



## Goa University

**Name of Directorate: Directorate of Visiting Research Professor Programme**

### **Report on Lecture Series**

1. Title of the Event/Activity/program	Lecture Series on "Chaos and Complexity: The Dynamics of the physical world".
2. Date and Time	08/07/2024 – 09/07/2024 & 15/07/2024 – 16/07/2024 3.00 pm to 4:30 pm
3. Mode of conduct (Physical/Online)	Physical
4. School/ Directorate/ Section	Directorate of Visiting Research Professor Programme
5. Collaborating Agency/School/Directorate	
6. Detail of the Resource Person (Brief biodata)	Enclosed
7. Number of Faculty attended/participated	10
8. Number of Student attended / participated	50
9. No. of external students/faculty/other participants	Nil



**Goa University**

***Name of Directorate: Directorate of Visiting Research Professor Programme***

***Report on Lecture Series***

1. Title of the Event/Activity/program	Public Lecture on “The Unknown Damodar Dharmanand Kosambi” on some lesser -known aspects of D.D. Kosambi’s Life”.
2. Date and Time	10 <sup>th</sup> July 2024 2.30 pm to 4:00 pm
3. Mode of conduct (Physical/Online)	Physical
4. School/ Directorate/ Section	Directorate of Visiting Research Professor Programme
5. Collaborating Agency/School/Directorate	
6. Detail of the Resource Person (Brief biodata)	Enclosed
7. Number of Faculty attended/participated	12
8. Number of Student attended / participated	39
9. No. of external students/faculty/other participants	3

<p>10. The objectives of the Program/activity/event</p>	<p>Prof. Ramaswamy has been working on the life of Damodar Dharmanand Kosambi, the well-known historian and mathematician of Goan origin. In this seminar, he covered some aspects of DD Kosambi's life and work, particularly focusing on how his mathematics informed the manner in which he analysed ancient Indian history. He also brought to light lesser-known facts about DD Kosambi that had to do with his use of pseudonyms as well as his incorrect proof of an important mathematical theorem.</p>
<p>11. Description of the Program/activity/event</p>	<p>Dr Ramaswamy spoke for about one hour on the various topics, and a slide presentation was also prepared. About 50 students from various departments had assembled as well as about 10 faculty members.</p>
<p>12. Benefit/Key outcomes of the Program/activity/event</p>	<p>Students were given some exposure to the breadth of ideas that Kosambi explored during his relatively short life of 59 years. This was largely possible due to the liberal education that he had received at Harvard and which was not available in India in the 1920's. The subjects that he could study in America moulded his research interests, and the importance of keeping an open mind was emphasised.</p>
<p>13. Enclosures with report</p>	<p>Brochure, Photos, Attendance of students/faculty/external participants, Bio Data of resource person.</p>



**Goa University**

***Name of Directorate: Directorate of Visiting Research Professor Programme***

***Report on Lecture Series***

1. Title of the Event/Activity/program	Public Lecture on “Introduction to Computational and System Biology”.
2. Date and Time	12 <sup>th</sup> July 2024 3:00 pm to 4:30 pm
3. Mode of conduct (Physical/Online)	Physical
4. School/ Directorate/ Section	Directorate of Visiting Research Professor Programme
5. Collaborating Agency/School/Directorate	School of Biological Sciences and Biotechnology
6. Detail of the Resource Person (Brief biodata)	Enclosed
7. Number of Faculty attended/participated	10
8. Number of Student attended / participated	67
9. No. of external students/faculty/other participants	Nil

<p>10. The objectives of the Program/activity/event</p>	<p>The objectives of the lecture was to give the students and faculty an introduction to Computational and System Biology which is a very upcoming topic in understanding the tools in Bioinformatics.</p>
<p>11. Description of the Program/activity/event</p>	<p>The lecture was well appreciated and the topic was explained in very simple language giving the relevance and use of System Biology in Biological Sciences.</p>
<p>12. Benefit/Key outcomes of the Program/activity/event</p>	<p>Introduction to System Biology and its applications as a tool in Bioinformatics and Biotechnology.</p>
<p>13. Enclosures with report</p>	<p>Brochure, Photos, Attendance of students/ faculty/external participants, Bio Data of resource person.</p>

## **Bio Data**

**Ram Ramaswamy** (born 14 October 1953 in Chennai, India) is an Indian scientist and was a Professor of Chemistry at JNU and the VC of University of Hyderabad.

### **Education and career**

He obtained his B.Sc. in chemistry (1972) from Loyola College, Chennai, then M.Sc. in chemistry from the IIT, Kanpur, and Ph.D. (1978) from Princeton University where he worked under the supervision of Herschel Rabitz. He then moved to California Institute of Technology, Pasadena, where he was between 1978 and 1980, working with Prof. Rudolph A. Marcus.

