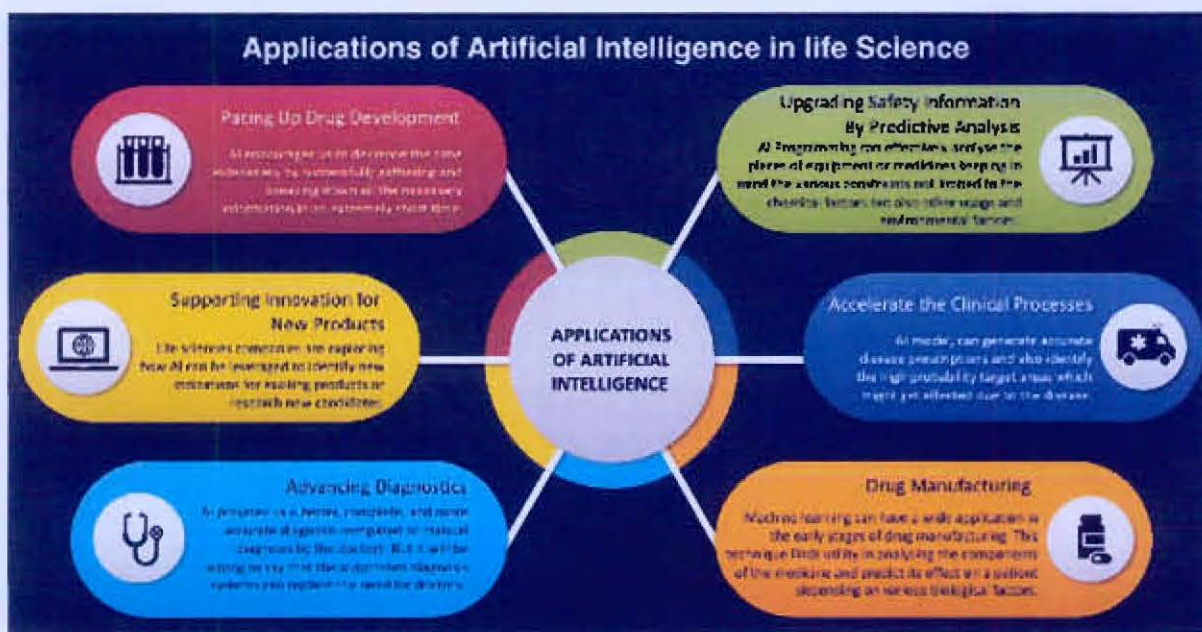
AI is already a big player in the life science industries, making huge impacts already. The emergence has been fuelled mainly by the substantial medical data and technologically capable hardware. And there are pockets of early adopters trailblazing new approaches and seeking a competitive edge to accelerate products to market, improve patient outcomes and care, and drive cost efficiencies.

There are numerous areas where the life science industry uses AI effectively today. The most prominent area being drug development. As pharma companies rely on the up-and-coming AI technology to speed up their drug discovery projects, patients' diagnosis and treatment are becoming more effective.

KPMG analysis reflects venture capital investments in AI for healthcare soared from 0.1 in 2015 to 1.2 BUSD in 2017.

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01. Pacing Up Drug Development using screening methods

An average time and cost estimate for the new drug discovery and delivery to market is approximately a period of more than 10 years and cost of 2.6 BUSD. As the predicted trends hint to further increasing costs, the demand for speeding research and brining costs down has never been higher. This requirement was even more emphasised in the COVID pandemic, demanding researchers for anti-COVID drug within a period of months. Advancements in AI to reduce the time it takes to develop, manufacture, and launch new patient therapies have been and will remain to be the focus in life sciences R&D. With plenty of indications that AI canaid in streamlining the drug development process, it is not surprising that many R&D labs and drug developers are betting big on AI.

Among the various phases of the drug development, the early discovery phase primarily related to screening has particularly benefited from AI. Simply because of the nature of preliminary screening when researchers have to go through enormous amounts of data in order to screen thousands of potential molecular targets related to a specific disease. These targets are then cross-referenced with thousands of chemical or biological compounds with the potential of becoming the next blockbuster treatment.

Scientists are integrating research data, lab data, and clinical data, in combination with new information sources (e.g., social media and wearables) across the drug development spectrum, creating a holistic picture of the drug development candidate. Improving ways to acquire and mine data in real time allows scientists to use AI and machine learning to make improved decisions faster, which will accelerate the product development and scale-up process.

Big Pharma like AstraZeneca, Bayer, Novo Nordisk, GSK, and Pfizer have have all started collaborations with AI firms. The market analysts expect high profile deals as they forecast the global market for AI in drug discovery to grow at an annual rate of 40.8 percent through 2024, reaching 1.4 BUSD.

1. In 2019, the partnership between GSK and Exscientia- a UK based AI technology platform for small molecule drug discovery, produced its first drug candidate using AI: a potential therapy for chronic obstructive pulmonary disorder (COPD). This deal has been speculated to be the biggest deals of 2017 with GSK investing a sum of 33 MGBP.
2. In 2019, Celgene, the eye of cancer and inflammatory disease drug developer also liaised with Exscientia's AI platform, through a collaboration, worth 25 MUSD. The liaison aims to discover three preclinical candidates for cancer and autoimmune disease within 3 years, thus cutting discovery timelines by an estimated 75 per cent.

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02. Advancing Research of New Products

Not only screening understanding newer targets is another facet of application of AI. Life sciences companies are exploring how AI can be leveraged to identify new indications for existing products or research new candidates. Sophisticated learning algorithms and statistically robust methods will mine data to uncover mechanistic insights into diseases and aid in preclinical experiments. In the design of new drugs, AI tools can fill knowledge gaps of how potential drug molecules act on proteins. AI-powered capabilities, including data integration and interpretation, pattern recognition, and evolutionary modeling, are essential for gathering and analyzing the growing masses of data that fuel modern therapy development.

03. Advancing Diagnostics

One of the biggest challenges in medicine is diagnosis or early detection of disease. In a country like the US, diagnostic tests influence an estimated 60~70 percent of all cancer treatment decisions but account for only 5 percent of hospital costs. Technically, the overlapping symptoms of diseases create challenging tasks for health-workers to diagnose diseases accurately. Potentially, this impacts treatment, especially in cancer patients where the diagnosis can significantly influence the therapeutic outcome. Image analysis of histopathological sections, CT scans, X-ray images, and automated diagnosis use AI and pattern recognition, combined with complex algorithms to oversee the analysis and concentrate on more complicated cases. The AI platforms can process and analyze stockpiles of digital images saved as data over the years. As machines learn from the existing data, they can connect between each new image's details, and the corresponding diagnosis is given to the respective patients. These connections translate to accurate diagnostic predictions in new patients, often eliminating the need for invasive diagnostic procedures like biopsy, thus giving doctors more confidence in their diagnoses and patients more peace of mind.

AI saves time in data interpretation, but clinicians can also use AI-based mathematical approaches to study and compensate for errors, thereby facilitating tissue classification in virtual images.

04. Drug Manufacturing

As reported in March 2019, Exscientia and Celgene were reported to have "the largest deal in AI for drug discovery." Pharma companies can potentially implement AI in manufacturing drugs for higher productivity, improved efficiency, and faster production of life-saving medicines and quality control and Predictive maintenance.

05. Accelerating clinical process

Compliance such as anonymization or redaction of the patient information in Compliance, such as anonymization or redaction of the patient information in clinical submissions, is often a burden on companies and requires an approach to mitigate costs while meeting regulation. While generalist automation tools exist, many require higher accuracy levels needed to meet the requirements. Advanced algorithms based on customized NLP technologies incorporating scientific-specific taxonomies and text-mining models may facilitate anonymization or redaction using keywords, phrases, and data patterns.

Nearly 80 percent of clinical trials fail to meet their patient enrollment deadlines. AI technologies can make possible intelligent selection of new patients based on data points such as symptoms or biomarkers. The selection is fundamental for optimised clinical ensuring more accurate trial results followed by a smoother and quicker path towards market approval.

Combining unanalyzed historical structured and unstructured clinical trial data into advanced AI models can improve and accelerate clinical site and patient selection decisions by highlighting high-probability targets. Continuing to use advanced AI models during active clinical programs enables real-time adjustment and course corrections. Engaging high-probability success targets at clinical trial onset in combination with a willingness to make real-time course corrections increases the likelihood of meeting patient enrollment timelines.

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IBM, one of the pioneers in machine learning platform technology, along with Quest Diagnostics have combined state-of-the-art tumour sequencing with powerful cancer data analysis for the purpose of screening better drug targeted cancer patients.

-A step towards personalized medication

06. Upgrading safety information by predictive analysis

Life sciences companies are responsible for up-to-date information on the safety of their products. Pharmaceutical labels (e.g., package insert, patient information leaflets) are essential to communicate safety information. When an update to the reference label is necessary for safety reasons, there are multiple considerations (e.g., artwork printing, production run dates) for submitting the local product label to the corresponding health authority. Most companies' SOP timelines that govern submission dates are more stringent than what health authorities require, thus increasing workload and cost. Combining and connecting the appropriate data points with machine learning and predictive analytics can determine an optimal submission date.

Kaggle challenge for compound activity prediction in 2012 and the NIH Tox21 challenge for toxicity prediction in 2014, paved way for AI adoption in Pharma industry.

Narrowing the application of Artificial Intelligence in Computer Aided Drug Design

Chemists have applied various AI methods, particularly the pattern recognition approach, to evaluate and predict the biological effects of chemicals. Like dissolves like or in general, the premise that "structurally similar compounds have similar physicochemical and biochemical properties" are some examples of extending the approach. AI in its present form needs to be researched for applications in medicine. The underlying concept of AI was used by chemists in the past, especially in predicting generalized structure-activity relationships. The idea of correlating the observed experimental values with a "descriptor set" for regression goes way back to Hammett's pioneering formula connecting reaction rates and equilibrium constants for benzene derivatives reactions. Hansch, the "father of QSAR", put forth the computer-assisted identification and quantification of physicochemical properties of bioactive molecules.

Early prototypes and implementations of neural networks in the pharmaceutical industry date around 1990. For example, neural networks developed to predict the mechanisms of action in a cancer drug screening program or the first fully automated molecular design method based on neural networks and evolutionary algorithms. These integrated learning and decision-making models represent the first instances of constructive machine learning and possess all aspects of AI, namely, the ability (i) to solve problems, (ii) to learn from experience, and (iii) to cope with new situations.

