



**Report of Six Days Online International Faculty
Development Program on “Exploring Innovation in
Mathematics and Statistics” from 27th July 2020 to 1th August
2020**

Vinayaka Mission’s Research Foundation, School of Arts and Science, AVIT Campus, Paiyanoor, Chennai - Department of Mathematics organized six days Online International Faculty Development Program on the topic of “*Exploring Innovation in Mathematics and Statistics*” from 27th July 2020 to 1th August 2020.

A beautiful music from a flute comes out because of master touch, in that sense, this Online International Faculty Development Program was initiated with the abled guidance, support and encouragement from our Director – School of Arts & Science Dr.R.Shanmugavalli and executed well with the team of Department of Mathematics, as there were more than 1000 registered for the program and on daily basis had more than 300 participants actively involved in the faculty development program, listening and getting involved with their questions and getting answers from the resource persons. The participants were responding to the feedback links about the daily session and giving their valuable feedback with lots of appreciation and thanks for conducting such an information session.

This Online International Faculty Development Program started with the formal Inauguration, our School of Arts and Science, Director Dr.R.Shanmugavalli, presided over the function and delivered Presidential address. There were six sessions in six days totally nine hours. We have scheduled the sessions based on the time availability and dates given by the resource persons.



SCHOOL OF ARTS AND SCIENCE

OMR, PAIYANOR, CHENNAI-603104



VMRF
(Deemed to be University)

ISO-21001:2018

DEPARTMENT OF MATHEMATICS ORGANIZES

SIX DAYS INTERNATIONAL FDP ON

No Registration Fee
E-Certificate will be provided

EXPLORING INNOVATION IN MATHEMATICS AND STATISTICS

DATE: 27-07-2020 to 01-08-2020

TIME: 4.00 to 5.30 PM (IST)

RESOURCE PERSONS:

**Day-1: Passivity-Based Controller Design
(27-07-20) for Wind Energy Conversion System**



Ramasamy Subramaniam, P.h.D.
Post Doctoral Fellow
Research Center for Wind Energy Systems
Kunsan National University, Gunsan
Jeollabuk-do, South Korea



**Day-2: Qualitative Analysis of Fractional
(28-07-20) Delay Differential Equations
with Delayed Perturbation of Matrices**

Dr.T.Sathiyaraj
Post Doctoral Research Fellow
Department of Mathematics
Guizhou University
Guiyang 550025, China

**Day-3: Markov Processes and Their
(29-07-20) Applications**



Dr.B.V.Senthil Kumar
Lecturer in Mathematics
Department of Information Technology
Nizwa College of Technology
Nizwa-611, Oman



**Day-4: Optimization in Power System
(30-07-20)**

Dr.Kanendra Naidu
Head of Section , Electrical Technology
Universiti Kuala Lumpur
British Malaysian Institute , Malaysia

**Day-5: Magnetohydrodynamic Mixed
(31-07-20) Convective Flows of Nano Fluids**



Dr.M.Radha Madhavi
Associate Professor
Department of Mathematics
Koneru Lakshmaiah Education Foundation
K L Deemed to be University
Veddeswaram, Andhra Pradesh, India



**Day-6: Graph Theory-Real Life
(01-08-20) Realities and it's Applications**

Dr.R.V.N. Srinivasa Rao
Professor
Department of Mathematics
College of Natural and Computational Sciences
Wollega University
Post Box Number:395 Nekemte, Ethiopia

Chief Patron:

Dr.R.Shanmugavalli
Director, School of Arts and Science
AV Campus , VMRF

Organizing Team:

Mr.S.Loganathan, Asst.Professor
Mr. M.Ramesh, Asst.Professor

Co-Ordinator:

Dr.V.Ananthan
Head, Department of Mathematics
Contact No: 9884567646

SAS ADMISSIONS OPEN
2020-2021

UG Courses :
B.A(English/Tamil)
BBA, BCA,
B.Com(General & Comp.App)
B.Sc(Chemistry/Comp.Sci/
Cyber Security/Data Science/
Maths/Physics /Statistics)

PG Courses:
M.A(English/Tamil)M.Com/
M.Sc(Chemistry/
Comp.Sci/Env.Sci)



Stay Home, Stay Healthy...and Keep Learning, Keep Exploring...

DAY-1:

- ❖ In the First day **Dr.Ramasamy Subramanian**, Postdoctoral Fellow, Research Center for Wind Energy Systems Kunsan National University, Gunsan Jeollabuk-do, South Korea, Delivered a wonderful session on Passivity-Based Controller Design for Wind Energy Conversion System, he shared how the application of mathematics is used to Control. I express my heartfelt thanks to him for his wonderful session.

