



SNDT Women's University

Undergraduate Diploma / UG Programme

As Per NEP – 2020

**Diploma in Ophthalmic Technology**

Faculty of Science and Technology

(Revised 2025-Regular)

Program Code: -

# Program Template

<p>Programme Outcomes</p>	<p>At the end of the program, student will be able to-</p> <p><b>PO1: Basic and Discipline-Specific Knowledge:</b> Apply knowledge of basic medical sciences and ophthalmic technology to identify and solve routine clinical problems in the field of eye care.</p> <p><b>PO2: Professional Skills:</b> Demonstrate proficiency in performing ophthalmic diagnostic procedures, assisting in clinical and surgical settings, and handling ophthalmic equipment effectively.</p> <p><b>PO3: Problem Analysis:</b> Identify and analyze well-defined ophthalmic problems using scientific principles and diagnostic methods to support patient care and referral.</p> <p><b>PO4: Health and Safety Practices:</b> Apply appropriate health, safety, and infection control practices in clinical and laboratory environments as per established medical standards.</p> <p><b>PO5: Communication:</b> Communicate effectively with patients, ophthalmologists, and healthcare team members using verbal, non-verbal, and written skills while maintaining empathy and professionalism.</p> <p><b>PO6: Ethics and Responsibility:</b> Exhibit professional ethics, responsibilities, and norms of ophthalmic practice including patient confidentiality, informed consent, and respect for patient rights.</p> <p><b>PO7: Life-Long Learning:</b> Recognize the need for and engage in lifelong learning to keep pace with evolving technologies and practices in the field of ophthalmology and healthcare.</p>
<p>Programme Specific Outcomes</p>	<p>At the end of program, the student should be able</p> <p>such as visual acuity testing, tonometry, perimetry, and biometry in both clinical and outreach settings.</p> <p><b>PSO2</b> – Be able to associate theoretical knowledge with</p>

	<p>practical applications in areas like ocular pharmacology, infection control, surgical assistance, and equipment handling.</p> <p><b>PSO3</b> – Have the ability to comprehend advancements in ophthalmic technologies and utilize modern diagnostic tools to support quality eye care services.</p> <p><b>PSO4</b> – Have adaptability to work in multidisciplinary healthcare environments with strong interpersonal skills, professional ethics, and a sense of societal responsibility in promoting eye health.</p>
Eligibility Criteria for Programme	As Per DTE Maharashtra Guidelines
Year 1 (44 Credits) Exit option	<p>Certificate in Ophthalmic Technology</p> <p>A student who successfully completes the first year of the Diploma in Ophthalmic Technology program, earning 44 credits, is eligible to exit with a Certificate in Ophthalmic Technology. The learner will have acquired foundational skills in basic of Ophthalmic technology.</p> <p>As part of the credit requirement, the student must complete one On-the-Job Training (OJT) or Skill Module worth 8 credits (240 hours) in the Ophthalmic Technology or allied subjects, approved by the Department of Ophthalmic Technology This practical module is mandatory and must be completed to qualify for the exit certificate.</p>
Year 2 (88 Credits) Exit Option	<p>Advanced Certificate in Ophthalmic Technology</p> <p>A student who successfully completes the second year of the Diploma in Ophthalmic Technology program, earning 88 credits, is eligible to exit with an Advanced Certificate in Ophthalmic Technology</p> <p>The student will have developed applied competencies in visual optics and refraction, contact lens and Optical Dispensing.</p> <p>To qualify for this exit, the student must successfully complete a Short-Term Industrial Exposure / Internship (minimum 8 weeks) approved by the Department of Ophthalmic Technology.</p> <p>This experiential component ensures workplace readiness and must be certified for the award of the Advanced</p>

	Certificate.
Year 3 (128 Credits) Exit Option	<p data-bbox="679 297 1409 365">Diploma in Ophthalmic Technology (NSQF Level 4 and 5)</p> <p data-bbox="679 445 1398 551">A student who completes all six semesters, earning 128 credits, will be awarded the Diploma in Ophthalmic Technology</p> <p data-bbox="679 555 1418 696">The graduate will possess comprehensive expertise in modern ophthalmic diagnostic techniques, ocular instrumentation, clinical ophthalmic procedures, eye care technology, and patient assessment.</p> <p data-bbox="679 701 1406 842">The final year includes a Internship (1 year) and a Research Project, both of which must be completed and jointly certified by the academic and industry evaluators to qualify for the final award.</p>