Drug design also benefitted from various machine learning algorithms, such as the support vector machine (SVM) and random forest (RF) algorithms. When applied to drug design, these algorithms help bridge the gap between serendipity-based and rational drug design.

However, the most consistent challenge that remains is the decision about combining only those molecular features that will make for the most accurate predictions. This predicament is sometimes referred to as "garbage in garbage out" situation.

The Deep Learning methods, developed in the 21st century, have the ability to explore and predict complex relationships between molecular representations and observations (bioactivity, toxicity, etc.).

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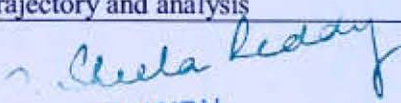
Goal and Scope of the CEP

The focus of this CEP is on the following aspects of applied AI in drug discovery.

1. It provides a brief (re)introduction to the mathematical principles underlying the common AI approaches employed in small-molecular drug discovery today, with particular attention paid to innovative algorithms' advantages and limitations.
2. It provides a brief introduction to the computer-aided drug design as being practiced by scientists to design new drugs.
3. It provides guidelines for constructing an AI model in medicinal chemistry and analyzing those factors that impact model performance.
4. It covers both the achievements and challenges faced by established AI-related techniques for small-molecule drug discovery.
5. It attempts to look ahead to new AI-assisted drug discovery possibilities through integration with other disciplines, including the various omics fields and chemistry.
6. Notably, we point to the closing gap between AI techniques and conventional theoretical chemical methods in drug discovery.

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	Day 1 02/02/2021 - Tuesday
09:15 - 09:30	Registration
09:30-10:00	Dr. K. Ramachandran <i>Outstanding Scientist & Scientist 'H'</i> <i>Director, DIPR: Director, INMAS (Additional charge)</i> Welcome Address on Artificial Intelligence in Drug Development and its Implications
10:00-11:00	Dr. Upendra Kumar Singh <i>Outstanding Scientist & Scientist 'H'</i> <i>Director, CAIR, DRDO, Bangalore</i> <i>Ex- Director, DEBEL, DRDO, Bangalore</i> Keynote Address on AI Role in Transforming Drug Development
11:00-11:30	SESSION BREAK
11:30-12:30	Prof. Dr. Shandar Ahmad <i>School of Computational and Integrative Sciences, Jawaharlal Nehru University (JNU) , New Delhi</i> Interests: Machine learning, big data analytics and novel architectures and training methods for deep learning through neural networks. Machine Learning Methods for Sequence and Structural Analysis in Biology
12:30-13:30	Dr. S. Ramachandran <i>Senior Principal Scientist</i> <i>Professor of the AcSIR in the Faculty of Biological Sciences, CSIR-Institute of Genomics and Integrative Biology</i> Interests: Integrative Bioinformatics, Data analytics, Selected Experimental validation. Modelling biological and chemical features for predictions: Some examples
13:30-14:00	SESSION BREAK
14:00-14:30	Dr. Shubhra Chaturvedi <i>Scientist E, Institute of Nuclear Medicine and Allied Sciences</i> Interests: Computer aided drug design Fusion of CADD with AI: Pressing need in Present times
14:30-17:00	Hands on Training Schrödinger Software: Day 1: Material Science Breakout 1 Technical setup and cloud login Breakout 2 - Build models of organometallic molecules, nanoparticles Breakout 3 - Running QM simulation and analysis Breakout 4 - Prepare amorphous polymer system Breakout 5 - Visualizing MD trajectory and analysis


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	Day 2 03/02/2021- Wednesday
09:30-10:30	Dr. N. Latha <i>Associate Professor, Department of Biochemistry & Coordinator, DBT-BTISnet Bioinformatics Centre Sri Venkateswara College University of Delhi</i> Interest : In silico analyses, Bioinformatics, CADD Accelerating computational drug discovery in the AI Era
10:30-11:15	Dr. C. Vijay Kumar <i>Scientist F, Institute of Nuclear Medicine and Allied Sciences (INMAS)</i> Interest : Medical Image Modelling, functional MR and EEG integration Theoretical overview of deep learning algorithms and their biological neural inspirations.
11:15-11:30	SESSION BREAK
11:30-12:30	Dr.Viren Sardana <i>Senior Scientist, CSIR-Institute of Genomics and Integrative Biology, Delhi</i> Interest: Human Physiology, Machine Learning, Health Informatics and Medical Imaging & Electronics Current Advances in Physiological Monitoring for Stress and Cognition
12:30-13:00	Dr. Ganesh Bagler <i>Associate Professor, Center for Computational Biology, IIT-Delhi, Complex Systems Laboratory</i> Interest: Complex Systems, Computational Biology, Complex Networks, Bioinformatics, Modeling and analysis of biological data Network Biology: An integrative paradigm for modelling biological complex systems
13:00-13:30	Dr. Dipti KakkarThukral <i>Scientist E, Institute of Nuclear Medicine and Allied Sciences (INMAS)</i> Interest: Solid Lipid nanoparticles, Imaging Application of modeling software in formulation development for nanoparticles delivery
13:30-14:00	SESSION BREAK
14:00-17:00	Hands-on Workshop Schr dinger Software: Day 2 Life Science Breakout 1 - Introduction and opening of software Breakout 2 - Build Chalcones from SMILES Breakout 3 - Launch LigPrep Breakout 4 - Prepare protein and Grid generation Breakout 5 - Molecular Docking SP Job submission Breakout 6 - 2D & 3D molecular docking analysis Full Revision of Day, Wrap-up and Q/A

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	Day 3 04/02/2021- Thursday
09:30-10:30	Dr. A. Grover <i>School of Biotechnology, Jawaharlal Nehru University New Delhi</i> Interest: In silico analyses, Bioinformatics, CADD Applications of Structural Bioinformatics tools in Drug Discovery
10:30-11:30	Dr. Madhu Chopra <i>Professor, Dr. B.R. Ambedkar Center for Biomedical Research (ACBR)</i> Interest: Molecular Modeling, Drug Design and Bioinformatics Computational Techniques for Mechanism Based Rational Design and Development of Drugs: What Next
11:15-11:30	SESSION BREAK
11:30-12:30	Dr. Anand Krishnamurthy <i>Senior Manager, Industry Process Consultant, BIOVIA, Dassault Systèmes</i> Interest: Molecular Modelling and AI Accelerating Drug Discovery and Development with AI approaches
12:30-13:15	Ms. Memita Devi <i>Scientist E, Institute of Nuclear Medicine and Allied Sciences (INMAS)</i> Interest: Biostatistics Statistical tools in AI
13:15-14:00	SESSION BREAK
14:00-14:30	Dr. Puja Panwar Hazari <i>Scientist E, Institute of Nuclear Medicine and Allied Sciences (INMAS)</i> Interest: Neuronal networking, Imaging Neural network in Drug Design and In silico models: Dream or Reality
14:30-15:30	Quiz and Feedback
15:30 onwards	Valedictory Address by Dr. Anil K. Mishra <i>Scientist G, Head of the Department DCRS- Course Advisor Institute of Nuclear Medicine and Allied Sciences (INMAS)</i>

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Tentative Schedule of 2-days Cloud-based Hands-on Workshop: Computational Structure-based Drug Design and Materials Simulations

Date: 2nd – 3rd Feb. 2021; Time: 14:00 am - 17:00 pm IST

Day 1:Material Science

In recent time, novel materials discovery has transformed from serendipity to more rational development. Chemistry labs across the globe use various techniques such as quantum mechanics, molecular simulations, machine learning and artificial intelligence to rationalize their research approach. This consequently results in reducing human effort, time and monetary benefits.

This cloud-based training will give an overview of how modern research labs are using computational modelling to their advantage. The use cases, best practices and steps to adopt these techniques will be discussed with cloud-based hands-on training. At the end of the day, the participants will have an understanding of how computational tools can assist them to achieve their research goals effectively.

14.00 **Breakout 1** Technical setup and cloud login

14.20 **2. Maestro GUI: Building Molecules and understanding the interface**

14.45 **Breakout 2** - Build models of organometallic molecules, nanoparticles

15.05 **3. DFT simulation of simple organic molecule**

15.20 **Breakout 3** – Running QM simulation and analysis

15.40 **4. Preparing disordered system and polymer builders**

16.00 **Breakout 4** - Prepare amorphous polymer system

16.20 **5. MD system setup and discussion**

16.30 **Breakout 5** – Visualizing MD trajectory and analysis

16.40 **6. Q&A discussion**

Hardware Requirement:

Computer/Laptop\ with 3button mouse, Chrome browser, Zoom app, Internet connection (~5Mbps)

Day 2 Life Science



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Outline: 1-day cloud-based hands-on workshop targeting structure-based drug designing. Participants will get practical experience and in-person guidance in using the Maestro GUI, covering the organic molecule sketching, protein selection, preparation, and screening for hit identification of molecules against therapeutic targets. The workshop will also include a brief recap of background theory for Molecular mechanics, CADD, Molecular Docking based drug design approaches via case studies on the real-time industrial projects.

Time	Session
14.00	1. Opening - Agenda and split into breakout rooms
14.20	Breakout 1 - Introduction and opening of software
14.30	2. Maestro GUI: Building Molecules
14.40	Breakout 2 - Build Chalcones from SMILES
14.50	3. Ligand Preparation
15.00	Breakout 3 - Launch LigPrep
15.10	Intro to Molecular Docking, Protein, and Ligand Preparations - PPT
15.30	Protein Preparation and Grid Generation
15.40	Breakout 4 - Prepare protein and Grid generation
15.55	5. Molecular Docking
16.05	Breakout 5 - Molecular Docking SP Job submission
16.15	6. Molecular Docking Analysis 2D and 3D
16.30	Breakout 6 - 2D & 3D molecular docking analysis
16.50	Full Revision of Day 1
17.00	Wrap-up and Q/A

Workshop Speakers:

Dr. Pritesh Bhat
Dr. Prajwal Nandekar
Dr. Koushik Kasavajhala
Mr. Vinod D
Dr. Sudharsan Pandiyan
Mr. Kishore V
Ms. Shelviah Malik

Hardware Requirement:

Computer/Laptop, Chrome browser, Internet connection (~5Mbps)

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Dr. Shandar Ahmad, Ph.D. Professor,
School of Computational and Integrative Sciences (SCIS),
Jawaharlal Nehru University (JNU), New Delhi
Email: shandar@jnu.ac.in
Lab URL: www.sciwhylab.org



Title: Machine Learning Methods for Sequence and Structural Analysis in Biology

Artificial Intelligence (AI) and Machine Learning (ML) have revolutionized almost all branches of scientific analysis and modeling. Analysis, modeling and representation of Biological sequence, structure and function today heavily depend on tools and techniques based on ML. Data sets coming out of genomic sequences, whole transcriptome sequencing (RNASeq) and many related techniques used for studying living systems in bulk and as single cells, structure to function annotation are all carried out today by one or the other ML technique. While ML is only a backend for many of these applications which users can use without knowing their intricacies, individual novel studies and data analysis today cannot afford to be ignorant of ML. Advancement in tools and applications to perform machine learning tasks has brought these techniques in the hands of non-experts and are now widely used by biologists. In this talk I will discuss the sequence, structure and function prediction using machine learning as review what is available in public domain. Further I will talk about how non-experts can use ML techniques to analyzing their sequence and structure data, with special reference to some of the research performed in our lab. Representative work in our lab can also be previewed through our lab YouTube channel called SciWhyLab (<https://www.youtube.org/sciwhylab/>).

