

NATIONAL INSTITUTE OF ADVANCED STUDIES

Bangalore, India



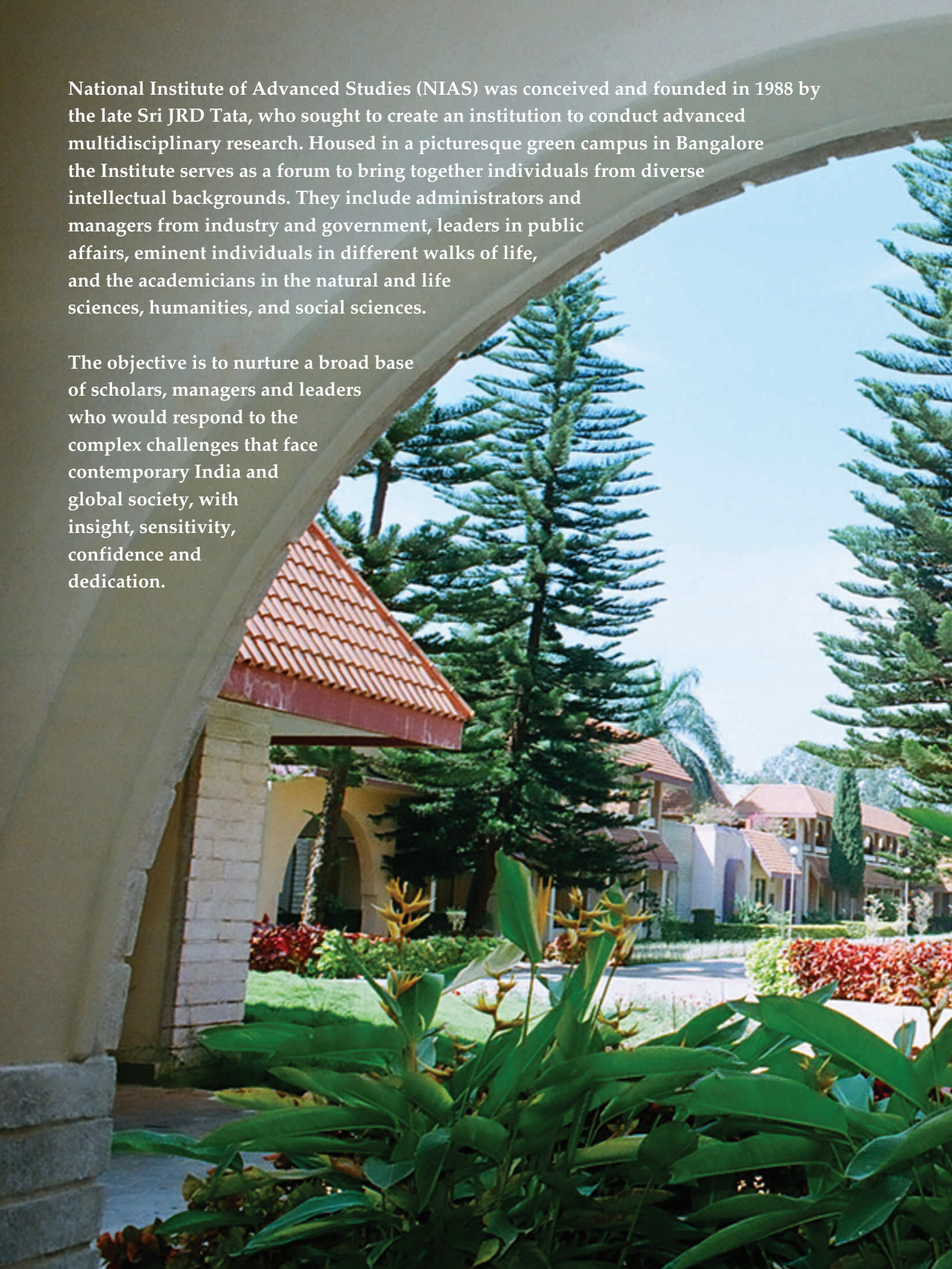
Cutting Edge Research

Multidisciplinary Studies

Leadership Excellence

National Institute of Advanced Studies (NIAS) was conceived and founded in 1988 by the late Sri JRD Tata, who sought to create an institution to conduct advanced multidisciplinary research. Housed in a picturesque green campus in Bangalore the Institute serves as a forum to bring together individuals from diverse intellectual backgrounds. They include administrators and managers from industry and government, leaders in public affairs, eminent individuals in different walks of life, and the academicians in the natural and life sciences, humanities, and social sciences.

The objective is to nurture a broad base of scholars, managers and leaders who would respond to the complex challenges that face contemporary India and global society, with insight, sensitivity, confidence and dedication.

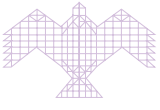




The Mission

To integrate the findings of scholarship in the natural and social sciences with technology and the arts through multi-disciplinary research on the complex issues that face Indian and global society.

To assist in the creation of new leadership with broad horizons in all sectors of society by disseminating the conclusions of such research through appropriate publications and courses as well as dialogues with leaders and the public.



Management

NIAS was registered as a Society under the Karnataka Societies Registration Act, 1960 on 20th June 1988. The Council of Management, the Academic Council and the Holding Trustees are the three authorities responsible for overall administration of the Institute. Sri JRD Tata was the first Chairman of the Council of Management. Dr Raja Ramanna was the Founder Director until his retirement in July 1997, and followed by Prof R Narasimha until 2004. Dr K Kasturirangan was the Director during 2004-2009.

Prof MS Swaminathan currently chairs the Council of Management. Prof VS Ramamurthy is the Director of the Institute.

Members of NIAS Council of Management

Chairman

Prof MS Swaminathan

Members

Dr JJ Irani

Dr VS Ramamurthy

Prof T Ramasami

Sri LV Nagarajan

Dr Devaki Jain

Ms Alka Sirohi

Prof P Balaram

Sri Xerxes Desai

Sri NR Narayana Murthy

Dr Arcot Ramachandran

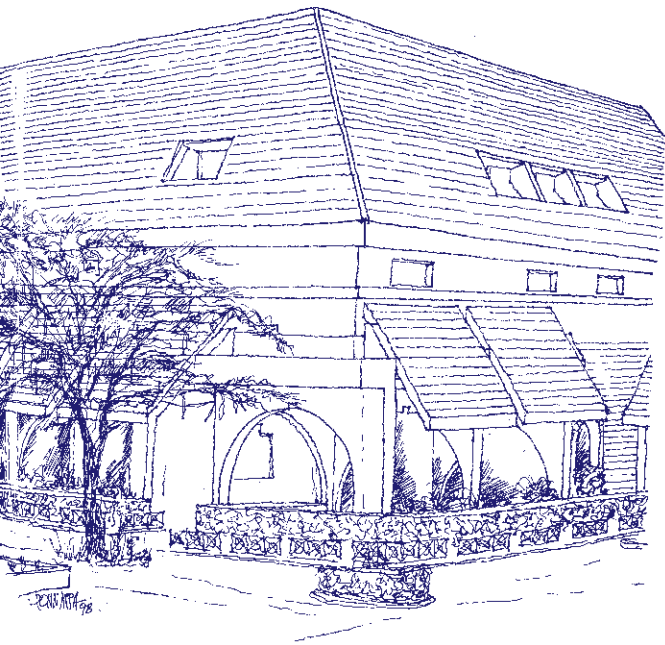
Prof André Béteille

Sri AN Singh

Ms G Latha Krishna Rao

The members of the Council of Management are also members of the NIAS Society, with Dr BV Sreekantan as an additional member. Prof Narendar Pani is the Secretary to both the Council of Management and the NIAS Society.



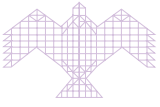


Research

The philosophy underlying NIAS is given shape by its research broadly in the areas of Humanities, Natural and Engineering Sciences, Social Sciences, and International Strategic & Security Studies. The Institute is unique in its integrated approach to the study of the intersections between science and technology, social issues, humanities and leadership.

The research areas covered at NIAS are broadly in the field of social and political issues, education, gender issues, philosophy, psychology, science and society, environment, agriculture, materials heritage, art, archaeometallurgy, science atlas, nanotechnology, history, social anthropology, interdisciplinary economics, strategic, security and foreign policy issues, consciousness studies, primate behavioural ecology, cognition, genetics, conservation and mathematical modelling. Research studies conducted by the faculty of the Institute are disseminated through publications in peer-reviewed journals, edited volumes, books, Institute's reports, and lectures & technical seminars.





History

Over the years, NIAS has moved towards fulfilling the dreams of its founder Sri JRD Tata, its founder Director Dr Raja Ramanna and its subsequent Directors Prof R Narasimha and Dr K Kasturirangan. As a multidisciplinary Institute, NIAS combines scientific and humanistic perspectives on topics of national and international importance. Activities of NIAS include research, analysis, publications and teaching. Following the ideas of its founder, NIAS has also been an educational centre for future leaders of India through its courses and educational programmes. Over the years, NIAS has created a unique ambience wherein researchers, scholars, speakers and visitors from a variety of disciplines interact in a meaningful manner. The PhD programme that was initiated in 2004 has added to the dynamism with exploratory interest in many interdisciplinary areas of research.

The Institute has ample facilities for conferences, lectures and theatrical programmes. The JRD Tata Auditorium and the Lecture Halls facilitate an ideal atmosphere for long hours of deliberation and discussion. Situated on five acres of land within the verdant campus of the Indian Institute of Science, the buildings of NIAS have a strikingly distinctive architecture with elegant lines and arched corridors. The fully furnished guest rooms make the visitors' and course participants' stay a pleasant one.

NIAS has an active programme of public lectures, regional, national and international conferences, symposia and seminars organized independently or jointly with other institutions, that focus on topical areas of research and public concern.



Sri JRD Tata planted a banyan sapling in the campus on 19th March 1993.



The banyan tree today...

1987



Dr Raja Ramanna takes charge as Founder Director.

1988

NIAS registered as a Society under the Karnataka Societies Registration Act (1960) on 20th June 1988.

Sri JRD Tata chairs the first meeting of the NIAS Council of Management.

First Meeting of the NIAS Council of Management on 8th August. Members present include Sri JRD Tata (Chairman), Sri JJ Bhabha, Dr Raja Ramanna, Dr CNR Rao, Sri TR Satish Chandran, Sri Ashok Ganguly, Sri Keshub Mahindra and Dr MGK Menon.



Dr RL Kapur joins on 1st October as Professor and starts the Unit on Health and Human Behaviour.

1989

First NIAS Course for Senior Executives (from 16th January to 18th February). Speakers include Prof Andre Beteille, Prof Romila Thapar, Prof N Mukunda. Twenty-eight senior executives attend. They include Sri ST Bhaskaran (Dept of Post, Karnataka Circle), Sri KU Limaye (DRDO), Sri B Muthuraman (The Tata Iron and Steel Co Ltd.), and Sri M Kamal Naidu (National Zoological Park).



1990

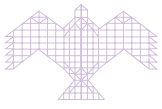


Prof CNR Rao (then Director, Indian Institute of Science) consents to be the Hon. Director (pro tempore) during the period when Dr Ramanna is away in Delhi as Minister of State.

1991



Dr CV Sundaram joins as the first Homi Bhabha Chair Professor on 18th November.



NIAS

1992



Prof MN Srinivas joins as the first JRD Tata Chair Professor on 2nd February.

