PROGRAMME

ELEVENTH NIAS COURSE

ON

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

Co-sponsored By

University Grants Commission, New Delhi
and
Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore

16 January to 5 February 2008

Course Theme

FRONTIER AREAS OF RESEARCH AND EDUCATION:
THE ROLE OF UNIVERSITIES

National Institute of Advanced Studies
Indian Institute of Science Campus
Bangalore 560 012
## DAILY SCHEDULE

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>06.00 AM</td>
<td>Yoga</td>
</tr>
<tr>
<td>08.00 AM</td>
<td>Breakfast</td>
</tr>
<tr>
<td>09.30 AM</td>
<td>First Lecture</td>
</tr>
<tr>
<td>11.00 AM</td>
<td>Tea / Coffee</td>
</tr>
<tr>
<td>11.30 AM</td>
<td>Second Lecture</td>
</tr>
<tr>
<td>01.00 PM</td>
<td>Lunch</td>
</tr>
<tr>
<td>02.00 PM</td>
<td>Third Lecture</td>
</tr>
<tr>
<td>03.30 PM</td>
<td>Tea / Coffee</td>
</tr>
<tr>
<td>04.00 PM</td>
<td>Project Presentations by Participants</td>
</tr>
<tr>
<td>06.00 PM</td>
<td>Evening Programme</td>
</tr>
<tr>
<td>08.00 PM</td>
<td>Dinner</td>
</tr>
</tbody>
</table>

## INAUGURATION

16 January 2008 10.00 a.m.

**Inaugural Lecture** by Prof P. Balaram, Director, Indian Institute of Science, Bangalore  
**Reforming Indian Universities: Triad of Universities, Research Institutes and Industries**

## EVENING PROGRAMMES

- **16 January, Wednesday**  
  Lecture: **Growth of Power Sector in India**  
  by Dr R.P. Singh, CMD, Power Grid Corporation of India

- **31 January, Thursday**  
  Play: **Putti by R.K. Narayan**  
  The Seer Who Couldn't See … Saw  
  by Students of Oxford English School, Bangalore

- **4 February, Monday**  
  Farewell Function

## VALEDICTORY

5 February, Tuesday, 11.00 a.m.

**Valedictory Address** by Prof A. Vaidyanathan, Honorary Fellow  
Centre for Development Studies, Thiruvananthapuram  
**Social Science Research in India: Some Emerging Issues**
WEEK I

16 Jan, Wed m:  **Inauguration** (10.00 a.m.)
  a:  Orientation to the Course and Meeting with the Faculty of NIAS
  e:  Public Lecture (6.00 p.m.)

17 Jan, Thu m:  **Space and Security**  
  Prof Rajaram Nagappa, NIAS

  **Lilliputian Cups**  
  Prof Giridhar U. Kulkarni, JNCASR, Bangalore
  a:  Self-Introduction (1 & 2)

18 Jan, Fri m:  **Living with Large Wildlife: Science and Conservation in India - Workshop**  
  Prof Anindya Sinha, NIAS, Dr Sindhu Radhakrishna, NIAS and Dr M.D. Madhusudan, Nature Conservation Foundation, Mysore
  a:  Self-Introduction (3)

19 Jan, Sat  
  **Visit to Belur, Halebid and Shravanabelagola**

WEEK II

21 Jan, Mon m:  **Life Skills Education: Concept, Context, Content - Workshop**  
  Prof Shekhar P. Seshadri, NIMHANS, Bangalore
  a:  **Mental Health of Adolescents**  
  Prof Malavika Kapur, NIAS
  Self-Introduction (4)

22 Jan, Tue m:  **Indian Philosophical Traditions and Contemporary Thought: Workshop**  
  Prof Sundar Sarukkai, NIAS, Dr Sangeetha Menon, NIAS and Dr Rajesh Kasturirangan, NIAS
  Self-Introduction (5)

23 Jan, Wed m:  **When Mathematics Became Technology: The World Turing Made**  
  Prof Timothy Poston, NIAS

  **Role of Universities in Building Civil Societies**  
  Dr Gopakumar Thampi, Public Affairs Foundation, Bangalore
  a:  Self-Introduction (6 & 7)

24 Jan, Thu m:  **Advances in the Frontiers of Physical Sciences**  
  Prof B.V. Sreekantan, NIAS

  **Cultural Studies and New Institutional Spaces**  
  Dr S.V. Srinivas, CSCS, Bangalore
  a:  Project 1

  **Research Gaps in Decentralised Governance**  
  Dr S.S. Meenakshisundaram, NIAS
25 Jan, Fri m:  *Gender, Education and Occupation*  
Dr B.K. Anitha, NIAS  
  
*CEDAW: Application for Ensuring State Obligations*  
Prof N. Shantha Mohan, NIAS  
  
a:  *Project 3*  
  
*eResources for Teaching and Research*  
Ms Hamsa Kalyani, NIAS  

26 Jan, Sat m:  *Hindustani Classical Music: A Lecture-Demonstration*  
Ms Aditi Upadhya, Bangalore  

**WEEK III**  

28 Jan, Mon m:  *Do Animals have Minds?*  
Dr Howard Sankey, University of Melbourne, Victoria, Australia  
  
*Pakistan’s Ballistic Missile Programme*  
Prof S. Chandrashekar, NIAS  
  
a:  *Project 4 and Project 5*  

29 Jan, Tue m:  *Mathematics: Some Research Directions and Teaching*  
Prof Mythily Ramaswamy, TIFR, Bangalore  
  
*Teaching and Research: Dichotomy to Synthesis*  
Prof V.K. Natraj, Mysore  
  
a:  *Reinventing India in the New Global Economy*  
   
*and Screening of Film*  
Dr Carol Upadhya, NIAS  

  
Movie  

30 Jan, Wed m:  *Eclipses Transits and Occultations in Indian Astronomy*  
Dr S. Balachandra Rao, NIAS  
  
*Towards a Practice and Theory of Elementary Education*  
Prof A.R. Vasavi, NIAS  
  
a:  *Visit to IISc, Bangalore*  

31 Jan, Thu m:  *Cumulative Contexts, Necessary Interventions* (2 sessions)  
Mr S. Raghunandana, Sambandha Theatre Company, Bangalore  
  
a:  *Advances in Genetics and Disease: Implications for Health and Society*  
Prof Sanjeev Jain, NIMHANS, Bangalore  
  
e:  *Play (6.00 p.m.)*  

01 Feb, Fri m:  *Structural Changes in the Indian Economy*  
Prof Narendar Pani, NIAS  
  
*Child Labour: Movie*  
Dr V. Gayathri, MAYA, Bangalore  
  
a:  *Visit to ISRO Satellite Centre, Bangalore*
02 Feb, Sat m: Evaluating Special Economic Zones: Workshop
Prof P.K. Shetty, NIAS, Dr S.L. Rao, ISEC, Bangalore
Prof Narendar Pani, NIAS

Project 2

WEEK IV

04 Feb, Mon m: What is Philosophy’s Future? Constraints on Humanistic Education
Dr Cressida J. Heyes, University of Alberta, Alberta, Canada

The Head and the Hand: On Thought Experiments and Real Experiments in Sciences
Dr M.G. Narasimhan, NIAS

a: Free
e: Farewell Function (6.00 p.m.)

05 Feb, Tue m: Feedback on the Course
Valedictory