Dr. S. Ramachandran

Senior Principal Scientist
Professor of the AcSIR in the Faculty of Biological Sciences
CSIR-Institute of Genomics and Integrative Biology -New Delhi
E-mail: ramu@igib.res.in
<http://www.igib.res.in/?q=S.Ramachandran>
<https://sites.google.com/view/ramuigib/home>



Title: Modelling biological and chemical features for predictions: Some examples

Since the modelling of genetic code, molecular biologists share a common interest in modelling biological features. Some notable features include promoter sites for transcription, regulatory motifs, post-translational modification sites, transmembrane regions, cellular localization active sites, and so on. A large number of these molecular biological features are modelled as regular expressions. Another level of modelling involves application of mathematical transforms and machine learning methods for modelling various molecular biological features including immunological epitopes, virulence factors and so on. I shall show some examples from our work and from literature in this exciting field.

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Dr Shubhra Chaturvedi

Scientist E, Institute of Nuclear Medicine and Allied Sciences (INMAS)-
Delhi

E-mail: shubhra@inmas.drdo.in

**Title: Fusion of CADD with AI: Pressing need in Present times**

It is well established that Drug discovery is a long and costly process. Computer aided drug design using both ligand based and structure based assays was regarded as a tool of reducing both the time and cost involved. However, as the research for better drug, targets and repurposing of drugs is gaining momentum, better approaches to compliment CADD are required. Through this talk, we will attempt to have an overview of the applications of AI methods in CADD.

Dr. N Latha

Associate professor, Department of biochemistry& coordinator DBT-BTISnet, Bioinformatics centre Sri Venkateswara College

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**Title: Accelerating computational drug discovery in the AI Era**

The enormity of progress noticeable in the partnership of biology and computer science is currently unprecedented. The ability to sequence a genome and identify every expressed gene has led to identification of thousands of new drug targets, many of which are relevant to onset of disease. The increasing drug targets and parallel developments in computer simulation methods and software has facilitated developing a quick perspective on molecular behavior to forecast important properties in molecular design. Automation of lead compound design in silico given the structure of the protein target vies for the top of the wish list in any drug discovery programme. The path from small molecule library to lead molecule design is a long and arduous process. There have been many approaches that included structure based drug discovery, ligand based approaches or de novo methods that dominated the strategies for identifying leads. Other considerations also include toxicity studies, structure-activity relationship, pharmacokinetic and pharmacodynamics behaviors, drug transport and drug delivery systems. Often, these multifaceted problems have posed significant challenges in drug discovery programs. The recent breakthroughs in AI have demonstrated its potential for the pharmaceutical industry. The increasing application of AI and in particular Machine Learning and Deep Learning has given rise to a hope for potential solutions for these challenges. By embedding data into the chemical space and extracting key relationships, AI can provide innovative solutions for all stages of early drug discovery. This talk will outline concepts of CADD methodologies and possible applications of AI in accelerating drug discovery endeavors.

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Dr C. Vijay Kumar

Scientist F, Institute of Nuclear Medicine and Allied Sciences (INMAS)-
Delhi

E-mail: vijayafmc@gmail.com



Title: Theoretical overview of deep learning algorithms and their biological neural inspirations.

Artificial intelligence (AI) and Deep learning (DL) methods introduced a paradigm shift in the machine learning approaches in the last decade. Many fields, in particular, natural language processing, image analysis speech recognition and computational system biology undergone phenomenal breakthrough and results have generated a massive interest in those field because also real-world applications and social needs. All this success of these AI techniques are due to their founding concept, Hebbian rule, which explains the functioning of biological neural systems. The same reason is also causing its downside. The mathematical and computational methodology underlying artificial intelligence learning algorithms is still at the primitive stage and not well understood. This presentation explains methodological review of deep learning approaches including Deep Feedforward Neural Networks (D-FFNN), Convolutional Neural Networks (CNNs), Deep Belief Networks (DBNs), Autoencoders (AEs), and Long Short-Term Memory (LSTM) networks and their biological inspirations. The presentation further presents the inter-disciplinary applications of these techniques and their phenomenal success which inspired millions of researchers to consider these techniques for their research analysis.

Dr.Viren Sardana

Senior scientist,

CSIR-Institute of Genomics & Integrative Biology, New Delhi

E-mail: viren.sardana@igib.res.in



Title: Current advances in Physiological Monitoring for Stress and Cognition

Cognitive Sciences has emerged as an area of importance in the last decade or so with importance been laid to neuro-biology behind stress and fatigue in our day to day life. While, health care witnessed the introduction of wearables and smart devices for monitoring of our physiological health, can the same provide some clues to our cognition and how to monitor it. The talk would focus on current advances in physiological monitoring for stress and cognition and to a certain extent fatigue. Different sensing approaches such as EEG, GSR, PPG and Optical tracking would be discussed

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Dr Ganesh Bagler

Associate Professor

Center for Computational Biology, IIIT-Delhi, New Delhi.

E-mail: bagler@iiitd.ac.in



Title: Network Biology: An integrative paradigm for modelling biological complex systems

Biological systems are complex owing to the interconnected nature of their constituent elements and emergent properties. Reductionist approaches for understanding biological phenomena are therefore inconsistent and have led to an incomplete picture. Network biology is an emerging interdisciplinary area which aims at graph theoretical modeling of biological complex systems and its applications. The talk will provide a conceptual understanding of complex networks and their application for modeling various biological systems.

Dr. Dipti KakkarThukral

Scientist :E⁺, Institute of Nuclear Medicine and Allied Sciences (INMAS)-
Delhi



Title:Application of modelingsoftwares in formulation development for nanoparticles delivery

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Dr. Abhinav Grover

INSA & NASI Young Scientist

Associate IASc, MNAsC

Assistant Professor, School of Biotechnology, Jawaharlal Nehru University-
New Delhi

E-mail: agrover@jnu.ac.in / agrover@jnu.ac.in



Title: Applications of Structural Bioinformatics tools in Drug Discovery

As structures of more and more protein targets become available through crystallography, NMR and bioinformatics methods, there is an increasing demand for computational tools that can identify and analyze active sites and suggest potential drug molecules that can bind to these sites specifically. Intervention of computers at some plausible steps is imperative to bring down the cost and time required in the drug discovery process.

Computational methods can help in identifying drug targets via bioinformatics tools. They can also be used to analyze the target structures for possible binding/active sites, generate candidate molecules, check for their drug likeliness, dock these molecules with the target, rank them according to their binding affinities and further optimize the molecules to improve binding characteristics. The use of computers and computational methods permeates all aspects of drug discovery today and forms the core of structure-based drug design.

In this talk few case studies will be presented delineating the applications of structural bioinformatics tools in the area of drug discovery.

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Dr. Madhu Chopra

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E-mail: mchopradu@gmail.com; mchopra@acbr.du.ac.in
www.acbrdu.edu



Title: Computational Techniques for Mechanism Based Rational Design and Development of Drugs: What Next?

Drug Discovery and development is a challenging multidimensional problem involving design, synthesis and optimization of compounds. Rational drug design using computational tools is used by pharmaceutical companies, research laboratories across the world at several stages of the drug discovery process. The pharmacophores may be used in several ways, for example, as a 3D query in searching 3D databases containing 'drug-like' small organic molecules to identify active and specific inhibitors or in evaluating a new compound for mapping on a known pharmacophore. A drug discovery cycle, to identify, optimize, and eventually take a compound to the market, is generally a long process (approximately 12-15 years) and is very expensive (approximately \$800 million R&D expense). Therefore, there is a pressing need to reduce the cost of drug discovery steps. Pharmaceutical companies are taking more rational approaches than trial and error to identify new chemical entities. The lecture will cover introduction to computer aided drug design and discovery taking examples from our lab. E.g. We reported first model developed for Cholecystokinin receptor antagonists based on hypogen. We used quinazolinone ring system as a template for the synthesis of two series of CCK-BR antagonists. The study resulted in the development of potent CCK-BR antagonists. All the compounds were predicted for activities using pharmacophore mapping exercises and a good correlation was found between the experimentally determined and predicted antagonistic activities. Thus, the optimized compounds in this study can be taken further for pre-clinical evaluation in drug discovery processes to develop anticancer compounds against pancreatic cancer.

The predictive 3D pharmacophore model was also developed and validated for a set of inhibitors against COX-2 enzyme. The model can be used as a 3D query tool in the virtual screening of drug like molecules to retrieve new chemical entities as potent COX-2 inhibitors. Another study resulted in the identification of two novel lead compounds with potent inhibitory effect on ADAMTS-4 activity in the sub-micromolar range (IC₅₀ of 0.042 μ M and 0.028 μ M). These results provide a guideline to the pharmacophoric requirements for the development of more potent ADAMTS-4 inhibitors. Same strategy has been applied to produce hit compounds against Histone deacetylase inhibitors and work will be published subsequently.

The current era of Artificial Intelligence (AI) is led by advancement of deep learning (DL) technology and the methods around its implementation, which have demonstrated advantages in many areas including drug discovery. DL expands on the application of artificial neural networks in Machine Learning (ML), where more complex network architectures are used. Machine learning methods including ANN have been applied in compound activity prediction for a long time. DL methods are adopted to address the activity prediction problems in the first place. When compounds are presented by the same number of molecular descriptors, the straightforward method is to use fully connected DNNs to build models. Our lab has just started venturing into this area of drug design. Lecture will also cover very basics of the newer technological interventions involving AI, ML and DL in drug design and development process.