Sri JRD Tata lays foundation stone of NIAS on 12th March.



Dr BV Sreekantan joins as the first S Radhakrishnan Chair Professor on 6th August.

1993

Sri JRD Tata plants a banyan sapling in the campus on 19th March.



Plan for JRD Tata Auditorium unveiled.

First NIAS Course for UGC Teachers from 4th to 30th October.

1997

Prime Minister HD Deve Gowda inaugurates NIAS JRD Tata Memorial Auditorium on 23rd March.



Prof R Narasimha takes over as Director on 1st August.

1998

President KR Narayanan visits NIAS on the occasion of the birth centenary celebrations of Prof KS Krishnan on 28th July.

A

S

Timeline

2004



Dr K Kasturirangan takes over as Director on 31st March.

Reorganisation of Units into three Schools: Humanities, Social Sciences, and Natural Sciences & Engineering.

Profs BV Sreekantan, PG Vaidya and Dilip Ahuja take charge as Deans of School of Humanities, School of Natural Sciences & Engineering and School of Social Sciences, respectively. S Rajgopal takes over as Dean, Administration.

Commencement of NIAS Doctoral Programme and induction of PhD students.

2005

President APJ Abdul Kalam delivers the 5th JRD Tata Birth Centenary Lecture.



Dr JJ Irani lays Foundation Stone of the Centenary Faculty Block on 2nd July.



2006

Faculty moved to the Centenary Faculty Block on 2nd October.



2008

NIAS celebrates its Vicennial Anniversary.

2009

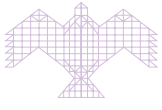


Dr VS Ramamurthy takes over as Director of NIAS on 2nd September.

2011

Twenty-fifth NIAS Course for Senior Executives on *Excellence in Leadership* (from 3rd to 8th January 2011) was inaugurated by Prof Yoginder K Alagh, Former Union Minister, Government of India. Eighteen participants attended. The speakers included Prof Vijayalakshmi Ravindranath, Mr MS Sathyu, Mr BG Verghese, Dr Mukund Govind Rajan, Mr Ravi Kant, Mr Krishna Byre Gowda, Air Chief Marshal SP Tyagi (Retd), Mr Paranjoy Guha Thakurta, Ms Sevanti Ninan, Mr Nandan Nilekani and Mr Nandan Kamath.





S C H



O O L S

School of Humanities

School of Humanities is engaged in research in philosophy, literature and the fine arts. Faculty of this school work on the philosophical foundations of sciences including mathematics; scientific and philosophical studies of consciousness; history and philosophy of science; analysis of ancient metals; social implications of nanotechnology; and translations of Kannada literary classics into English. The School organises many national and international conferences, as well as supports visitors to the School for varying durations.

School of Natural and Engineering Sciences

This School covers research in the fields of engineering, mathematics, agriculture, ecology and conservation biology. Current research interests of the faculty members include various aspects of signal processing; number theory; artificial intelligence; soft computing; language engineering; mathematical modelling of complex chaotic systems; studies on agro-ecology; natural resource conservation, particularly soil and water conservation; pesticide stewardship; conservation of wildlife; primate behaviour and cognition.

School of Social Sciences

With an eclectic mix of disciplines, School of Social Sciences is engaged in activities that include research, teaching, outreach, advocacy and consultancy. The faculty are drawn from sociology and social anthropology, gender studies, educational studies, economics, and energy studies, and have conducted several research-cum-outreach projects in the fields of education, gender, governance and development. Current areas of interest are in forging inter-disciplinary work to understand and address issues in the areas of water, energy, and education. The School also seeks to contribute to work on globalisation, organisations, development and economic sociology.



Director



V S Ramamurthy
PhD (Bombay University, Mumbai)

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Prof Valangiman Subramaniam Ramamurthy is presently the Director of the Institute. Prof Ramamurthy is a well known Indian nuclear scientist with a broad range of contributions from basic research to science administration. Prof Ramamurthy started his career in Bhabha Atomic Research Centre, Mumbai in the year 1963. He has made important research contributions, both experimental and theoretical, in many areas of nuclear fission and heavy ion reaction mechanisms, statistical and thermodynamic properties of nuclei, physics of atomic and molecular clusters and low energy accelerator applications. During the period 1995-2006, Prof Ramamurthy was fully involved in science promotion in India as Secretary to the Government of India, Department of Science & Technology (DST), New Delhi. He was also the Chairman of the IAEA Standing Advisory Group on Nuclear Applications for nearly a decade. After retirement from government service, Prof Ramamurthy, in addition to continuing research in Nuclear Physics in the Inter-University Accelerator Centre, New Delhi has also been actively involved in human resource development in all aspects of nuclear research and applications. Prof Ramamurthy is also a Chairman, Recruitment and Assessment Board, Council of Scientific and Industrial Research and Member, National Security Advisory Board. In recognition of his services to the growth of Science and Technology in the country, Prof Ramamurthy was awarded one of the top civilian awards of the country, the Padma Bhushan, by the Government of India in 2005.



Sangeetha Menon

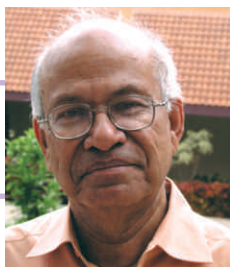
PhD (Thiruvananthapuram, Kerala)
Professor

prajnana@yahoo.com; smenon@nias.iisc.ernet.in

Dr Menon's graduate studies was in biology, while her post-graduation was in philosophy (with a gold medal). Her doctoral thesis was on 'The concept of consciousness in the Bhagavad Gita'. She is a recipient of the Swami Pranavanada Philosophy Trust of India National Award (1989) and the Young Philosopher National Award (2002). Her research areas cover consciousness and mind studies, and topical issues pertaining to Indian philosophy, Indian aesthetics and Indian psychology. She is also engaged in initiating and networking 'Science-Spirituality-Art' dialogues. She has lectured extensively in several research and academic institutions in India and other countries. She was a Visiting Professor (Spring 2007) at the Oxford Centre for Hindu Studies (Oxford University) and at the Nanzan Institute for Religion and Culture (Nagoya University, Japan) in Fall, 2007. Her website is www.samvada.com

joined NIAS on 8th January 1996

most significant research contribution Developed Indian transpersonal psychology, and initiated science-art-philosophy dialogues on consciousness particularly in the context of Indian aesthetics, dramaturgy and spiritual traditions.



S Ranganathan

PhD (Cambridge University, UK)
Homi Bhabha Visiting Professor

rangu2001@yahoo.com

Prof Srinivasa Ranganathan obtained his BE degree from the Indian Institute of Science in 1962 and PhD from the University of Cambridge in 1965. He has spent over four decades in teaching and research in physical metallurgy. He has over 300 papers and coauthored a book on New Geometries for New Materials published by Cambridge University Press with several seminal contributions to our understanding of quasicrystals. Over the past two decades he has enlarged his interest to include archaeometallurgy. A theme is the link between modern science and ancient metals with emphasis on highly alloyed ultra high carbon wootz and ultra high tin bronzes. He was the co-chairperson for BUMA VII and is a member of the International Standing Committee for BUMA. His book coauthored with Sharada Srinivasan on India's Legendary Wootz Steel is much acclaimed. He is a member of the National Commission on the History of Science of the Indian National Science Academy and the Committee to explore Ancient literature and Science set up by the Ministry of Culture, Government of India. He is the core investigator for the UKIERI Project between Exeter University and NIAS, a landmark investigation on pioneering iron metallurgy in southern India.

joined NIAS on 2nd July 2004

most significant research contribution Pioneered the study on the societal implications of nanotechnology, and development of an atlas of Indian science



Malavika Kapur
PhD (Bangalore University)
Visiting Professor

malavikakapur@yahoo.co.in

Dr. Malavika Kapur was the Professor and Head of the Department of Clinical Psychology at the National Institute of Mental Health and Neurosciences, Bangalore. She has a Ph.D. in Clinical Psychology from Bangalore University and has eight books and over 100 publications to her credit. She is a Fellow of the British Psychological Society, the Indian Association of Clinical Psychologists, the Indian Association of Child and Adolescent Mental Health and the National Academy of Psychology. She has been a consultant for organizations such as the WHO, UGC, NCERT, NIPCCD, ICMR and ICSSR. She has been twice awarded the scholar in residency at the Study and Conference centre, at Bellagio in Italy, by the Rockefeller Foundation. Her areas of interest are Developmental Psychology, Community Mental Health Programmes for Children and Adolescents in Urban and Rural Schools, and Development of Assessment Tools and Intervention Packages for Children and Adolescents in the Indian Context. Her main contribution is her work of developing integrated models of mental health service delivery for children and adolescents. Her work is embedded in the cultural context as revealed in her Study of Child Care in Ancient India based on Ayurveda. Her other interests are fiction writing and trekking in the foothills of the Himalayas.

joined NIAS on 1st May 2003



S Settar
PhD (Karnatak, India), PhD (Cambridge, England)
Visiting Professor

settar@nias.iisc.ernet.in

Dr S Settar has been conducting research in the fields of Indian archaeology, art-history, history of religions and philosophy as well as classical literature during the last four decades. Works under his personal authorship comprise four volumes on history of art, two on religion and philosophy, one on human civilisation and four on historiography. He has been Professor of History and Archaeology (1970-96), Director of the Institute of Indian Art History (1978-96) at Karnatak University, Dharwad, and Chairman, Indian Council of Historical Research, New Delhi, (1996-1999).

joined NIAS on 5th August 2002

most significant research contribution Efforts to bridge the widening gap between linguistic and regional differences of community and culture.



BV Sreekantan
PhD (TIFR, Mumbai)
Visiting Professor

bvsreekantan@gmail.com

Dr Sreekantan is currently Visiting Professor at this Institute and also Chairman, Gandhi Centre of Science and Human Values of the Bharatiya Vidya Bhavan, Bangalore. He was Dr Radhakrishnan Visiting Professor in 1992. He was the Director of the Tata Institute of Fundamental Research during 1975-87 and the Indian National Science Academy Srinivasa Ramanujan Professor during 1987-92. He has specialised in cosmic rays, high-energy physics and high-energy astronomies and has published over 200 research papers. He has received a number of professional awards including the RD Birla Award of the Indian Physics Association and the Padma Bhushan. He has held a number of Visiting positions including in the US and Japan. After moving to NIAS, Prof Sreekantan shifted his interests from pure science to studies on scientific and philosophical studies on consciousness and exploration of commonalities and similarities in holistic approaches in modern science and ancient philosophies. Through two seminars organized by him at NIAS, the historical epistemological, mathematical, experimental and technological factors that laid the foundations of sciences and led to the growth of modern science over the last few decades were analyzed and these have been incorporated in a volume that is under publication by ICPR.

joined NIAS on 6th August 1992



Rajesh Kasturirangan
PhD (MIT, USA)
Associate Professor

rkasturi@nias.iisc.ernet.in

Dr Rajesh Kasturirangan's research interests are in cognitive science and philosophy of mind. His current work relates to applying a combination of philosophical argument, mathematical techniques and empirical observations to classical problems in cognitive science and the philosophy of mind such as the semantics of natural languages, the epistemology of beliefs and the structure of intentionality and consciousness.

joined NIAS on 1st May 2006

most significant research contribution Developed a computational theory of how language and concepts are grounded in the world.