He returned to India in 1980 and joined the Tata Institute of Fundamental Research as visiting fellow (1981) and fellow (1983). In 1986 he moved to the Jawaharlal Nehru University as one of the first members of the School of Physical Sciences, and has been at JNU since then. In addition to a professorship in the School of Physical Sciences, he is also on the faculty of the Centre for Computational Biology and Bioinformatics in the School for Computational and Integrative Sciences at JNU. He has to date supervised about 35 PhD students.

He spent a year on sabbatical at the Institute for Molecular Science in Okazaki, Japan (1989–90). A second sabbatical (2004–05) was spent at the Institute for Advanced Study, Princeton. In 2011 he was appointed Vice Chancellor of the University of Hyderabad. He resigned the position in January 2015, returning to his substantive positions at the Jawaharlal Nehru University. After his retirement from JNU in 2018, he joined IIT Delhi as visiting professor where is still serving.

He was Vice President of the Indian National Science Academy, New Delhi, as well as of the Indian Academy of Sciences, Bangalore. He served as President of the Indian Academy of Sciences, Bangalore, during 2016–2018.



**DIRECTORATE OF VISITING RESEARCH PROFESSORS PROGRAMME  
D.D. KOSAMBI CHAIR IN INTERDISCIPLINARY STUDIES, GOA UNIVERSITY**

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**ORGANIZES**

**PUBLIC LECTURE AND LECTURE SERIES**



**BY**

o o o o  
**PROFESSOR  
RAMAKRISHNA RAMASWAMY**

o o o o  
**FORMER PRESIDENT OF INDIAN ACADEMY OF SCIENCE  
FORMER VICE-CHANCELLOR OF THE UNIVERSITY OF HYDERABAD  
VRP UNDER D.D. KOSAMBI CHAIR**

<b>SR. NO</b>	<b>NAME OF VRP</b>	<b>DATE</b>	<b>VENUE</b>	<b>TITLE AND TIMING OF TALK</b>
1	Prof. Ramakrishna Ramaswamy	10.07.2024	Seminar Hall, Directorate Block, Goa University	"The Unknown Demoder Dharmanand Kosambi" on some lesser-known aspects of D.D. Kosambi's life 2.30 PM TO 4.00 PM.
2	Prof. Ramakrishna Ramaswamy	08.07.2024/09.07.2024/15.07.2024 and 16.07.2024	Room No-AG-34, physics department, Block A, Goa University	"Chaos and Complexity: The Dynamics of the physical world". 3.00 PM TO 4.30 PM.

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**LECTURE COORDINATOR: PROF. KAUSTUBH PRIOLKAR, SCHOOL OF PHYSICAL AND APPLIED SCIENCES.**

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**PROF. SAVITA KERKAR  
DIRECTOR, VRPP**

For details- [www.vrpp.unigoa.ac.in](http://www.vrpp.unigoa.ac.in)

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**DIRECTORATE OF VISITING RESEARCH PROFESSOR PROGRAMME  
D.D. KOSAMBI CHAIR IN INTERDISCIPLINARY STUDIES**

IN COLLABORATION WITH

**SCHOOL OF BIOLOGICAL SCIENCES & BIOTECHNOLOGY, GOA UNIVERSITY  
"BIOTECHNOLOGY DISCIPLINE"**



**ORGANIZES  
A PUBLIC LECTURE  
ON**

**"INTRODUCTION TO COMPUTATIONAL AND  
SYSTEMS BIOLOGY"**

**BY**

**PROF. RAMAKRISHNA  
RAMASWAMY**

Former President of Indian Academy of Sciences  
Former Vice-Chancellor of the University of Hyderabad  
VRP under D.D. Kosambi Chair

**At**

 VRPP Seminar Hall, Directorate Building, D Block, Goa University.



Date: 12th July, 2024



Time: 3.00 PM

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Prof Savita Kerkar  
Director, VRPP  
.....