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Title: Accelerating Drug Discovery and Development with AI approaches

Artificial intelligence (AI) applies knowledge and learns from the solutions it produces to address not only specific but also complex problems. With advent of computational biosciences and improvements in computational power coupled with advancements in AI technology, could be applied to revolutionize the drug development process. At present, the pharmaceutical industry is facing challenges in sustaining their drug development programmes because of increased R&D costs and reduced efficiency. In this talk, we discuss the major causes of attrition rates in new drug approvals, the possible ways that AI can improve the efficiency of the drug development process and collaboration of pharmaceutical industry giants with AI-powered drug discovery firms. We will also give some insights the key applications/areas that is going to dominate the pharmaceutical market and how pharma organizations can bank on this market that is expected to be \$100 billion annually in the decade 2020-2030.

Ms Memita Devi

Scientist E, Institute of Nuclear Medicine and Allied Sciences (INMAS)-Delhi



Title: Statistical tools in AI

Dr. Puja Panwar Hazari

Scientist :F", Institute of Nuclear Medicine and Allied Sciences (INMAS)-Delhi



Title: Neural network in Drug Design and In silico models: Dream or Reality

Artificial neural networks (ANN) are abstract models that mimic the brain's complex structure and functioning. Since neural networks are used in machines, they are collectively called an 'artificial neural network.' They are widely used in systems biology and drug discovery to resolve complexity associated with mathematical models, virtual screening of compounds, deciphering QSAR, estimation of pharmacological properties. Neural networks are meticulously designed in deciphering nonlinear relationships among the variables and predicting the outcome. The conventional drug discovery process often proves to be lengthy, expensive, and difficult. The plausibility of using artificial neural networks to improve the efficiency and speed of therapeutic discovery are becoming reality.

Henry Markram's reportedly gave the idea that it would be possible to mimic the nature of the brain's biological intelligence. The Spanish anatomist and Nobel laureate Santiago Ramón y Cajal's incredible work, where he sketched thousands of neurons in exquisite detail, instigated scientists to study brain function. Each neuron performs an essential logical operation, combining multiple inputs

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into a single binary output: true or false. It became a basis of the architecture that evolved into the artificial neural networks employed in deep learning extensively in the present time. Neural networks are used in many applications to model the unknown relations between various parameters based on large numbers of examples. Examples of successful applications of neural networks are speech recognition, classifications of handwritten digits, Hopfield network, the Boltzmann machine, the multilayer perceptron, and the Kohonen network.

Despite these application, most artificial neural networks are decidedly non-brain-like, in part because these are based on mathematical logic that would be difficult, if not impossible, for biological systems to carry out. Yet brains and AI models do share something fundamental in common, there's still a gap between biological intelligence. Futuristic neuroscientists are directing their efforts in a universal theory of intelligence' a set of principles that holds true both in tissue and in silicon. In artificial intelligence (AI), advancement make it possible that artificial neural networks (ANNs) learn to solve complex problems in a reasonable amount of time and to a computational neuroscientist, ANNs are theoretical vehicles that aid in the understanding of neural information processing. Biological plausibility is an essential topic in neural network research. Holca-lamarre et al. develop an in silico neural network model that combined the physiological release schedules of ACh and DA. A vital endeavor in computational neuroscience is to further our understanding of biological and artificial spiking neural networks. Determining the relation between the input a neuron receives and the outgoing spike-train is still a challenge. Güçlü and van Gerven showed that neural responses to sensory input could be modeled using recurrent neural networks trained end-to-end. Neural networks are experiencing a revival that transforms AI and provides new insights about neural computation in biological systems. New advancements in neural networks that will increase their plausibility from a biological point of view which might be possible with interaction between the AI and neuroscience communities and making it a reality?



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Prof. S. P. Aggarwal

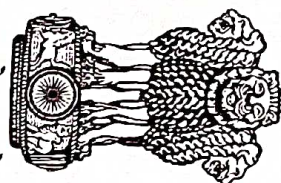
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(Principal & Director)
TLC, Ramanujan College

C. Shukla

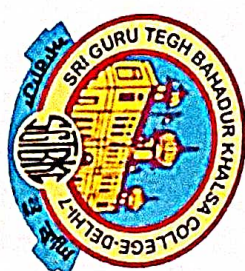
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Dr. Jaswinder Singh
Principal, S.G.T.B. Khalsa College
University of Delhi

C. Shula Reddy
PRINCIPAL
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Dr. Vimal Rathi
Project Head & Joint Director
GAD-TLC of Ministry of Education



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Participated in the Short Term Course on

Implementation of National Education Policy (NEP) 2020
राष्ट्रीय शिक्षा नीति 2020 द्वारा नवभारत निर्माण

from **October 20, 2021** *to* **October 26, 2021**

C. Sheila Reddy

PRINCIPAL

Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110022

Course Convenor

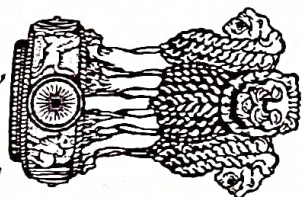
Director

Vikas Gupta

Registrar



Guru Angad Dev
Teaching Learning Centre
A Centre of Ministry of Education
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Sri Guru Tegh Bahadur
Khalsa College
University of Delhi

Certificate

FACULTY DEVELOPMENT PROGRAM
14th July to 20th July 2021

Assessment and Evaluation in Higher Education

This is to certify that

PRAGYA GAHLOT, SRI VENKATESWARA COLLEGE, DU

has successfully completed One Week Online National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A" as required for promotion under CAS of UGC and AICTE.

Dr. Jaswinder Singh
Principal, S.G.T.B. Khalsa College
University of Delhi

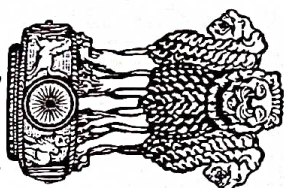
C. Shela Reddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Dr. Vimal Karh
Project Head & Joint Director
GAD-TLC of Ministry of Education

UNIQUE CERTIFICATE No: GAD-TLC/21-22/OFPDP-49/171



Guru Angad Dev
Teaching Learning Centre
A Centre of Ministry of Education
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Sri Guru Tegh Bahadur
Khalsa College
University of Delhi

Certificate

FACULTY DEVELOPMENT PROGRAM

29th September to 05th October 2021

Four-Quadrant Model for Development of E-Content, MOOCs and Teacher's e-Kit

This is to certify that

DR. PRAGYA GAHLIOT, SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

has successfully completed One Week Online National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A" as required for promotion under CAS of UGC and AICTE.

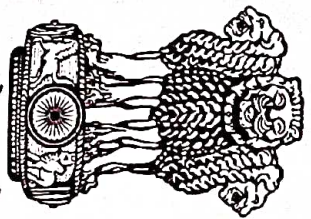
Prof. Jaswinder Singh
Principal, S.G.T.B. Khalsa College
University of Delhi

C. Shula Reddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Dr. Vimla Rani
Project Head & Joint Director
GAD-TLC of Ministry of Education



Guru Angad Dev
Teaching Learning Centre
A Centre of MoE
Under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Sri Guru Tegh Bahadur
Khalsa College
University of Delhi

S.No: GAD-TLC/21-22/WEB46/0582

Certificate

This is to certify that

DR. VINITA KAPOOR, SRI VENKATESWARA COLLEGE, DELHI UNIVERSITY

has participated in **One Day Online National Webinar** entitled **"Implementation of Academic Bank of Credits"** organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) of Ministry of Education on **10th July 2021**. (This is equivalent to a regular National Webinar).

Dr. Jaswinder Singh
Principal, S.G.T.B. Khalsa College
University of Delhi

C. Shela Leedy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Dr. Vimal Rathi
Project Head & Joint Director,
GAD-TLC of MoE



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

LAKHIMPUR GIRLS' COLLEGE KHELMATI, NORTH LAKHIMPUR, ASSAM

This is to certify that

Dr. Shikha Gulati

of

Department of Chemistry, Sri Venkateswara College, University of Delhi

has successfully completed Online one week Faculty Development Programme on

"Advanced Pedagogical Techniques"

from 13 - 19 September, 2021 and obtained

Grade B+.



Blockchain Hash: 0x0e4f1a3c5dc22bd03089fdb98be83ab2280e3b0bb503d08e77bd417f0047b9

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

S. P. Aggarwal

C. Shela Beady
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021



Ministry of Education

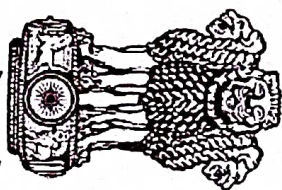


Dr. Surajit Bhuyan
(Principal)
Lakhimpur Girls' College

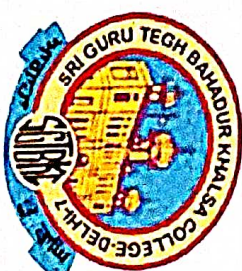
Dr. Surajit Bhuyan



Guru Angad Dev
Teaching Learning Centre
A Centre of Ministry of Education
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Sri Guru Tegh Bahadur
Khalsa College
University of Delhi

Certificate

FACULTY DEVELOPMENT PROGRAM

29th September to 05th October 2021

Four-Quadrant Model for Development of E-Content, MOOCs and Teacher's e-Kit

This is to certify that

DR. SHIKHA GULATI, SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

has successfully completed One Week Online National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A" as required for promotion under CAS of UGC and AICTE.

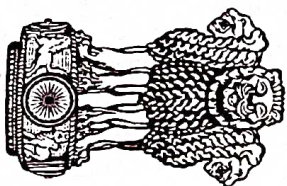
Prof. Jaswinder Singh
Principal, S.G.T.B. Khalsa College
University of Delhi

C. Shela Keady
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Dr. Vimal Rath
Project Head & Joint Director
GAD-TLC of Ministry of Education



Guru Angad Dev
Teaching Learning Centre
A Centre of Ministry of Education
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Sri Guru Tegh Bahadur
Khalsa College
University of Delhi

Certificate

FACULTY DEVELOPMENT PROGRAM
29th September to 05th October 2021

Four-Quadrant Model for Development of E-Content, MOOCs and Teacher's e-Kit

This is to certify that

DR. DEEPTI SHARMA, SRI VENKATESWARA COLLEGE, DU

has successfully completed One Week Online National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A" as required for promotion under CAS of UGC and AICTE.