Sharada Srinivasan

PhD (University College, London)
Associate Professor

sharasri@gmail.com; sharada@nias.iisc.ernet.in

Dr Sharada Srinivasan has research interests ranging from archaeological science, metallurgy and materials characterisations of ancient artifacts and the implications for history of arts and crafts to performing arts. She is an acclaimed Bharata Natyam dancer. She has a PhD in archaeometallurgy from University College, London; MA from SOAS, London and BTech in engineering physics from IIT, Mumbai. She is a Fellow of the Royal Asiatic Society, and her awards include the Indian Institute of Metals Certificate of Excellence (2007), Materials Research Society of India Medal (2006), Malti Nagar Ethnoarchaeology Award (2005), Materials Research Society Graduate Student Award, USA, (1997), the Flinders Petrie Prize and Medal, London University (1989) and also the Homi Bhabha Fellowship (1996-8) and the Forbes Smithsonian Research Associateship (1999).

joined NIAS on 10th June 2001

most significant research contribution Explored the inter-relationships between art, metals and materials heritage, archaeology, aesthetics, science and technology, and performing arts.



MG Narasimhan

PhD (IISc, Bangalore)
Dy. Programme Coordinator

narasimhanmarehalli@yahoo.com; narasim@nias.iisc.ernet.in

Dr MG Narasimhan is presently working as Deputy Programme Coordinator and in that capacity has been coordinating various programmes sponsored by the Department of Science and Technology, Government of India. Prior to this he was an Associate Professor in the School of Humanities of which he continues to be a part. In addition to the present assignment he works in the field of History and Philosophy of Biology with special focus on studying the theoretical and applied aspects of Evolutionary Biology. He received his doctoral degree from Indian Institute of Science, Bangalore and was awarded the Martin Foster medal for the best thesis in the year 1994-95. Currently he has initiated work in areas related to study of Risk.

joined NIAS on 2nd January 1998

most significant research contribution Initiated and pioneered studies in Scientific Controversy and History and Philosophy of Biology in the country for the first time in the country.



Smriti Haricharan
PhD (Anna University)
Postdoctoral Associate

smriti.march.forth@gmail.com

Dr Smriti Haricharan's doctoral dissertation work focused on understanding the spatial and temporal patterns of megalithic burials, specifically at Siruthavoor, Tamilnadu. She has been working as a Post Doctoral Associate at NIAS since June 2010 during which time she has had the opportunity to be an integral part of a large-scale 'pioneering metallurgy' project funded by the UK India Education and Research Initiative (UKIERI), the lead investigators for which are Dr Sharada Srinivasan, Associate Professor, NIAS, Dr Gill Juleff, Senior Lecturer, Department of Archaeology, University of Exeter, and Prof Ranganathan S, Professor, NIAS. This project is aimed at understanding the history of iron production, in northern Andhra Pradesh, India.

Another interest that she has been developing recently is with respect to the issues around removal of antiquities from archaeological sites and the need for increase in public outreach of Indian archaeology. In a collaborative effort with Exeter University, UK, she has drafted a proposal to work on documentation and in situ collection of information from antiquities found in an archaeological context. In connection to this proposal she has been awarded the UK visiting fellowship, Nehru Trust for the Indian Collections at the Victoria & Albert Museum, to research the viability of adapting the UK model of Portable Antiquities Scheme (PAS) to the Indian context. Her Master's degree was in Experimental Archaeology at Exeter University, wherein the coursework included understanding the role of public archaeology to communicate with a wider, nonacademic audience. While she has been focusing on academic research, it is her strong conviction that there is a need to reach out to the public.

joined NIAS on 1st June 2010

most significant research contribution Her main research interest is in the area of megalithic Iron Age burials of Tamilnadu, with specific interest in using geoarchaeological techniques.



Dilip R Ahuja
PhD (Virginia, USA)
ISRO Professor of Science and Technology Policy & Dean (Academic Affairs)

dahuja@nias.iisc.ernet.in, drahuja@gmail.com

Dr Dilip R Ahuja is the ISRO Professor of Science and Technology Policy and Dean (Academic Affairs). He has contributed to three Reports of the Inter Governmental Panel on Climate Change. In 2007-08, he was a Senior Policy Advisor to the Global Leadership for Climate Action at the UN Foundation in Washington, DC. He was a Special Advisor to the Inter Academy Council's study titled *Lighting the Way: Toward a Sustainable Energy Future*. Earlier, Dr Ahuja worked as a Senior Environmental Specialist at the Global Environment Facility Secretariat in Washington, DC. He has carried out research at USEPA, TERI, and the Harvard School of Public Health. He obtained a PhD from the University of Virginia at Charlottesville and a B.Tech. in Electrical Engineering from IIT, Bombay. His research has included estimating global warming potentials of greenhouse gases, energy savings from plausible changes in Indian Standard Time, emission factors from small-scale biomass burning and national inventories of greenhouse gases.

joined NIAS on 13th December 1999

most significant research contribution Proposed with his collaborators, most recently, advancing Indian Standard Time by half an hour. A recent publication estimates the energy savings and other benefits to be obtained from such a shift.



PK Shetty
PhD (IARI, New Delhi)
Professor

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Prof PK Shetty is Professor and former Dean of School of Natural Sciences and Engineering. He has worked mainly in the areas of Agro-ecology, Biosecurity, Energy and Sustainability, Environmental Stewardship and Science and Technology Policy Studies. He has co-edited three books, contributed a large numbers of book chapters and published several highly cited research papers in peer reviewed internationally reputed journals, and also contributed numerous reports and articles. He has successfully completed nine research projects of societal significance both at regional and national levels. He is a member of many committees, associations and editorial boards of both scientific and government concerns. He has visited a number of countries as part of his professional work. He was Vice-President of the Society of Pesticide Science, India. He has received several awards including the Karnataka State Rajyothsava Award (2007). Prof Shetty was an Independent Director, Power Grid Corporation of India Limited (A Government of India Enterprise). For further info see his website www.pkshetty.org

joined NIAS on 6th August 1992

most significant research contribution Studies on the societal significance in agriculture and environmental stewardship particularly ecological, social and economic implications of pesticide use; crop protection stewardship practices, agrarian distress, bioremediation, phytoremediation, agro-biodiversity, agro-climatology, plant biosecurity; and also initiation of programmes for the popularisation of science



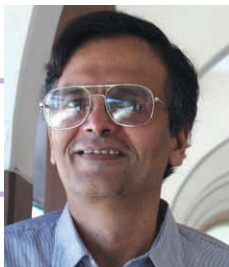
Anindya Sinha
PhD (TIFR, Mumbai)
Professor

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Dr Anindya Sinha's wide-ranging research interests are in the areas of behavioural ecology and cognitive psychology of primates, animal molecular genetics, evolutionary biology, conservation biology and the philosophy of biology. He has a master's degree in botany, a doctorate in molecular biology, and has earlier worked on the biochemical genetics of yeast, the social biology of wasps, and the classical genetics of human disease. He is also interested in biology education and popularisation of science, and has lectured extensively in a variety of educational and research institutions.

joined NIAS on 15th November 1996

most significant research contribution Was responsible for the discovery of a new species of primate, the Arunachal macaque, in northeastern India although principal contributions have been in understanding the structure and evolution of the primate mind.



Prabhakar G Vaidya
PhD (Southampton, UK)
Professor

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Dr Prabhakar Vaidya is currently a Professor of mathematical modelling. He got his BE from University of Bombay and MSc (Engg) and PhD (Acoustics) from the Institute of Sound and Vibrations Research, University of Southampton. He has worked at Lockheed, Boeing and NASA and taught at Purdue and Washington State University for many years before returning to India. His research publications range from Sonic Booms to Pathogenesis. His work at NIAS involves applications of advanced mathematics to diverse problems. Recent papers with this theme are in the areas of chaotic synchronisation and cryptography, speaker identification, advanced image processing and cardio-physics.

joined NIAS on 8th July 1999

most significant research contribution Breaking of a method in cryptography based on chaotic synchronization, multiplexing of several chaotic signals, formulation of chaotons which simulate certain quantum behaviour, explanation of how R-R variability leads to synchronisation of cardiac cells.



S Chandrashekar

BTech (IIT, Madras), PGDM (IIM, Calcutta)
JRD Tata Visiting Professor

schandra@nias.iisc.ernet.in

Prof S Chandrashekar is currently a Professor in the Corporate Strategy and Policy Area at the Indian Institute of Management Bangalore (IIMB). Prior to his joining IIMB he spent more than 20 years working at the Indian Space Research Organisation (ISRO). His work at ISRO covered all parts of the programme - satellite, rockets as well as the applications of space technology especially remote sensing. He was also involved with activities related to international co-operation and has represented and led Indian delegations to the United Nations Committee on the Peaceful Uses of Outer Space. His research interests at IIMB include technology and competitive advantage, national technology priorities and national technology policy, studies on innovation, telecommunications in the Indian context, national innovation systems, modelling complex systems and national security issues. His recent work includes a study of sensitive installations using open source satellite imagery. He has also been involved with other members of the group on a micro-level comparative case study of Chinese capabilities in one domain of technology related to the development of turbo-fan aircraft engine technology.

joined NIAS on 2nd July 2004

most significant research contribution Analysis of technical and organisational aspects of China's missile capability; assessment of Pakistan missiles; and assessing the Indo-US Civil nuclear deal.



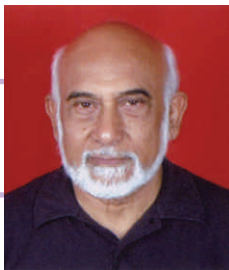
S Gopal

MSc (Madras University)
Sir Ashutosh Mukherjee Visiting Professor

muthason@gmail.com

Prof S Gopal has been with the Govt. of India for more than three and a half decades during which he had wide experience in analysis of national and international security and strategic affairs. After retirement he was instrumental, along with some other colleagues, in starting a think tank - Institute of Contemporary Studies Bangalore. The Institute had started a quarterly called Contemporary Analyst in which S Gopal has been a regular contributor. One of the important papers has been on CTBT entitled India and the CTBT. He is a member of the Asia Centre Bangalore where he had presented a paper an assessment on Pakistan's security Scenario. In a seminar on Naxalism organized by the Observer Research Foundation Chennai he presented a paper on "The Naxalite Movement – Impact of External Networking ". In a Seminar on Srilanka, recently organized by Indian Centre for South Asian Studies and Centre for Asia Studies, a paper on Role of the Janata Vimukti Peramuna in Srilankan politics with particular reference to the Ethnic question was presented. S Gopal has also wide experience in technical and imagery intelligence analysis.

joined NIAS on 1st May 2010



DP Sen Gupta
PhD (Liverpool University)
Visiting Professor

sengupta.dp@gmail.com

An Honours graduate in Physics from Calcutta Presidency College and in Electrical Engineering from I.I.T, Kharagpur, Sen Gupta took his PhD from Liverpool University where he taught for five years before he joined the Indian Institute of Science (IISc), Bangalore and carried out teaching and research for about three decades. He received awards for teaching excellence at both Liverpool University and IISc where he was awarded a special chair for Energy Studies. He had research links with a number of British Universities, particularly with the University of Liverpool and Cavendish Laboratory, Cambridge, and the University of Illinois, Urbana Champaign. An Emeritus Fellow at the IISc he is presently a Visiting Professor at NIAS, Bangalore. He has co-authored books published by Butterworths, McMillan, Alpha International, London and recently by IISc Press and World Scientific. He has published a number of books for children.

