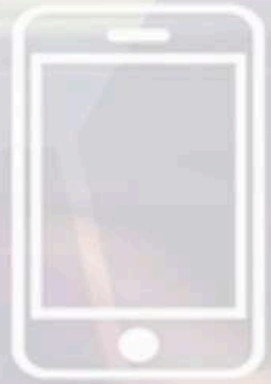




**ZAHEER SCIENCE FOUNDATION**

**2024**



## *The Foundation*

### *Background*

Zaheer Science Foundation is a non-profit-organisation, which was established in 1970 as a Think Tank. The Foundation was registered as a Society under the Societies' Registration Act of 1860. Inspiration for starting the Foundation came from the perception that there was a great need of interaction between science and the society, and the Foundation could greatly help in creating a clear understanding to connect Scientific and Technological developments for societal needs and promoting scientific temperament at large. The Foundation has been actively involved in promotion of scientific research and bringing awareness about Science & Technology Innovations. It has also been working in the area of S&T Policy analysis, Science for Small Nations and South-South Cooperation through organizing seminars and conferences at National and International level in last few years, helping in disseminating the scientific knowledge and promoting scientific temperament for nation building.

The Foundation is named after (Late) Dr. S. Husain Zaheer, who had played a great role in the Indian Freedom struggle. Appointed as Director General of CSIR (1961-66), Dr. Zaheer had a long association with the science system in the country in various capacities and contributed substantially and significantly to the growth of scientific and industrial research in India. He is remembered by the scientific community for five-year performance assessment scheme (flexible complementing scheme) to provide incentive to scientists for creative activities, and abolition of hierarchy among scientists.

The initiative of naming the Foundation as Zaheer Science Foundation and the honour of being its first Chairman belonged to the **Dr. A. Ramaswamy Mudaliar** who was also the Founder President of the Council of Scientific and Industrial Research. Thereafter, the following eminent scholars served as Chairmen of Zaheer Science Foundation:

Dr. S. Husain Zaheer	Dr. A. R. Kidwai
Prof. Nurul Hasan	Dr. G. Thyagarajan
Shri P.N. Haksar	Dr. M. U. Khan
Prof. R.C. Mehrotra	Prof. Harsh Gupta

### *Mission*

With the above perception, the aims and objectives of the Foundation have been defined as follows:-

- To organize lectures, symposia, seminars and publish periodicals, books, journals and magazines relating to the objectives of the Foundation.
- To conduct research on science, technology and development studies supported by National and International Funding Agencies.
- To promote scientific and technological exchange of information, experience and advanced training between India and other countries, especially developing countries.
- To promote any other activity incidental to the above objectives (but not involving the carrying on of any activity for profit) as the Governing Council may from time to time determine.
- To give awards, scholarships, fellowships and grants to individuals/teams of scientists, technologists and organizations in regard to specific projects with a view to promote scientific, industrial, economic and social research.

## ***Organization of the Foundation***

The Governing Council of the Foundation which is the supreme body for the management of all the affairs and funds of the Foundation consists of not less than five and not more than ten Members inclusive of Chairman, the maximum number of Members being as follows:

- (i) Five Members elected by the Members of the Foundation.
- (ii) Five eminent persons having special knowledge or practical experience in science, technology, industry or social and economic affairs co-opted by the elected members of the Governing Council.

## ***Patron and Advisors of the Foundation***

Dr. T. Ramasami - Patron  
Former Director CLRI, (CSIR)  
Former Secretary, DST

Prof. Zahid H. Khan - Advisor  
Former Professor, Dept. of Physics, Jamia Millia Islamia, New Delhi  
UNESCO-IDL, National Node for India

Dr. Ram Boojh - Advisor  
Advisor, Mobius Foundation, New Delhi  
Former Science Programme Chief, UNESCO New Delhi Office

