

# **SEVENTH NIAS COURSE**

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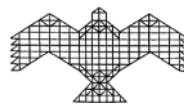
## **AN INTEGRATED APPROACH TO KNOWLEDGE AND INFORMATION FOR UNIVERSITY AND COLLEGE TEACHERS**

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

27 October to 16 November 2003

Course theme:  
SCIENCES,

FRONTIERS OF KNOWLEDGE IN THE NATURAL  
SOCIAL SCIENCES, TECHNOLOGY AND THE ARTS



**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 - 08.45 AM	Breakfast
09.00 AM - 10.30 AM	First lecture
10.30 AM - 11.00 AM	Tea/Coffee
11.00 AM - 12.30 PM	Second lecture
12.30 PM - 01.30 PM	Lunch
01.30 PM - 03.00 PM	Third lecture
03.00 PM - 03.30 PM	Tea/Coffee
03.30 PM - 05.30 PM	Seminar by participants
07.00 PM - 08.30 PM	Evening programme
08.30 PM - 09.30 PM	Dinner

## INAUGURATION

27 October, Monday, 9.30 AM

**Inaugural Lecture** by Dr Raja Ramanna

**Do We Really Need Universities?**

## EVENING PROGRAMME

27 October, Monday

Lecture: **Turning Natural History into Science**  
K Ullas Karanth, WCS-CWS, Bangalore

31 October, Friday

Lecture: **Coffee Yatra: The World of Indian Coffees**  
Lakshmi Venkatachalam, Indian Coffee Board, Bangalore

13 November, Thursday **Farewell Function**

14 November, Friday

Lecture: **Moksha and Martyrdom: Reflections on  
Ramana Maharshi and Mahatma Gandhi**  
Ramchandra Gandhi, Bangalore University

## VALEDICTORY

15 November, Saturday, 9.30 AM

**Valedictory Address**

**A Discussion on the Course:** Course Participants and NIAS Faculty

## WEEK I

- 27 Oct, Mon m: **Inauguration**  
a: Orientation to the Course and Meeting with the Faculty of NIAS
- 28 Oct, Tue m: **Humanism and Power**  
Narendar Pani, Economic Times, Bangalore
- Linkages between Higher Education and Elementary Education**  
Padma Sarangapani, NIAS
- a: **The Role of Computation in Modern Science**  
Srikanth Sastry, JNCASR, Bangalore
- A meeting with Dr Armaity Desai, former Chairperson, UGC**  
Self-Introduction
- 29 Oct, Wed m: **Indian History in the 21<sup>st</sup> Century**  
S Settar, NIAS
- Conserving Wildlife in a Crowded Country**  
M D Madhusudan, NIAS
- a: **Turtle People – A Documentary Film**  
Surabhi Sharma, Bangalore
- Self-Introduction
- 30 Oct, Thu m: **The Strange Dynamics of Technology**  
R Narasimha, NIAS
- The Mind of a Terrorist**  
R L Kapur, NIAS
- a: **Tectonic Shift? Indian Geostrategy in the International System**  
Sridhar K Chari, NIAS
- Self-Introduction
- 31 Oct, Fri m: **Human Rights in Relation to Religious Freedom: An Islamic Perspective**  
Mumtaz Ali Khan, Bangalore
- The Nanoworld Around Us**  
Giridhar U Kulkarni, JNCASR, Bangalore
- a: **Is the Climate of the Earth Really Changing?**  
J Srinivasan, IISc, Bangalore
- Self-Introduction
- 1 Nov, Sat m: **The Teacher as Practitioner of Human Relationships and Facilitator of Change: Workshop**  
a: Sudhakar S Nayak, MAHE, Manipal

## WEEK II

- 3 Nov, Mon m: **Viruses and Our Fight Against Them**  
Soumitra Das, IISc, Bangalore
- Consciousness in Humans and in Animals**  
Anindya Sinha, NIAS
- a: **Issues in Globalisation and the WTO**  
Chiranjib Sen, IIMB, Bangalore
- Self-Introduction
- 4 Nov, Tue m: **A Brave New World: Modern Genetic Technologies**  
Panel Discussion
- Animal Experimentation**  
Ravindranath Nayak, IISc, Bangalore
- Human Cloning**  
K P Gopinathan, IISc, Bangalore
- Bioethical Issues**  
V Ravi, NIMHANS, Bangalore
- a: **Role of Tradition in Science and Literature**  
M G Narasimhan, NIAS
- Self-Introduction
- 5 Nov, Wed m: **Frontiers of Non-linear Dynamics**  
Prabhakar G Vaidya, NIAS
- Contemporary Issues in Indian Social Anthropology**  
A R Vasavi, NIAS
- a: Self-introduction
- Brain and Behaviour: Interdependencies**  
Shobini L Rao, NIMHANS, Bangalore
- 6 Nov, Thu m: **Adolescent Mental Health**  
Malavika Kapur, NIAS
- Data Mining for College Teachers**  
R Uma Shaanker, UAS, Bangalore
- a: **Archaeo-metallurgy: An Emerging Interdisciplinary Frontier**  
Sharada Srinivasan, NIAS
- Project
- 7 Nov, Fri m: **A Re-look at Gandhian Thinking**  
Samir Banerjee, Bangalore
- The Present Revolution in Astronomy**  
G Srinivasan, RRI, Bangalore
- a: **Role of Nuclear Weapons in International Politics**  
Arvind Kumar, NIAS

Project

8 Nov, Sat

Visit to **Nrityagram**, Hesarghata, Bangalore

### WEEK III

- 10 Nov, Mon m: **Philosophy and Common Sense**  
Sundar Sarukkai, NIAS
- Reason and Mechanism for Cellular Compartmentalisation**  
Satyajit Mayor, NCBS, Bangalore
- a: **Samvaada: Psychology of Dialoguing in Indian Thought**  
Sangeetha Menon, NIAS
- Project
- 11 Nov, Tue m: **Information and Communications Technologies (ICTs) for Social Change**  
Panel Discussion
- ICTs and Social Change: Possibilities and Prognosis**  
Anita Gurumurthy, IIMB, Bangalore
- ICTs and Primary School Education**  
J Shankar, Azim Premji Foundation, Bangalore
- The Dimension of Intellectual Property Rights**  
Sunil Abraham, Mahiti, Bangalore
- a: **Security and Reliability on the Internet**  
Priti Shankar, IISc, Bangalore
- Project
- 12 Nov, Wed m: **From Green Revolution to Gene Revolution: Frontiers in Indian Agriculture**  
P K Shetty, NIAS
- Gender, Education and Occupation**  
B K Anitha, NIAS
- a: **Contributions of Ancient Science to Today's Technology: Some Perspectives**  
H K Anasuya Devi, NIAS
- Project
- 13 Nov, Thu m: **Ancient India's Contribution to Astronomy**  
S Balachandra Rao, NIAS
- Gender and Governance**  
N Shantha Mohan, NIAS
- a: **Ritual Art Forms of the southern West Coast of India**  
Balan Nambiar, Bangalore
- Project
- 14 Nov, Fri m: **Hindustani Classical Music: A lecture-demonstration**

Aditi Upadhy, Bangalore

Project

15 Nov, Sat m: **Valedictory**