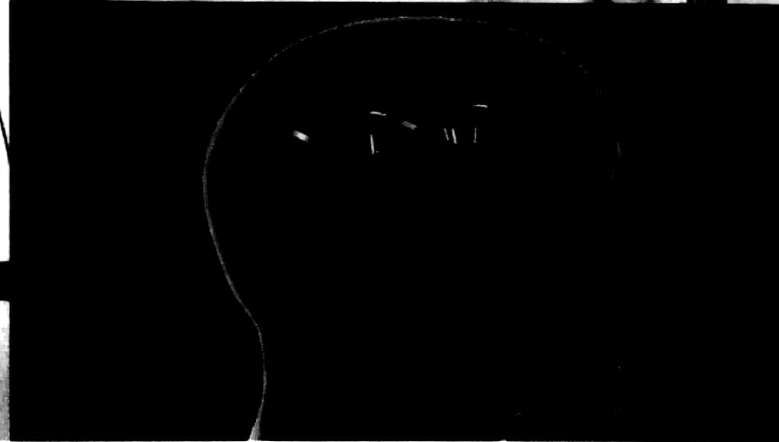# SMRS

A BOOK OF SOCIAL SCIENCES, MANAGEMENT EDUCATION, RESEARCH (ANY) AND SCIENCE EDUCATION

Editors

Dr. Omprakash H.M.   Dr. Rajashekher R. Shirvalkar

Dr. Geeta R.M.   Prof. Ameeth Ramesh Mashemade

ABOUT THE EDITORS

Dr. Omprakash H.M., M.Sc (Phy)., M.A (Psy)., M.Ed., M.Phil., Ph.D., OCORMPG.

Working as a Principal in Sri Murugha Rajendra Swamiji B.Ed and M.Ed College. Reshmi Vidya Bhavan, Kusnoor Road, Kalburagi, Karnataka, India. He has 12 years of experience in B.Ed and M.Ed College and 05 years experience in Research field. He has attended and presented more than 103 papers in many District, State, Regional, National, World and International Seminars, Conferences, Workshops, and published his paper in Journals, Magazines with ISBN, ISSN and also chaired the session in many National, International seminars and conferences, attended as a resource person in many workshops conducted by IGNOU and colleges and universities. Visited and presented papers in many universities in Sri Lank, Nepal and other countries. Published 02 Books, Edited 03 books with ISBN and ISSN numbers. He is also interested in literature and has composed more than 46 poems in English. He has invented and developed Nano-teaching (Visit website: www.nanoteaching.info), Edutain Method and Banjar Script. Represented all India wrestling Competition held at Banaras Hindu University, Varanasi, Kashi, Uttar Pradesh. His main fields of interests are: Psychology, Research Methodology and Technology.

Dr. Geeta R.M., M.A M.Ed., PGDCA, M.Phil., Ph.D.

Working as Assistant Professor and NAAC Coordinator in Sri Murugha Rajendra Swamiji B.Ed and M.Ed College, Kusnoor Road, Kalaburagi, Karnataka, India. She has 10 years of experience in teaching B.Ed and M.Ed students and guided more than 30 students for completing their dissertations. She has attended and presented papers in National and International Seminars, Conferences, Workshops, and published her papers in Journals and Edited books with ISBN and ISSN. Her interested fields are History Methodology, Educational technology and Psychology.

Dr. Rajashekhar R. Shirvalkar: M.Sc (Maths, Physics), M.Phil (Edu), NET(Edu).

He is working as Assistant Professor in Shri Murugha Rajendra Swamiji B.Ed and M.Ed College, Saraswatipura, Husnoor Road Kalaburagi, Karnataka, India. He has twelve years of Experience in teaching B.Ed and M.Ed Colleges. He has worked as Guest Lecturer at Gulbarga University, Kalaburagi. He has presented and attended the State, National and International Seminars, Conference and Workshops. He has attended as a resource person in workshop conducted on Action Research. He has guided M.Ed and M.A Education students in completing their Dissertations. He has published articles in ISBN books and ISSN Journals. He has published seven books on Education. He has designed and developed 5 Software on Education. His interested areas are Educational Technology, Measurements and tools, Research Methodology and Methodology teaching in Mathematics and Physics.

Prof. Ameeth Ramesh Mashemade MBA NET and K-SET, M.COM K-SET

Working as Assistant Professor in Reshmi Post Graduate College, RECT Kusnoor road Kalaburagi, Karnataka, India. He has 06 years of experience in teaching UG and PG. He has qualified NET in Management and K-SET in both Management and Commerce. He has attended and presented National and International Seminars, Conferences, Workshops and published his papers in Journals and Edited book with ISBN and ISSN. His interested fields are Marketing Management, Financial Management and Human Resource Management.

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The Usage and Advantages in Class Rooms through ICT in Education

Bhimappa Rangannavar
Assistant Professor, Maulana Azad National Urdu University (A Central University)
College of Teacher Education Bidar, Shaheen Nagar, Shahapur Gate, Bidar, Kranataka
Email: bhimappa10@yahoo.co.in

INTRODUCTION

Information and Communication Technology (ICT) plays a vital role in supporting powerful, efficient management and administration in education sector. It is specified that technology can be used right from student administration to various resource administration in an education institution. Rapid growth in the field of education has made governance in academic sector a very complex task. The 21 century has witnessed tremendous advancements in technology which has led to far-reaching developments in the administrative system. Cost-effective technology combined with the flexibility in learning and administrative activities is essential to enhance efficiency. "Information and Communication technology provides several facilities and possibilities for educational administrators to do their tasks". There is a mention that communication and information systems have changed the very nature of higher education, allowing information to be transferred, stored, retrieved, and processed by almost all who work, study or interact with a given institution. ICTs stand for information and communication technologies and are defined, for the purposes of this primer, as a "diverse set of technological tools and resources used to communicate, and to create, disseminate, store, and manage information." These technologies include computers, the Internet, broadcasting technologies (radio and television), and telephony. "ICT in Education" means "Teaching and Learning with ICT".

EDUCATIONAL ICT TOOLS CAN BE DIVIDED INTO 3 CATEGORIES
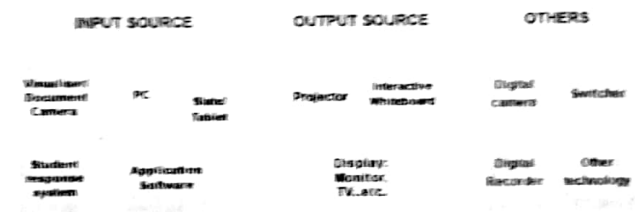

Figure 1: Input Source, Output Source And Others.

ICT can lead to improved student learning and better teaching methods and it also increase in student exposure to educational ICT through curriculum integration has a significant and positive impact on student achievement, especially in terms of "Knowledge Comprehension". "Practical Skill" and "Presentation Skill" in subject areas such as mathematics, science, and social study. However, we can see that there are many education technology solutions provided in the world which may cause confusion among educators about how to choose the right ICT solution. Let's have a look at the advantages and disadvantages of ICT tools for education and discover what kind of education ICT solution is suitable for our school needs.

MAIN ADVANTAGES OF ICT TOOLS FOR EDUCATION

- Through ICT, images can easily be used in teaching and improving the retentive memory of students
- Through ICT, teachers can easily explain complex instructions and ensure students' comprehension