## ***Governing Council of the Foundation***

- Dr. Tabassum Jamal - Chairperson  
Former Chief Scientist & Head Business Development Group,  
CSIR-NIScPR, New Delhi
- Dr. D. Shailaja Donempudi - Vice-Chairperson  
Chief Scientist & Chair, Business Development & Research Management,  
CSIR-IICT, Hyderabad
- Dr. Mohd. Rais - Secretary  
Former Chief Scientist & Professor, Head BDG & Industry,  
CSIR-NIScPR, New Delhi
- Mohd. Asad Ullah Khan - Treasurer  
Retired Deputy Director General, Bureau of Indian Standards, New Delhi
- Dr. Manish Mohan Gore - Joint Secretary  
Scientist, CSIR-NIScPR, New Delhi
- Dr. Seema Wahab - Member  
Former Senior Advisor DBT, New Delhi
- Dr. Mohammad Irfan Qureshi - Member  
Associate Professor Proteomics & Bioinformatics Lab, Dept. of Biotechnology,  
Faculty of Natural Sciences, JMI University, New Delhi

- Prof. Pramesh N. Kapoor - Member  
Former Professor in Chemistry, Delhi University, New Delhi
- Dr. Enna Dogra Gupta - Member  
Scientist-C, Policy & Communication, ICMR, New Delhi
- Dr. Abhishek Kumar - Member  
Senior Scientist and In-charge, Administration Cell (CPD) CSIR, New Delhi

### *Achievements of the Foundation*

Over the years, the Foundation has functioned as per its mandate contributed to the advancement of Science and Technology. The activities of the Foundation have mostly consisted of the organization of lectures on subjects pertaining to science and society and making research awards to younger scientists. The Foundation has also interacted with other scientific and socio-scientific organizations in the area of science and society. Over the last few years the Foundation has been concentrating on the following aspects:

- Development of a scientific and rational approach to social, economic problems.
- Efforts and policies for self-reliance in scientific, industrial and economic spheres.

### *Interaction with “Scientific Advisory Council to the Prime Minister”*

At the invitation of the Chairman, Scientific Advisory Council to the Prime Minister, Prof. C.N.R. Rao, F.R.S., the Nehru Memorial Museum and Library and the Foundation jointly organized a discussion on the paper entitled “An Approach to a Perspective Plan for 2001 A.D.: Role of Science and Technology” prepared by the Council. The seminar was well attended by scientists, social scientists and economists from all walks of life. The discussion was initiated by Prof. C.N.R. Rao. Later, a report was prepared in the form of a document and submitted to the Council. The recommendations made in the final report were suitably incorporated in the final version of the Council’s paper.

### *Forum discussions*

Symposium on “Emerging Trends in India’s Agricultural and Industrial Policies and their implications for Self-reliance and indigenous Technology”.

The Government of India under the then Prime Minister, Shri V.P. Singh had proposed reorienting the country’s agricultural and industrial policies. The draft of the agricultural policy by the Ministry of Industry was prepared by the respective Ministries. The Nehru Memorial Museum and Library and the Zaheer Science Foundation jointly invited members of the Planning Commission, Scientists, Economists and Social Scientists to an open forum discussion on August 9, 1990 on agricultural and industrial policies. Prof. C.H. Hanumantha Rao initiated the discussion on agricultural policy and Dr. Arun Ghosh, Member, Planning Commission discussed the industrial policy. The meeting was presided over by Shri P.N. Haksar, former Deputy Chairman of the Planning Commission. A report on the meeting was widely circulated.

## *International activities*

The Zaheer Science Foundation was invited by the Scientific Secretary to the Commonwealth Science Council, London, to prepare a report on “The Role and Responsibilities of the State for Development and Application of Science and Technology” for presentation at the meeting of the Ministers of Science and Technology of Commonwealth Countries held at Malta in November, 1990.

In cooperation with Delhi University and other organizations, Zaheer Science Foundation co-sponsored a seminar on ‘Current Trends in Chemical Research’, which was attended by chemical researchers of repute from India and abroad.

The Foundation also organized an International Conference on “SCIENCE AND THE SMALL NATIONS-Bridging the Gaps: A Science Diplomacy Initiative” at India Islamic Cultural Centre, New Delhi, 2017.