DAY-2:

- ❖ On the Second day **Dr.T. Sathiyaraj**, College Fellow & Post-doctoral Researcher, Department of Mathematics, Guizhou University, Guiyang-550025, China. presented an Qualitative Analysis Of Fractional Delay Differential Equations With Delayed Perturbation Of Matrices with focus on high quality research, which is the need of the hour. I express my sincere thanks to him for his valuable session.

DAY-3:

- ❖ On the third day **Dr.B.V.Senthil Kumar**, Department of Information Technology, Nizwa College of Technology, Nizwa - 611, Oman., delivered a fantastic session in the area of Markov Process and Its Applications. I express my heartfelt thanks to him for his excellent session.

DAY-4:

- ❖ On the fourth day **Dr.Kanendra Naidu**, Department of Electrical Technology Section, Universiti Kuala Lumpur, British Malaysian Institute, Malaysia. He had thrown some Nature Based Swarm Optimization (PSO & ABC) for Power system problems. I express my sincere thanks to him for his dedicated speech.

DAY-5:

- ❖ On the fifth day **Dr.M.Radha Madhavi**, Associate Professor, Department of Mathematics, Koneru Lakshmaiah Educational Foundation , presented a wonderful session on Magneto hydrodynamic Mixed Convective flow of Nanofluids. I express my heartfelt thanks to her, for dedicated highly motivating session.

DAY-6:

- ❖ On the Sixth day we had **Dr.R .V.N Srinivasa Rao**, Professor, Department of Mathematics, Wollega University, Ethiopia, in the area of Graph Theory- Real Life Realities and Its Application , He had an energetic session and shared lot of valuable ideas for marketing research aspirants. I express my heartfelt thanks to him for his valuable session.

- Last but not least we had a pleasing personality **Prof. I. Ameeth Basha**, HOD, Dept of Chemistry, who had delivered the valedictory address; he is always extending his moral support and helping hands. I express my sincere thanks to **Prof. I. Ameeth Basha**.

Six Days Online International Faculty Development Program Links:

Warm Greetings,
School of Arts & Science - SAS
an ambit institution of
Vinayaka Mission's Research Foundation - VMRF
Deemed to be University.
is inviting you for the International FDP organized by the Department of Mathematics

Event:
International Faculty Development Program

Date & Time:
July 27 to August 01, 2020. | 04:00 PM

IFDP Platform:
ZOOM

IFDP Link:
<https://us02web.zoom.us/j/85437604383?pwd=UXpINmxCUTA2NDY3YXVvSHQ4WEVvUT09>

IFDP ID:
854 3760 4383
Password:
SASFDP

Watch us Live on YouTube Channel Link:
<https://www.youtube.com/channel/UChZPP2hPeNIYmvWgk2dWFdg>

Link for Registration
<https://forms.gle/wBQByxeAeu3thFZ27>

Three Whatsapp group Links Created:

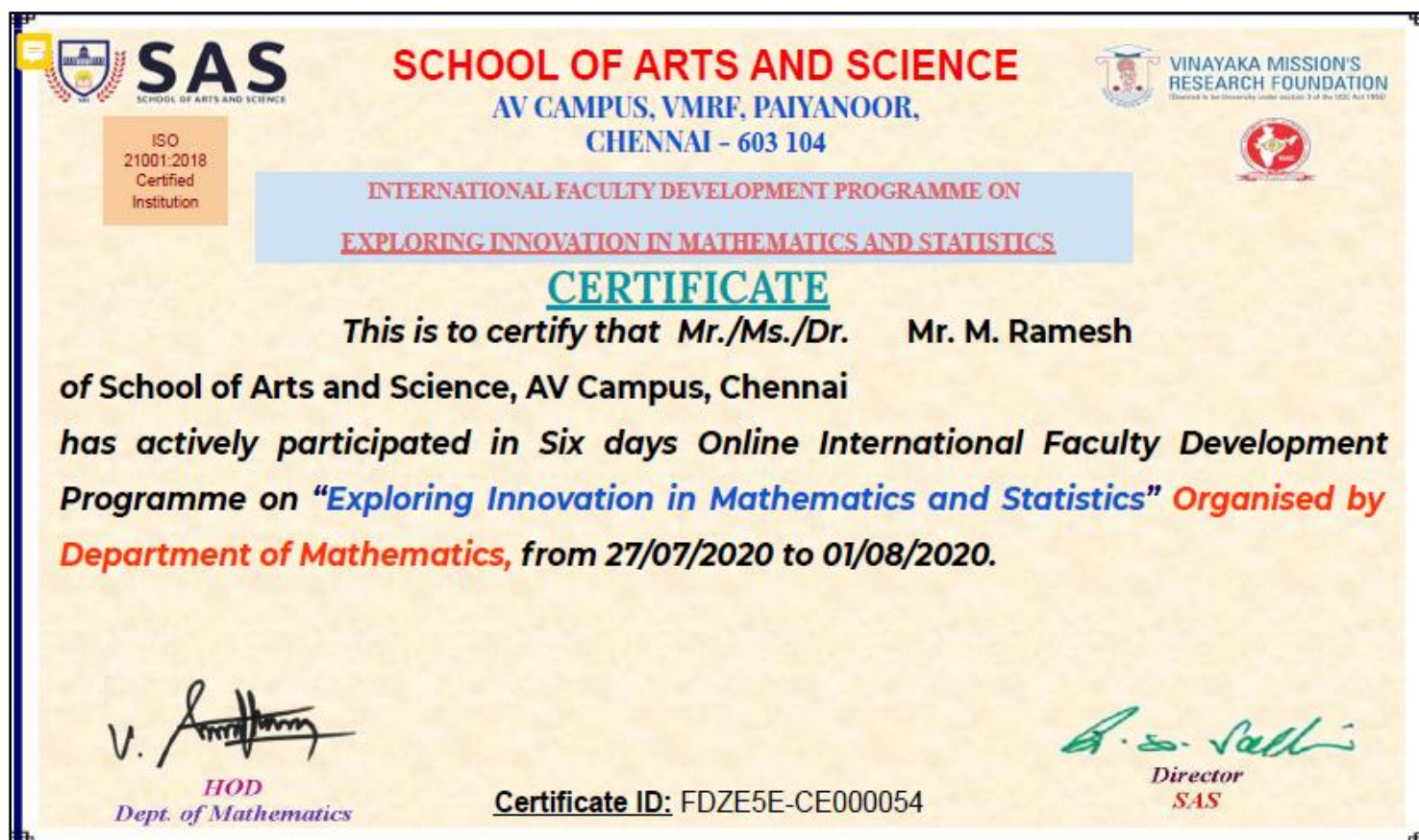
Group 1
<https://chat.whatsapp.com/BmWLCB2Dr2p5vof0Bhg4QH>

Group 2
<https://chat.whatsapp.com/LA811XIumftBDIILc6pqiT>

Group 3
<https://chat.whatsapp.com/FzayhXCkRh78fvQAm5i5dO>

Finally, filled feedback form received from the active participants and E-certificates were distributed to all the participants.

Model E-Certificate



The certificate is a rectangular document with a light beige background and a dark blue border. At the top left is the SAS logo (School of Arts and Science) with a crest. To its right is the text 'SCHOOL OF ARTS AND SCIENCE' in red, followed by 'AV CAMPUS, VMRF, PAIYANOOR, CHENNAI - 603 104' in blue. On the top right is the Vinayaka Mission's Research Foundation logo and text. Below the SAS logo is an orange box with 'ISO 21001:2018 Certified Institution'. A blue horizontal bar contains the text 'INTERNATIONAL FACULTY DEVELOPMENT PROGRAMME ON EXPLORING INNOVATION IN MATHEMATICS AND STATISTICS' in red. Below this is the word 'CERTIFICATE' in large, bold, teal letters. The main text of the certificate reads: 'This is to certify that Mr./Ms./Dr. Mr. M. Ramesh of School of Arts and Science, AV Campus, Chennai has actively participated in Six days Online International Faculty Development Programme on "Exploring Innovation in Mathematics and Statistics" Organised by Department of Mathematics, from 27/07/2020 to 01/08/2020.' At the bottom left is a signature in black ink, with 'HOD Dept. of Mathematics' printed below it. At the bottom right is a signature in green ink, with 'Director SAS' printed below it. In the center bottom, the text 'Certificate ID: FDZE5E-CE000054' is printed.

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CHENNAI - 603 104

VINAYAKA MISSION'S
RESEARCH FOUNDATION
(Chartered in the University under section 3 of the UGC Act 1956)

INTERNATIONAL FACULTY DEVELOPMENT PROGRAMME ON
EXPLORING INNOVATION IN MATHEMATICS AND STATISTICS

CERTIFICATE

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of School of Arts and Science, AV Campus, Chennai
has actively participated in Six days Online International Faculty Development
Programme on "Exploring Innovation in Mathematics and Statistics" Organised by
Department of Mathematics, from 27/07/2020 to 01/08/2020.

V. Ananthan
HOD
Dept. of Mathematics

G. S. Sathish
Director
SAS

Certificate ID: FDZE5E-CE000054