



# **SNDT Women's University**

**Shreemati Nathibai Damodar Thackersey Women's University**

## **Prospectus**

**Master of Arts / Master of Science (eLearning)  
M.A. / M.Sc. (eLearning)**

**2018-20**



**Department of Educational Technology**

**SNDT Women's University**

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Activity-based learning



ePortfolio: Showcasing your own projects



Interactive Multimedia Package Development

# Department of Educational Technology

## Genesis

The Department of Educational Technology (DET) was established in 1973 as a department of Audio-Visual Education. In the year 1984, the nomenclature was changed to the Department of Educational Technology. Initially the DET provided services to its sister institutions under SNDT Women's University. Later on DET conducted various types of training programmes and workshops for teachers / trainers, developed teaching aids, learning material, conducted research in education with special reference to Educational Technology, collaborated with the distance and Open learning movement in SNDTWU as well as at National level.

It offered its first Post Graduate Diploma in Educational Technology in the year 1995 and Master level programme in 2001. DET announced its M.A. in Educational Technology from June 2013. The same was offered under nomenclature M.A. in eLearning from the year 2017 as per UGC approval. We are happy to announce that we are offering M.Sc. (eLearning) degree programme to graduates from faculty of Science and Technology from the year 2018-19. Rest of the candidates will be admitted to M.A. (eLearning) programme.

Department has qualified and expert faculty. It also invites visiting faculty from reputed organizations.

## Goals

- ❖ To provide support to educational institutions in enhancing the quality of teaching-learning process.
- ❖ To fulfill the national need for trained Instructional Designers and researchers in the field of Educational Technology.
- ❖ To develop expertise in developing good quality educational courseware.

## Programmes offered by the Department

Department offers following academic programmes:

- Ph.D. in Educational Technology
- Master of Arts / Science in eLearning (M.A./M.Sc. eLearning)
- Post Graduate Diploma in Instructional Design (PGDID)
- 4-credit Course in 'Instructional Design' through Online mode

## **Research Activities**

The Department has conducted research studies at State, National as well as at International level in the area of Educational Technology. It has received financial assistance from various national as well as international organizations such as UNICEF, World Bank, UNDP, MHRD, Commonwealth of Learning (COL) Canada, Oxford University Press, British Council, etc.

Thrust Areas of Research are Individualization in Education, Evaluation of educational projects and institutions, Use of Information & Communication Technology (ICT) in learning, Co-operative and Collaborative Learning, Blended Learning, eLearning, m-Learning, Open Education, Satellite Communication, Web-based tools, Constructivist approach, etc.

## **Faculty**

The Department has its own full time qualified and experienced faculty. Faculty members are actively involved in various research and development activities both at national and international level.

## **Visiting Faculty**

The University has been receiving support from Educational and Research organizations. The talented and experienced professionals from well-known institutions support the course as visiting faculty. Professors from the Universities abroad as well as eLearning experts from Indian eLearning industries interact with the department. Several expert Instructional Designers working on various projects are associated with the department.

## **Extension Activities of the Department**

Department organises several workshops/ training programmes in educational technology for teachers, trainers at all levels (from pre-primary to higher education) as well as for public and private sector organizations. Some of the topics include instructional design, ICT in education, preparation of self-learning material, Open and Distance Learning material, development of eContent, co-operative learning, cognitivist-constructivist strategies, etc.

## **Services to other University Departments and outside Institutions**

Since its inception in 1973 the Department is offering services to other departments of the university as well as outside educational institutions in developing educational media, use of equipment etc. Department has also been developing Computerized Presentations for the University Programmes. Department conducts training workshops for the SNDTWU faculty as well as provides scaffolding for offering courses through blended and online mode. Faculty of the Department are also invited by many Universities and organizations on their Academic, Advisory boards.

## **Development**

DET has developed expertise in development of Interactive Multimedia as well as Online courses.