## *Focus Research Areas of the Foundation*

- Information & Communication Technology (ICT) in Education
- Science Popularisation
- Environmental Challenges
- Emerging Trends in Biotechnology
- Inspiring & Engaging of Women In Science
- Technological Interventions & Micro Enterprises (Focus on the North-East India)
- State S&T Councils & Regional Development
- Science Diplomacy (Focus on Science for Small Nations)

## *Major Events Organized by Zaheer Science Foundation (ZSF)*

- “Reflection on Light and its significance in our lives”, One day event as part of the UNESCO -IDL 2024 celebrations at ZSF, 4 Udyan Marg, New Delhi, 16th May 2024.
- A Student-Scientist connect programme as Scientific Social Responsibility Organised in Collaboration with CSIR-IICT, Hyderabad, CSIR-CLRI, Chennai & CSIR-IGIB at ZSF, 4 Udyan Marg, New Delhi, 22nd August 2023.
- “Disruption of Education during the COVID-19 Pandemic”, Online International Workshop organised by ZSF as part of the UNESCO’s International Day of Light 2022 (IDL 2022), 30th August 2022.
- “Science of Yoga”, a half-day workshop organised at ZSF, 4 Udyan Marg, New Delhi, 28th June, 2022.

- “Innovation driven economic growth in Asia focusing on India” International Conference organized by ZSF in partnership with UNESCO at Goa University, Goa, 27-29 November, 2019.
- “Leadership in Science & Technology” Dr. Husain Zaheer Memorial Lecture delivered by Dr. Shekhar C. Mande, DG-CSIR at NPL auditorium, New Delhi, 22nd July, 2019.
- “New Trends in Biotechnology” One day workshop cum Training Program for the North Eastern Region organised by ZSF at USTM, Meghalaya, 28<sup>th</sup> April, 2018.
- “Science and the Small Nations-Bridging the Gaps: A Science diplomacy Initiative” International conference organised by ZSF at India Islamic Cultural Centre, New Delhi, November 14-16, 2017.
- Science, Technology and Innovation Policy for SAARC Countries, Training Program jointly organized by ZSF with UNESCO at INSA, New Delhi, 13-17 February, 2017.
- Dr. S. Husain Zaheer Remembrance Day event organised by ZSF at CSIR-Indian Institute of Chemical Technology, (IICT) Hyderabad, 01 December, 2015.
- “Science, Technology and Innovation Policy: Foresight, Growth, Roadmaps, Sectoral Impact Assessment and Alliances” A conclave of scientists organised by ZSF at INSA, New Delhi, 27-29 November, 2014.
- Science, Technology and Innovation Policy-implementation Brainstorming Conference organised by ZSF at Bareilly College, Bareilly, 8th January, 2014.
- “New Drug Discovery in the context of New STI Policy 2013, National Conference jointly organized by Administrative Staff College of India and ZSF at Bella Vista, Raj Bhavan Road, Hyderabad, 05-6th April, 2013.
- Dr. S. Husain Zaheer Centenary Celebration Day, Organised by ZSF at IICT, Hyderabad, 18th November, 2011.
- Regional Co-operation in Science and Technology: Opportunities and Challenges in the context of Globalization, World Conclave of Scientists organised by ZSF at INSA, New Delhi, 26-29 November, 2010. **(Sponsored by UNESCO).**
- “Capacity Building in Science and Technology; Policy perspective, opportunities and challenges in the context of globalization”, International Conference organised by ZSF at INSA, New Delhi, 27-29 November, 2007. **(Sponsored by UNESCO).**
- “Science & Technology Policy: Future challenges in the context of globalization”, International Conference organized by ZSF at Chandigarh, 7-10 March, 2005. **(Sponsored by UNESCO).**

## *Future Roadmap of Zaheer Science Foundation*

Today's more digital form of globalization is changing the world economic order with rapid competition moves. This has opened new opportunities for the people world over to participate in the developmental activities and attain prosperity in all walks of life. Though advanced economies in general continue to be the leaders in most flows, developing countries are making their mark with new business opportunities largely based on small and medium enterprises and startups, eventually improving their socio-economic development.

In this context, countries like India with vast natural resources, excellent agro-climatic conditions and manpower can take full advantage of globalization of economy for all round development of the country. India can thus acquire leadership position in many areas of production, research and development especially in the fields of medicine, agriculture and information and communication technologies. Viewed against the above background, Zaheer Science Foundation can play an important role in nation building by disseminating and generating new knowledge through holding conferences, seminars and discussions with experts, organizing outreach programmes with concerned stakeholders and conducting science, technology and development studies.

