



R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's **RAMNIRANJAN JHUNJHUNWALA COLLEGE** of Arts, Science & Commerce)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in Email: rjcollege@rjcollege.edu.in Tel No: +91 22 25151763 Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI || NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

NOTICE

Department of Mathematics is organising online guest lecture on "An Introduction to Discrete Dynamical Systems" by Dr. Sachinkumar Bhalekar, University of Hyderabad, Hyderabad, Telangana on 11th November 2020 at 10:30 am. The detail of the event is as follows.

Event Platform: ZOOM

Meeting ID: 870 6504 3418

Passcode: dds



Head,

Department of Mathematics




I/c PRINCIPAL
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OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

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Hindi Vidya Prachar Samiti's
Ramniranjan Jhunjunwala College
(Autonomous), Ghatkopar, Mumbai

Department of Mathematics

ORGANIZES A TALK ON
AN INTRODUCTION TO DISCRETE DYNAMICAL
SYSTEMS
(Under DBT Star College Activity)

DATE: November 11, 2020
TIME: 10:30 a.m. - 11:30 a.m.

EVENT PLATFORM: Online ZOOM
Meeting ID: 870 6504 3418
Passcode: dds

GUEST SPEAKER

Dr Sachinkumar Bhalekar
School of Mathematics and Statistics,
University of Hyderabad,
Hyderabad, Telangana.



Talk on: *An Introduction to Discrete Dynamical Systems*

Abstract: In this lecture, we discuss the discrete dynamical systems (DDS). The open source software Winplot will be used to sketch the solutions of these systems. The concept of stability will be introduced and the conditions for stability will be derived using basic calculus. Finally, the interesting phenomenon viz. chaos will be introduced.




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Capacity development and skills enhancement activity

(Awareness of trends in technology)

REPORT

Name of the Activity : Guest lecture on 'An Introduction to Discrete Dynamical Systems'

(Under DBT Star College Activity)

Resource Person: Dr Sachin Bhalekar, Central University of Hyderabad, Hyderabad, India.

Brief report: Dr Sachin Bhalekar delivered a talk on Discrete Dynamical Systems. He began the talk with asymptotic stable and unstable equilibrium. Then visualization of solutions of Dynamical Systems. He introduced the Stability Analysis of linear systems by plotting graphs of solutions. For this, he used open-source software Winplot. Later on, he showed applications in modelling population dynamics and chaotic behaviour. The talk ended with various answers given by Dr Bhalekar to several questions asked by participants.

The talk was very interactive and inspirational.

Number of beneficiary: 37 participants.

Date: 11th Nov. 2020

Time: 10:30 am to 11:45am

Event Platform: **Online ZOOM**

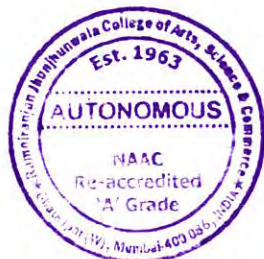
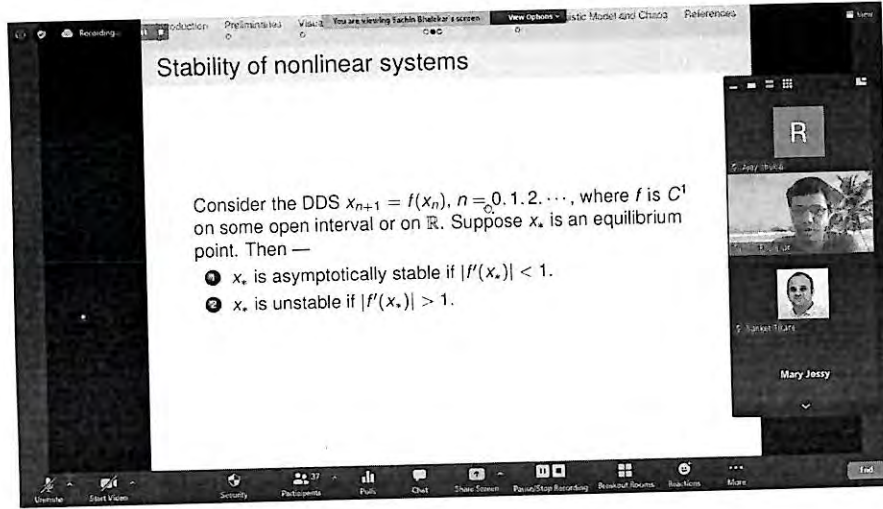
Mary Jossy
Head,

