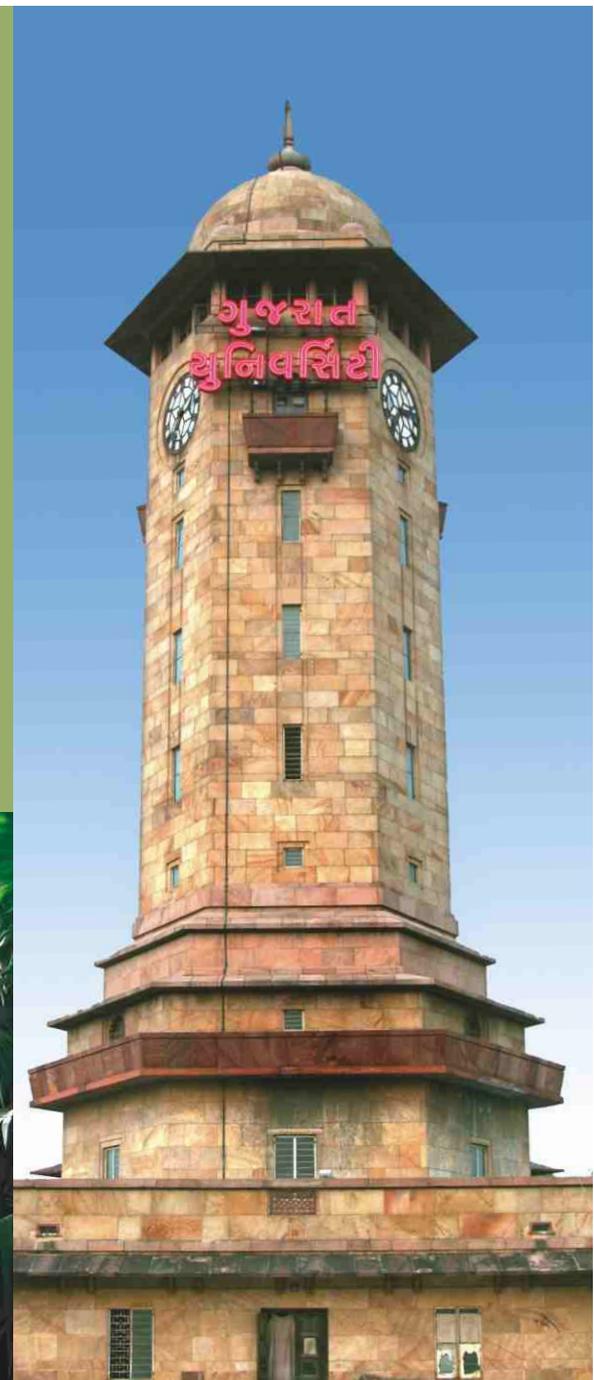




CEE

Centre for Environment Education

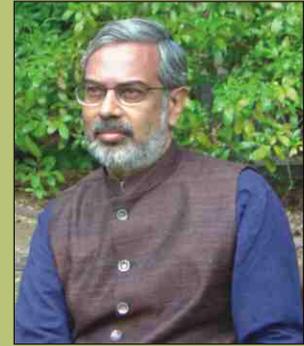
Gujarat University and
Centre for Environment Education
Management Education Centre
on **Climate Change**



From the Desk of

Climate change is one of the most important global environmental challenges currently faced by humanity with adverse impact on water availability, food security, natural ecosystems, biodiversity, health, livelihoods and much more. It is now eminently clear that steps need to be taken immediately to reduce the rate of green house gas emissions, and further to bring them down. At the same time, efforts towards building up adaptation mechanisms to cope with the impacts and consequences of global warming need to be increased. The concept of development and unsustainable lifestyles needs to be questioned. *We need to learn from the mistakes of the industrial revolution especially in term of waste creation, and leapfrog our way to a more sustainable development. Whereby we can take into account different stakeholder and the contribution of many to reach a developed stage which balances our social and environmental needs.*

Gujarat University and CEE has initiated a step towards climate change education by forming a unique partnership to set up 'Management Education Centre on Climate Change' (MEC-CC). Climate change education aims not only at creating awareness about the causes, effect and concept of climate change but also motivate people to take actions towards more sustainable future. *We can achieve success by effective mitigation and successful adaptation and can inspire young minds to take action on climate change.*



A handwritten signature in black ink, appearing to read 'Kartikeya V. Sarabhai'.