## Past Chairmen of Zaheer Science Foundation



**Dr. A. Ramaswamy Mudaliar  
(1970-1974)**

**Awards:**

- Padma Bhushan (1954)
- Padma Vibhushan (1970)



**Dr. S. Husain Zaheer  
(1974-1975)**

- Director General, CSIR (1961-66)

**Award:**

- Padma Bhushan (1972)



**Prof. Nurul Hasan  
(1975-1988)**

- Vice President CSIR (1977-80)
- Governor of West Bengal (1986-89)
- Governor of Odisha (1989)



**Prof. R.C. Mehrotra  
(1989-1991)**

**Awards:**

- Shanti Swarup Bhatnagar Prize (1965)
- PC Ray Award (1977)
- Vice President, INSA (1977-78)



**Dr. A.R. Kidwai  
(1991-1992)**

- Chairman & Member of UPSC (1967-79)

**Award:**

- Padma Vibhushan (2011)



**Shri P. N. Haksar  
(1992-1997)**

- Policy Advisor to Prime Minister (1971-73)
- First Chancellor, Jawaharlal Nehru University
- Indian Ambassador to Austria & Nigeria



**Dr. A.R. Kidwai  
(1998-2016)**

- Governor of Bihar (1979-85)
- Governor of Haryana (2004-2009)

**Award:**  
-Padma Vibhushan (2011)



**Dr. G. Thyagarajan  
(2016-2020)**

- Science Advisor to Commonwealth Secretary General, London
- Practitioner of Science-Society Linkages
- Scientific Secretary of committee on S&T in developing Countries (1996-2002)



**Dr. Mohsin U. Khan  
(2020-2021)**

- Professor, Innovation Policy, Plekhanov Russian University of Economics
- Consultant to UNESCO & ISESCO
- Awarded from Commonwealth Scholarship Commission



**Prof. Harsh K. Gupta  
(2021-2023)**

- Established “Dakshin Gangotri”, India’s First Permanent Research Station in Antarctica (1983/84)

**Awards:**  
-SS Bhatnagar Prize (1983)  
-Padma Shri (2006)  
-Life Time Excellence Award by MoES, GOI (2022)

## Glorious Journey of ZSF - Few Glimpses



One day event as part of the UNESCO -IDL 2024 celebrations on “Reflection on Light and its significance in our lives” New Delhi 2024



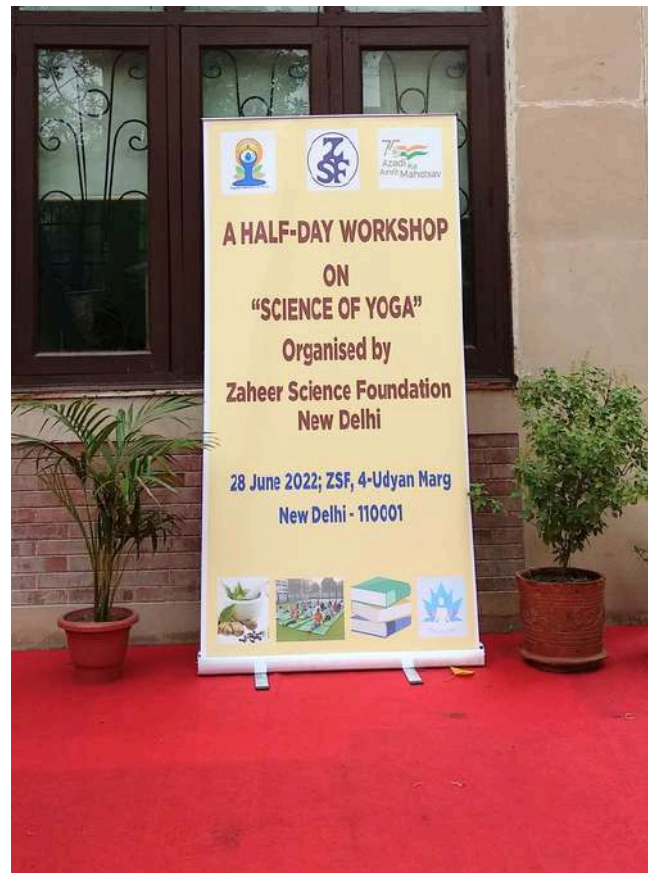
**Launch of monthly e-Newsletter on 'Science & Society in Media' as part of the IDL 2023 Celebrations , 17th July, 2023, New Delhi**



**A Student-Scientist connect programme as Scientific Social Responsibility Organised in Collaboration with CSIR-IICT, Hyderabad, CSIR-CLRI, Chennai & CSIR-IGIB, New Delhi 2023**



