

Professor R. Mahesh K. Sinha

Professor,

Department of Computer Science & Engineering and Electrical Engineering,
IIT Kanpur.

Academic Qualifications:

- Ph.D. in Computer Science, Indian Institute of Technology, Kanpur 1973
- M.Tech in Industrial Electronics (Electronics & Communication Engineering), Indian Institute of Technology, Kharagpur, 1969
- M.Sc.Tech in Electronics and Communication, University of Allahabad, 1967

Employment History:

- Dec. 1975- Continuing : Professor / AP, Computer Science & Engineering and Electrical Engineering, Indian Institute of Technology, Kanpur , India.
- 1992-95- Chairman (Head), Department of Computer Science & Engineering, Indian Institute of Technology, Kanpur , India.
- January-December 1999: Visiting Professor, Computer Science and Engineering, Michigan State University, East Lansing, USA.
- January-December 1998 : Visiting Professor, Computer Science, Wayne State University, Detroit, USA.
- June 1985- May 1987 : Visiting Professor , INRS- Telecomm., Univ. Of Quebec, Canada.
- Summer 1983 : Visiting Faculty, Division of Computer Applications, Asian Institute of Technology, Bangkok, Thailand.
- Sept. 1973- Dec. 1975 : Reader in Electrical Engineering, Institute of Technology, Banaras Hindu University, Varanasi, India.
- Aug. 1972- Aug. 1973 : Asstt. Professor, Electrical Engineering, Harcourt Butler Technological Institute, Kanpur, India.

Courses Taught:

Dr. R.M.K. Sinha is a Professor of Computer Science & Engineering and Electrical Engineering at IIT Kanpur where he has been serving for more than three decades. Dr. sinha's major research concentration has been in the areas of language technology and applied artificial intelligence. In early 70s, he worked on Devanagari OCR and was the first person to work on the topic. In late 70s and early 80s, he worked on Indian script enabling and their computer processing. He is the originator of the well known multi-lingual GIST technology / IDC, ISCII coding, INSCRIPT keyboarding and several other Indian language technology. Starting late 80s, he has been working on computer processing of Indian languages. He is the originator of AnglaBharati and AnuBharati technology for translation from English to Indian languages and vice-versa. He is a member of TDIL working group, Technical Advisory Committee of CDAC, Standardization committee, Associate and UNESCO chair in ORBICOM. He is founding president of Society for Machine Aids for Translation and Communication (SMATAC), Fellow IETE. and Senior Member IEEE. He has been a visiting professor at Michigan State University, Wayne State University, INRS Quebec and Asian Institute of Technology.

Honours & Recognition

Associate of UNESCO Chair in Communication: ORBICOM, Quebec, Canada.

Senior Member Institution of Electrical and Electronic Engineers (IEEE), USA.

Member Technical Committee of International Association of Science and Technology for Development (IASTED), Calgary, Canada.

Member Technical Advisory Committee of Centre for Development of Advanced Computing (CDAC), India.

Fellow of Institution of Electronics and Telecommunication Engineers (India).

Founder President, Society for Machine Aids for Translation and Communication (SMATAC) India.

Chairman of the Working Group on "Localisation and Language Technology Standards" under National e-Governance Program (NeGP)

◆ Outstanding Achievement Award ◆, International Institute of Informatics and Systematics, SCI ◆97 (World Multi-conference on Systematics, Cybernetics and Informatics), Venezuela.

◆ Man of the Year Award, 2001 ◆, American Biographical Institute, USA.

Listed in ◆ Men of Achievement ◆, International Biographical Centre, Cambridge, England, 13th Edition, 1989.

Adjudged Best CS Teacher, Asian Institute of Technology, Bangkok, 1983.

Offered UNESCO Chair Professor, University of Mauritius, 1995.

Chairman, Computer Processing of Asian Languages (CPAL-2) 1992, STRANS-2001, STRANS-2002, International Symposium on MT, NLP & TSS (iSTRANS)-20004.

Invited Expert on occasion of release of CD for Hindi fonts and Web-site by Smt. Sonia Gandhi, Vigyan Bhavan, June 20, 2005.

Reviewer for IEEE, IAPR, ICDAR, IETE, IE, PR, IASTED, KBCS, CSI, C-HUM, CPAL publications.

Member Selection Committees for IITs, Universities and Ministries.

Member Project Monitoring and Evaluation Committees.

Member National Standardization Committees.

National Scholarship Holder during entire academic career.

R.M.K. Sinha works primarily in the area of Applied Artificial Intelligence. He applies AI techniques to document processing, text recognition, computer vision, speech processing, natural language processing and in design of knowledge based systems. The multi-lingual GIST technology and several other packages for Indian language processing have been developed under his supervision.

He has lot of contributions towards the 1) Development of ISCII and INSCRIPT Keyboarding, 2) Development of Integrated Devanagari Computer (IDC) / Graphics and Indian Script Terminal (GIST) multilingual technology, 3) Spell-Checker design, 4) Optical Character Recognition, 5) Machine Translation, 6) Speech to Speech Translation, 7) Lexical Knowledge-Base Development.
Sinha has supervised lot of projects Titles on Vision Course, Biometrics Course, and on NLP course.

Prof RMK Sinha

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