Kartikeya V. Sarabhai
Director, CEE

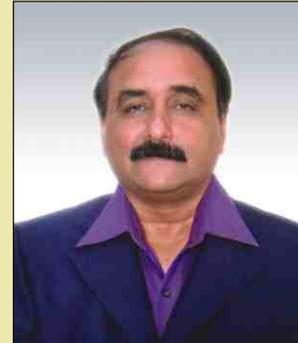
From the Desk of

Climate change refers to a statistically significant change in either the mean state of the climate or in its variability, persisting for an extended period (typically decades or longer). With recent developmental activities there is a significant change in the atmosphere and natural climate, all leading to global warming. When there is all round efforts at various fronts to predict the fallout of climate change, you will be glad to know that the Gujarat University, Ahmedabad and Centre for Environmental Education, Ahmedabad has joined hands to establish a centre on Management and Education Centre on Climate Change (MECCC).

This would cater to the research activities in this direction and prepare trained and well equipped man power, both students and professionals to tackle this global issue.

Teachers from various streams of the Gujarat University and specialists from CEE will coordinate and deliver value added education and training. Well known experts from other Universities and institutions in Gujarat and from across our country will be invited to guide and participate in this process. We will also try to associate experts from institutions and agencies from other countries. While formal and other educational and capacity building interventions will be the mainstay, projects that demonstrate the feasibility of appropriate solutions to problems will also be carried out.

The mission of MECCC, is to improve preparedness of professionals emerging from the portals of the Gujarat University and other stakeholders to engage in well informed action to initiate and sustain mitigation and adaptation. The call for action is to deliver locally relevant solutions integrating state of art knowledge and tools. The MECCC is best positioned to carry out this task. I invite all of you to participate and ensure success in the latest and global issue of Climate Change.



A handwritten signature in black ink, appearing to read 'Dr. Parimal Trivedi'. The signature is stylized and includes a horizontal line underneath.

Dr. Parimal Trivedi
Vice-Chancellor

About Gujarat University

Gujarat University established in 1949, is the largest University in the State catering to the needs of higher education of more than two lakh students scattered over 235 colleges, 15 recognised institutions and 24 approved institutions. There are 34 Post-Graduate University departments and 221 P.G. Centres.

GU has always been in the forefront in introducing new courses and modifying the existing curriculum according to emerging needs of the society and trends of research and development at the local, national and global levels.

Gujarat University offers a balanced mix of academic excellence, good avenues for research, a variety of course options, a supportive environment, good location and good employment opportunities in the state, which is known for the entrepreneurship skills of its people. Gujarat University will be able to bring different departments of University to coordinate and deliver value added education and training. Well known experts from other Universities & institutions in Gujarat and from across our country will be invited to guide and participate in this process

About CEE

Centre for Environment Education (CEE) is a national institution engaged in developing programmes and material to increase awareness and concern, leading to action, regarding the environment and sustainable development. Established in 1984 as a Centre of Excellence supported by the Government of India, Ministry of Environment and Forests (GoI-MoEF), it is affiliated to the Nehru Foundation for Development.

CEE's prime objective is to promote informed and balanced appreciation of environmental and developmental issues in a manner conducive to action for the conservation and wise use of natural resources. The work method adopted draws upon both traditional and modern knowledge systems, and employs a range of techniques and technologies of communication and networking.

CEE's programmes and projects over two decades have explored the emerging models of development to identify and promote those which are contextually sustainable. The methods employed include working with communities, sharing knowledge with policymakers, and capacity building at sub-national, national and trans-national levels. These have yielded opportunities to meaningfully bring learnings and insights from the grassroots to bear on policies and actions.

Need for the program

Climate change is one of the most profound and complex issues affecting our society and economy today. Recent scientific developments suggest that the impacts of climate change may be greater than previously feared.

India is faced with the challenge of sustaining her rapid economic growth while dealing with the global threat of climate change. Economy is closely tied with natural resource base and such climate-sensitive as agriculture, water and forestry. India has prepared a National action plan on climate change which depicts need and scope of effective implementation programs through linkages with civil society and the government involving public-private partnerships aligned with national approaches for strengthening strategic knowledge systems to tackle challenges in this regard. It is important to identify gaps in knowledge systems and help overcome them through appropriate information dissemination and technical capacity building interventions.

The present MEC CC will establish a much needed climate change education system relating academics and in-service applications. It is essential that scientists, engineers and environmental decision-makers understand the fundamentals of the causes, impacts and management measures involved in dealing with such important issues.



Management Education Centre on Climate Change (MECCC)

The Gujarat University recognized the importance of climate change issues and took the initiative to discuss the framework for focused action in the regard with the involvement of the CEE. Deliberations led to the joint establishment of the “Management Education Centre on Climate Change” (MEC-CC).

The Centre will be dedicated to create awareness and build capacities to evolve need based solutions to tackle climate change impacts in diverse sectors that impact productivity and livelihood of people associated with the extraction and use of natural resources. Mitigation and adaptation will therefore be the principal focus of the programmes at the Centre.

While Gujarat University is the largest University of Gujarat and caters to the needs of higher education; the Centre for Environment Education is a national institution engaged in developing programmes and material to increase awareness about the environment and sustainable development with a view to promote conservation and sustainable use of nature and natural resources, leading to better environment and a better quality of life.