For details- [www.vrpp.unigoa.ac.in](http://www.vrpp.unigoa.ac.in)

email- [vrpp@unigoa.ac.in](mailto:vrpp@unigoa.ac.in)





School of Physical and Applied Sciences

Talk on 'Chaos and Complexity: The Dynamics of the physical world' Date: 8/7/2024

Sl.No.	Name	Signature
1	Kaustubh Priolkar	[Signature]
2	Bhatham S. Bhat	[Signature]
3	Manthan Sawant	[Signature]
4	Arjay Nagvekar	[Signature]
5	Venkatelsha Hathwar	[Signature]
6	Sudhri Chetukalappurath	[Signature]
7	Pratima Desai	[Signature]
8	Pulal Govakar	[Signature]
9	Aditya V. Amarekar	[Signature]
10	Poornima G. Sudhri	[Signature]
11	Chelienne Fernandes	[Signature]
12	Shahinoor Jawahri	[Signature]
13	Rubana Bay	[Signature]
14	Arantxa R. Correto	[Signature]
15	Sweeta S. Morigkar	[Signature]
16	Krutika S. Shivolkar	[Signature]
17	Bholanath Pachari	[Signature]
18	Rajeshkumar Nyam	[Signature]
19	Vrushang D Madkar	[Signature]
20	Imaad A. Shah	[Signature]
21	Sankalp V Shivolkar	[Signature]
22	Shubham S. Gurus	[Signature]
23	Bhargav K. Alavani	[Signature]
24	Pranav Nair	[Signature]
25	Samiksha Almarani Kelkar	[Signature]

26	Manish Hant	[Signature]
27	Saxhitha Shetty	[Signature]
28	Krupesh Velip	[Signature]
29	Sushil Madhankar	[Signature]
30	Pamita Banaukhar	[Signature]
31	Shranya Borkar	[Signature]
32	Khushi Phadte	[Signature]
33	Shreya Prabhu Gaurkar	[Signature]
34	Kimberly Estibeiro	[Signature]
35	Bashma Rout Desai	[Signature]
36	Pallavi P. Gunde	[Signature]
37	Olivia Dias	[Signature]
38	Karina K. Velip	[Signature]
39	Aditya Krishna M	[Signature]
40	Sukhadev H. Yadav	[Signature]
41	Ashvada A. Velip	[Signature]
42	John Phadte	[Signature]
43	SANTANA SAWANT	[Signature]
44	Tanaya M Talakar	[Signature]
45	Sr. Clevis Fernandes	[Signature]
46	Sakshi Desai	[Signature]

School of Physical and Applied Sciences

Talk on 'Chaos and Complexity: The Dynamics of the physical world' Date: 9/7/2024

Sl.No.	Name	Signature
1	Kaustubh Priolkar	[Signature]
2	ERWIN DESA	[Signature]
3	Bashma Rout Desai	[Signature]
4	Manish Hant	[Signature]
5	Rubana Bay	[Signature]
6	Sr. Clevis Fernandes	[Signature]
7	Vinita Diukan	[Signature]
8	Tanaya M. Talakar	[Signature]
9	Aditya Krishna M	[Signature]
10	Rohan Arolkar	[Signature]
11	Bhargav K Alavani	[Signature]
12	Venkatelsha Hathwar	[Signature]
13	Bholanath Pachari	[Signature]
14	Olivia Dias	[Signature]
15	Sukhadev H. Yadav	[Signature]
16	Sanjana Sawant	[Signature]
17	Sujay Rane	[Signature]
18	Shubham S Gurus	[Signature]
19	Miten Azavedo	[Signature]
20	Krutika S Shivolkar	[Signature]
21	Pulal P. Govakar	[Signature]
22	Mahima M. Patkar	[Signature]
23	Ravina J. Patil	[Signature]
24	Samruddhi S. Gauni	[Signature]
25	Sweeta P Velip	[Signature]

26	Bhatham S. Bhat	[Signature]
27	Karina K. Velip	[Signature]
28	Sarvesh S. Naik	[Signature]
29	Simar Agnelo Fernandes	[Signature]
30	Govinda S. Fadle	[Signature]
31	Harsh Gad	[Signature]
32	Sihanshi V. Padlatar	[Signature]
33	Aditya A Naik	[Signature]
34	Vikas Yadav	[Signature]
35	Sagar J. Velip	[Signature]
36	Ushank Parab	[Signature]
37	Pallavi P. Gunde	[Signature]
38	Manthan Sawant	[Signature]
39	Kaustubh Priolkar	[Signature]
40	John Phadte	[Signature]
41	Shreya Prabhu Gaurkar	[Signature]
42	Pamita BANU	[Signature]
43	Smriten G. Fal Desai	[Signature]
44	Arjay Nagvekar	[Signature]
45	Ramita Banaukhar	[Signature]
46	Shranya Borkar	[Signature]
47	Meghana Kandalkar	[Signature]
48	Khushi Phadte	[Signature]
49	Krupesh Velip	[Signature]
50	Kimberly Estibeiro	[Signature]
51	Joshie Colaco	[Signature]
52	Dylan Fernandes	[Signature]
53	Dhya Naik	[Signature]
54	Imaad Shah	[Signature]
55	Kausha Chodankar	[Signature]
56	Shranya Naik	[Signature]
57	Rukma Sinari	[Signature]

**ATTENDANCE**

Name of Lecture: "The Unknown Damodar Dharmanand Kosambi" on some lesser-known aspects of D.D. Kosambi's life

Name of Lecture Instructor: Professor Ramakrishna Ramaswamy, Visiting Research Professor, D.D.Kosambi Chair in Interdisciplinary Studies

Date: 10.07.2024, Time: 2.30pm.