joined NIAS on 1st October 2009



Saurabh Kumar
Visiting Professor

saurabhkumar1610@gmail.com

Ambassador Saurabh Kumar retired from the Indian Foreign Service as Ambassador of India to the International Atomic Energy Agency, United Nations Industrial Development Organisation & the UN Offices in Vienna (Outer Space Affairs, Drugs and Crime) and to Austria. Prior to this, he served as Ambassador to Ireland and Vietnam. His areas of specialisation during his tenure in the Government of India were nuclear, as well as disarmament and international security, issues. He was a member of the Indian delegation to the Third Special Session of the UN General Assembly on Disarmament in 1988 and to the UN Conference on the Relationship between Disarmament and Development in 1987. Ambassador Saurabh Kumar speaks Chinese, having begun his diplomatic career in Beijing. Apart from continuing professional interest in China (and nuclear, space & other strategic security issues and multilateral international affairs in general), his current academic interests include development economics and international economic relations, physics and psychology. A Gold Medalist from Delhi University, Ambassador Saurabh Kumar taught (physics) at Ramjas College, University of Delhi prior to joining the Indian Foreign Service in 1973. He was a doctoral candidate (Fellows Programme in Management) in the Economics Area of the Indian Institute of Management, Ahmedabad during 1981-84, on leave from the IFS.

joined NIAS on 26th August 2010



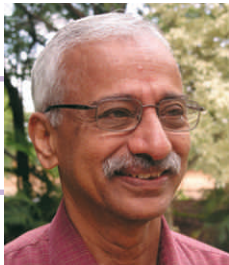
Rajaram Nagappa
BSc DMIT (MIT, Chennai)
Programme Head & Visiting Professor

r.nagappa@gmail.com

Prof Rajaram Nagappa has specialised in aerospace propulsion and has worked extensively in the design and development of solid propellant rockets. His interests are in missile technology and space weaponisation. He has served in the Vikram Sarabhai Space Centre, ISRO as its Associate Director, and later was Pandalai Memorial Chair Professor at Anna University, Chennai. He has also taught at Technion-Israel Institute of Technology, Israel. He is a recipient of the Astronautical Society of India Award, Distinguished Alumnus Award of the Madras Institute of Technology, DRDO's Agni Award for Excellence in Self Reliance, Certificate of Appreciation of the International Astronautical Federation and the Honorary Fellowship of the High Energy Materials Society of India. His recent work includes an assessment of the Pakistani cruise missiles and an assessment of the Iranian satellite launch vehicle Safir. He has also traced the development of fighter aircraft in China as a part of a study on China's Science & Technology capability.

joined NIAS on 1st February 2007

most significant research contribution Analysis of Pakistan's ballistic missile production capacity.



N Ramani
PhD (IISc, Bangalore)
Visiting Professor

narayan.ramani@gmail.com

Dr N Ramani worked at the ISRO Satellite Centre in the areas of software development for spacecraft mission operations and in the establishment and management of the central computing facility. Led the activities relating to the design, development, testing and implementation of software for real time health monitoring and control of satellites. Pioneered the transition from main frame world of Fortran and assembler codes to distributed computing based on off-the-shelf systems with the best of breed Engineering Application Software packages. Worked on computer related issues that have over all impact on the organization; such as information security, software reliability, man power attrition, open source, Y2K and HPC. With Prof R Narasimha, carried out the Indian Airlines AVRO HS748 fleet performance simulation for airworthiness assessment for the National Committee headed by Prof S Dhawan. Worked on several Government committees that enabled the computerization plans of ADA, CDBT, EPFO, IMD/MES and SBI. Awards: Distinguished Aero-Alumnus of the Department of Aerospace Engineering of the Indian Institute of Science (1992) and Astronautical Society of India AWARD (1999).

He has recently completed and validated a 3-D missile trajectory programme, which can provide the path of the missile from any launch location to any target. He has also carried out an analysis of the US Permissive Action Link system used to protect US nuclear weapons. Based on this he has conceptualized a scheme on how Pakistan could have implemented a system to protect its nuclear weapons from accidental or unauthorized use.

joined NIAS on 1st November 2007



Lalitha Sundaresan

PhD (Indian Statistical Institute, Kolkata)
Visiting Professor

sundaresan.lalitha@gmail.com

Dr Lalitha Sundaresan has a doctorate from the Indian Statistical Institute, Kolkata where her work was on digital processing of multi-satellite data. She was a scientist at the Indian Space Research Organization where she carried out studies to evaluate the usefulness of satellite remote sensing for monitoring natural resources, and natural disasters with special reference to India. She worked as a Principal Scientific Officer at the Department of Science and Technology, India. While at DST, she was involved with the setting up of Natural Resources Data Base centers in the districts of Karnataka. Together with IIT, Bombay, she was also involved in the development of the indigenous Geographical Information Software (GIS). Coordinated training programs given by DST on the use of NRDMS and GIS for development planning. Lalitha has also taught Mathematics and Statistics at secondary and tertiary levels.

Her recent works include the analysis of measurement errors in missile images obtained from open sources and the resulting impact of these errors on missile performance. She has also studied the Chinese university / research institution network and collaboration on superalloys, as a critical part of the micro-level case study of Chinese capabilities in turbofan engine technology.

joined NIAS on 14th May 2008



Sindhu Radhakrishna

PhD (Mysore University)
Associate Professor

sindhu@nias.iisc.ernet.in

Dr Sindhu Radhakrishna holds a master's degree in psychology and a doctorate in animal behaviour. Her research interests are in the fields of primatology, behavioral ecology and conservation biology, and her work has focused on gaining a better understanding of social behaviour and communication in nocturnal primates. She was awarded the INSA Young Scientist's Award in recognition of the significance of her doctoral research on the behavioural ecology of the Slender loris, a nocturnal primate found in southern India.

joined NIAS on 1st September 2002

most significant research contribution Study on non-human primates contributing to significant understanding of human sociality.



Manabrata Guha
PhD (University of Lancaster, UK)
Assistant Professor

mguha@nias.iisc.ernet.in

Dr Guha's research interests include the philosophy of war, the history and evolution of military theory, and future warfare "concepts" of operations. His current work includes the re-theorization of war and combat based on counter-tactical and counter-strategic concepts of operations.

joined NIAS on 18th December 2009



M Mayivaganan
PhD (Jawaharlal Nehru University, New Delhi)
Assistant Professor

mumayil@yahoo.com

Dr M Mayilvaganan is an Assistant Professor in International Strategic and Security Studies programme at NIAS. He earned a doctorate degree in International Studies from Jawaharlal Nehru University, New Delhi, India. Prior to joining NIAS, he was a Senior Lecturer at Department of International and Strategic Studies, University of Malaya, based at Kuala Lumpur, Malaysia where he taught South Asia in International Relations, Modern Warfare and International Politics. His past positions include Associate Fellow at Institute for Defence Studies and Analyses (IDSA), New Delhi (2006-2009) specializing Sri Lanka in particular and South Asia in general; Research Assistant in the Regional Centre for Strategic Studies (Colombo) project "Terrorism in India" at South Asian Studies, Jawaharlal Nehru University, New Delhi (2003-2004); Research Associate in the Institute of Peace and Conflict Studies (IPCS), New Delhi (Jan-Dec. 2003), specialized on Kashmir issues. His research interests include strategic and security issues of South Asia, China, US and Japan. He has published several articles and commentaries on a variety of topics related to South Asia. He has also participated in various international and national seminars and given lectures at various institutes, besides appearing for various print and visual media interviews.

joined NIAS on 2nd November 2010



Nabeel A Mancheri
PhD (Jawaharlal Nehru University)
Postdoctoral Associate

nabeelmnc@gmail.com

Dr Nabeel Mancheri is an economist by training with specialisation in India's economic relations with East Asia. His research interests are in international economics, international political economy, trade and trade policies and strategic economics. He is currently involved in a study on rare earth elements and a micro level study on permanent magnets. Previously, he has been associated with OECD Paris, ICRIER New Delhi and CUTS International on research related to trade issues.

joined NIAS on 15th November 2010

most significant research contribution CGE analysis of India's FTAs and assessment of Chinese strategy on rare earth elements



Narendar Pani
PhD (ISEC, Bangalore)
Professor

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Dr Narendar Pani is an economist by training, he has, over the last thirty years, written extensively on a variety of subjects. He is the author of *Inclusive Economics: Gandhian Method and Contemporary Policy*, *Redefining Conservatism: An Essay on the Bias of India's Economic Reform*, and *Reforms to Pre-empt Change: Land Legislation in Karnataka*. He has published a number of academic articles in India and abroad. He is also the author of an explainer on the WTO, two novels, a booklet on theatre and several hundred articles on the editorial pages of newspapers.

joined NIAS on 9th April 2007

most significant research contribution Reformulated the Gandhian method to make it an effective tool to understand contemporary policy making.



Carol Upadhy
PhD (Yale University, USA)
Professor

carol.upadhy@gmail.com, carol@nias.iisc.ernet.in

Prof Carol Upadhy is a social anthropologist. Her research interests include economic development and social transformation in India; transnationalism and globalisation; economic anthropology and the anthropology of work; and the history and politics of anthropology. She has published extensively on the sociology of the Indian software industry, transnationalism, and the Indian middle class; land rights in Jharkhand; the history of anthropology in India; and agrarian development and social change in coastal Andhra Pradesh. She is co-editor (with A.R. Vasavi) of *In an Outpost of the Global Economy: Work and Workers in India's Information Technology Industry* (Routledge, New Delhi, 2008), and (with Mario Rutten) *Small Business Entrepreneurs in Asia and Europe*. Prof Upadhy is Anchor of the NIAS Urban Research and Policy Programme, and Co-Director of the research programme 'Provincial Globalisation: The Impact of Reverse Transnational Flows in India's Regional Towns'. Before joining NIAS she taught sociology at SNDT Women's University in Mumbai.

joined NIAS on 1st September 2003

most significant research contribution Contributed new theoretical insights and ethnographic data to the anthropology of globalisation and work through research on Bangalore's software industry.



SS Meenakshisundaram
PhD (JMINU, New Delhi)
Visiting Professor

meenakshi54@hotmail.com

Dr. S. S. Meenakshisundaram is a Post Graduate in Mathematics from Loyola College, Madras and holds a Ph.D. in Development Economics from Jamia Milia Islamia National University, New Delhi. He joined the Karnataka cadre of the Indian Administrative Service in 1968. During his career he had held a number of assignments including Secretary, Rural Development and Panchayati Raj department when Karnataka launched its new system of panchayatiraj institutions. He was a Visiting Fellow at the Institute of Development Studies at the University of Sussex, United Kingdom for one year. Besides several articles and papers on Panchayatiraj and Rural Development, he has also published a book on "Decentralization in Developing Countries" with special reference to Nigeria, China and India during 1994. After working as Principal Secretary to the Chief Minister of Karnataka and Joint Secretary to three Prime Ministers of India, he also served as Adviser in the Planning Commission and Secretary in the ministry of Rural Development. He was also the Dy. Chairman of the State Planning Board when Karnataka was under the President's Rule. Currently he is the Executive vice Chairman of MYR ADA, a voluntary organization in the field of building people's institutions for development and a Visiting Professor at Institute of Social and Economic Change, Bangalore. His research interests include rural development, poverty alleviation, voluntary action and decentralized governance.