The main activities of the MECCC will focus on capacity building through short term and long term courses, research and development activities, field visits, research guideships, conducting seminars and symposia, etc. While formal and other educational and capacity building interventions will be the mainstay, projects that demonstrate the feasibility of appropriate solutions to problems will also be carried out.

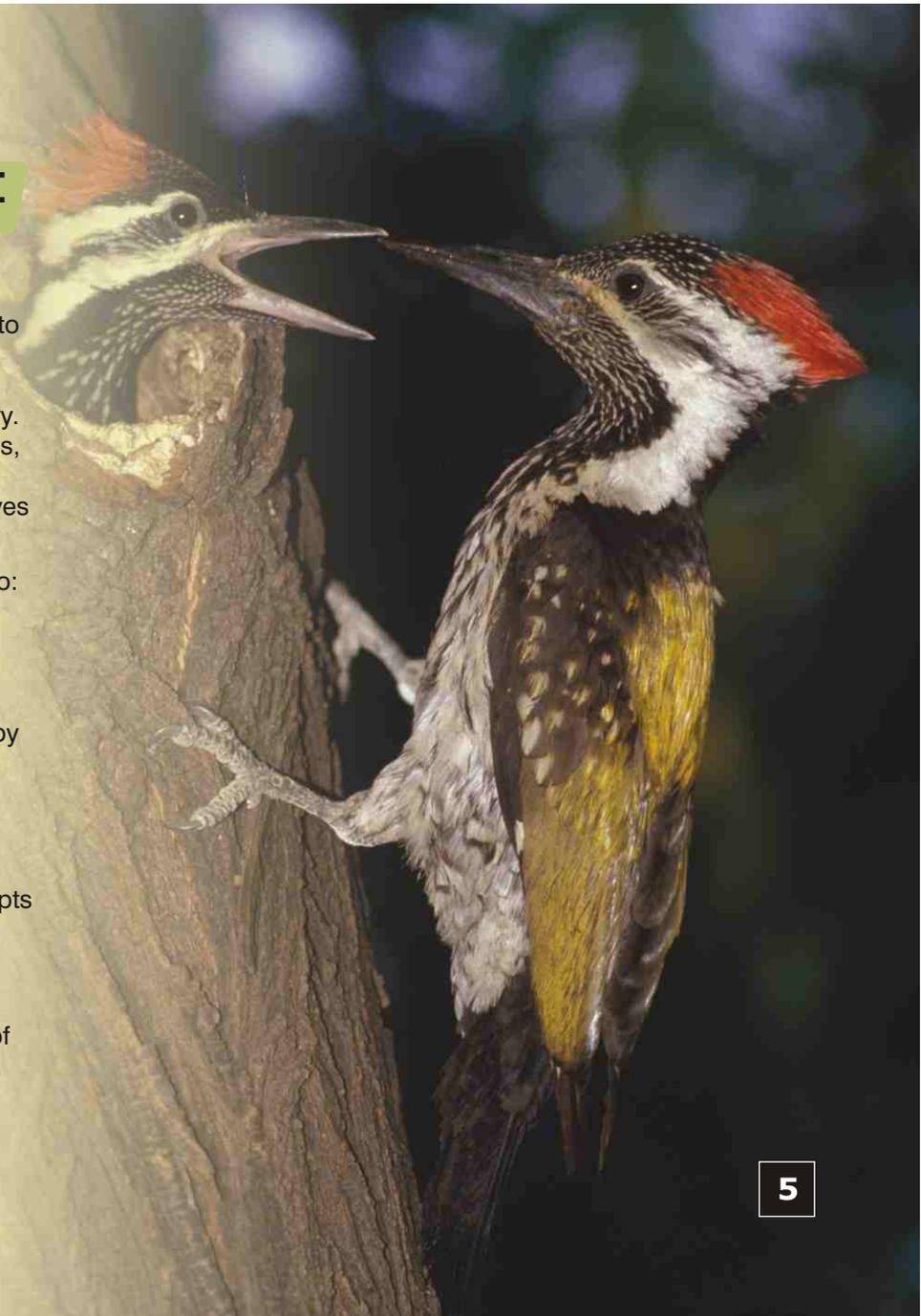


Objectives of the MECCC

The MECCC aims at enhancing knowledge on climate change and technical and social skills to facilitate appropriate mitigation and adaptation action that deal with issues in conjunction with the larger developmental agenda of our country. It includes changes in curricula at college levels, introduction of various programs at university level and training of professionals and executives in relevant fields.

