PROGRAMME

NINTH 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

28 December 2005 to 17 January 2006

Course Theme

EDUCATION, RESEARCH AND UNIVERSITIES

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 - 05.30 PM  Seminar by participants
06.30 PM - 08.00 PM  Evening programme
08.30 PM - 09.30 PM  Dinner

INAUGURATION

28 December 2005 10.00 a.m.

Inaugural Lecture by Prof P. Balaram, Director, Indian Institute of Science
Are Research Institutions Islands of Excellence

EVENING PROGRAMME

6 January, Friday  Lecture:  Dancing With The Gods – An Insight Into Creative Writing
Anita Nair, Bangalore

7 January, Saturday  Theatre:  Not An Ordinary Man
A Play on Einstein by Ordinary People Theatre Group

9 January, Monday  Lecture:  Higher Education and Career Development
Tony Watts, National Institute for Careers Education and Counselling, Cambridge, England

10 January, Tuesday  Lecture:  WTO and Trade Issues
Abdul Quader Shaikh, U.S. Department of Commerce, Washington

16 January, Monday  Farewell Function

VALEDICTORY

17 January, Tuesday, 11.00 a.m.

Valedictory Address by Prof M.S. Thimmappa, Vice-Chancellor, Bangalore University
The Hope for Indian University Education

A Discussion on the Course: Course Participants and NIAS Faculty
WEEK I

28 Dec, Wed m: Inauguration
   a: Orientation to the Course and Meeting with the Faculty of NIAS

29 Dec, Thu m: Creativity in Indian Science
   R.L. Kapur, NIAS

   Of Monkeys, Men and Morals: Studying Primates in India
   Anindya Sinha, NIAS

   a: Industry Institute Interaction
   Yogendra Simha, IISC, Bangalore

30 Dec, Fri m: The Future of Healthcare: Medical Pluralism
   Darshan Shankar, FRLHT, Bangalore

   An Exciting Journey Through the Nano-Tubes
   Ajay K. Sood, IISC, Bangalore

   a: Three Dimensions and Beyond
   Timothy Poston, NIAS

   Self-Introduction (1)

31 Dec, Sat m: Visit to Belur, Halebid and Shravanabelgola

WEEK II

2 Jan, Mon m: Indian Tradition and Contemporary Thought
   Sundar Sarukkai, NIAS

   An Overview of Indian Theatre
   S. Raghunandana, Sambandha Theatre Company, Bangalore

   a: Constituents of the Universe
   B.V. Sreekantan, NIAS

   Self-Introduction (2)

3 Jan, Tue m: Mental Health of Adolescents
   Malavika Kapur, NIAS

   Nanoscale Biology: Paradigm for Tabletop Experimental Science
   G.V. Shivashankar, NCBS, Bangalore

   a: Tribal Education: An Insider’s Viewpoint
   Jadegowda, Vivekananda Girijana Kalyana Kendra, Yelandur

   Self-Introduction (3)

4 Jan, Wed m: Biotechnology in Agriculture: Science and Business
P.K. Shetty, NIAS

**Excellence in Science and Technology Education in India**
B.K. Anitha, NIAS

a: *Life Skills Education*
Shekhar P. Seshadri, NIMHANS, Bangalore

Self-Introduction (4)

5 Jan, Thu  

m: **Applications of Nanotechnology**
Giridhar U. Kulkarni, JNCASR, Bangalore

How Contemporary are the IIMs? Business Curricula in a Globalised World
S. Chandrashekar, NIAS

a: Project (1)

Project (2)

6 Jan, Fri

m: **India, Pakistan and China: Looking for Convergence**
Panel Discussion
Chair: S. Chandrashekar, NIAS

Speakers:
S. Settar, NIAS
Lawrence S. Prabhakar, Madras Christian College, Chennai
Sonika Gupta, NIAS

a: **Indo-US Civilian Nuclear Cooperation**
S. Rajagopal and Arvind Kumar, NIAS

Project (3)

7 Jan, Sat

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

WEEK III

9 Jan, Mon

m: **Scales of Organization in Biology**
Satyajit Mayor, NCBS, Bangalore

Relevance of Gandhian Thought
Narendar Pani, Economic Times, Bangalore

a: **Electricity: Our Breath of Life. How are We Doing in India**
D.P. Sengupta, NIAS

Project (4)

10 Jan, Tue

m: **Equality and Quality of Education**
V.K. Natraj, Chennai
Globalisation and Higher Education

Thomas C. Mathew, Christ College, Bangalore

a: School Curriculum and Inter-linkages with Higher Education
Panel Discussion
Chair: Padma M. Sarangapani, NIAS
Speakers:
Veda Zachariah, Sanjeevini Trust, Bangalore
Niranjan Aradhya, National Law School of India University, Bangalore
Jyothi Sahi, Bangalore

11 Jan, Wed m: The Evolution of Myrmecophytism or How to be an Ant-Plant
Renee Borges, IISC, Bangalore

Right to Information Bill – 2005
Gopakumar Thampi, Public Affairs Foundation, Bangalore

a: Wings and Whirlpools: The Sciences of Fluid Flow
Roddam Narasimha, JNCASR, Bangalore

Project (5)

12 Jan, Thu m: Decentralisation – A Neglected Theme for Research
S.S. Meenakshisundram, NIAS

CEDAW and Educational Rights of Girls
N. Shantha Mohan, NIAS

a: Brain and Consciousness: Views and Challenges
Sangeetha Menon, NIAS

Project (6)

13 Jan, Fri m: Supernovae and Other Energetic Phenomenon
G.C. Anupama, IIA, Bangalore

Equity and Development: A Presentation of the 2006 World Development
Vijayendra Rao, World Bank

a: Visit to ISRO Satellite Centre

14 Jan, Sat m: Hindustani Classical Music: A lecture-demonstration
Aditi Upadhya, Bangalore

WEEK IV

16 Jan, Mon m: Taking Science to the Masses
Madhav Gadgil, IISC, Bangalore

Art and Technology
Vijay Naidu, Sri Bhagavan Mahavir Jain College, Bangalore

a: The Greatest Debate in the History of Modern Physics
M.G. Narasimhan, NIAS

Can Mathematics be Made Easy?
Prabhatkar G. Vaidya, NIAS

17 Jan, Tue m: Valedictory