Anitha Kurup
PhD (ISEC, Bangalore)
Associate Professor

akurup@ucdavis.edu, bkanitha@gmail.com

Dr Anitha Kurup is currently leading the National Gifted Education Program in India anchored at NIAS. Her research interests span the broad disciplines of education and gender. Her recent publications "Trained Scientific Women Power: How much are we Losing and Why?" <http://www.nias.res.in/docs/bkanitha-surveyreport.pdf> and "Trends Report: Creation and Anaysis of Database of PhDs in India (1998-2007)" <http://www.nias.res.in/docs/bkanitha-trendsreport.pdf> has been widely appreciated. Her doctoral work on quality of primary education in rural India is one of the earliest often cited work on grounded research in class room processes and school–community relationship in rural India. Dr Anitha's expertise in the area of gender covers a wide spectrum, from examining conceptual and methodological strands of gender relations to political participation and decentralised governance as well as understanding violence against women in rural areas. She has several publications to her credit. Dr Anitha is awarded the Fulbright Nehru Senior Research Fellowship for the year 2011-2012 and is hosted at the University of California, Davis.

joined NIAS on 2nd January 1995

most significant research contribution Contributed to the understanding of women's status adopting the framework of access to and control over resources.



Chidambaran G Iyer
PhD (IGIDR, Mumbai)
Assistant Professor

chidambaran.iyer@gmail.com

Dr Chidambaran Iyer's research interests cover policy oriented issues in Industrial Economics. He has worked on a Computable General Equilibrium model for the Indian Economy for a Planning Commission Project. His report on the Indian Organic chemical industry for a private firm details the market for seven organic chemicals in India. In a project with Infrastructure Development Finance Company Limited, he has also worked in the construction of Infrastructure index for India. Recently he has also worked on household demand functions using consumption data from various National Sample Survey rounds. Dr Chidambaran Iyer has obtained his PhD in Development Studies from the Indira Gandhi Institute of Development Research, Mumbai.

He has also worked in the Indian Chemical Industry for a period of four years after completing his B.Tech. in Chemical Engineering from Dr Babasaheb Ambedkar Technological University, Lonere, Maharashtra.

joined NIAS on 7th June 2010

most significant research contribution Co-author of the NIAS report "Evaluation of the Impact of Processes in the Mahatma Gandhi National Rural Employment Guarantee Scheme in Karnataka", a study conducted for the Planning, Programme Monitoring and Statistics Department, Government of Karnataka.



M Amarjeet Singh
PhD (NEHU, Shillong)
Assistant Professor

amarjeetdelhi@gmail.com

A student of sociology by training, Singh's research interests includes conflict studies, identity movement, development and displacement, and migration studies. Prior to joining NIAS, he has worked at Institute for Defence Studies and Analyses, New Delhi.

joined NIAS on 1st October 2009

most significant research contribution Study on territoriality.



Shivali Tukdeo
PhD (University of Illinois at Urbana Champaign)
Assistant Professor

tukdeo@gmail.com

Her research focuses on education policy; critical social and political theory; globalization; and technology and education. She is currently working on a book manuscript tentatively titled '*India Goes to School: Education Policy and the Politics of Diasporic Action*'; Her other projects include: (a) Education among the Adivasis: A Perspective Paper (with A.R. Vasavi) (b) Engaging with Right to Education (RTE): Teachers, Administrators and Parents.

joined NIAS on 15th March 2010



Ritajyoti Bandyopadhyay
PhD (Jadavpur University, Kolkata)
Postdoctoral Associate

ritajyoti@gmail.com

Dr Rita Bandyopadhyay has navigated a diverse ideoscape comprising Marxist History, Subaltern Studies, History of the Present and Urban Geography to arrive at his current abode in Urban Research and Policy Programme at NIAS, Bangalore. Before joining NIAS, he studied history, sociology and urban theory in Jadavpur University, India, Centre for Studies in Social Sciences, Calcutta, India, El Colegio de Mexico, Mexico City, Mexico and University of California, Berkeley, USA.

joined NIAS on 2nd November 2010



N Shantha Mohan
PhD (ISEC, Bangalore)
Research Scientist

shantham@nias.iisc.ernet.in

Dr Shantha Mohan is an educationist with specialisation in the area of economics of education. Over the past twenty-five years she has been engaged in conducting research from a gender perspective on issues related to governance, violence against women, water and literacy. Her interests also include developing new methodologies and models for intervention and policy advocacy. She has been the recipient of the Shastri Indo-Canadian Women in Development Fellowship and The National Council for Research on Women Award, USA. She has published several books, articles and papers. She has coordinated the baseline study on 'Women and Political Participation in India' to facilitate the Fulfillment of State Obligation to Women's Equality

joined NIAS on 3rd November 1997

most significant research contribution Evolved parameters for engendering governance in Panchayati Raj institutions in Karnataka.



PROGRAMMES

Biosecurity

Biosecurity research aims to bring about the right practices evolved through scientific approaches for biosecurity. It also focuses on the stewardship in implementing the security options keeping in view of India's changing socio cultural setup as well as the lacunae in the system in order to support regulatory and policy decisions. The main objectives of the research include biosecurity and society, biosecurity and economy, legal and regulatory aspects of biosecurity and the science of practicing biosecurity.

Contact : PK Shetty

Cognition

The Cognition Programme is based on the assumption that cognition and other mental phenomena are central to the functioning of all living beings. To put it another way, the fundamental principles governing cognition run from single cells to human societies. Further, we believe cognition should be studied comprehensively as opposed to bits and pieces (which is the usual scientific approach), with the larger view of life on the one hand and classical problems in the social sciences and the humanities on the other. Such a birds'-eye view of cognition inherently calls for an interdisciplinary approach, with crucial inputs from biology, philosophy, mathematics and cognitive science. The main projects that will constitute the research of the cognition programme over the next five years are: Fundamental Concepts in Cognition, Mathematical Modelling, Cross-species Cognition and Cognitive Approaches to the Social Sciences.

Contact : Rajesh Kasturirangan



Conflict Resolution

The Conflict Resolution Programme was set up at NIAS in 2009 to address any knowledge deficit that may exist in the efforts to address conflicts that have had an effect on India or have the potential to do so. While the choice of conflicts to analyse is influenced by their effects on the country, the conflicts themselves may occur on the local, national or even international stage. The knowledge deficits are addressed both at the level of original research as well as in terms of dissemination of what is known about particular conflicts to those who are affected by them or are in a position to influence their course. The original research aims at generating empirical evidence of conflicts as well as the conceptualization that this evidence may demand. This approach has helped the programme develop alternative approaches to specific conflicts, like the one on sharing Cauvery waters, as well fresh conceptualization of conflict-laden issues like reservations. At the core of the dissemination process is the series of 'Backgrounders on Conflict' which aim to provide an authentic and yet accessible account of major conflicts. These backgrounders – the first in the series being one on Manipur – are expected to provide a useful first information report to those, like young bureaucrats or journalists, who require an overview of a specific conflict at short notice. The programme hopes, over time, to emerge as a respected source of information, analysis and insights into conflicts that are of interest to India. At that point it would be in a position to offer a course on this important area.

Contact: **Narendar Pani**

Consciousness

The interest in consciousness studies, at NIAS, commenced with two eminent scholars joining NIAS in the early nineties – RL Kapur, a psychiatrist retired from NIMHANS; and BV Sreekantan, a physicist and former Director of Tata Institute of Fundamental Research. They

spearheaded a wide range of activities centered on topics and disciplines concerning philosophy of science, and, consciousness such as mental health, creativity, quantum mechanics, Indian philosophy and neuropsychiatry. Subsequently, Sangeetha Menon and Anindya Sinha joined NIAS and started their work on consciousness and animal cognition. Since the very first conference in 1998, NIAS Consciousness Programme has organised two national and two international conferences and published four books. The Programme will be organizing another major international conference on multidisciplinary approaches to consciousness in 2012. The current research focus of the Programme includes neurophysics, animal cognition and self. A study on the foundations of self in neuropsychiatric narratives with specific focus on emotions is also ongoing with support from the Indian Council of Philosophical Research.

Contact: **Sangeetha Menon**

Ecology, Behaviour and Conservation

The Ecology, Behaviour and Conservation Programme has been largely exploring the ecology, behaviour, cognition, genetics and conservation status of several species and populations of primates across the country. Over the last year, the principal projects it has initiated or continued include long-term studies on the demography, behavioural ecology, population genetics and conservation of two macaque species, the bonnet macaque of southern India and the Arunachal macaque of Arunachal Pradesh, a short-term study on the behavioural ecology of mixed troops of rhesus and bonnet macaques in Maharashtra, the community ecology and conservation of primates in Assam, and the ecology and conservation status of the liontailed macaque and slender loris in southern India and the slow loris in northeastern India. We have also initiated a new collaborative project on the behavioural genetics, exploring the serotonin uptake pathway, in three macaque species. Finally, the Programme has continued to explore the ecology and behaviour of several non-primate species including pygmy hogs, flying squirrels, shortwings and flying lizards!

Contact: **Anindya Sinha and Sindhu Radhakrishna**





Education Portfolio

The Education Programme at NIAS is a consolidation of work in various projects and academic activities conducted at the institute over the past decade. Drawing on a range of experiences, the EDUCATION PORTFOLIO is premised on observations that the education system in India, at all levels, is entrapped in several contradictions. On the one hand, mass elementary education remains limited with problems of access, equity and quality, while on the other hand, select specialized institutions of higher education are celebrated for the generation of creative and global talent. Even as existing institutions face a crisis in management and quality, several new, private institutions are catering to differential financial capabilities of households. The challenges are multiple: how to provide equal and quality education to all? What models and practices of education are suitable for a diverse population? How can local and national priorities be matched with the pressures of global regimes? And, what linkages must education institutions have with the social, political and economic worlds of the people? Attempting to address these challenges and drawing on NIAS's mandate of being a multi-disciplinary institute that can generate new ideas and knowledge and act as a think-tank to government and private sectors and agencies, the EDUCATION PORTFOLIO will focus on linking research with policy-making and advocacy. The research findings will be disseminated in various forms to different stakeholders using multiple strategies of publications- academic, policy documents, organization of thematic conferences, workshops, facilitating exchange of experiences of education leaders, managers, teaching professionals and students.

Contact: **Anitha Kurup** and **Shivali Tukdeo**

Heritage Science

Heritage science is an area of study which has as its aim the study of the scientific aspects of heritage within the wider parameters of the issues of the documentation, preservation and management of culture. Activities under the broad umbrella of heritage science include research in materials heritage, history of science and archaeometallurgy, ethnoarchaeology and archaeoastronomy and in conjunction with projects such as the UKIERI 'Pioneering Metallurgy' project.

Contact: **Sharada Srinivasan** and **S Ranganathan**

Interdisciplinary Economics

The programme on interdisciplinary economics is supported by the Reserve Bank of India. While much of interdisciplinary economics, as a field, concentrates on using economic concepts to understand other social science disciplines, the focus of this programme is on using concepts from other social sciences to provide a more inclusive view of economic issues. By bringing into economic analysis elements of a situation that would normally be seen to be in the domain of other social sciences, the programme hopes to capture the critical role that social, political, technological and environmental issues play in the working of the economy. The programme includes an effort to use ethnography and other methods from social anthropology to provide a richer analysis of farmers' suicides. A project has also been undertaken on the garment industry in Bangalore which uses not just economic analysis but also concepts from urban sociology to provide greater, and more inclusive, insights into the process of globalisation. A study of the Mahatma Gandhi National Rural Employment Guarantee Scheme in Karnataka analysed the working of the scheme and came up with a set of recommendations to the Government of Karnataka.

