

PROGRAMME

TENTH 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

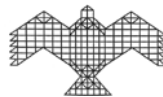
and

Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore

6 to 26 December 2006

Course Theme

**CURRENT FRONTIERS OF RESEARCH IN NATURAL SCIENCES,
SOCIAL SCIENCES AND HUMANITIES**



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
03.30 PM	-	04.00 PM	Tea / Coffee
04.00 PM	-	05.30 PM	Project Presentations by Participants
06.30 PM	-	08.00 PM	Evening Programme
08.30 PM	-	09.30 PM	Dinner

INAUGURATION

6 December 2006 10.00 a.m.

Inaugural Lecture by Prof P. Rama Rao, ISRO Dr Brahm Prakash Distinguished Professor
International Advanced Research Centre for Powder Metallurgy and New Materials, Hyderabad
The Status of Higher Education in India: Some Personal Perspectives

EVENING PROGRAMME

15 December, Friday	Lecture:	Leadership and Management in a Networked World Prof Dame Sandra Dawson, Director, Judge Business School, Cambridge
16 December, Saturday	Lecture:	Bangalore Metro Rail Project Shri V. Madhu, Managing Director Bangalore Metro Rail Corporation Limited
22 December, Friday	Lecture:	Human Rights and Dignity of Dalit Women Dr Ruth Manorama, President, National Alliance of Women and General Secretary, Women's Voice
23 December, Saturday	Theatre:	The Fourth Boon of Nachiketa A Play by Ordinary People Theatre Group
25 December, Monday	Farewell Function	

VALEDICTORY

26 December, Tuesday, 11.00 a.m.

Valedictory Address by Dr P. Venkatrangan, Vice Chancellor, Amrita Vishwa Vidyapeetham, Coimbatore
Approaches to Innovation and Transforming them into Societal Successes

WEEK I

- 06 Dec, Wed m: **Inauguration**
a: Orientation to the Course and Meeting with the Faculty of NIAS
- 07 Dec, Thu m: **Of Monkeys, Men and Morals: Studying Primates in India**
Anindya Sinha, NIAS
- Understanding Indo-US Nuclear Deal**
Arvind Kumar, NIAS
- a: **Think Big, Write Small - The Art of Nanolithography**
Giridhar U. Kulkarni, JNCASR, Bangalore
- Self-Introduction (1)
- 08 Dec, Fri m: **Indian Philosophical Traditions and Contemporary Thought: Workshop**
a:
- 09 Dec, Sat m: Visit to Belur, Halebid and Shravanabelgola

WEEK II

- 11 Dec, Mon m: **Scales of Organization in Cellular Systems**
Satyajit Mayor, NCBS, Bangalore
- Participatory Research in Governance**
Gopakumar Thampi, Public Affairs Foundation, Bangalore
- a: **Acoustic Communication in Crickets**
Rohini Balakrishnan, CES, IISC
- Self-Introduction (2)
- 12 Dec, Tue m: **Role of Historical Accidents in Contemporary Cities: The Case of Bangalore**
Narendar Pani, The Economics Times, Bangalore
- Leela, Dhyaana, Kriya and Artha
quests and contestations in the indian theatre today**
S. Raghunandana, Sambandha Theatre Company, Bangalore
- a: **Genetically Modified Food: Controversy and Uncertainty**
P.K. Shetty, NIAS
- Self-Introduction (3)
- 13 Dec, Wed m: **Towards New Sociologies of India**
A.R. Vasavi, NIAS
- Wildlife in India: What Must Be Conserved, By Whom, For What and How?**
M.D. Madhusudan, Nature Conservation Foundation, Mysore
- a: **Current Trends in Modern Astronomy**
B.V. Sreekantan, NIAS
- Self-Introduction (4)

- 14 Dec, Thu m: **Panel: Reservations in Higher Education**
Chair: V.K. Natraj, Mysore
Speakers: Rekha Pappu, Secunderabad
Padma M. Sarangapani, NIAS
- a: Project (1)
Project (2)
- 15 Dec, Fri m: **Three Problems in Cognitive Science**
Rajesh Kasturirangan, NIAS
- CEDAW: Application for Ensuring State Obligations**
N. Shantha Mohan, NIAS
- a: **The Frontier of Chaos**
Prabhakar G. Vaidya, NIAS
- Project (3)
- 16 Dec, Sat m: **The Teacher as Practitioner of Human Relationships
and Facilitator of Change: Workshop**
a: Sudhakar S. Nayak, MAHE, Manipal
- WEEK III**
- 18 Dec, Mon m: **Life Skills Education**
Shekhar P. Seshadri, NIMHANS, Bangalore
- Recent Trends in Antiviral Research**
Saumitra Das, MCBL, IISC
- a: **Navigating Knowledge**
Timothy Poston, NIAS
- Second Mohandas Moses Memorial Lecture: Actors, Acting and Action**
Shri Gopalkrishna Gandhi, His Excellency the Governor of West Bengal
- 19 Dec, Tue m: **Decision Making in Complex Systems – Lessons from the Cuban
a: Missile Crisis (Discussion on the Case and Screening of Movie –
Missiles of October)**
Lessons Learnt from the Case and the Movie
Chair: S. Chandrashekar, NIAS
- Project (4)
- 20 Dec, Wed m: **Gender, Science and Technology**
B.K. Anitha, NIAS
- Producing the Global IT Professional: Management of Culture in the
Indian Software Outsourcing Industry**
Screening of Film: Fun @ Sun
Carol Upadhya, NIAS
- a: **Biology and Psychology of the Mind**
Sanjeev Jain, NIMHANS, Bangalore
- Project (5)

- 21 Dec, Thu m: **Indian Astronomy – A Historical Perspective**
S. Balachandra Rao, NIAS
- Rural Employment Guarantee: What Does It Offer for Research**
S.S. Meenakshisundaram, NIAS
- a: Visit to ISRO Satellite Centre
- 22 Dec, Fri m: **The Lunar Mission**
K. Kasturirangan, NIAS
- Elite Institutions and Engineering Education: Promise, Performance and Potential**
R. Ravi, IIT Madras
- a: **Demystification of Psychology**
Malavika Kapur, NIAS
- Research Institutions, Universities and Students Interaction**
Panel: Natural Science Forum
Speakers:
S. Umapathy, IISC
Anindya Sinha, NIAS
Mythily Ramaswamy, TIFR, Bangalore
Jayanth Murthy, Indian Institute of Astrophysics, Bangalore
- Panel: Humanities and Social Sciences Forum**
Speakers:
V. Srinivas, CSCS, Bangalore
Sundar Sarukkai, NIAS
N. Shantha Mohan, NIAS
Shardool Thakur, Fergusson College, Pune
- 23 Dec, Sat m: **Hindustani Classical Music: A lecture-demonstration**
Aditi Upadhy, Bangalore
- WEEK IV**
- 25 Dec, Mon m: Feedback on the Course
- 26 Dec, Tue m: **Valedictory**