Dr. Jaswinder Singh
Principal, S.G.T.B. Khalsa College
University of Delhi

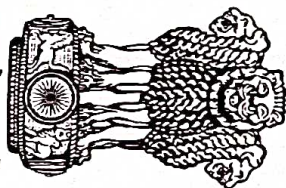
C. Shela Beady
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Dr. Vimal Rath
Project Head & Joint Director
GAD-TLC of Ministry of Education

UNIQUE CERTIFICATE No:GAD-TLC/21-22/OFPDP-61/OB/130



Guru Angad Dev
Teaching Learning Centre
A Centre of Ministry of Education
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Sri Guru Tegh Bahadur
Khalsa College
University of Delhi

Certificate

FACULTY DEVELOPMENT PROGRAM
29th September to 05th October 2021

Four-Quadrant Model for Development of E-Content, MOOCs and Teacher's e-Kit

This is to certify that

DR REKHA YADAV, SRI VENKATESWARA COLLEGE

has successfully completed One Week Online National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A" as required for promotion under CAS of UGC and AICTE.

Dr. Jasvinder Singh
Prof. Jasvinder Singh
Principal, S.G.T.B. Khalsa College
University of Delhi

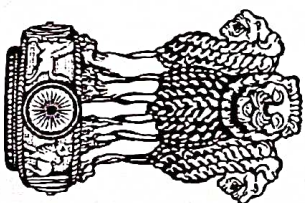
C. Shela Reddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Dr. Vimal Rathi
Project Head & Joint Director
GAD-TLC of Ministry of Education

UNIQUE CERTIFICATE No.:GAD-TLC/21-22/OFPDP-61/OB/222



Guru Angad Dev
Teaching Learning Centre
A Centre of Ministry of Education
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Sri Guru Tegh Bahadur
Khalsa College
University of Delhi

Certificate

FACULTY DEVELOPMENT PROGRAM

14th July to 20th July 2021

Assessment and Evaluation in Higher Education

This is to certify that

DR. REKHA YADAV, SRI VENKATESWARA COLLEGE, UNIVERSITY OF DELHI

has successfully completed One Week Online National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A" as required for promotion under CAS of UGC and AICTE.

Dr. Jaswinder Singh
Principal, S.G.T.B. Khalsa College
University of Delhi

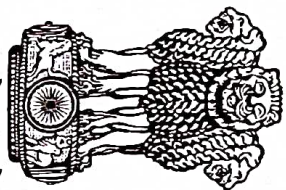
C. Venkateswara College
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Dr. Vimal Rath
Project Head & Joint Director
GAD-TLC of Ministry of Education

UNIQUE CERTIFICATE No: GAD-TLC/21-22/OFPDP-49/339



Guru Angad Dev
Teaching Learning Centre
A Centre of Ministry of Education
under PMMMNMTT



सत्यमेव जयते
Government of India
Ministry of Education



Sri Guru Tegh Bahadur
Khalsa College
University of Delhi

Certificate

FACULTY DEVELOPMENT PROGRAM
29th September to 05th October 2021

Four-Quadrant Model for Development of E-Content, MOOCs and Teacher's e-Kit

This is to certify that

DR KOMAL AGGARWAL, SRI VENKATESWARA COLLEGE

has successfully completed One Week Online National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained GRADE "A" as required for promotion under CAS of UGC and AICTE.

Dr. Jaswinder Singh
Prof. Jaswinder Singh
Principal, S.G.T.B. Khalsa College
University of Delhi

C. Shela Reddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dharmapuri, New Delhi-110021

Dr. Vimal Rath
Project Head & Joint Director
GAD-TLC of Ministry of Education

UNIQUE CERTIFICATE No:GAD-TLC/21-22/OFDP-61/OB/144



CPDHE (UGC-HRDC)

**Centre for Professional Development in Higher Education
Human Resource Development Centre
University of Delhi, Delhi**

Certificate

UGC-Sponsored Short Term Course

This is to certify that

Komal Aggarwal

Sri Venkateswara College, University of Delhi, Delhi

Participated in the Short Term Course on
Implementation of National Education Policy (NEP) 2020
राष्ट्रीय शिक्षा नीति 2020 द्वारा नवभारत निर्माण

from **October 20, 2021** *to* **October 26, 2021**

C. Sheila Reddy

PRINCIPAL

**Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021**

Vandana
Course Convenor

[Signature]
Director

Vijay Gupta

Registrar



Delhi Effective Education & Pedagogy Cluster (DEEP-C)-DRIV



2nd Undergraduate Teachers' Workshop on

“Understanding Public Health from an Interdisciplinary Perspective”

This certificate is awarded to

<<Dr. Meeta Bhardwaj>>

from

<< Sri Venkateswara College, Delhi University>>

for participating in the 2nd Undergraduate Teachers' Workshop on “Understanding Public Health from an Interdisciplinary Perspective” held between 7th October - 12th October 2021, organized by Delhi Effective Education & Pedagogy Cluster (DEEP-C)-DRIV.

Dr. P. Hemalatha Reddy
Advisory Member(s), DEEP-C

Prof L S Shashidhara
PI, DEEP-C

C. Shalini
PRINCIPAL

Sri Venkateswara College
(University of Delhi)

Dhaura Kuan, New Delhi-110021



Delhi Effective Education & Pedagogy Cluster (DEEP-C)-DRIIV
2nd Undergraduate Teachers' Workshop on
"Understanding Public Health from an Interdisciplinary Perspective"

This certificate is awarded to

<<Dr. Vandana Malhotra >>
from

<< Sri Venkateswara College, Delhi University >>

for participating in the 2nd Undergraduate Teachers' Workshop on "Understanding Public Health from an Interdisciplinary Perspective" held between 7th October - 12th October 2021, organized by Delhi Effective Education & Pedagogy Cluster (DEEP-C)-DRIIV.

Dr. P. Hemalatha Reddy

Advisory Member(s), DEEP-C

Dr. Pradeep Kumar Choudhury

PRINCIPAL

Sri Venkateswara College
(University of Delhi)

Dhaula Kuan, New Delhi-110021 PI, DEEP-C

C. Shela Reddy



Delhi Effective Education & Pedagogy Cluster (DEEP-C)-DRIV
Presents 1st Undergraduate Workshop on



"Effective Education for Long-term Sustainable Solutions to the Problems of Air Pollution"

This certificate is awarded to

Dr. Nimisha Sinha
from

Sri Venkateswara College, University of Delhi

for participating in the 1st Undergraduate Workshop on "Effective Education for Long-term Sustainable Solutions to the Problems of Air Pollution" held between 02nd -06th August 2021, organized by Delhi Effective Education & Pedagogy Cluster (DEEP-C)-DRIV

Prof. P. Hemalatha Reddy
Advisory Member, DEEP-C

C. Shela Reddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Prof L.S. Shashidhara
P.I, DEEP-C



Delhi Effective Education & Pedagogy Cluster (DEEP-C)-DRIV



2nd Undergraduate Teachers' Workshop on
"Understanding Public Health from an Interdisciplinary Perspective"

This certificate is awarded to

<<Dr. Nimisha Sinha >>

from

<< Sri Venkateswara College, Delhi University >>

for participating in the 2nd Undergraduate Teachers' Workshop on "Understanding Public Health from an Interdisciplinary Perspective" held between 7th October - 12th October 2021, organized by Delhi Effective Education & Pedagogy Cluster (DEEP-C)-DRIV.

Dr. P. Hemalatha Reddy
Advisory Member(s), DEEP-C

Dr. Pradeep Kumar Choudhury
Advisory Member(s), DEEP-C

C. Shela Reddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110011

Prof L S Shashidhara
PI, DEEP-C



Delhi Effective Education & Pedagogy Cluster (DEEP-C)-DRIIV
2nd Undergraduate Teachers' Workshop on



“Understanding Public Health from an Interdisciplinary Perspective”

This certificate is awarded to

<<Dr. Nandita Narayanasamy >>

from

<< Sri Venkateswara College, Delhi University >>

for being a resource person in the 2nd Undergraduate Teachers' Workshop on “Understanding Public Health from an Interdisciplinary Perspective” held between 7th October - 12th October 2021, organized by Delhi Effective Education & Pedagogy Cluster (DEEP-C)-DRIIV.

Dr. P. Hemalatha Reddy
Advisory Member(s), DEEP-C

Dr. Pradeep Kumar Choudhury
Advisory Member(s), DEEP-C

Prof L S Shashidhara
PI, DEEP-C

PRINCIPAL

Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021



Delhi Effective Education & Pedagogy Cluster (DEEP-C)-DRIV
2nd Undergraduate Teachers' Workshop on
“Understanding Public Health from an Interdisciplinary Perspective”

This certificate is awarded to

<<Dr. Sarika Yadav >>

from

<<Sri Venkateswara College, Delhi University>>

for participating in the 2nd Undergraduate Teachers' Workshop on “Understanding Public Health from an Interdisciplinary Perspective” held between 7th October - 12th October 2021, organized by Delhi Effective Education & Pedagogy Cluster (DEEP-C)-DRIV.

Dr. P. Hemalatha Reddy

Advisory Member(s), DEEP-C

Dr. Pradeep Kumar Choudhury

Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

PRINCIPAL
Prof L S Shashidhara
PI, DEEP-C

**Biosafety level III Facility
Department of Biochemistry
University of Delhi South Campus**



Certificate of Training

This is to certify that

Dr. Sarika Yadav

has successfully completed the online training program on "**BSL-3
LABORATORY TRAINING AND HANDLING PRACTICES
FOR *Mycobacterium tuberculosis***" held from 19th July- 25th July, 2021.

Shruti

C. Shela Reddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)

R. Nangpal

Dr. Garima Khare
In-charge, BSL-3 facility, UDSC

Dr. Prachi Nangpal
Organizer



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



This is to certify that

Dr. Vinod Kumar

of

Department of Commerce, Sri Venkateswara College, University of

Delhi

has successfully completed ONLINE TWO-WEEK REFRESHER COURSE IN

"COMMERCE AND MANAGEMENT"

from 25 JUNE - 08 JULY 2021

and obtained Grade B+.



