

SARDAR PATEL UNIVERSITY
Programme: Master of Education
Semester: IV
Syllabus with effect from: December 2016

Paper Code: PE04EMD2F3	Total Credits: 4
Title Of Paper: (P-3) Educational technology for Teacher educators	

Unit	Description in detail
	<p>OBJECTIVE:</p> <p>The student will be able to...</p> <ul style="list-style-type: none"> • Develop programmed instructional materials • Evaluate programmed instructions in terms of technical aspects. • Plan and use Models of teaching in their teaching subjects. • Design instructional system along with appropriate technical aspect • Understand the role of multimedia and in Education and apply it • Synthesize the role of education technology for meaningful learning.
1	<p>EDUCATIONAL TECHNOLOGY & PEDAGOGIC CONCERNS</p> <ul style="list-style-type: none"> ➤ Pedagogy and Educational technology ➤ Multiple learning experiences and Educational technological considerations ➤ Audio, Video and Audio-Video images and presentations skills and learners involvement ➤ Organization of contents for classroom presentation and enhancing learning
2	<p>MODELS OF TEACHING</p> <ul style="list-style-type: none"> ➤ Concept of Models of teaching ➤ Different families of teaching Model ➤ Information processing family Models <ul style="list-style-type: none"> ○ Inquiry training model ○ Concept attainment model ○ Synectics model
3	<p>DESIGNING INSTRUCTIONAL SYSTEM</p> <ul style="list-style-type: none"> ➤ Formulation of instructional objectives ➤ Task analysis ➤ Designing of Instructional strategies such as lecture, team teaching, discussion, panel discussion, seminars & tutorials. ➤ Development of Evaluation tools --
4	<p>AUDIO-VISUAL MEDIA IN EUDCATION</p> <ul style="list-style-type: none"> ➤ Audio-visual media-Meaning, Importance and various forms ➤ Audio Media – Radio and Recording <ul style="list-style-type: none"> ○ its application in Education ○ its strength and limitations ➤ Visual Media – Charts, Slide etc. <ul style="list-style-type: none"> ○ its application in Education



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| <ul style="list-style-type: none"> ○ its strength and limitations ➤ Audio-Visual Media : T.V., Video recording and CCTV <ul style="list-style-type: none"> ○ its application in instruction & training ○ its strength and limitations |
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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, Himalay Publishing House, Ramdoot Dr.Bhalerao Marg, Bombay – 04.
- Behera, S.C. (1991): Educational Television Programmes, Deep and Deep Publications, New Delhi.
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- 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.
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- 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.