<b>Semester</b>		<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>	<b>V</b>	<b>VI</b>	<b>Total Credits</b>
<b>Programme Core Course (PCC)</b>	<b>Program Courses</b>	<b>08</b>	<b>08</b>	<b>09</b>	<b>08</b>	--	--	
<b>Programme Elective Course (PEC)</b>		--	--	<b>02</b>	<b>02</b>	--	--	
<b>Multidisciplinary Minor (MD M)</b>	<b>Multidisciplinary Courses</b>	<b>08</b>	<b>04</b>	<b>03</b>	<b>04</b>	--	--	
<b>Open Elective (OE) Other than a particular program</b>		--	--	<b>04</b>	--	--	--	
<b>Vocational and Skill Enhancement Course (VSEC)</b>	<b>Skill Courses</b>	--	<b>06</b>	--	--	<b>04</b>	<b>04</b>	
<b>Ability Enhancement Course (AEC -01, AEC-02)</b>	<b>Humanities Social Science and Management (HSSM)</b>	<b>04</b>	--	--	<b>02</b>	--	--	
<b>Entrepreneurship/Economics/ Management Courses</b>		--	--	--	--	--	--	
<b>Indian Knowledge System (IKS)</b>		--	--	--	--	--	--	
<b>Value Education Course (VEC)</b>		<b>02</b>	--	--	<b>02</b>	--	--	
<b>Research Methodology</b>	<b>Experiential Learning Courses</b>	--	--	--	<b>02</b>	--	--	
<b>Comm. Engg. Project (CEP)/Field Project (FP)</b>		--	--	--	--	<b>08</b>	<b>08</b>	
<b>Project</b>		--	--	--	--	--	--	
<b>Internship/ OJT</b>		--	<b>02</b>	<b>02</b>	<b>02</b>	<b>08</b>	<b>08</b>	
<b>Co-curricular Courses (CC)</b>	<b>Liberal Learning Courses</b>		<b>02</b>	<b>02</b>	--	--	--	
<b>Total Credits (Major)</b>		<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>20</b>	<b>20</b>	<b>128</b>

**PREMLILA VITHALDAS POLYTECHNIC  
SNDT Women's University**

**Syllabus format**

**Revision –Dated –MARCH 2025**

Faculty Name:	<b>SCIENCE AND TECHNOLOGY</b>
Course Name:	<b>Diploma in Ophthalmic Technology</b>

**Year 1: Fundamentals of Optometry & Basic Sciences**

Sr. No.	Subjects	TH /Pr	Type of Course	Cr.	Marks	Int	Ext
10137411	Optometry and Visual Optics I	TH	PCC	4	100	50	50
10137412	Ocular Anatomy	TH	PCC	4	100	50	50
10337411	Anatomy & Physiology	TH	MDM	4	100	50	50
10337412	Physics	TH + Pr	MDM	3+1	100	50	50
10837411	Language & Communication Skills	TH	AEC	4	100	50	50
10937421	Yoga & Stress Management	Pr	VEC	2	50	0	50
		--		<b>22</b>	<b>550</b>	<b>250</b>	<b>300</b>

Scheme: <b>Semester II</b>							
Sr. No.	Subjects	TH /Pr	Type of Course	Cr.	Marks	Int	Ext
20137411	Optometry & Visual Optics – II	TH	PCC	4	100	50	50
20137412	Ocular Physiology	TH	PCC	4	100	50	50
20337421	Optometry Practicals-I	Pr	MDM	4	100	50	50
20737411	Mathematics	TH	SEC	4	100	50	50
20537421	Computer Skills	Pr	VSEC	2	50	0	50
21237421	Clinical Practice – I	Pr	OJT	2	50	25	25
21437421	IPDC 1	Pr	CC	2	50	25	25
		--	--	<b>22</b>	<b>550</b>	<b>250</b>	<b>300</b>