Blockchain Hash: [9x87d8448c63571fa573a0e8302b2c04e84d43ca922cb422ac84bdc280a9c5e](#)



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

Dr. Vibhash Kumar
(Programme Convenor)
Ramanujan College

C. Shela Leedy
PRINCIPAL

Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Dr. K. Latha
(Programme Director)
Ramanujan College

S.No.FDP62048



सत्यमेव जयते
Ministry of Education
Government of India

Mahatma Hansraj Faculty Development Centre

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Vinod Kumar

from

Sri Venkateswara College, University of Delhi

has successfully completed

One week (Online) Interdisciplinary Faculty Development Programme on

"Research and Beyond"

(9th October – 14th October, 2021)

organised by

*Mahatma Hansraj Faculty Development Centre
Hansraj College, University of Delhi*

Dr. Jyoti Bhola
Coordinator, MHRFDC

C. Sheila Reddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021

Prof. (Dr) Rama
Chairperson, MHRFDC



Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
DEEMED TO BE UNIVERSITY

University with Graded Autonomy Status

(An ISO 21001 : 2018 Certified Institution)

Periyar E.V.R. High Road, Maduravoyal, Chennai-95, Tamilnadu, India.



Faculty of Engineering & Technology
Department of Information Technology
in Association with
Academic Staff College

Certificate of Participation

This is to certify that

Dr. /Mr. /Ms. AASHISH JAIN

Sri Venkateswara College

has actively participated in the Five day Virtual Faculty Development Program on "Stepstones to Prepare Successful Research Proposal and Publishing Research Articles in High Impact Journals" from 14.12.2021 to 18.12.2021 Organized by the Department of Information Technology, in association with Academic staff college, Dr. M.G.R. Educational and Research Institute, Chennai

C. Sheila Reddy
PRINCIPAL

N. Dr. Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021

Dr. N. Kanya
HOD - IT
Addl Dean E&T

Dr. N. Ethiraj
Dean- E&T

C. B. Palanivelu

Dr. C. B. Palanivelu
Registrar

S.No. SW19001



Mahatma Hansraj Faculty Development Centre

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Aashish Jain

from

Sri Venkateswara College, University of Delhi

has participated in

One Day (Online) Workshop on

"Advanced Proofreading Skills for Research Manuscript"

(20th November, 2021)

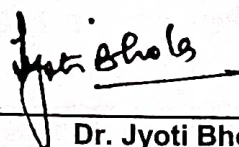
organised by

Department of Commerce, Hansraj College

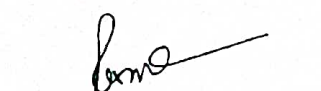
in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi


Dr. Jyoti Bhola
Coordinator, MHRFDC


PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021


Prof. Rama
Chairperson, MHRFDC



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



This is to certify that

Mr. Aashish Jain

of

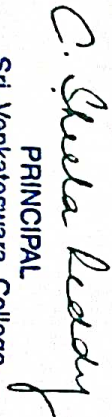
Sri Venkateswara College, University of Delhi

successfully completed a 4-Week Induction/Orientation Programme for
"Faculty in Universities/Colleges/Institutes of Higher Education"
from December 10, 2020 - Jan 08, 2021 and obtained
grade A

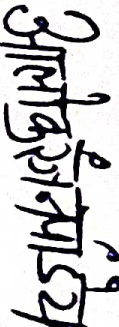


Blockchain Hash: 0x8a6d7ffc2826f3b3a93104ae2b51ac801ecd9027eb513b85ef5ab891d1a53e8


Dr. S.P. AGGARWAL
Director, TLC
Principal, Ramanujan College


C. Shela Leady
PRINCIPAL
Sri Venkateswara College
(University of Delhi)

Chanda Kuan, New Delhi-110021


Dr. Alok Ranjan Pandey
Programme Director
Ramanujan College



S.No. FDP70001



Mahatma Hansraj Faculty Development Centre

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Aashish Jain

from

Sri Venkateswara College, University of Delhi

has successfully completed

One week (Online) Interdisciplinary Faculty Development Programme on

"Basics of Quality Research"

(18th December– 24th December 2021)

organised by

Department of Commerce

Sri Venkateswara College, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre

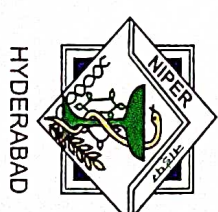
Hansraj College, University of Delhi

Prof. C. Sheela Reddy
Principal,
Sri Venkateswara College

Dr. Jyoti Bhola
Coordinator, MHRFDC

C. Sheela Reddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021

Prof. Rama
Chairperson, MHRFDC



No: ATAL/2021/1622974965

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

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

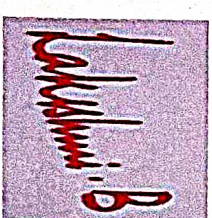
AICTE Training And Learning (ATAL) Academy

Certificate

This is certified that **Ajit Singh**, Assistant Professor of Sri Venkateswara College participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "5 days online Faculty Development Program on "Organizational Behaviour"" from 2021-07-12 to 2021-07-16 at National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad.


C. Shelly Reddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021





Adviser-I, ATAL Academy

Coordinator

Jagannath International Management School

KALKAJI, NEW DELHI

AICTE, AIU, NAAC and NBA Accredited



CERTIFICATE OF PARTICIPATION

in

Short Term Training Program (STTP)

Phase - III

on

"Enhancing Emotional Intelligence in Academicians to
Connect with Next Generation Students"

This is to certify that Dr. Arpita Kaul from Sri Venkateswara College, University of Delhi participated in
STTP, Phase-III held from 19th July to 24th July 2021.


DR. ANJU SHUKLA
Coordinator


PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021


PROF. (DR.) ASHOK SHARMA
Director JIMS Kalkaji



S.No. FDP70061



Mahatma Hansraj Faculty Development Centre

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Yogesh

from

Sri Venkateswara College, University of Delhi

has successfully completed

One week (Online) Interdisciplinary Faculty Development Programme on

"Basics of Quality Research"

(18th December– 24th December 2021)

organised by

Department of Commerce

Sri Venkateswara College, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi

Prof. C. Sheela Reddy
Principal,
Sri Venkateswara College

Dr. Jyoti Bhola
Coordinator, MHRFDC

C. Sheela Reddy
PRINCIPAL

Sri Venkateswara College
(University of Delhi)

Dhaura Kuan, New Delhi-110021

Prof. Rama

Chairperson, MHRFDC

S.No. FDP45002



**Mahatma Hansraj
Faculty Development Centre**
A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)



सत्यमेव जयते
Ministry of Education
Government of India

Certificate

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

Aashish Jain

from

Sri Venkateswara College, University of Delhi

has successfully completed

*One week (Online) Interdisciplinary Faculty Development Programme on
"Basics of Research"*

(18th June – 24th June, 2021)

organised by

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi

in collaboration with

PARAMARSH, UGC SCHEME

Dr. Jyoti Bhola
Coordinator, MHRFDC

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021

Prof. Rama
Chairperson, MHRFDC



Institute of Information Technology & Management

Accredited Grade "A" by NAAC & Approved By AICTE

Affiliated to Guru Gobind Singh Indraprastha University, New Delhi

CERTIFICATE OF PARTICIPATION

Dr. Arpita Kaul

has attended FDP on "Outcome Based Education" conducted by Dr. P. S. Grover, held on July 10, 2021 organized by Department of Management Studies, JSTM Janakpuri, New Delhi.

11

Dr. Gopal Singh Latwal

Converter



S.K. Sharma

Prof. (Dr.) Sudhir Kr Sharma

Director

C. Sheila Leedy
PRINCIPAL

PRINCIPAL

Sri Venkateswara College

(University of Delhi)

Dhaura Kuan, New Delhi-110021

Made for free with Certify'em



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

This is to certify that

Dr. Neha Singhal

of

Sri Venkateswara College, University of Delhi

has successfully completed ONLINE TWO - WEEK INTERDISCIPLINARY REFRESHER
COURSE/FACULTY DEVELOPMENT PROGRAMME on

"Advanced Research Methodology 2.0"

from 17 June - 01 July, 2021 and obtained

Grade A.



Blockchain Hash: [0xa9fe3fd508ebdc0285feb2522d5fb09a35a1de8e51fcb8a88d3d2370cb5010](#)


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


C. Shela Leady
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021




Dr. Ashish Kumar Shukla
(Convener)
Ramanujan College



S.No. IP04076



Mahatma Hansraj Faculty Development Centre

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Nisha Bohra

from

Sri Venkateswara College, University of Delhi

has successfully completed

One week (Online) International Faculty Development Programme on

"Advanced Linear Algebra"

(27th September – 01st October, 2021)

organised by

Miranda House, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi.

C. Sheila Reddy

PRINCIPAL

**Sri Venkateswara College
(University of Delhi)**

Dhaura Kuan, New Delhi-110021

Bijayalaxmi Nanda
**Prof. (Dr) Bijayalaxmi Nanda
Principal,
Miranda House**

Jyoti Bhola
**Dr. Jyoti Bhola
Coordinator, MHRFDC**

Rama
**Prof. (Dr) Rama
Chairperson, MHRFDC**



सत्यमेव जयते
Ministry of Education
Government of India

S.No. IP04026



Mahatma Hansraj Faculty Development Centre

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Garima Virmani Arora

from

Sri Venkateswara College, University of Delhi

has successfully completed

*One week (Online) International Faculty Development Programme on
"Advanced Linear Algebra"*

(27th September – 01st October, 2021)

organised by

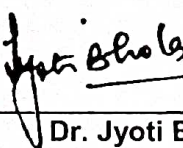
Miranda House, University of Delhi

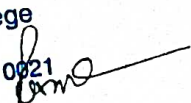
in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi.


Prof. (Dr) Bijayalaxmi Nanda
Principal,
Miranda House


Dr. Jyoti Bhola
Coordinator, MHRFDC


Prof. (Dr) Rama
Chairperson, MHRFDC



Centre for Applied Mathematics
Dr. SPM International Institute of Information
Technology Naya Raipur

[illegible]

Dr. Neelesh Kumar, “Advanced Topics in Mathematics 2021”,

Charles

C. Sheila Leachy
PRINCIPAL
College

Dr. M. K. Chaube

Sri Venkateswara
(University of Delhi)
Dr. R. Bandi
Dhaura Kuan, New Delhi-110021

Convenor

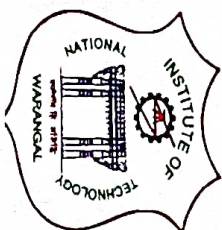
Convenor

M. J. J. J.

□□K. S. Patel

Convenor

NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL
Centre for Continuing Education



Participation Certificate

This is to certify that Dr./Mr./Mrs. **ANIRBAN CHATTERJEE** from **SRI VENKATESWARA COLLEGE** has attended online Faculty Development Program on **Advanced Artificial Intelligence and Machine Learning Applications** conducted by the Department of **Computer Science and Engineering** from **11-10-2021 to 15-10-2021**.