Contact: **Narendar Pani**

International Strategic & Security Studies Programme

The International Strategic & Security Studies Programme at NIAS promotes and conducts research that addresses the strategic and security concerns relevant to India. It has over the years carried out a number of studies in technology dominated areas of international security, with a special emphasis on nuclear weapons and missiles. NIAS has also facilitated exchange of knowledge and views between interested groups working around the globe on issues related to international security through meetings, conferences and invited talks. The continuing and ongoing dialogue with the Committee on International Security and Arms Control (CISAC) of the US National Academy of Sciences reflects the Programme's commitment to using knowledge to help improve understanding between countries. The major areas of interest include China, Pakistan, space weaponisation, techno-economics of nuclear power and nuclear weapons. The programme has also started work on terrorism.

Contact: **Rajaram Nagappa**

Programme on Energy and Climate Policy

The Programme on Energy and Climate Policy will be devoted to exploring energy policies that simultaneously help mitigate climate change and ease India's vexing energy problems. The Programme would focus on policy-relevant research useful for decision-making. The objective of the Programme will be to recommend policies (and help facilitate their implementation) that not only mitigate the rise in emissions of greenhouse gases but are also aligned with the complementary goals of energy security, geopolitical risk reduction, and equitable development of society. To increase the odds of successful implementation, the Programme will seek to become a forum for coordination between industry, government, researchers and civil society. The initial thrust of the Programme will be on energy savings in the power sector through loss reductions, especially in transmission and distribution.

Contact: **Dilip Ahuja and DP Sengupta**



Provincial Globalisation: The Impact of Reverse Transnational Flows in India's Regional Towns

'Provincial Globalisation' is a collaborative research programme of the Amsterdam Institute for Social Science Research, University of Amsterdam, and the National Institute of Advanced Studies, Bangalore, supported by a WOTRO Integrated Programme grant (the Netherlands). This five-year research programme, started in January 2010, will investigate processes of globalisation in provincial towns of India by tracing transnational reverse flows of resources transmitted by migrants to their home regions. These flows include economic resources such as remittances, investments and charitable donations, as well as 'social remittances' and cultural flows. The five doctoral and post-doctoral projects funded under the programme will examine the impacts of these reverse flows on social development in coastal Andhra Pradesh, central Gujarat, and coastal Karnataka, focusing on the major towns of these regions and their rural hinterlands.

Contact: **Carol Upadhy**

Urban Research and Policy

The main objective of the Urban Research and Policy Programme is 'to effect a change in people's understanding of, and attitudes towards, urban processes and issues, with a view to creating urban settlements that function well and are socially just, economically dynamic, culturally vibrant, ecologically sustainable and politically participative'. The programme carries out grounded, interdisciplinary and policy-relevant research on pressing urban issues; provides a platform for exchange of ideas among different stakeholders including government, civil society, activists, academics, and ordinary citizens; engages in advocacy and outreach; and serves as a think tank on urban problems. Current and planned research in Karnataka, Andhra Pradesh and other states focuses on urban governance and poverty, urban ecology, and urban land and commons.

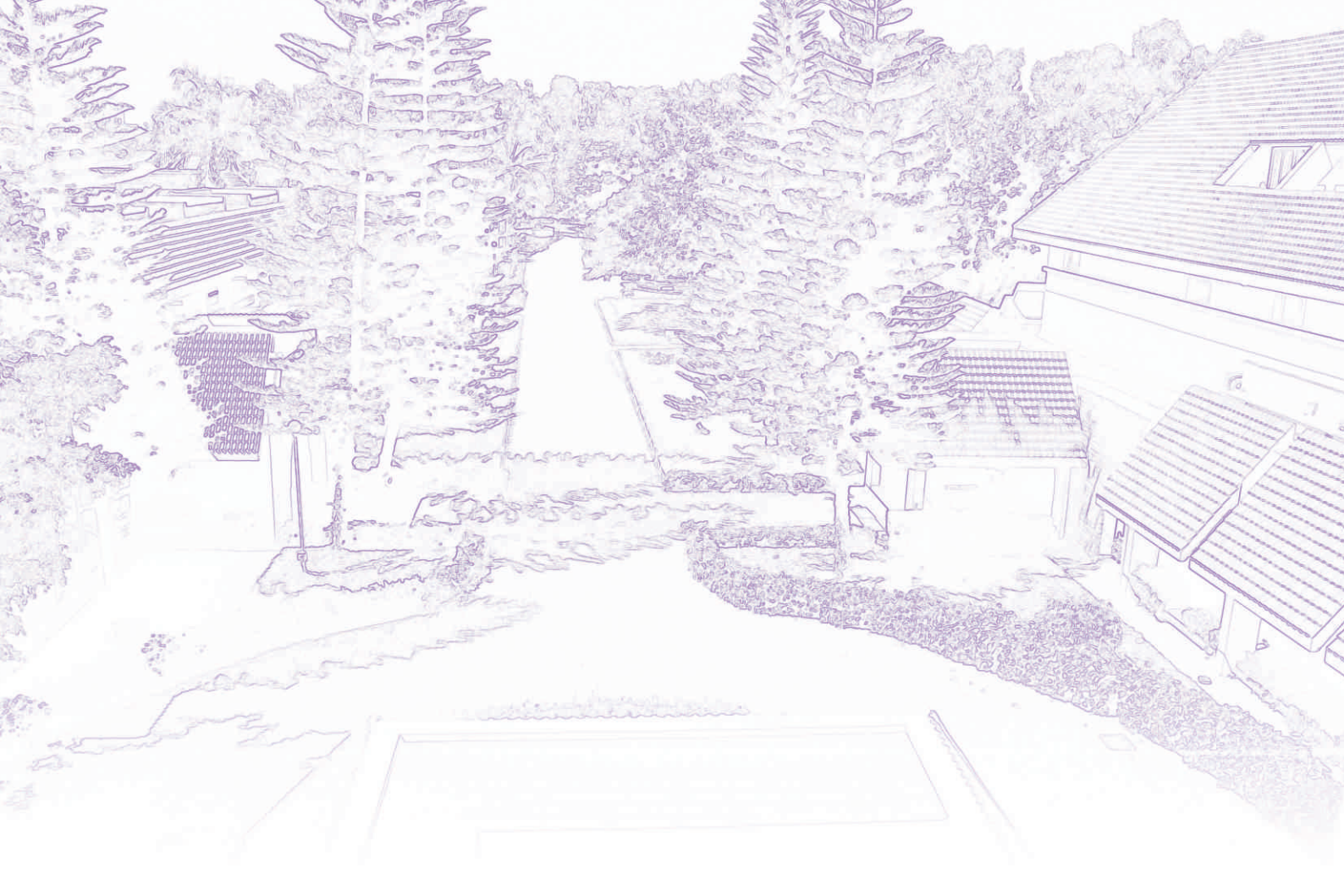
Contact: **Carol Upadhy**

Water

Water is a vital resource and is an area of both contention and conflict. These conflicts could be between villages, blocks, districts, states or countries, between rural, peri-urban and urban areas, between the rich and the disadvantaged, between various stakeholders and different sectors. Thus, the nature of these conflicts is diverse and methods adopted in addressing them are often constrained by the restrictive and dominant approach that is adopted in addressing them. It is further aggravated by the lack of objective and validated facts to facilitate rational dialogue and decision-making among the various stakeholders that could lead to acceptable solutions. It is therefore important that a multidisciplinary perspective be adopted in order to understand the complexities and the inter-connectedness of the different dimensions regarding the sector in order to meet the needs of the country. The primary objectives of the water programme include: Research for generating a data and information base and analysing them using a conceptual framework which adopts a multidisciplinary perspective; Provide platforms for sharing the results of the research and facilitate multi stakeholder dialogues to influence policy; Strengthen networks and facilitate the participation of partnerships from the local to the global (Zonal Water Partnerships, Country Water Partnerships to Global Water Partnerships and other institutions and organisations) in research, dialogue and advocacy activities.

Contact: **N Shantha Mohan**





NIAS PHD PROGRAMME



In collaboration with Manipal University and Mysore University, NIAS runs a doctoral programme in the areas in which it specialises. NIAS offers fellowships sponsored by the Department of Science and Technology and the Indian Space Research Organisation to a limited number of students pursuing PhD studies. Presently there are twenty nine full-time doctoral students specialising in various areas under the respective schools.

DOCTORAL STUDENTS



Lakshmi K

Lakshmi's areas of research are Self and Well-being, Mental Health, Counselling, Psychotherapy and Indian Psychology.

She has a M.A. and M.Phil. (Psychology) from Osmania University. Her M.Phil. thesis was on 'Self perception as a function of adjustment, social support, and academic achievement'. She also has a M.A. in Counselling from Santa Clara University, USA.

lakshmi@nias.iisc.ernet.in, 10.lakshmi@gmail.com



Rolla Das

Rolla's areas of research are Gestures, Communication, Linguistics, Pragmatics and Action.

She has a M.A. in Philosophy (Cognitive Science) from Jadavpur University and B.A. in Philosophy and Cognitive Science (Major) with credits on German Literature, Language and Civilization Studies.

rolladas@gmail.com



Hema Thakur

Hema's research interest lies in Early Historic Archaeology of Karnataka / Deccan.

She has a Master of Philosophy in History (University of Delhi). Her M.Phil. thesis has been accepted for publication by B.A.R. – British Archaeological Reports.

hema@nias.iisc.ernet.in, singhema10@yahoo.co.in



H R Meera

Meera's area of research interests are Indian Theory of Aesthetics, Indian Philosophy.

She has a M.A. in Sanskrit, KSOU, Mysore and 5th rank in B.E. Electrical and Electronics, in 1999 at BMS College, Bangalore. Also 9th rank in Carnatic Classical Music, Vocal Senior Grade Distinction.

meera.hr@gmail.com



Namitha A Kumar

Namitha's area of research interests are Urban Spaces, Disability Studies and Cultural Studies.

She has a M.A. 1st rank in English from Bangalore University. She has three gold medals for highest marks in English.

namitha29@gmail.com



Samiksha Bajpai

Samiksha's areas of research are Linguistics and Cognition.

She has a M.A. in Linguistics from Jawaharlal Nehru University and an M.Phil. in Linguistics from Annamalai University. She is currently working on Compound Verbs in Hindi.

samiksha_bajpai@yahoo.de



Naresh Keerthi

Naresh's area of research interests are Cognition, Linguistics and Behaviour.

He has a degree in M.Sc. from SRN Adarsh College, Bangalore University. He has B.Tech. degree from St. Joseph's College of Arts and Sciences, Bangalore University.

nakeerthi@gmail.com



Deepthi Rajagopalan Iyer

Deepthi is interested in exploring the concepts of Self, Other, Madness by citing examples from specific works and characters in Literature. Alternatively she is also interested to understand feminist philosophy.

She has a Master's degree in English Literature from Fergusson College, Pune and Bachelor's degree in Mass Media from Sophia College, Mumbai.

dy.iyer@gmail.com



Shatarupa Bhattacharya

Shatarupa is interested in working along the Eastern Coast of India, more specific along the Bengal, Bangladesh and Orissa Coast, and also covering part of the South East Coast in order to understand the functioning of the littoral societies and their analysis.

She has an M.Phil. from University of Hyderabad.

shatarupa26@gmail.com



Nalini N S

Nalini's area of research deals with tracing the changes in the landform using satellite images and GIS.

