



# **SNDT Women's University**

## **Department of Educational Technology**



### **Prospectus**

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

**2024 - 25**



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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 and celebrated its Golden Jubilee in the year 2023-24. DET has conducted various types of training programmes and workshops for teachers / trainers, developed teaching aids, and learning material, conducted research in education with special reference to Educational Technology, and collaborated with the distance and Open learning movement in SNDTWU as well as at the 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. (Educational Technology) in June 2013. The same was offered under nomenclature M.A. (eLearning) from the year 2017 as per UGC approval. We currently offer M.A. as well as M.Sc. (eLearning). Those who graduate from the streams of Science, Computer Applications and Technology are admitted to M.Sc. (eLearning) programme, whereas those who graduate from the streams of Arts, Commerce, Management, Media, etc. can seek admission to M.A. (eLearning) programme.

The department has qualified and expert faculty recognized at the National and International level. DET also invites visiting faculty from reputed organizations.

## Goals

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

## Programmes offered by the Department

Department offers the following academic programmes:

Ph.D. in Educational Technology  
Master of Arts / Science in eLearning (M.A./M.Sc. eLearning)  
Post Graduate Diploma in eLearning (PGDeL)  
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, MOE, 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, cooperative 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, and 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, cooperative learning, cognitivist-constructivist strategies, etc.

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

The department conducts training workshops for the SNDTWU faculty as well as provides scaffolding for offering courses through blended and online modes. Faculty of the Department are also invited by many Universities and organizations on their Academic, Advisory boards. Department of Educational Technology has undertaken the responsibility of organizing FDPs and NEP-2020 Orientation programmes under the Malaviya Mission Teacher Training Centre (MMTTC) established by the Ministry of Education, GoI, New Delhi. We trained 2000+ higher education faculty through Teaching Learning centre established under PMMMTC scheme of MoE before the MMTTC.

## **Development**

DET has developed expertise in the 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 in 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.
- ✚ DET has developed eContent for higher education faculty training under its Teaching Learning Center (TLC) under the prestigious PMMMNTT) by MoE.

## **Infrastructure**

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

## **Library**

The University has resourceful libraries on all its campuses with huge online databases. 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)*

### ***Programme Outcomes***

After completing this programme successfully, learners will be able to

- Understand the scope of the field of educational technology in India and Abroad
- Develop the Instructional Design document
- Design storyboards for interactive eContent
- Develop and share Open Educational Resources
- Generate knowledge by co-creation
- Conduct research study on an identified topic related to the field of educational technology and/or eLearning
- Acquire first-hand experience of the field of instructional design through internship
- Develop own's ePortfolio

### ***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 an 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***

M.A. / M.Sc. eLearning is a two-year (4 Semesters) Full-Time Programme of 88 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	6 Courses	22 Credits	550 Marks
Semester II	6 Courses	22 Credits	550 Marks
Semester III	5 Courses	18 Credits	450 Marks
	Research	04 credits	100 Marks
Semester IV	3 Courses	08 Credits	200 Marks
	Research	06 Credits	150 Marks
	Internship	08 Credits	200 Marks
<b>Total</b>		<b>88 Credits</b>	<b>2200 Marks</b>

## Course structure

### Year I

SN	Courses	Type of Course	Credits	Marks	Int	Ext
<b>Semester I</b>						
111211	Educational Technology & Curriculum Development	Major (Core)	4	100	50	50
111212	Basic Instructional Systems Design	Major (Core)	4	100	50	50
111223	Information Technology and Graphic editing	Major (Core)	4	100	50	(Pract) 50
111214	Learning Theories	Major (Core)	2	50	0	50
	Sustainable Development Goals	Open (Elective)	2	50	50	0
	21 <sup>st</sup> Century Skills	Open (Elective)	2	50	50	0
	OR SWAYAM/ Coursera/ EdX/ NPTEL MOOCs OR CHETNA courses OR CBCS Courses	Open (Elective)				
131211	Basics of Research Methodology	Minor Stream (RM)	4	100	50	50
			<b>22</b>	<b>550</b>	<b>300</b>	<b>250</b>
<b>Semester II</b>						
211211	Instructional Design: Models & Theories	Major (Core)	4	100	50	50
211212	Instructional Strategies and Approaches	Major (Core)	4	100	50	50
211223	Open Educational Resources	Major (Core)	4	100	50	(Pract) 50
211214	Basics of eLearning	Major (Core)	2	50	50	0
	NEP-2020 for Multidisciplinary Higher Education	Open (Elective)	2	50	0	(Pract) 50
	NEP-2020 for Digitization and Research in Higher Education	Open (Elective)	2	50	0	(Pract) 50
OR 221212	OR SWAYAM/ Coursera/ EdX/ NPTEL MOOCs OR CHETNA courses OR CBCS Courses					
241241	Internship	OJT	4	100	50	50
			<b>22</b>	<b>550</b>	<b>250</b>	<b>300</b>