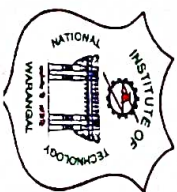
C. Shela Reddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Dr. Raju Bhukya
Course Coordinator &
Faculty-In charge CCE

Prof. P. Radha Krishna
Head of Department
Computer Science & Engg.

Prof. N.V. Ramana Rao
Director
NIT Warangal

NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL
Centre for Continuing Education



Participation Certificate

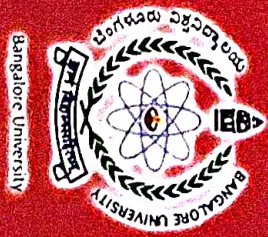
This is to certify that Dr./Mr./Ms. **ANIRBAN CHATTERJEE** from **SRI VENKATESWARA COLLEGE** has attended online Faculty Development Program on **Python Programming for Beginners for Artificial Intelligence and Machine Learning** conducted by the Department of **Computer Science and Engineering** from **25-10-2021 to 03-11-2021**.

C. Shela Reddy
PRINCIPAL

Dr. Raju Bhukya Sri Venkateswara College
(University of Delhi)
Course Coordinator & Head of Department
Faculty-In charge CCE
Computer Science & Engg.

N. V. V.

Prof. N.V. Ramana Rao
Director
NIT Warangal



Bangalore University

NAAC Accredited with 'A' Grade

Bangalore University

ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಂಗಳೂರು.

Bangalore - 560 056.



ತೆಲುಗು ಅಧ್ಯಯನ శాఖ / DEPARTMENT OF STUDIES IN TELUGU

ప్రవచనం / Certificate

బెంగళూరు విశ్వవిద్యాలయ తెలుగు అధ్యయన శాఖ జూలై 22, 24, 25, 27 & 29 - 2020 తేదీలలో ఆన్‌లైన్‌లో నిర్వహించిన "తెలుగు భాష సాహిత్యం

మరియు ప్రసార మార్గములు" అనే పాఠ్యబోధనా నైపుణ్యాలలో

శ్రీ వేంకటేశ్వర కళాశాల

పాల్గొని శిక్షణాసంతరం నిర్వహించిన పరీక్షలో ఉత్తీర్ణులయ్యారని ప్రువీకరిస్తున్నాము.

This is to certify that

Sri Venkateswara College

..... has successfully completed 5 days online Faculty Development

Programme in Telugu Language, Literature and Journalism organised by Department of Studies in Telugu,

Bangalore University, Bangalore during July 22, 24, 25, 27 & 29 - 2020.

C. Shela Reddy

PRINCIPAL
Sri Venkateswara College

(University of Delhi)
New Delhi-110021

Prof. K. ASHAJYOTHI

Director, Faculty Development Programme.

ਇਕੁ

DR. SIRISHA EEDPUGANTI, ASSISTANT PROFESSOR

తెలుగు భాష

శాస్త్రజ్ఞుల వేదిక, హైదరాబాదు 10 నుండి 21 జూలై 2020 వరకు నిర్వహించిన “మాతృభాషలో భాషాశాస్త్రం”, మొట్టమొదటి అంతర్జాతీయ శిక్షణా శిబిరములో పాల్గొని శిక్షణా శిబిరానంతరం నిర్వహించిన పరీక్షలో ఉత్తీర్ణులయ్యావని ధ్రువీకరిస్తున్నాము.

18th Dec

—

V. M. S. Slane



అచార్య ఎ. ఉషాదేవి
అధ్యక్షులు
డా. షా. పి.

అచార్య జి. ఉమామహేశ్వర రావు
ఉపాధ్యక్షులు
డా. ఖా. వె.

డా. వి.యం. సుబ్రహ్మణ్య శర్మ
నిర్వాహకులు
తె.భా.వే.

డా. గట్ట ప్రవీణ్
నిర్వాహకులు
ఇ.భా.వ.

C. Shala Pandey

Administrative Staff College of India

This is to certify that

Dr Vartika Mathur

participated in the

Online Programme on

Science Administration and Research Management

(Sponsored by Department of Science & Technology (DST), Govt. of India)

13 - 24 December, 2021

C. Shela Leedy
PRINCIPAL

Valli Manickam

Programme Director

Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110028

Nirmalya Bagchi

Director General (I/c)

Valli Manickam

Karnak Roy
Programme Director

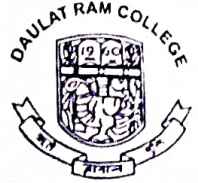
Nirmalya Bagchi

Director General (I/c)



सत्यमेव जयते
Ministry of Education
Government of India

S.No.FDP59004



Mahatma Hansraj Faculty Development Centre

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Ajaib Singh

from

Sri Venkateswara College, University of Delhi

has successfully completed

*One week (Online) Interdisciplinary Faculty Development Programme on
"Wildlife Conservation and Management"*

(4th October – 9th October, 2021)

organised by

Daulat Ram College, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi

Savita Roy

Prof. (Dr) Savita Roy
Principal,
Daulat Ram College

Jyoti Bhola

Dr. Jyoti Bhola
Coordinator, MHRFDC

C. Sheila Bandy

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110028

Rama

Prof. (Dr) Rama
Chairperson, MHRFDC



सत्यमेव जयते
Ministry of Education
Government of India

S.No.FDP59001



Mahatma Hansraj Faculty Development Centre

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Aarti Seherawat

from

Sri Venkateswara College, University of Delhi

has successfully completed

*One week (Online) Interdisciplinary Faculty Development Programme on
"Wildlife Conservation and Management"*

(4th October – 9th October, 2021)

organised by

Daulat Ram College, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi

Savita Roy

Prof. (Dr) Savita Roy
Principal,
Daulat Ram College

Dr. Jyoti Bhola

Dr. Jyoti Bhola
Coordinator, MHRFDC

Sheela Reddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Chairperson, MHRFDC



1961 - 2021
Sri Venkateswara College
University of Delhi

One Day online Faculty Development Program

on

Digital Pedagogy and Climate Change Education Across Disciplines



TROP ICSU

Certificate Of Participation

This is to certify that

Dr./Mr./Ms Aarti Seherawat

from Sri Venkateswara College, University of Delhi

has participated in the One Day online Faculty Development Program on 'Digital Pedagogy and Climate Change Education Across Disciplines' organized by Sri Venkateswara College, University of Delhi, India in collaboration with TROP ICSU, a Climate Change Education Project by the International Union of Biological Sciences (IUBS), on the 28th August, 2021.

Prof. C. Sheela Reddy

Principal

Sri Venkateswara College

University of Delhi

PRINCIPAL

Sri Venkateswara College
(University of Delhi)

Dhaula Kuan, New Delhi-110021

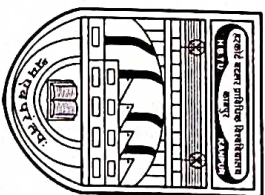
Prof. L. S. Shashidhara

Dean of Research and Professor of Biology,

Ashoka University, India

Professor of Biology, IISER Pune, India

President, IUBS



HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR
FACULTY DEVELOPMENT PROGRAM

100
YEARS
1921 - 2021

"Frontiers in Bioprocess Technology"

Organized by

Department of Biochemical Engineering
School of Chemical Technology

Certificate of Participation

This is to certify that **Dr. Sadqua Shameem** of **Sri Venkateswara College (University of Delhi)**, New, Delhi has participated in one week online Faculty Development Program on **"Frontiers in Bioprocess Technology"** organized by Department of Biochemical Engineering, School of Chemical Technology, Harcourt Butler Technical University, Kanpur during September 20-24, 2021.

(Brajesh Singh)

Convenor, FDP

C. Venkateswara
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

(Prof. Alak Kumar Singh)

Chairman, FDP

Head, Biochemical Engineering

Dean, School of Chemical Technology



S.No.WO01108



Mahatma Hansraj Faculty Development Centre

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Sadqua Shameem

from

Sri Venkateswara College, University of Delhi

has successfully completed

*One Week (Online) Training Workshop on
"Developing Administrative Skills and Leadership"*

(25th September – 1st October, 2021)

organised by

Shyam Lal College, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi

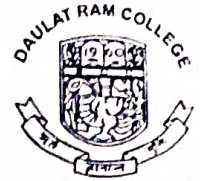
Prof. Rabi Narayan Kar
Principal,
Shyam Lal College

Dr. Jyoti Bhola
Coordinator, MHRFDC

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Chairperson, MHRFDC
Dhaura Kuan, New Delhi



S.No.FDP59040



Mahatma Hansraj Faculty Development Centre

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Sadqua Shameem

from

Sri Venkateswara College, University of Delhi

has successfully completed

*One week (Online) Interdisciplinary Faculty Development Programme on
"Wildlife Conservation and Management"*

(4th October – 9th October, 2021)

organised by

Daulat Ram College, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi

Savita Roy

Prof. (Dr) Savita Roy
Principal,
Daulat Ram College

Jyoti Bhola

Dr. Jyoti Bhola
Coordinator, MHRFDC

C. Sheela Reddy

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110029
Prof. (Dr) Rama
Chairperson, MHRFDC



Kirori Mal College
University of Delhi
(Under the aegis of DBT Star College Scheme)
Pandit Madan Mohan Malviya National Mission on Teachers & Teaching
(PMMNMTT)
Mizoram University, Aizwal

e-Certificate of Participation

This is to certify that
Dr. Amarjeet Singh
of



Sri Venkateswara College, University Of Delhi
participated in Online Faculty Development Program on "Environmental Audit"
from 28th June-2nd July, 2021 organized by the Department of Botany and
Zoology of Kirori Mal College, University of Delhi.