She has M.Tech. in Geoinformatics and Bachelor's degree in Architecture.

arnalinins@gmail.com



Shreejata Gupta

Shreejata's area of research interests are Animal Behaviour, Cognitive Ethology, Primate Cognition, Evolutionary Biology and Evolution of Language.

She has a M.Sc. in European Forestry, University of Joensuu, Finland, University of Natural Resources and Applied Life Sciences, Vienna, Austria.

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Asmitha Sengupta

Asmitha's interest research areas are Behavioural Ecology, Plant-Animal Interactions and Conservation Biology.

She has a M.Sc. degree in Forestry, Forest Research Institute, Dehradun.

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Neesha Dutt

Neesha is interested in studying the interface between human activities and the environment. Her research interest lies in urban ecology, climate change and sustainable development.

She holds a M.Sc. in Environmental Science from Tezpur University.

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Sartaj S Ghuman

Sartaj is interested in Animal Behaviour, Animal Cognition and Biosemiotics. He is intrigued by the causal patterns that exist in nature and in the behaviour of organisms, and by how organisms come equipped to discern these patterns.

He has a Master's degree in Wildlife Science from the Wildlife Institute of India, Dehradun.

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Subhankar Chakrabarty

Subhankar's area of research interests are questions focus on understanding individual behavioural patterns which are consistent across time and contexts, popularly known as personality. His study focuses on understanding personality in bonnet macaques, an endemic monkey of peninsular India - in both wild and captive condition, and would try to understand several of these potential ecological and genetic correlates.

He has a M.Sc. in Zoology from Gauhati University.

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Toby Simon

Tobby is a graduate of the Harvard Business School and a Research Affiliate at the Massachusetts Institute of Technology is currently developing a global template on Risk Management with the Center for Transportation and Logistics at MIT.

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Priyam Laxmi Borgohain

Priyam's research interests are water security, sustainability and water policy issues, trans-boundary water conflicts, inter-state sharing of water resources and controversies surrounding the construction of big dams specially in the North-Eastern region of India.

She has a M.Sc. in Environmental Science (gold medallist) from Tezpur Central University.

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Priya Gupta

Priya's research interests are understanding the link between livelihood insecurity and drivers leading to change in livelihoods of forest dependent tribal communities and the role being played by agriculture in this change.

She has a Master's degree in Natural Resources Management, TERI University.

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Geetanjali Yadav

Geetanjali's research interests are emerging and re-emerging diseases of crop plants in India and related crop and food Biosecurity issues.

She holds M.Tech. in Agricultural and Food Engineering form Indian Institute of Technology Kharagpur.

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Murali Murti

Murali's research interests are international trade, technology policy and development, and strategic analysis and management. He has over three decades of experience in the Indian software industry.

He holds a B.Tech. in Electrical Engineering from the Indian Institute of Technology, Bombay and a PGDM in Management from the Indian Institute of Management, Calcutta.

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BR Guruprasad

Guruprasad's areas of research interest include international cooperation in the domain of space, societal benefits from space as well as the history of Indian space programme.

He holds a Master's degree in Communications and Journalism.

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Jafar K

Jafar's research interest is in development issues in the Indian economy. He has special interest in globalisation and intellectual property rights issues. Jafar's Ph.D. work is broadly on understanding the process of human development, and specifically the impact of education-led growth on capabilities.

He has Bachelor's and Master's degree in Economics.

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Asha KG

Asha's research interest lies in the area of development economics.

She has Bachelor's and Master's degree in Economics.

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Sanam Roohi

Sanam Roohi's research project examines how and why these transnational migrants engage in philanthropy for development; how such resources are perceived and used by the receiving communities, families or individuals, and the local state; what ideas and practices of development are propagated through these activities; and what are the implications of such development for the existing caste and class structures in the region.

She earned a Master's degree in Political Science from University of Calcutta.

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Sulagna Mustafi

Sulagna's research project looks at the process of transnational connections build by the Muslim community of coastal Karnataka and the socio-economic changes that are affecting the local community through these transnational connections.

She has a Master's degree in International Relations from Jadavpur University.

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Maithreyi R

Maithreyi's areas of research interests are Psycho-social development in children, Education and its role in psycho-social development, and Development of resilience and Emotional well being.

She has a M.Sc. in Psychology (specialization Child Development and Guidance) from Bangalore University.

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Reva Yunus

Reva is interested in looking at how gender can be used as a tool to analyse other power structures in a society.

She has a Master's degree in Physics and in Education. She plans to study how gender is articulated within classroom discourses; and if / how dominant gender ideology is resisted in classrooms.

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Soundarya Iyer

Soundarya's research interests lie in the evolution of rural socio-economic structures.

She has a Master's degree in Molecular and Human Genetics from Banaras Hindu University and a Bachelor's degree in Life sciences and biochemistry from St. Xavier's College, University of Mumbai.

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Chetan B Singai

Chetan's research interests include education policy; globalization and education and comparative education.

He has a Master's degree in Political Science and M.Phil. in Law and Governance from Jawaharlal Nehru University. As an Erasmus Mundus Scholar (2008-2010) he has a master's in Lifelong Learning: Policy and Management.

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Other Faculty members of NIAS include

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R Narasimha

K Kasturirangan

Adjunct Faculty

Dr Solomon Benjamin

Dr Antoine Bousquet

Dr Vijay Chandru

Dr Malati Das

Vice Admiral RN Ganesh

Ambassador Arundhati Ghose

Prof Subrata Ghoshroy

Dr Kota Harinarayana

Dr Michael A Huffman

Dr S Jaikishan

Prof Bhupendra Jasani

Dr LV Krishnan

Dr HN Kumara

Dr MD Madhusudhan

Dr Kim R McConkey

Mr KR Sridhar Murthi

Dr (Mrs) Charmalie AD Nahallage

Ms Meera Natampally

Dr RR Navalgund

Dr Baldev Raj

Dr Mukund Rao

Dr Sreedevi Reddy

Prof Gautam Sen

Vice Admiral Vijay Shankar

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Ms Amita Basu

Mr Varun Bhaskar

Mr Ajay Chandra

Ms Rina E D'souza

Ms Seha Jain

Ms Parvathy Jayan

Ms G Jayashree

Mr Praveen P Johnson

Ms Nagashri

Ms Chetana B Purushotham

Mr Rajarishi Sengupta

Mr Nishant Seth

Ms K Sheela

Ms Shruthi Shivabasavaiah

Mr Arun Viswanathan



Discussion over a cup of tea...



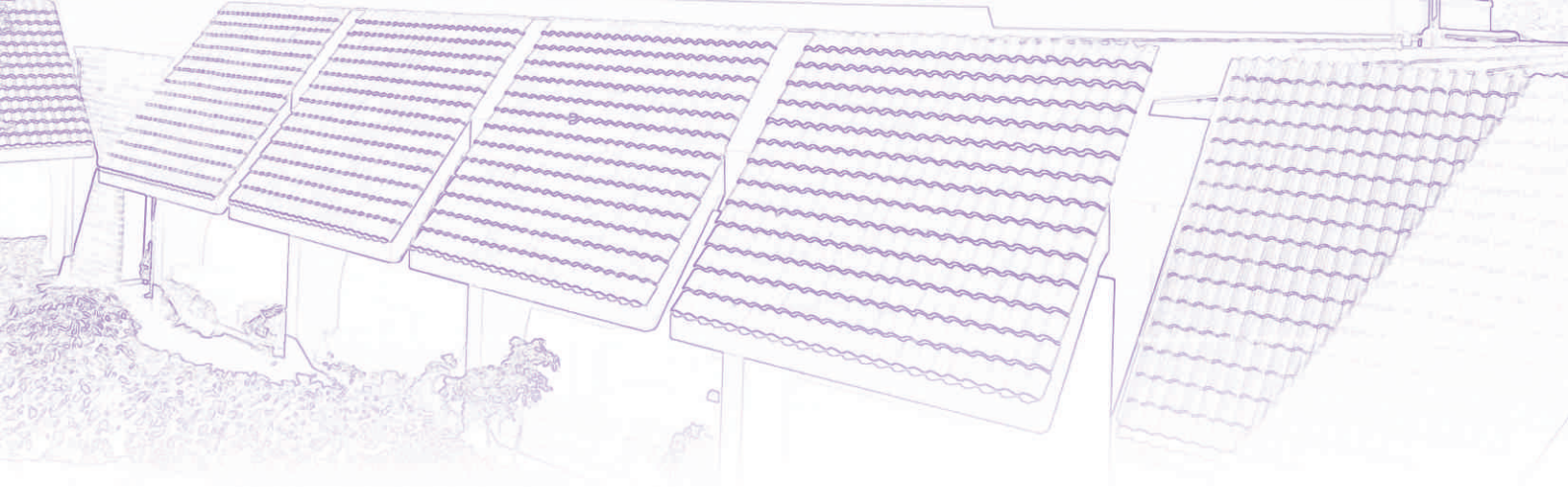
Observing a macaque in the field...



A snapshot from the District Quality Education Project



Still from *Coding Culture* film series made as part of NIAS-IDPAD project, 'Indian IT Professionals in India and Europe: Work, Culture and Transnationalism'.



NIAS COURSES

NIAS conducts several residential courses every year. Their multidisciplinary character and an integrated approach to knowledge and information distinguish these courses. The faculty for these courses include faculty from NIAS and researchers, scholars, leaders and policy makers from different parts of the country and occasionally from outside the country as well.

Course for Senior Executives

This residential annual one-week course is conducted in the month of January for executives in senior positions from the public and private sectors and from the national science and technology agencies. The first course was organised in 1989 with twenty eight participants and with the late RL Kapur as the course coordinator. In subsequent years the course coordinators were Profs Sundar Sarukkai, PK Shetty, Sangeetha Menon and Narendar Pani. Prof Dilip R Ahuja is the present course coordinator. This flagship course of NIAS in recent years has been focusing on 'Excellence in Leadership' in order to respond to the challenges of decision-making and leadership from a lateral and multidisciplinary point of view. The modules for the course offer an understanding of a wide variety of issues such as governance, management and Indian culture, and are intended to provide the broad overview that leaders of tomorrow will need to possess. The faculty for the course



25th NIAS Course for Senior Executives on *Excellence in Leadership*, January 2011

includes well-known public figures, eminent scientists and technologists, academicians and veteran administrators. The participants get to interact with some of the most important leaders and decision makers in the country.

Courses sponsored by the Department of Science and Technology, Government of India

As an initiative under the 'National Programme', NIAS in collaboration with DST has been organizing training programmes on themes such as 'Multidisciplinary Perspectives on Science, Technology and Society', 'Dimensions of Nano-technology, Science and Society', 'Energy Security and Management', 'Impact of Globalisation' and 'Gender Issues in Science and Technology'.

