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
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
1 Mar, Tue m:  Engendering Governance
N Shantha Mohan, NIAS

Applications of Nanotechnology
Giridhar U Kulkarni, JNCASR, Bangalore

a: ASTROSAT – The Indian Astronomical Satellite
G Srinivasan, RRI, Bangalore

Project

2 Mar, Wed m:  Current Issues in Urban Development
Panel Discussion

Chair: Carol Upadhya

Infrastructure Development
Leo Saldanha, Environment Support Group, Bangalore

Urban Governance
Vinod Vyasulu, Centre for Budget and Policy Studies, Bangalore

Land Issues in Development
Solomon Benjamin, Bangalore

a: Valedictory