UNIQUE CERTIFICATE CODE:KMC-DBT(SCS)-EA-2021:53

Prof. Anita K. Verma
Program Co-Ordinator
DBT Star College Scheme

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Prof. Lokanath Mishra
Director, FDC
Mizoram University

Prof. Vibha S. Chauhan
Principal
Kirori Mal College



S.No.FDP59054



Mahatma Hansraj Faculty Development Centre

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNMTT)

Certificate

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

Vagisha Rawal

from

Sri Venkateswara College, University of Delhi

has successfully completed

*One week (Online) Interdisciplinary Faculty Development Programme on
"Wildlife Conservation and Management"*

(4th October – 9th October, 2021)

organised by

Daulat Ram College, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi

Savita Roy

Prof. (Dr) Savita Roy
Principal,
Daulat Ram College

Jyoti Bhola

Dr. Jyoti Bhola
Coordinator, MHRFDC

C. Sheila Reddy

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021

Prof. (Dr) Rama
Chairperson, MHRFDC



Teaching Learning Centre, Ramanujan College

University of Delhi

in collaboration with
Shaheed Sukhdev College of Business Studies (SSCBS)

under the aegis of

MINISTRY OF EDUCATION

PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

This is to certify that

Dr. Mansi Verma

of

Department of Zoology, Sri Venkateswara College, University of Delhi, Delhi
successfully completed a 4-Week Induction/Orientation Programme for
"Faculty in Universities/Colleges/Institutes of Higher Education"

from 19 October – 18 November, 2021 and obtained

Grade **A+**.



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

C. Shela Ledy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021



सत्यमेव जयते
Ministry of Education
Government of India



Dr. Poonam Verma
(Principal)
SS College of Business Studies



Teaching Learning Centre, Ramanujan College

University of Delhi

in collaboration with

Shaheed Sukhdev College of Business Studies (SSCBS)

under the aegis of

MINISTRY OF EDUCATION

PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

This is to certify that

Dr. P. Jayaraj

of

Department of Zoology, Sri Venkateswara College, University of Delhi
successfully completed a 4-Week Induction/Orientation Programme for

“Faculty in Universities/Colleges/Institutes of Higher Education”

from 19 October – 18 November, 2021 and obtained

Grade A+.



Blockchain Hash: [0x2052b387d24df51fdb3e862e0ab511ff4416b4e3ae2a0a1e896a92d5ceb9b587](https://www.blockchain.com/transaction/0x2052b387d24df51fdb3e862e0ab511ff4416b4e3ae2a0a1e896a92d5ceb9b587)

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

C. Shela Beady
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021



P. Poonam Verma
Dr. Poonam Verma
(Principal)
SS College of Business Studies



Teaching Learning Centre, Ramanujan College

University of Delhi

in collaboration with
Shaheed Sukhdev College of Business Studies (SSCBS)

under the aegis of
MINISTRY OF EDUCATION

PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

This is to certify that

Dr. Rajendra Phartyal

of

Department of Zoology, Sri Venkateswara College, University of Delhi
successfully completed a 4-Week Induction/Orientation Programme for
"Faculty in Universities/Colleges/Institutes of Higher Education"

from 19 October – 18 November, 2021 and obtained

Grade **A+**.



Blockchain Hash: [0x1e1b10d02111543499ebdc7d3e19a99f6f10834020d123e3e37122fe9968eee](https://www.blockchain.com/tx/0x1e1b10d02111543499ebdc7d3e19a99f6f10834020d123e3e37122fe9968eee)

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

S. P. Agarwal

C. Shela Beatty
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

SS College of Business Studies

Dr. Poonam Verma
(Principal)

Poonam Verma





6-Day Workshop on

MICROBES FOR SUSTAINABLE AND RESILIENT FUTURE

December 6th - 11th, 2021

Sponsored by Science and Engineering Research Board
under Scientific Social Responsibility

Organized by Delhi University Botanical Society
Department of Botany, University of Delhi, Delhi-110007

CERTIFICATE

OF APPRECIATION

This is to certify that Dr.

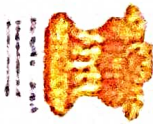
Prof. Gokulendra Singh
from *Dr. Venkateswara College, University of Delhi*

has participated in the 6-day workshop with 4 days of online interactive sessions and 2 days of hands-on training on basic techniques of Microbiology. He/She has scored highest in continuous evaluation during the course of the workshop.

Rupam Kapoor
Prof. Rupam Kapoor
Convener

C. Shela Reddy
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Suman Lakhanpaul
Sr. Prof. Suman Lakhanpaul
Chairperson



Kirori Mal College
University of Delhi
(Under the aegis of DBT Star College Scheme)
Pandit Madan Mohan Malviya National Mission on Teachers & Teaching
(PMMMNMTT)
Mizoram University, Aizwal

e-Certificate of Participation

This is to certify that
Dr. Pooja Sinha
of



Sri Venkateswara College, University of Delhi
participated in Online Faculty Development Program on "Environmental Audit"
from 28th June-2nd July, 2021 organized by the Department of Botany and
Zoology of Kirori Mal College, University of Delhi.

UNIQUE CERTIFICATE CODE:KMC-DBT(SCS)-EA-2021:30

Prof. Anita K. Verma
Program Co-Ordinator
DBT Star College Scheme

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
New Delhi-110021

Prof. Lokanath Mishra
Director, FDC
Mizoram University

V. Chaudhary
Principal
Kirori Mal College



6-Day Workshop on

MICROBES FOR SUSTAINABLE AND RESILIENT FUTURE

December 9th - 14th, 2021

Sponsored by Science and Engineering Research Board
under Scientific Social Responsibility

Organized by Delhi University Botanical Society
Department of Botany, University of Delhi, Delhi-110007

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr./Dr. Tabassum Ashraf
from Sri Venkateswara College, University of Delhi
has participated in the workshop. He/She attended 4 days of online interactive sessions and successfully completed
2 days of hands-on training on basic techniques of Microbiology.

Prof. Rupam Kapoor
Convener

C. Shela Beady
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Sr. Prof. Suman Lakhanpaul
Chairperson



6-Day Workshop on

MICROBES FOR SUSTAINABLE AND RESILIENT FUTURE

December 6th - 11th, 2021

Sponsored by Science and Engineering Research Board
under Scientific Social Responsibility

Organized by Delhi University Botanical Society
Department of Botany, University of Delhi, Delhi-110007

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr./Dr.

from *Dr. Venkateswar College, University of Delhi*

has participated in the workshop. He/She attended 4 days of online interactive sessions and successfully completed 2 days of hands-on training on basic techniques of Microbiology.

Prof. Rupam Kapoor
Convener

C. Shela Bhatia
PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Sr. Prof. Suman Lakhanpaul
Chairperson

UGC

Ref No: UGC-HRDC/RCBSCS/2021/17467(1307)

HUMAN RESOURCE DEVELOPMENT CENTRE

Jamia Millia Islamia, New Delhi



Certificate of Participation

UGC Sponsored Online Refresher Course in Basic Sciences

This is to certify that

Sunita Yadav, Assistant Professor (Botany)

Sri Venkateswara College, Benito Suarez Marg, Dhaula Kuan, New Delhi; University of Delhi

participated in the Second Online Two-Week Refresher Course in Basic Sciences

organized by the UGC-HRDC, Jamia Millia Islamia, New Delhi

from 05 October to 21 October 2021 and obtained

grade ...A....

C. Shela Reddy

PRINCIPAL

Sri Venkateswara College

(University of Delhi)

Dhaula Kuan, New Delhi-110021

Dr. Asimul Islam
Course Coordinator

Dr. Md. Imtiyaz Hassan
Course Coordinator

Prof. Anisur Rahman
Director

Dr. Nazim Husain Al-Jaffi
Registrar



सत्यमेव जयते
Ministry of Education
Government of India

**Mahatma Hansraj
Faculty Development Centre**

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Sunita Yadav

from

Sri Venkateswara College, University of Delhi

has successfully completed

*Two Days International (Online) Conference on
"Insect and Plant Biology :2021"*

(7th October– 8th October, 2021)

organised by

*Mahatma Hansraj Faculty Development Centre
Hansraj College, University of Delhi.*

Dr. Jyoti Bhola
Coordinator, MHRFDC

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021

Prof. Rama
Chairperson, MHRFDC



IEEE



TWO DAYS ONLINE LECTURE SERIES

on

Fundamentals and Applications of Technology Driven Sensors

organized by

IEEE-ELECTRON DEVICES SOCIETY DELHI CHAPTER-India

on

24th - 25th SEPTEMBER 2021

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. Neha Verma from Department of Electronics, Sri Venkateswara College, University of Delhi has participated in Two Days online Lecture Series on **Fundamentals and Applications of Technology Driven Sensors**" organized by IEEE Electron Devices Society Delhi Chapter.

C. Shula Reddy

PRINCIPAL

Sri Venkateswara College
(University of Delhi)

Dhaura Kuan, New Delhi-110021

Prof. Mridula Gupta, SMIEEE

Chairperson- IEEE EDS Delhi Chapter

HEAD, Department of Electronic Science

University of Delhi South Campus



TWO DAYS ONLINE LECTURE SERIES

on

Fundamentals and Applications of Technology Driven Sensors

organized by

IEEE-ELECTRON DEVICES SOCIETY DELHI CHAPTER-India

on

24th - 25th SEPTEMBER 2021

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. Hari Singh from Department of Electronics, Sri Venkateswara College, University of Delhi has participated in Two Days online Lecture Series on **Fundamentals and Applications of Technology Driven Sensors**" organized by IEEE Electron Devices Society Delhi Chapter.

Prof. Mrindula Gupta, SNIIEE
Chairperson- IEEE EDS Delhi Chapter
HEAD, Department of Electronic Science
University of Delhi South Campus

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021



S.No. FDP70023



Mahatma Hansraj Faculty Development Centre

A Centre of MoE, Govt. of India
Under Pandit Madan Mohan Malaviya National
Mission on Teachers and Teaching
(PMMMNTT)

Certificate

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

Lalita Josyula

from

Department of Electronics, Sri Venkateswara College, University of Delhi

has successfully completed

One week (Online) Interdisciplinary Faculty Development Programme on

"Basics of Quality Research"

(18th December– 24th December 2021)

organised by

Department of Commerce

Sri Venkateswara College, University of Delhi

in collaboration with

Mahatma Hansraj Faculty Development Centre

Hansraj College, University of Delhi

Prof. C. Sheela Reddy
Principal,
Sri Venkateswara College

Dr. Jyoti Bhola
Coordinator, MHRFDC

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021

Prof. Rama
Chairperson, MHRFDC