- ✦ Online eContent modules of about 360 hours for teacher-trainers are developed by the DET under the NMEICT project of MHRD, New Delhi.
- ✦ The department has also delivered 80 Learning Objects to CIET-NCERT, New Delhi and 50 Learning Objects to SIET, Pune.
- ✦ DET has developed 100 Interactive Multimedia packages, each of about 2 hours duration and 100 Learning Objects for MKCL, Pune.
- ✦ DET has developed 30 Interactive Multimedia packages for Community Aid and Sponsorship Programme (CASP), an International NGO.
- ✦ DET has developed several Open and Distance Learning Modules in subjects such as Educational Technology, Instructional Technology and Computer Assisted Instruction.
- ✦ At present the Department is funded for establishing Teaching Learning Center (TLC) under the prestigious Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) by MHRD.

## **Infrastructure**

The department is well-equipped with air-conditioned computer labs, wi-fi connectivity, data-projectors, Interactive panel, etc. The department has developed state-of-the-art eLearning Centre comprising of audio and video recording studios with editing facilities.

## **Library**

The University has resourceful libraries on all its campuses with huge online database. The department also maintains its own collection of books and reports etc. which are made available to the students. The DET library possesses more than 400 books and several research reports to refer, which are exclusively available for DET students.

# Master of Arts / Science in eLearning

## M.A. / M.Sc. eLearning

*(M.A. / M.Sc. eLearning degree granted by the University is as per notification of the UGC under Section 22(c) of the UGC Act, 1956)*

### **Objectives**

Master of Arts / Science in eLearning (M.A. / M.Sc. eLearning) programme is designed with the objective of training personnel for producing Educational Courseware. The objectives may be stated as follows:

After completing the course the student will be able to

- ❖ Apply basic concepts and theories related to learning in the Instructional Design,
- ❖ Plan instructional experience to help learners achieve objectives effectively and efficiently,
- ❖ Plan face-to-face, online as well as blended learning environments,
- ❖ Design and develop eLearning courseware,
- ❖ Undertake Research in the field of educational technology and eLearning,
- ❖ Exploit ICT facilities for co-operative and constructivist learning environments.

### **Nature of the Programme**

Today, Information and Communication Technology has penetrated every walk of life, so also in education system. Computers and internet-based resources have great potential for education, especially teaching, learning and evaluation processes. Web has offered many new tools, which make these processes interactive. Information and Communication Technology (ICT) has transformed the way people (children as well as adults) learn.

The Master of Arts / Science in ELearning (M.A. / M.Sc. eLearning) programme is designed with a view to blend the skills and expertise in both, the Educational Technology and Information and Communication Technology.

Development of Interactive eContent and e-Learning are rapidly growing areas and there is a dearth of expert personnel. ICT plays major role not only in Higher Education, but also in school education. There is a need for educational (curriculum based) packages and many institutions are looking for such trained human power. Indian Industries have already taken up the challenge of developing on-line courses for developed countries fetching great revenue to Indian industries. In this venture, industries are looking for young minds to work on Instructional Design. Due to the

fact that there was no formal course in Instructional Design, the industries were training them in-house. Master of Arts / Science in ELearning (M.A. / M.Sc. eLearning) will provide an opportunity to get formal and rigorous training in Instructional Design and eContent development process.

The M.A. / M.Sc. eLearning is the opening for a career path as Educational Technologist and Instructional Designer. Educational Technology is a discipline of application of scientific principles and Theories of learning to make teaching-learning effective and efficient.

Educational Technologist analyses the macro and micro systems of education, teaching and training scenario and suggests innovative systems for its smooth and effective functioning. Instructional Design means designing learning situation. It may include planning of teaching-learning in the class or by using e-content, multimedia or by eLearning. How to use ICT (Information and Communication Technology), how to design online course and how to write storyboards for educational multimedia is a major focus of the Master in Educational Technology programme.

It is highly Professional programme aimed at developing skills in creating Instructional Design, eLearning environments and providing pedagogical solutions.

### ***Credit-based Modular Structure***

Master of Arts / Science in eLearning (M.A. / M.Sc. eLearning) programme is the Full Time two-years' (4 Semesters) Programme of 80 Credits. It is a Credit-based Modular programme.

A course is generally of 4 credits which is further divided into 4 modules of 1 Credit each. Semester IV has Research and Internship. One Credit requires 15 hours of Classroom interaction apart from practical work and assignments and 15 hours of self-study. It is evaluated for 25 marks.

