

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

Paper Code: PE01EMED09	Total Credits: 4
Title Of Paper: Educational Technology	

Unit	Description in detail	Weightage (%)
1	Introduction to Educational Technology: Meaning and scope of E.T. Forms of Educational Technology <ul style="list-style-type: none"> • Behavioural technology • Teaching technology • Instructional technology Components of Educational technology software – Hardware concept Introduction to major institutions of Educational technology in India : CET, EMRC, IGNOU	25 %
2	System Approach: Concept of system and system approach System approach in Educational technology and its features System approach to education and its components: -- Goal setting, Task analysis, Content analysis, context analysis and Evaluation analysis System approach for class room and self learning	25 %
3	Instructional Design: Instructional design : Concept and meaning Process and Stages of Development of Instructional design Instructional design for competency based teaching Instructional design for developing self learning material	25 %
4	Modalities of Teaching: Difference between : <ul style="list-style-type: none"> • Teaching and instruction • Conditioning & Training Stages of teaching – Preactive, Interactive, and Post-active Teaching at different levels – memory, understanding and reflective Modification of teaching behavior : <ul style="list-style-type: none"> • Micro teaching • Flander’s Interaction analysis • Simulation 	25 %

Basic Text & Reference Books:

- Gagne, R. M., & Driscoll, M. P. (1988). Essentials of learning for Instruction. (2nd ed.). Englewood Cliffs, NJ: Prentice- Hall.
- Gerlach, V. S. & Ely, D. P. (1971). Teaching and Media: A Systematic approach. Englewood Cliffs, NJ: Prentice - Hall.



- Hackbarth, S. (1996). The Educational Technology Handbook. Egnlewood Cliffs, NJ : Educational Technology Publication.
- Kumar, K. L. (1996). Educational Technology. New Delhi: New Age Int.
- Perciyial, F. & Ellington, H. (1984). A handbook of Educational Technology. London : Koran Page.
- Richey, R. (1986). The Theoretical and Conceptual base of Instructional Design. London : Kogan Page.
- Romiszowski, A. J. (1986). Developing auto-instructional material. London : Kogan Page.
- નાયક, જયેશ એ. (૧૯૯૪). ગણિત શિક્ષણની આધુનિક દિશા. સુરત, ગજાનન પુસ્તકાલય.
- શાહ, દીપીકા ભ. (૧૯૯૫). શૈક્ષણિક પ્રૌદ્યોગિકી. અમદાવાદ : યુનિવર્સિટી ગ્રંથ નિર્માણ બોર્ડ.
- શાહ, ગુ. (૧૯૮૬). શૈક્ષણિક મનોવિજ્ઞાનમાં અધ્યયનમીમાંસા. અમદાવાદ : યુનિવર્સિટી ગ્રંથનિર્માણ બોર્ડ.

