Biodata of Prof. Dr. H. O. Srivastava, IES

H O Srivastava

https://epo.wikitrans.net/Hari_Om_Srivastava
https://sirhariomsrivastava.in/
www.linkedin.com/in/prof-dr-sir-hari-om-srivastava
https://scholar.google.com/citations?user=-YakBlAAAAAJ&hl=en

Prof, Dr. H. O. Srivastava, IES, is the President of the **World Development Foundation** (WDF), an organization working to **enrich and empower the lives of poor and marginalized people in the world** by using the technology of mass media and ICT in the areas of **health, agriculture**, **education**, and entertainment. He is the Honorary Director of the Technical Education & Research Institute (TERI), Ghazipur, UP, India, a Broadcaster, Consultant, Visiting professor, and academician. He is a consultant to **Gerson Lehrman Group,** a New York-based consulting firm, a "platform for professional learning," connecting businesses and people to experts to solve problems. He is also a Consultant to VisasQ (VQ), an expert network service based in Japan.

He is a former Addl. Director General of All India Radio and Doordarshan (IBS officer of Higher Administrative Grade of Govt. of India). Dr. Srivastava was Chairman of the Institution of Electronics and Telecom Engineers (IETE), New Delhi during 2004-2006. He has been a member of the governing council. consultant and Visiting Professor at several Universities and colleges.

His areas of interest are Information Systems, Digital storage, Multimedia Broadcasting, and Broadcast applications for the enrichment of the lives of the poor and marginalized. He is keenly associated with the expansion of Community Radio, IT, and new media for education and social causes.

1. **A few pioneering works to enrich the life of the poor and marginalized are mentioned below during his career as President of the World Development Foundation, New Delhi, and Addl Director General of All India Radio & Doordarshan (public broadcasting in India).**

Sl. No.	Project details & URL	Mission target
	Organization: World Development Foundation, India **https://epo.wikitrans.net/World_Development_Foundation** **https://www.findglocal.com/IN/New-Delhi/334283153285566/World-Development-Foundation#google_vignette**	
1	Development of a Cost-Effective Solution for Community Radio Station and its Deployment for Education & Livelihood Generation in cooperation with MCIT, Govt. of India https://wdfindia.in/gallery.htm under the heading, "Deployment of five Community Radio Stations funded by Media Lab Asia, Ministry of Communication & IT, GOI"	Five community radio stations were commissioned in different linguistic regions to deliver targeted knowledge on innovative farming techniques and essential health and hygiene practices in **five states of India**. This empowered poor and marginalized villagers to improve their livelihoods and build a healthy future for their communities, as evidenced by the positive outcomes of our post-implementation surveys.
2	Agriculture Knowledge Dissemination System in cooperation with Bihar Govt. Project: https://wdfindia.in/ANDS.pdf https://en.wikipedia.org/wiki/Bihar_Agricultural_University	Interactive Knowledge Dissemination to Poor and marginalized farming communities **in the State of Bihar, India** in areas of agriculture, health, and livelihood generation
3	Establishment of seven radio stations in cooperation with MCIT, Federal Republic of Ethiopia (Africa) https://en.wikipedia.org/wiki/Community_radio (under country heading Ethiopia) https://wdfindia.in/ethiopia.htm	The mission was to utilize the power of community radio to bridge the knowledge gap in remote areas. The station broadcasts programs that empower and educate **people in Ethiopia** on democracy, new agricultural methods, and essential health and hygiene practices, fostering a sustainable path to improved livelihoods.
4	Establishing about 25 radio stations in different parts of India https://wdfindia.in/client.htm	Enriching the life of poor and backward people in different parts of India
5	Establishing two radio stations in Nepal	Enriching the life of poor and backward people in **Nepal**
6	Use of Innovative Hybrid Radio system for online education during the COVID pandemic.	**Online interactive course delivery during COVID** and beyond using CRS and internet-based delivery of courses to students of the university and affiliated colleges.

	Organization: All India Radio & Doordarshan (National Broadcaster of India)	
7	Established an IT department, laying the groundwork for a modernized broadcasting infrastructure in India (1982).	Pioneered the establishment of computers in AIR, DD, and other Ministry departments. Established AIRNET for networking. Initiated computer-based news delivery and the 1991 election count.
8	Establishment of a Public Sector Company, BECIL, and AIR Resources	Formulated and piloted the proposal for BECIL, a public-sector undertaking. Established and headed the AIR & DD Resources Division that facilitates infrastructure sharing between AIR, Doordarshan, and private broadcasters to expand broadcasting in the country.
9	Policy formulation of Community Radio Stations (CRSs) in the country https://en.wikipedia.org/wiki/Community_radio https://wdfindia.in/community.htm	Recognizing its potential for social upliftment, enacted the Government of India Act for Community Radio in India (2002). Helping masses, NGOs, SHGs, Universities, etc.
10	Implementing Education Channel in India (*Gyanvani and Gyandarshan*) https://en.wikipedia.org/wiki/Gyan_Vani http://www.ignou.ac.in/ignou/aboutignou/broadcast/3	Education is the foundation for a better future. Played a key role in establishing the online distance education system for Indira Gandhi National Open University, the **world's largest distance learning institution** (2001).
11	Implementing Agriculture Chanel (*Kisanvani Channel*)	Enhancing agricultural practices in India by establishing a nationwide platform within the Ministry of Agriculture for disseminating agricultural broadcasts across the country through the AIR/TV network.