Semester I	5 Courses	20 Credits	500 Marks
Semester II	5 Courses	20 Credits	500 Marks
Semester III	4 Courses	20 Credits	400 Marks
	Research	04 credits	100 Marks
Semester IV	2Courses	08 Credits	200 Marks
	Research	04 Credits	100 Marks
	Internship	08 Credits	200 Marks
<b>Total</b>		<b>80 Credits</b>	<b>2000 Marks</b>

## Course structure

<b>Courses</b>	<b>Internal (Marks)</b>	<b>External (Marks)</b>	<b>Total Marks</b>	<b>Credits</b>
<b>Semester I</b>				
120011 Educational Technology and Instructional Technology	50	50	100	4
120012 Learner and the Process of Learning	50	50	100	4
120013 Instructional Systems Design: Basics	50	50	100	4
120014 Open and Flexible Distance Learning System	50	50	100	4
120015 Information Technology	50	50 (Practical)	100	4
<b>Semester II</b>				
220011 Instructional System Design: Theories and Models	50	50	100	4
220012 Instructional Strategies for Face-to-face learning	50	50	100	4
220013 Online and Blended Learning	50	50 (Practical)	100	4
220014 Research Methodology	50	50	100	4
220015 OER Development	50	50 (Practical)	100	4
<b>Semester III</b>				
320011 Interactive Multimedia: Concept and Development	50	50	100	4
320012 Online Learning: Planning and implementation	50	50 (Practical)	100	4
320013 Visual Communication and Human Computer Interaction	50	50 (Practical)	100	4
320014 Modern Techniques in Educational Technology	50	50 (Practical)	100	4
320888 Research	50	50 (Practical)	100	4
<b>Semester IV</b>				
420011 Web-Application Skills	50	50 (Practical)	100	4
420012 Project Management	50	50	100	4
420888 Research	50	50 (Practical)	100	4
420999 Internship	100	100	200	8



## ***Medium of Instruction***

English

## ***Number of Teaching Days***

90 days per semester

## ***Award***

Prof. Hemlata Parasnis Gold Medal for securing the highest marks at the end of all four semesters

## ***Annual Intake***

Twenty five women candidates are selected according to the merit.

## ***Eligibility***

Women Graduates with 50% marks (45% for reserved category candidates) at graduation from recognized university will be eligible to appear for the entrance test for the admission to the first year. Provisional admission will be given to candidates whose results are awaited. In such cases, undertaking from the candidate will be essential.

Graduates from the disciplines of Arts, Commerce, Communication and Media Studies, Education, Fine Arts, Law, Library and Information Science, Management Studies, Social Sciences, etc are eligible to seek admission to Master of Arts in eLearning (M. A. eLearning) programme.

Graduates from the disciplines of Computer Applications, Engineering, Home Science, Pharmacy, Pure Sciences, Technology, etc are eligible to seek admission to Master of Science in eLearning (M. Sc. eLearning) programme.

## ***Admission Procedure***

Admissions will be on first-cum-first serve basis, provided candidate clears in Entrance test.

Entrance test on English Language skills:

Section I : 10 marks for Multiple Choice Questions

+

Section II : 10 marks for Essay type answer

Duration: Half hour

Passing percentage: Minimum 40% (35% for reserved category candidates)

(Passing separately in both the sections is mandatory)

The test can be taken on any working day on-demand as and when candidates approach for admission. The candidate will be intimated about her status of admission within 3 working days after the test. Once 13 seats (50%) for open category get filled in, remaining seats, if vacant, will be allotted to open category candidates only after the last date of admission within 5 working days.

### ***Allocation of Seats***

Reserved category seats are given as per government rules fulfilling the basic criteria of eligibility.

### ***Fee Schedule***

9-20 is as follows:

1 <sup>st</sup> Year (Sem I and II combined)	2 <sup>nd</sup> Year (Sem III & IV combined)
Rs. 18265/-	Rs. 19440/-

\* fees are subject to change

All deposits are refundable only upto December 31<sup>st</sup> of the year of completing/ leaving the programme.

Rules for cancellation of admissions are as per the University rules.

### ***Evaluation***

#### ***Repeating Internal Evaluation***

Students who fail in the internal component of courses are required to apply to the Department of Educational Technology to enable them to reappear in the internal

assessment. This application should be made within one month of the start of the semester in which the student wishes to reappear.