The two week courses on 'Multidisciplinary Perspectives on Science, Technology and Society' being conducted from 2004 onwards covers a wide range of topics with implications for social, economic, political, scientific and technological issues. The past and current Course Coordinators include Prof Dilip R Ahuja, Dr MG Narasimhan. The one week course on 'Dimensions of Nanotechnology. Science and Security' were conducted in 2006, 2007 and 2009 covered topics on nano-science, nano-materials, business and society at large. Prof S Ranganathan and Dr RV Krishnan were the Course Coordinators. Another one week course was organized on the same theme in 2009 exclusively for women scientists-cum-administrators. The Course Coordinators were Dr MG Narasimhan and Dr Shobhana Narasimhan. The one week course on 'Energy Security and Management' in 2008, 2009 and 2010 were organized with special emphasis on security and management highlighting vulnerability to energy deficit and possible ways to address it. Prof DP Sen Gupta and Prof Dilip R Ahuja were the Course Coordinators. The one week course on 'Impact of Globalisation' in 2008 and 2009 provided an overview of the process of globalization with the objective of conceptualization of the process, updates and case studies. Prof Narendar Pani was the Course Coordinator. The one week course in 2010 was organised on 'Gender Issues in Science and Technology'. The theme of this Course was on 'Transcending Barriers to Performance: Women in Science'. The Course was coordinated by Prof Shantha Mohan.



8th NIAS - DST Training Programme on *Multidisciplinary Perspectives on Science and Technology*, August 2010

The two week Course on 'Multidisciplinary Perspectives on Science, Technology and Society' which was eighth in the series, was organized between July 26 and August 7, 2010 and was coordinated by Dr MG Narasimhan.

The one week Course on 'Strategic and Security Contexts' was organized between September 20 and 24, 2010, and was coordinated by Dr Lalitha Sundaresan and Dr Manabrata Guha.

The one week Course on 'Gender Issues in Science and Technology' was organized between November 22 and 26, 2010, and was coordinated by Prof N Shantha Mohan.

The one week Course for IAS Officers on 'Urban Management and Development' was organised from November 21 to 25, 2011 and was coordinated by Prof Narendar Pani.

The one week Programme on 'Paradigm Shift in Science and Technology' will be organised from December 12 to 16, 2011 and will be coordinated by Dr Lalitha Sundaresan and Dr Nabeel A Mancheri.

The one week Programme on 'New Technologies and Their Implications' will be organised from February 27 to March 2, 2012 and will be coordinated by Dr MG Narasimhan.

NIAS OUTREACH EVENTS

NIAS has emerged as a key public policy forum in India contributing to an informed national debate, and providing advice and consultancy on critical national issues. A wide spectrum of events is held, ranging from major international meetings to informal discussion groups. In the past, NIAS has been a venue for many public lectures, conferences, seminars, symposiums and workshops that are organised independently by the Institute or conjointly with other institutions. The areas cover topical areas of research in the institute and issues of social and national importance. These forums are open to students and citizens of Bangalore.

Wednesday Discussion Meetings

NIAS Wednesday Discussion Meetings are among the outreach events that have continued since the inception of the Institute. The faculty of the Institute meets every Wednesday morning for academic discussions after a lecture usually delivered by one of its members. These Wednesday meetings also serve as a forum for invited guest speakers to deliver lectures on subjects of their choice.

Sangeetha Menon is the Co-ordinator of Wednesday Discussion Meetings.



NIAS Literary, Arts and Heritage Forum

NIAS Literary, Art and Heritage Forum aims to facilitate the appreciation, promotion and study of crucial cultural and artistic aspects. Apart from lectures and book readings, the Forum aims to hold screenings of films and to promote art appreciation related to exhibitions. Earlier events include a lecture by eminent writer and former IAS officer Achala Moulik-Moses, screening of the historical documentary film 'Curse of Talakad' by Sashi Sivaraman, a talk coinciding with the exhibition on the Indian miniatures of the Fontaine Fables at the Alliance Francaise, Bangalore, by Dr Jean-Marie Lafont, and a reading of translations of Sindhi Sufi poetry by Anju Makhija. The Forum held its first seminar in November 2007, sponsored by Sahitya Akademi, New Delhi, entitled 'Sangam: Interactions of Poetry and Theatre'.

Sharada Srinivasan, Sangeetha Menon and Leena Pascal are the Co-ordinators of NIAS Literary, Art and Heritage Forum.

Associates' Programmes

NIAS Associates include distinguished persons from widely different backgrounds in industry, government, media, the arts and academia. The Associates constitute a strong base of ongoing support and interaction. NIAS organises regular Associates meetings, which include lectures, plays, and performing arts events. NIAS Associates Programme is overseen by a committee chaired by Prof S Settar. Members are Prof Dilip Ahuja, Prof PK Shetty and Dr Anitha BK.

Since the inception of this Institute, NIAS has organised about 150 Associates' Programmes. These include talks by Field Marshal Sam Manekshaw, MC; Sri Gilles Bibeau, University of Montreal, Canada; Sri Soli J Sorabjee, Former Attorney General of India; Prof Senake Bandaranayake, the Former Sri Lankan High Commissioner to India, New Delhi; Prof EC George Sudarshan, University of Texas; USA; Sir David King, Chief Scientific Advisor to the UK Government; Gen S Roychowdhury, Former Chief of Army Staff; Dr Kiran Bedi, IPS; Prof Evandro Agazzi, University of Genoa, Italy; Ambassador Dennis Kux, USA, Dr Hilary Putnam, Harvard University, USA; and others. Some of the important performing arts and plays included a violin recital by Dr N Rajam, a veena duet by Dr V Doreswamy Iyengar and Sri D Balakrishna, a Hindustani classical music recital on the Rudra Veena by Ustad Bahauddin Dagar, a cello-sitar concert by Ms Saskia de Hass (Dutch cellist) and Sri Subhedra Rao (Indian Sitarist), a showing of the film Gajagami followed by a talk by Sri MF Hussain, and a play, Copenhagen, by Sri Gerard Bayle and his team.

PK Shetty is the Coordinator of the Associates' Programme.

NIAS Annual Memorial Lecture Series

NIAS organises two annual memorial lectures: the Dr Raja Ramanna Memorial Lecture and the Dr MN Srinivas Memorial Lecture. Another series of memorial lectures in the past was the JRD Tata Memorial Lectures. Eminent speakers for these lectures included Sri Shyam Saran, Dr Gopalkrishna Gandhi, Dr CV Sundaram, Sri NN Vohra, Prof T Scarlett Epstein. From 2011 onwards NIAS organises another memorial lecture: Smt Lakshmi Nizamuddin Memorial Lecture. The first lecture in the series was given by Dr Kiran Majumdar-Shaw.





NIAS LIBRARY

The main objective of NIAS library has been to develop a well-balanced collection of books across disciplines in which our faculty is actively engaged in research. The collection is liberal in scope but selective in titles with an emphasis on acquisition relevant to interdisciplinary research, the Institute doctoral programme as well as to courses conducted by the Institute. Over the years, the collection has also been enriched by donations of valuable books and journals from several scholars. The collection today stands at 14004 books, 1,787 back volumes of journals, 54 print journals and over 2700 online journals. The library also has a small collection of CDs, DVDs, audio and videos recordings.

The library received a substantial grant from the Jamsetji Tata Trust in the year 2009 to expand its collection and for other development activities. Over the years, the research activities of the Institute have grown manifold and the library has been trying to keep pace with the expanding aims and activities of the Institute. This generous grant has helped the library enormously to develop itself and bolster the educational and research needs of the Institute. Efforts have been made to acquire basic textbooks, seminal works, reference books, journal subscriptions, reports, and databases, as well as to identify gaps in the disciplines, which were not adequately represented, and thus consolidating its collection uniformly across all disciplines. The library has acquired Census data of 1991 and 2001 as well as all the National Sample Survey Data available in electronic form.

The subscriptions to electronic journals include the Oxford University Press (207 titles), Cambridge University Press (224 titles), Taylor and Francis (1,173 titles) and other reputed publishers (113 titles). Subscriptions to archives and databases include JSTOR, Psychoanalytic Electronic Publishing Archive and IndiaStat.Com.

The facilities of the library include two linux servers, one workstation and one windows server connected to five computer terminals using thin client technology for browsing with high-speed Internet connection and one network printer and copier machine. The library uses LibSys software for housekeeping operations. The main activities including book acquisition, cataloguing and circulation have been automated. The catalogue of books is available on the web. An open access institutional repository containing the research output of NIAS faculty and students has been developed and is accessible over the web.

Ms Hamsa Kalyani is the Deputy Librarian and Ms R Vijayalakshmi is an Executive Assistant in the Library.



Hamsa Kalyani
(MLISc, Bangalore)
Deputy Librarian

Ms Hamsa Kalyani has a Master's degree in Library and Information Science. In addition she has completed a course on Information Technology Applications at the National Centre for Science Information, IISc, Bangalore. She has been responsible for library management at NIAS. In addition to library collection development and automation, she is responsible for maintaining the website of NIAS. She has also developed an institutional repository of publications using the Eprints software.

joined NIAS on 1st May 1992

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ADMINISTRATION



P Srinivasa Aithal
Head, Admin. & Finance

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Sri Srinivasa Aithal joined NIAS in 1995. He has a master's degree in commerce from Karnataka University and a post graduate diploma in financial management from Pondicherry University. He has been overseeing the accounts of the Institute as well as its research projects. Before taking-up the role of Head of Administration and Finance of NIAS with effect from February 2009, he had also held the position of Administration & Accounts officer at the Institute.



VA Joseph
Office Manager

manager@nias.iisc.ernet.in, vajos42@hotmail.com

Capt VA Joseph (Retd) joined NIAS in 1992 after serving in the Army (Corps of Engineers) for 32 years. During his tenure in the Army he had a number of assignments including a tenure in the Indian Embassy in Addis Ababa (Ethiopia). In 1965 he was actively involved in Indo-Pak War and in 1971 he had taken part in the Bangladesh Liberation War. In appreciation of his meritorious service he was honoured by the President of India on 1st January 1992 and on 15th August 1992. His responsibility at NIAS includes the management of administration and finance.

Administrative Staff

The Administrative staff of NIAS provides support in organising various courses, programmes and other academic activities of NIAS. As occasions demand they also assist the faculty in event management and administrative work.



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VA Ramesh
Junior Executive Assistant
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Support Staff



First row (from left to right)

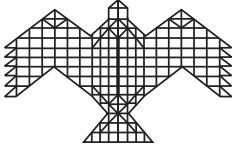
Mohamad Umar, S Sampath
B Shivanandappa, V Srinivasa
G Nagaraja, N Rajesh, N Ramesh

Second row (from left to right)

M V Sudhakara, N Satyamurthy
G Venugopal, Mujeeb Pasha
Sukhdev Behera, S R Rathnam
S Revanna, R Harisha



NIAS EMBLEM



The NIAS emblem can be traced back to a remarkable Sanskrit work called the Sulva-sutras. Sulva-sutras are one of the four Kalpa-sutra texts concerned chiefly with Vedic ritual and display a deep knowledge of geometry from pre-Euclidean times. Scholars are not agreed on the precise date of the Sutras, but the text clearly pre-dates Panini and must have been composed before the 6th century B.C. The NIAS emblem displays an arrangement of bricks in the first layer of an altar called 'syena-cita'. The altar has the shape of an eagle or falcon and is described in the eleventh chapter of the Baudayana text.

The 'syēna-cita' represents imagination that inspires great mathematics and engineering – an apt symbol for the National Institute of Advanced Studies.

(Extracted from R Narasimha, *About the NIAS Emblem*, National Institute of Advanced Studies)

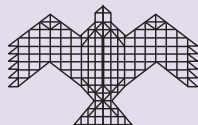
The NIAS Logo was designed by the renowned sculptor Sri Balan Nambiar.

Pictures Courtesy
AS Shiv Kumar, Mayukh Chatterjee,
Sangeetha Menon & NIAS Photo Archive

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Sangeetha Menon & Aditi Enterprises

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