Online International Workshop on Disruption of Education during the COVID-19 Pandemic, New Delhi, 2022



A Half- Day Workshop on Science of Yoga, New Delhi, 2022



**International Conference on Innovation driven economic growth in Asia focusing on India at Goa University, Goa, 2019.**



**Dr. Husain Zaheer Memorial Lecture on Leadership in Science & Technology, New Delhi, 2019**



**International Conference on Science And the Small Nations - Bridging the Gaps  
A Science diplomacy Initiative, New Delhi, 2017**



**Training Program on Science, Technology and Innovation Policy for SAARC Countries, New Delhi, 2017**



**One day event on Dr. S. Husain Zaheer Remembrance Day, Hyderabad, 2015**



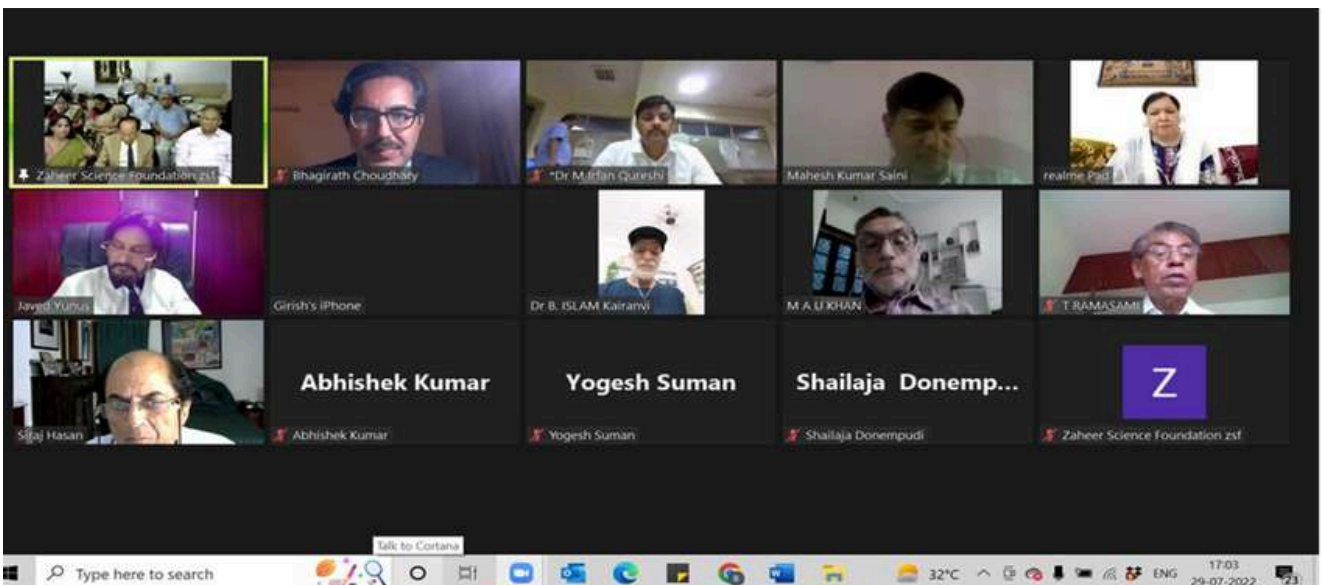
**A Conclave of Scientists on Science, Technology and Innovation Policy: Foresight, Growth, Roadmaps, Sectoral Impact Assessment & Alliances New Delhi, 2014**



**World Conclave of Scientists on Regional Co-operation in Science and Technology: Opportunities and Challenges in the context of Globalization, New Delhi, 2010**



Governing Council Meeting at ZSF Office, New Delhi, 17th May, 2022



Annual General Meeting at ZSF Office, (Hybrid Mode), New Delhi, 29th July 2022



Governing Council Meeting at ZSF Office, New Delhi, 2nd May, 2023



Governing Council Meeting (Hybrid Mode) at ZSF Office, New Delhi, 17th October, 2023



Governing Council Meeting (Hybrid Mode) at ZSF Office, New Delhi, 7th May 2024

# Patrons, Advisors & Governing Council Members



**Patron**  
Dr. T. Ramasami  
Former Director CLRI, CSIR,  
Former Secretary, DST



**Advisor**  
Prof. Zahid H. Khan  
Former Professor, Dept. of Physics, Jamia Millia Islamia, New Delhi  
UNESCO-IDL, National Node for India