The objectives of the MECCC courses will be to:

- ◆ Impart a comprehensive understanding of the natural and artificially induced factors responsible for climate change
- ◆ Build capacities to respond appropriately by using tools and techniques for assessing changes and implement mitigation and adaptation measures.
- ◆ Help select, design and apply a range of complementary, cohesive tools and concepts as part of a strategic approach to sustainability
- ◆ Enhance communication capabilities to inform and empower through knowledge of organizational and personal learning skills, improved presentation, facilitation and delivery.



Courses offered

The centre will offer a wide range of Certificate, P.G. Diploma and other short-term course on climate change mitigation and adaptation, tailored to the diverse backgrounds of students/ professionals.

Eligibility

The courses are open to graduates or professionals with equivalent qualifications in fields of meteorology, hydrology, agriculture, marine sciences and engineering, construction / infrastructure, manufacturing, environment sciences / engineering / management, working in Non-governmental organizations (NGOs), Community based organizations (CBOs) in related fields.

Learning outcomes

- ◆ International understanding of emerging trends and national imperatives related to vulnerability reduction, assessment and management of impacts of climate change
- ◆ Improved understanding of international and national commitments / capabilities for collaboration and legal obligations
- ◆ Know about some of the important integrated management tools and techniques

Teaching methodology

The objective is to link theory and practice, through lectures, case studies, field trips, projects, report writing and presentations.

Method of Assessment This will include project work, essays, case studies, reports and a dissertation, followed by a final examination. Monitoring of students' progress is continuous and thorough, with regular informal and formal communication between students and teaching staff.

For Inquiry

For details regarding various courses and its commencement Please contact

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Global Warming is Real

“The warming of the climate system is unequivocal, as is now evident from increases in global average air and ocean temperatures, widespread melting of snow and ice, and rising global mean sea level.”

*Intergovernmental Panel on Climate Change (IPCC)
Fourth Assessment Report, 2007*

Energy & Economic Growth

“India is registering rapid economic growth and has combined it with declining energy intensity. However, our total demand will keep increasing and we are actively looking for all possible sources of clean energy. The opening of international civil nuclear cooperation with India will have a positive impact on global energy security and on efforts to combat climate change”.

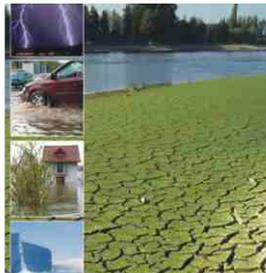
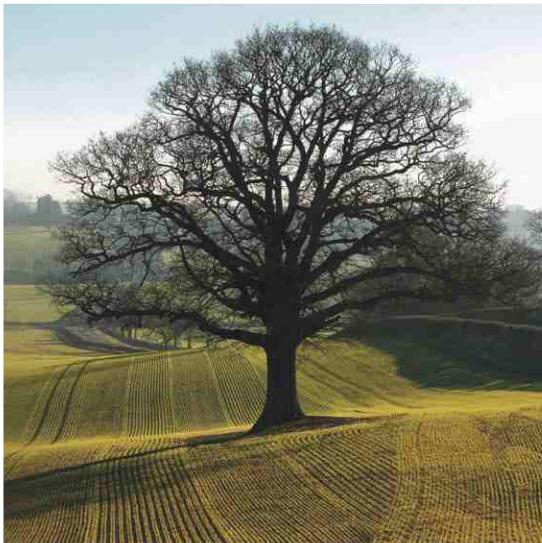
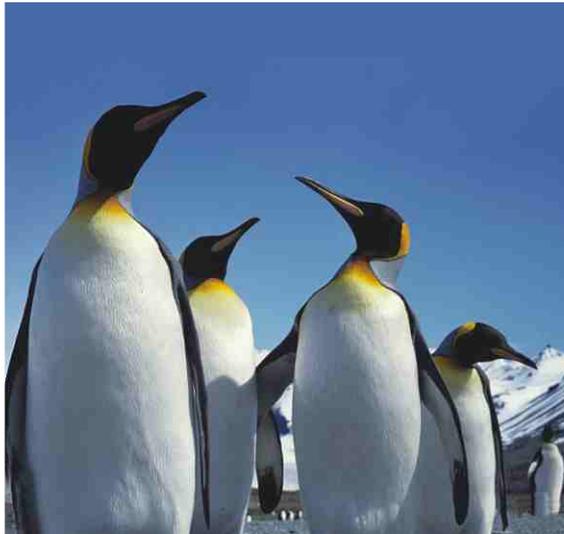
Prime Minister Dr Manmohan Singh at the General Debate of the 63rd UN General Assembly

Per-capita and Total Emissions

“India has unveiled an ambitious National Action Plan on Climate Change. Even as we pursue economic growth, we are committed to our per-capita emissions of greenhouse gases not exceeding those of the developed countries”.

Prime Minister Dr Manmohan Singh at the General Debate of the 63rd UN General Assembly





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(NAAC Accredited B++ - 83.1%)

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