\* Elective for M.A./M.Sc. eLearning students #CBCS for students from other Departments  
Exit option (44 credit): Post Graduate Diploma in eLearning

## Year II

SN	Courses	Type of Course	Credits	Marks	Int	Ext
<b>Semester III</b>						
311211	Interactive Multimedia: Concept and Development	Major (Core)	4	100	50	(Pract) 50
311212	Online Learning: Planning and implementation on LMS	Major (Core)	4	100	50	(Pract) 50
311213	Modern Techniques in Educational Technology	Major (Core)	4	100	50	(Pract) 50
311224	Visual Communication and ePortfolio	Major (Core)	4	100	50	(Pract) 50
361221	Language Communication Skills * OR OR Respec tive Code SWAYAM/ Coursera/ EdX/ NPTEL MOOCs OR CHETNA courses OR CBCS Courses	Major (Elective)	2	50	50	0
351221	Research Project	RP	4	100	50	(Pract) 50
			<b>22</b>	<b>550</b>	<b>300</b>	<b>250</b>
<b>Semester IV</b>						
411211	Web-Application Skills	Major (Core)	4	100	50	(Pract) 50
411212	Disruptive Technologies for Education	Major (Core)	2	50	50	0
421211	Project Management * OR OR Respec tive Code SWAYAM/ Coursera/ EdX/ NPTEL MOOCs OR CHETNA courses OR CBCS Courses <i>related to</i> Educational Technology, eLearning, Education, Special Education & ICT	Major (Elective)	2	50	0	(Pract) 50
451231	Research	RP	6	150	50	(Pract) 100
441241	Internship	OJT	8	200	100	(Pract) 100
			<b>22</b>	<b>550</b>	<b>250</b>	<b>300</b>

\* Elective for M.A./M.Sc. eLearning students

*Assessment strategies to be used for "Practical external" are: Lab practical of software, Presentation/Seminar/Workshop evaluation, product evaluation, Viva Voce, etc. by external examiners. Theory papers are not to be set for these courses.*

***Medium of Instruction:*** English

***Number of Teaching Days:*** 90 days per semester

### ***Award & Scholarship***

Prof. Hemlata Parasnis Gold Medal for securing the highest marks amongst all Masters' level programmes at the end of all four semesters

Seth Laxmanprasad Urmila Poddar Girls Education Charitable Trust, Mumbai has generously instituted merit scholarship for some deserving students of this program.

### ***Annual Intake***

Twenty women candidates together for M.A./ M.Sc. (eLearning) are selected according to the merit.

### ***Eligibility***

- Women graduates in any subject with min 50% marks (45% for reserved category) from recognized university
- Minimum 47% marks at graduation if secure first class at post-graduation or B.Ed.
- Min 50% marks in English competency-based entrance test
- 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 : 08 marks for Multiple Choice Questions

+

Section II : 12 marks for Essay type answer

Duration: Half an hour

Passing percentage: Minimum 50% (45% 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 10 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***

1 <sup>st</sup> Year (Sem I and II combined)  Rs. 30310/-	2 <sup>nd</sup> Year (Sem III & IV combined)  Rs. 29490/-
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\* fees are subject to change, fee payment in instalment is possible

*All deposits are refundable only upto December 31<sup>st</sup> of the same 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.

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

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

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

#### ***Modality***

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.

### ***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 30 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 at least 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



State-of-the Art Professional Media Studio



Conference room



Teaching-learning material



Beautiful and informative infrastructure