**Advisor**  
Dr. Ram Boojh  
CEO, Mobius Foundation, New Delhi  
Former Science Programme Chief, UNESCO New Delhi Office



**Dr. Tabassum Jamal**  
Chairperson



**Dr. D. Shailaja Donempudi**  
Vice-Chairperson



**Dr. Mohd. Rais**  
Secretary



**Mohd. Asad Ullah Khan**  
Treasurer



**Dr. Manish Mohan Gore**  
Joint Secretary



**Dr. Seema Wahab**  
Member



**Dr. Mohammad Irfan Qureshi**  
Member



**Prof. Pramesh N. Kapoor**  
Member



**Dr. Enna Dogra Gupta**  
Member

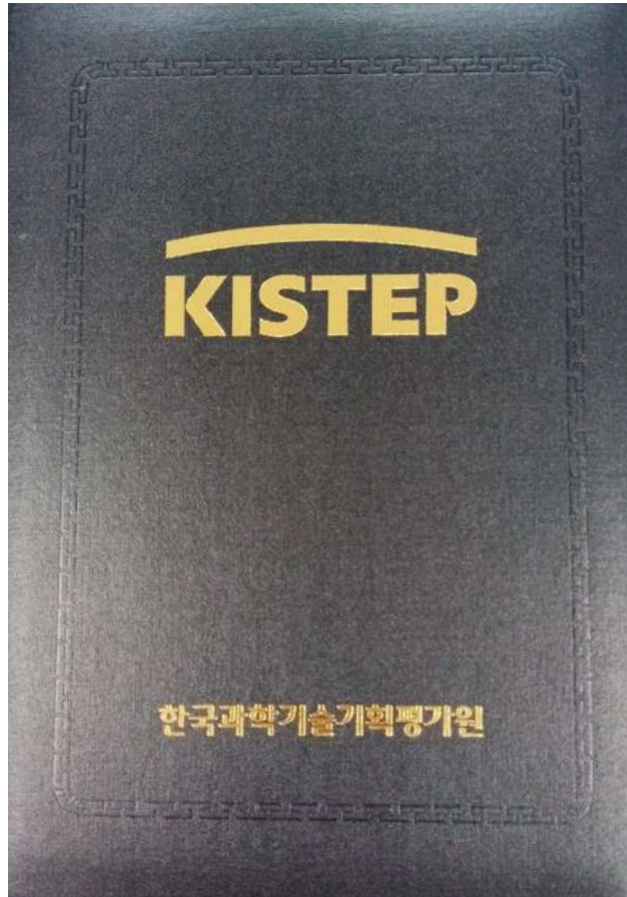


**Dr. Abhishek Kumar**  
Member

# Awards & Honours



# MOU with KISTEP



## MOUs of ZSF

- **The International Science, Technology and Innovation Centre for South-South Cooperation (ISTIC), Under the auspices of UNESCO, Malaysia has signed an MOU to connect Scientific and Technological developments for societal needs and promoting scientific temperament at large, dated July 29, 2024.**
- **KISTEP has signed an MOU for developing and strengthening bilateral relations, and recognizing the importance of promoting the development of specific cooperative programs in Science & Technology, and Innovation as well as activities related to the Exchange of knowledge and experience, dated January 28th, 2023.**
- **Federal State Budget Institution of Science “Central Economics and Mathematics Institute of the Russian Academy of Sciences has signed an MOU to establish cooperation in research and collaboration on the topic “Drivers and bottlenecks of scientific and innovation policy in Russia and India, dated October 1, 2015.**
- **The Federal State Budget Institution of Science “Institute of Science Economics of the Russian Academy of Sciences has signed an MOU on Scientific cooperation in the implementation of research projects in areas of mutual interest and relating to the activities, dated October 1, 2015.**
- **Voronezh State University has signed an MOU concerning a programm of cooperation in Higher Education, dated 29th September 2015.**

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Government of India



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United Nations  
Educational, Scientific and  
Cultural Organization

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and Cultural Organization



सत्यमेव जयते

DEPARTMENT OF BIOTECHNOLOGY  
MINISTRY OF SCIENCE & TECHNOLOGY,  
GOVERNMENT OF INDIA





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