

**SARDAR PATEL UNIVERSITY**  
**Programme: Master of Education**  
**Semester: II**  
**Syllabus with effect from: June 2013**

<b>Paper Code:</b> PE02EMED10	<b>Total Credits: 4</b>
<b>Title Of Paper:</b> Information and Communication Technology in Education	

Unit	Description in detail	Weightage (%)
<b>1</b>	<b>New Horizons of Information and Communication Technology in Education:</b> Recent innovations in the area of ICT <ul style="list-style-type: none"> <li>• 3G Mobile technology &amp; mobile learning</li> <li>• E-learning</li> </ul> National Mission on ICT in School Online learning, on line courses and learning management system Introduction and use of Tele conferencing, Video conferencing, country wide classroom and satellite based instruction	<b>25 %</b>
<b>2</b>	<b>Distance Education and Ict:</b> Concept of distance education Different contemporary systems of distance education <ul style="list-style-type: none"> <li>• Correspondence,</li> <li>• Distance and open learning</li> <li>• Student support services</li> </ul> Evaluation strategies in distance education Counseling methods in distance education	<b>25 %</b>
<b>3</b>	<b>Introduction to Courseware:</b> Meaning and Elements of Courseware Courseware design Organizaing the content, Organizing the presentation in e-learning environment Implications of Psychological theories of learning on courseware	<b>25 %</b>
<b>4</b>	<b>Ict and Professional Development of Teachers:</b> Application of ICT in preservice and in service Teacher Education Professional development through ICT <ul style="list-style-type: none"> <li>• Online forums</li> <li>• Net conferences</li> <li>• Tele conferencing</li> <li>• Web Conferencing</li> <li>• learning with websites &amp; Social network</li> </ul> ICT based resources: on line books & journals ICT base resources for research – Thesis & Dissertation, Online survey of Educational research	<b>25 %</b>

**Basic Text & Reference Books:**

- Adam, D.M. (1985): Computers and Teacher Training: A Practical guide, The Haworth Pren, Inc., N.Y.



- Anand Rao B. and Ravishankar: Readings in Educational Technology, Himalaya Publishing House, Ramdoot Dr. Bhalerao Marg, Bombay – 04.
- Behera, S.C. (1991): Educational Television Programmes, Deep and Deep Publications, New Delhi.
- Chauhan S S: A Text Book of Programmed Instruction. (2nd Ed). Sterling Publishers Pvt Ltd., New Delhi / Bangalore.
- Coburn, P. and et. al. (1985): Practical Guide to Computers in Education, Addison – Wesley Publishing Company, Inc.
- Das, R.C. (1993): Educational Technology – A Basic Text, Sterling Publishers Pvt. Ltd.
- Dharma, OP and Bhatnagar O.O: Educational and Communication for Development, Oxford and IBG, New Delhi.
- Evaut, M. The International Encyclopaedia of Educational Technology.
- Goldberg, Alvin and Carl E.;Larson: Group Communication, Prentice Hall, Inc. New Jersey.
- Graeme, K. (1969): Blackboard to Computers: A Guide to Educational Aids, London, Ward Lock.
- Haas, K.B. and Packer, H.Q. (1990): Preparation and Use of Audio Visual Aids, 3rd Edition, Prentice Hall, Inc.
- Harun Arrasjid and Dorine Arrasjid: Media – A pocket Guide, MSS Information Corporation, New York.
- Keith Hudson: Introducing CAL – Practical guide to writing CAL Programmes, Chapman and Hall, London.
- Khanna S.D et.al: Technology of Teaching and Teacher Behavior, Doaba House, New Delhi, 1984. Four Author: Technology of Teaching.
- Kumar, K.L. (2008): Educational Technology, New Age International Pvt. Ltd. Publishers, New Delhi (Second Revised Edition).
- Kumar, N. and Chandiram, J. (1967): Educational Television in India, New Delhi: Arya Book Depot.
- Mukhopadhyay, M. (1990): Educational Technology – Challenging Issues, Sterling Publishers Pvt. Ltd., New Delhi.
- Mukhopadhyay, M. (1990): Educational Technology – Year Book 1988, All India Association for Educational Technology, New Delhi.
- Parmaji, S. (1994): Distance Education, New Delhi: Sterling Publishers.
- Patel I.J and other: A Hand Book of Programmed Learning, CASE, Baroda.
- Rana, S. (1994): Open Learning in India, Commonwealth Publishers, New Delhi.
- Ronald H Anderson: Selecting and Developing Media for Instruction, Van Nostrand Reinhold, New York.
- Ruhela S P (2001): Some Aspects of Educational Technology.
- Sampath et. al. (1981): Introduction to Educational Technology, Sterling Publishers Pvt. Ltd.
- Sharma R A: Programmed Instruction – An Instructional Technology, Loyal Bank Depot, Meerut (UP).
- Sharma R.A: Programmed Instruction – An Instructional Technology, Goyal Book Depot, Meerut.
- Sharma, B.M. (1994): Distance Education, New Delhi: Commonwealth Publishers.
- Sharma, B.M. (1994): Media and Education, New Delhi: Commonwealth Publishers.
- Sharma, K.D. and Sharma, D.V. (1993): Open Learning System in India, Allied Publishers Ltd., New Delhi.
- Venkataiah, N. (1996): Educational technology, New Delhi: APH Publishing Corporation.
- Walter A Written and Charles F Schuller: Instructional Technology - its nature and use of A.V. Materials (5th Ed), Harper and Row Publishers, New York.

