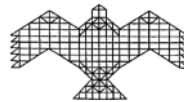


EIGHTH NIAS COURSE
ON
AN INTEGRATED APPROACH TO KNOWLEDGE AND INFORMATION
FOR UNIVERSITY AND COLLEGE TEACHERS

Co-sponsored by
University Grants Commission, New Delhi
Indian Space Research Organization, Bangalore
and
Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore

10 February to 2 March 2005

Course theme
RESEARCH AND DEVELOPMENT IN INDIA: CURRENT FRONTIERS



National Institute of Advanced Studies
Indian Institute of Science Campus
Bangalore 560 012

DAILY SCHEDULE

06.00 AM - 07.00 AM	Yoga
08.00 AM - 09.00 AM	Breakfast
09.30 AM - 11.00 AM	First lecture
11.00 AM - 11.30 AM	Tea/Coffee
11.30 AM - 01.00 PM	Second lecture
01.00 PM - 02.00 PM	Lunch
02.00 PM - 03.30 PM	Third lecture/Seminar by participants
03.30 PM - 04.00 PM	Tea/Coffee
04.00 PM - 06.00 PM	Seminar by participants
07.00 PM - 08.30 PM	Evening programme
08.30 PM - 09.30 PM	Dinner

INAUGURATION

10 February, Thursday, 9.30 AM

Inaugural Lecture by K Kasturirangan, Director, NIAS

India's Space Programme – The Challenges Ahead

EVENING PROGRAMME

10 February, Thursday	Lecture: Technology and Cooperative Approaches to Regional Security Kent L Biringer and Michael G Vannoni Sandia National Laboratories, USA
11 February, Friday	Lecture: Globalization, Development, and the Mobility of Technical Talent: India and Japan in Comparative Perspectives Anthony P D'Costa, University of Washington, USA
21 February, Monday	Theatre: Partition Bangalore Little Theatre, Bangalore
28 February, Monday	Theatre: Hardy's Apology Ordinary People, NIAS
1 March, Tuesday	Farewell Function

VALEDICTORY

2 March, Wednesday, 2.00 PM

Valedictory Address by Roddam Narasimha

The Strange Dynamics of Technology

A Discussion on the Course: Course Participants and NIAS Faculty

WEEK I

- 10 Feb, Thu m: **Inauguration**
a: Orientation to the Course and Meeting with the Faculty of NIAS
- 11 Feb, Fri m: **Gandhian Method and Current Policy**
Narendar Pani, Economic Times, Bangalore
- In the Beginning...**
Sundar Sarukkai, NIAS
- a: **Origin and Evolution of the Human Species**
Sindhu Radhakrishna, NIAS
- Self-Introduction
- 12 Feb, Sat m: Visit to Belur, Halebid and Shravanabelgola

WEEK II

- 14 Feb, Mon m: **Mind and Consciousness**
Sangeetha Menon, NIAS
- Agricultural Revolutions in India**
P K Shetty, NIAS
- a: **Adolescent Mental Health**
Malavika Kapur, NIAS
- Self-Introduction
- 15 Feb, Tue m: **Gender, Education and Occupation**
B K Anitha, NIAS
- Conserving Wildlife in a Crowded Country**
M D Madhusudan, NCF, Mysore
- a: **Classical Astronomy in India**
S Balachandra Rao, NIAS
- Self-Introduction
- 16 Feb, Wed m: **Combating WMD Terrorism**
Panel Discussion
- Chair:** S Chandrasekhar, NIAS
- Nuclear Terrorism**
S Rajagopal, NIAS
- Chemical Terrorism**
M J Vinod, Bangalore University, Bangalore
- Biological Terrorism**
Lawrence Prabhakar, Madras Christian College, Chennai
- a: **Indo-US Relations**

Arvind Kumar, NIAS

Self-Introduction

17 Feb, Thu m: **Learning the Baiga Way: A Study of Three Pedagogic Sites**
Padma M Sarangapani, NIAS

Can Mathematics be Made Easy?
Prabhakar Vaidya, NIAS

a: **We and the Prime Numbers**
K Ramachandra, NIAS

Self-Introduction

18 Feb, Fri m: **Cartooning India**
N S Ponnappa, Bangalore

Nanobiology: Advancing Frontiers
G V Shivashankar, NCBS, Bangalore

a: **The Science and Ethics of Human Cloning**
Anindya Sinha, NIAS

Self-Introduction

19 Feb, Sat m: **The Teacher as Practitioner of Human Relationships
and Facilitator of Change: Workshop**
a: Sudhakar S Nayak, MAHE, Manipal

WEEK III

21 Feb, Mon m: **A Changing India: Is the Media Keeping Up?**
Sridhar K Chari, The Tribune, Bangalore

Democracy and Civil Society
D Rajashekar, ISEC, Bangalore

a: **Computational Methods for Script Identification**
H K Anasuya Devi, NIAS

Self-introduction

22 Feb, Tue m: **Some Reflections on 'What is living and What is dead in Indian
Philosophy'**
M G Narasimhan, NIAS

Mathematics and Useful Laziness
Tim Poston, NIAS

a: Project

Ritual Art Forms of the Southern West Coast of India
Balan Nambiar, Bangalore

23 Feb, Wed m: **Studying Rural India**
A R Vasavi, NIAS

Indian Power Sector: Its Sustainability

D P Sengupta, NIAS

a: **Metallurgical Heritage of India**

Sharada Srinivasan, NIAS

Project

24 Feb, Thu m: **Privatisation of Higher Education: Issues and Perspectives**
Panel Discussion

Chair: B K Anitha

Role of Private Institutions in Higher Education

M K Panduranga Setty, Rashtriya Vidyalaya Institutions, Bangalore

Corporatisation of Higher Education

G Ajay, ISEC, Bangalore

Equity and Access for Rural Students

T Venkatesh Murthy, Acharya Patshala Evening College, Bangalore

a: Project

Brain and Behaviour: Interdependencies

Shobini L Rao, NIMHANS, Bangalore

25 Feb, Fri m: **History Writing in the Last Fifty Years**
S Settar, NIAS

Status of Muslim Women in India

Mumtaz Ali Khan, Bangalore

a: **Reason and Mechanism for Cellular Compartmentalisation**

Satyajit Mayor, NCBS, Bangalore

Project

26 Feb, Sat m: **Hindustani Classical Music:** A lecture-demonstration
Aditi Upadhya, Bangalore

WEEK IV

28 Feb, Mon m: **Globalisation: Challenges and Constraints**
Panel Discussion

Chair: Sundar Sarukkai

Globalisation in the Agriculture Sector

V M Rao, Institute for Human Development, New Delhi

Globalisation in the Health Sector

Thelma Narayan, Community Health Centre, Bangalore

Globalisation and the Environment
H C Sharatchandra, Bangalore

a: **Astronomy in India: Opportunities and Facilities**
B V Sreekantan, NIAS

Project