Department of Mathematics



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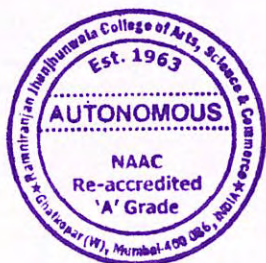
Snapshots of the guest lecture on “An Introduction to Discrete Dynamical Systems” by Dr. Sachinkumar Bhalekar




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List of Participants (A talk by Sachinkumar Bhalekar, 11th Nov. 2020)

Sr. No.	Name of Participants
1	KAPOOR BHUVANESHWAR MADANLAL SNEHALATA (FYBSc A 24)
2	KARALE PRERANA GANESH SUREKHA (FYBSc A 25)
3	KATE PRITHVIRAJ PANDIT RANI PANDIT KATE (FYBSc A 26)
5	KANEEZ FATIMA ABRAR ALI NASIBUNNISA (TYBSc Maths 306)
6	KEVAT RAJABABU RAJKUMAR MALTIDEVI (TYBSc Maths 307)
7	MAURYA POOJA JAGDISHCHANDRA JYOTSANA(TYBSc Maths 308)
9	PAL KRITI JAYPRAKASH GEETA (TYBSc Maths 309)
10	JAIWAR SURAKSHA DINESH RITA (FYBSc A 21)
11	JHA PRERNA ANIL KUMAR RUBY (FYBSc A 22)
12	KANNOJIYA ABHISHEKKUMAR MANOJKUMAR SUNITA (FYBSc A 23)
13	DESAI SANCHITA SUDHIR SWATI (TYBSc Maths 302)
14	GUPTA ANIKET OMPRAKASH SEEMA (TYBSc Maths 303)
15	GUPTA PREM LALJI SHIVSUNDARI (TYBSc Maths 304)
16	KAWADE ABHISHEK SANTOSH SAVITA (FYBSc A 27)




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List of Participants (A talk by Sachinkumar Bhalekar, 11th Nov. 2020)	
32	SUDHIR DESAI (other college)
33	PRAVIN MANDALE (other college)
34	REKHA MENGAJI (other college)
35	BODAKE LAUKIK SANTOSH LATA (FYBSc A 05)
36	PAL SURAJ LALMAN LALATI DEVI (SYBSc 317)
37	PANDEY AJIT VIRENDRAKUMAR GYANTIDEVI (SYBSc 318)

Mary Jossy

Head,

Department of Mathematics



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Certificate

This is to certify that

MR. GUPTA ANIKET OMPRAKASH

of class TYBSC (MATHS) Roll No. 303

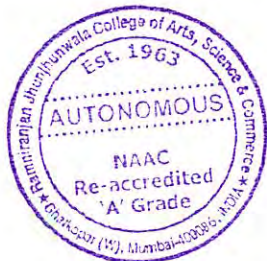
has participated in an event on "An Introduction to Discrete Dynamical Systems" organized by the Department of Mathematics of Ramniranjan Jhunjunwala College of Art's, Science and Commerce on 11th November 2020.

Mary Jossy

Mrs. Marry Jossy
HoD Mathematics

Dr. Himanshu Dawda

Dr. Himanshu Dawda
In-charge Principal



Dr. Himanshu Dawda

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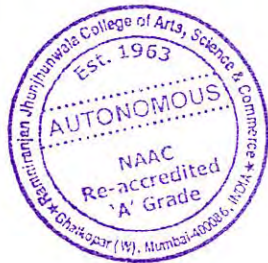
MS. PAL KRITI JAYPRAKASH

of class TYBSC (MATHS) Roll No. 309

has participated in an event on "An Introduction to Discrete Dynamical Systems" organized by the Department of Mathematics of Ramniranjan Jhunjunwala College of Art's, Science and Commerce on 11th November 2020.

Mrs. Marry Jossey
HoD Mathematics

Dr. Himanshu Dawda
In-charge Principal



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