All rules pertaining to ATKT and time limit to clear the backlog apply. An internal assessment fee of Rs. 500/- will be charged for each course in which student wishes to reappear for internal evaluation.

### ***Practical***

Each student will have to work independently for her submission of work.

### ***Duration of External Examination***

Duration of Examination of each Theory subject (50 marks) shall be 2 hours.

### ***Evaluation of Project of Semester IV***

#### *Modality*

Internship: 50% Internal and 50% External

Designated examiners would do the evaluation through the presentation of internship projects. The project reports should be submitted to the department at least two weeks before the presentation. Final reports should be submitted within a week after presentation.

#### *Duration*

Every student shall make a presentation of about 20 minutes followed by discussion of about 10 minutes.

### ***Research Evaluation***

Every student shall submit to the department within a month of the start of the third semester proposal of the study that would be carried out by her and has to be approved by a panel of two faculty members.

The students shall submit concept paper, review of related studies and research tools during semester II. The internal evaluation will be towards 4 credits for the semester. The data collection procedure and report-writing will be carried out during semester IV. The external evaluation will be done by one external examiner and at least one internal examiner during the viva which will be maximum of 45 minutes including both the presentation and the discussion. 4 credits of this semester will be

allotted by 50% Internal (50% for the process evaluation) and 50% External (final viva).

### **Report**

A student shall submit to the department two copies of the report of her research atleast 2 weeks before the final presentation. Two copies of the final hard-bound dissertation report will be submitted within a week after the viva.

### **Passing Criteria**

- (a) 40 % each in internal and external assessment
- (b) Awarding the class would be done at the end of the Fourth semester based on the aggregate of all the semesters irrespective of the number of attempts to pass a course.

<b>Marks</b>	<b>Grade</b>	<b>G.P.</b>
90 - 100	O+	10.00
80 - 89.99	O	9.00
70 - 79.99	A+	8.00
60 - 69.99	A	7.00
55 - 59.99	B+	6.00
50 - 54.99	B	5.50
45 - 49.99	C	5.00
40 - 44.99	P	4.00
Below 39.99	F	

### **Conversion Table for GPA**

<b>Range of GPA</b>	<b>Average Grade</b>	<b>Meaning of Grade</b>	<b>Meaning of range of marks in %</b>
10.00	O+	Outstanding	Distinction
9 - 9.99	O	Exemplary	Distinction
8 - 8.99	A+	Excellent	Distinction
7 - 7.99	A	Very Good	First class
6 - 6.99	B+	Good	First class
5.50 - 5.99	B	Above average	Second class
5 - 5.49	C	Average	Second class
4 - 4.99	P	Poor	Pass class
Below 4	F	Fail	Fail

## ***Requirement to Keep Terms***

The following rules regarding passing in examination and ATKT are applicable.

A student is allowed to keep a backlog (uncleared courses) of 1 course in each semester. However, one gets only three attempts to clear a course including the first attempt i.e. a maximum of one year to clear the backlog after which she has to leave the course.



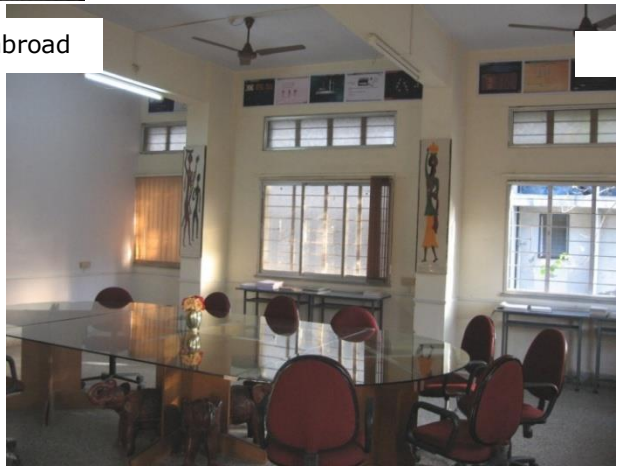
State-of-the art desktops in classrooms



Fun while learning



Interactions with resource persons from abroad



Conference room



Teaching-learning material



Beautiful and informative infrastructure