**PUBLIC LECTURE ATTENDANCE**

Sr.No	Name of Participants	Email ID	Signature
1	Dr Subash Kerkar	subash.kerkar1959@gmail.com	[Signature]
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**ATTENDANCE**

Name of Lecture: "Introduction to Computational and Systems Biology"

Name of Lecture Instructor: Professor Ramakrishna Ramaswamy, Visiting Research

Professor, D.D.Kosambi Chair in Interdisciplinary Studies

Date: 12.07.2024, Time: 3.00pm.

**PUBLIC LECTURE ATTENDANCE**

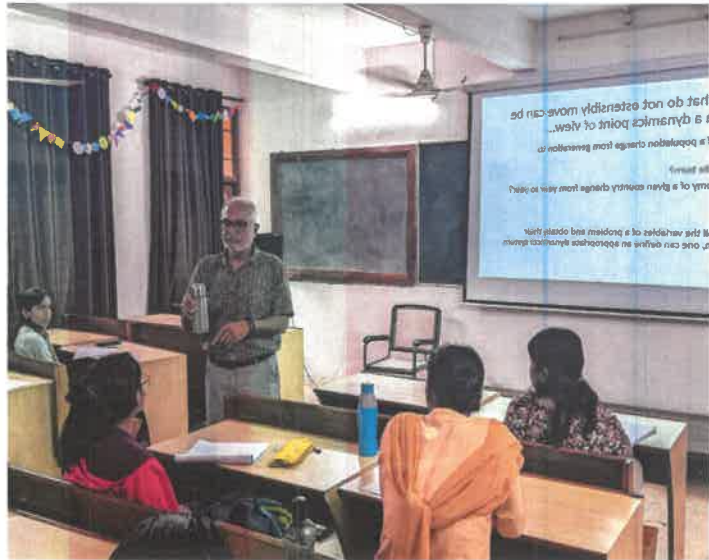
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48	Vaishnavi Patkar	vaishnavipatkar02@gmail.com	Vaishnavi
49	Almal Viji	aharvi09@gmail.com	Almal
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54	Bicky Pradhan	bickypradhan2310@gmail.com	Bicky
55	Tlegheemath Prabhu		Tlegheemath
56	Sanika Samant	sanika.samant@unipqa.ac.in	Sanika
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58	Gandhita V. Kundaikar	gandhita@unipqa.ac.in	Gandhita
59	Preeti Pereira	preeti.pereira@unipqa.ac.in	Preeti
60	Mala Kumari	malaikumari3025@gmail.com	Mala
61	Anita Yadav	anita2407yadav@gmail.com	Anita
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62	Ashwita Pednekar	pednekarashwita@gmail.com	Ashwita
63	Raveena Shiradkar	raveenashiradkar52@gmail.com	Raveena
64	Sejal Kerkar	sejalkerkar05@gmail.com	Sejal
65	Shwani Redkar	redkarshwani01@gmail.com	Shwani
66	Elisa Michael	elisa.michael4983@gmail.com	Elisa
67	Katrina Kataria	katariaajshana107@gmail.com	Katrina
68	Soham Naik	hello@sohamnaik.com	Soham
69	Shikha Parri		Shikha
70	Simran Jellingkar	simranujellingkar02@gmail.com	Simran
71	Shreya Karkar	shreyakarkar06@gmail.com	Shreya
72	MASRIFA SHAIK	masrifashaik@gmail.com	Masrifa
73	Kashveer Gadgil	kashveer.gadgil@gmail.com	Kashveer
74	Vallario Fernandes		Vallario
75	Akhil-A. Kalangutkar	kalangutkarakhil@gmail.com	Akhil
76	Shrutika Puri	shrutikapuri@gmail.com	Shrutika
77	Jessal Kulkarni		Jessal




## Photos of Lecture series by Prof. Ramakrishna Ramaswamy







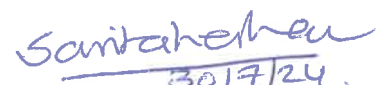


Signature: 

Name of coordinator: Prof. Kaustubh Priolkar

Designation: Professor

Date: 16/07/2024

  
30/7/24.  
Signature

Dean/Director/Head