	Organization: Asia-Pacific Institute of Broadcasting	
12	Proposal for 'Computer Based Class Room and CAI Facilities' for Asia-Pacific Institute for Broadcasting Development, Kuala Lumpur	Improving education in Asia- Pacific region

2. Inventions & Trade Mark

o Dr. Srivastava pioneered a novel **Broadcast Markup Language** (BML). BML is an XML-based schema designed for authoring Interactive Television (ITV) content. It incorporates embedded hyperlinks, enabling WebTV users to seamlessly navigate external websites directly from their television screens. This invention subsequently evolved into a de facto standard for Digital Television Broadcasting (DVB), marking a significant **turning point by ushering in a new era of interactive digital broadcasting on a global scale.**

> **References:**
> ➢ Srivastava, Hari Om (January 2002). Interactive TV Technology and Markets. Artech House. p. 170. ISBN 978-1-58053-321-8. (Content Development. Chapter 4)
> ➢ https://en.wikipedia.org/wiki/Broadcast_Markup_Language

o **Dr. Srivastava developed an innovative system called "Cloud Radio" for education**: Here is a breakdown of the technical aspects:

> ➢ **Invention:** Dr. Srivastava's invention is the underlying system that enables lectures to be delivered over a university-specific network (not the internet), facilitating the conversion of a traditional university into an e-university.

The system itself offers the following functionalities:

> ➢ **Lecture Streaming:** Lectures are streamed over a university-controlled network, allowing students to access them from anywhere within the university premises, including hostels.

> ➢ **Mobile Reception:** Students can use their mobile devices as receiving units, eliminating the need for an internet connection.

> ➢ **Lecture Recording:** The system enables students to record lectures for later reference.

> ➢ **Interaction with the teacher:** The provided system permits real-time interaction with the teacher during lectures.

> **Reference:**
> ➢ https://www.worlddevelopmentfoundation.in/wp-content/uploads/2019/12/TM.pdf

3. Education

Sl. No.	Degree awarded	University	Subject	Year
1	Master of Science	Gorakhpur University, India	Physics (Electronics)	1967
2	Doctor of Philosophy	Poorvanchal University, India	Chemistry	1996
3	M. Phil	BITS Pilani, India	Information System	1997
4.	Doctor of Philosophy	BITS Pilani, India	Information System	1999
5	D. Lit. Honoris Causa	KEISIE International University, South Korea	Management	2017

4. Major Professional Training

Sl. No.	Training details	Institute	Year
1	Satellite transmission	ISRO/AIBD, Malaysia	1982
2	Financial Management	Indian Institute of Public Administration, India	1983
3	Management of Training	Royal Institute of Public Administration, London	1984
4	Computer-Aided Design	NHK, Japan	1987
5	Computer networking	Norsk Data, Norway	1987

5. International consultancy as expert

Dr. Srivastava worked as a **Commonwealth Expert** in 1991 and **ITU Expert** in 1992 in Malaysia. He taught "computer-based archives management" and "Computer-based inventory management" to broadcasters from Asia-Pacific countries including Malaysia, Singapore, India, Iran, China, Sri Lanka, Indonesia, etc.

6. Visits of countries

Dr. Srivastava has extensively traveled worldwide. In addition to exploring remote areas within India, he has journeyed abroad 60 times, visiting 29 different countries around the globe.

7. Awards & Recognitions

Dr. Srivastava received Six international and a *lifetime achievement award* for contribution to the field of broadcasting namely the Dr. S. N. Mitra award for the year 2001 from the Institution of Electronics and Telecommunication Engineers, India. Dr. Srivastava was selected "Marquis World's Who's Who in the World 2001". Earlier, he was declared International Who is Who for the year 1998. The details of a few awards are listed below.

• Lifetime achievement award for most significant contribution in the field of Broadcasting by the Institution of Electronics & Telecommunication Engineers (India).

- Asia Pacific Broadcasting award for the years 1984, 1985, 1986, 1987, 1988 & 1990 (Six times- a record so far).
- Commonwealth Expert in Malaysia in 1991.
- ITU Expert in Malaysia in 1992.
- ITU Delegate in Vietnam in 1995.
- International Who' Who 1998 & Marquis Who's Who in the World 2001.
- Chairman IETE Delhi 2004-2006
- Declared Ghazipur Gaurav (Pride of the place) 2009
- Bestowed with Ecumenical Medical-Humanitarian Order Knights of St John of Jerusalem in Colombo on 29/02/2017

Contact address:
Plot 5, Sector 3, Dwarka, (Behind DPS in front of BSES) Karuna Kunj,
New Delhi-110075
 Phone: 9810523668,
Email: drhosrivastava@gmail.com