**Year 2: Advanced Optometry & Clinical Skills**

<b>Year 2: Advanced Optometry &amp; Clinical Skills</b>							
Scheme:	<b>Semester III</b>						
Sr. No.	Subjects	TH /Pr	Type of course	Cre dit	Marks	Int.	Ext
30137411	Optometry – III	TH	PCC	2	50	25	25
30237421	Optometry Practical-II	Pr	PEC	2	50	25	25
30137412	Clinical Ophthalmology – I	TH	PCC	3	75	25	50
30137433	Contact Lens – I	TH/P R	PCC	4	100	50	50
30437411	Ocular Microbiology & Pathology	TH	OE	4	100	50	50
30337412	Ocular Pharmacology	TH	MDM	3	75	25	50
31237421	Clinical Practice – II+ Hospital Visit	Pr	OJT	2	50	25	25
31437411	IPDC 2	TH	CC	2	50	25	25
			---	<b>22</b>	<b>550</b>	<b>250</b>	<b>300</b>
Scheme :	<b>Semester IV</b>						
Sr. No.	Subjects	TH /Pr	Type of course	Cre dit	Marks	Int	Ext
<b>40137411</b>	Optometry – IV	TH	PCC	2	50	25	25

<b>40237421</b>	Optometry Practicals	Pr	PEC	2	50	25	25
<b>40137412</b>	Clinical Ophthalmology – II	TH	PCC	2	50	25	25
<b>40137433</b>	Contact Lens – II	TH/PR	PCC	4	100	50	50
<b>40337411</b>	Orthoptics & Binocular Vision - II	TH	MDM	4	100	50	50
<b>40837411</b>	Entrepreneurship & Professional Ethics	TH	AEC	2	50	25	25
<b>41637411</b>	Research & Survey	TH	RP	2	50	25	25
<b>41237411</b>	Clinical Practice – III + Hospital Visit	Pr	OJT	2	50	25	25
<b>40937411</b>	Environmental Studies	TH	VEC	2	50	50	0
			--	<b>22</b>	<b>550</b>	<b>325</b>	<b>225</b>

Year 3: Clinical Internship							
Scheme	Semester V						
Sr. No.	Subjects	TH/Pr	Type of course	Credit	Marks	Int	Ext
<b>50537421</b>	Low Vision	Pr	VSEC	4	100	50	50
<b>51237421</b>	Clinical Internship	Pr	OJT	8	200	100	100
<b>51337421</b>	Research	Pr	FP	8	200	100	100
			--	<b>20</b>	<b>500</b>	<b>250</b>	<b>250</b>

Scheme:	<b>Semester VI</b>						
Sr. No.	Subjects	TH /Pr	Type of course	Credit	Marks	Int	Ext
<b>60537421</b>	Dispensing Optics	Pr	VSEC	4	100	50	50
<b>61237421</b>	Clinical Internship	Pr	OJT	8	200	100	100
<b>61337421</b>	Research	Pr	FP	8	200	100	100
				20	500	250	250

## Summary

Semester	Total no. of credits	Total no. of Subjects	Total no. of hours/week
Sem. I	22	6	26
Sem. II	22	7	30
Sem. III	22	8	26
Sem. IV	22	9	28
Sem. V	20		
Sem. VI	20		
	Total <b>128</b>		

22/09/2025

To  
Principal,  
P. V. Polytechnic,  
SNDT Women's University, Mumbai

**Subject:** Forwarding of Assessment Structure for First Year New Curriculum Aligned with NEP 2020

Respected Sir,

We are forwarding herewith the **Assessment Structure for the First Year New Curriculum of Department of Ophthalmic Technology**, aligned with the **National Education Policy (NEP) 2020**, to be implemented from the academic year **2025**.

The curriculum, as per NEP has been approved by the **Academic Council** as per the attached resolution. The same needs to be forwarded to **the Dean, Science & Technology, SNDTWU** for further necessary action.

Kindly find enclosed the assessment structure document for your perusal and onward submission.

Thank you.

Yours sincerely,

*Dr. Nita Jarmarwala*  
Head Department of Ophthalmic Technology  
P. V. Polytechnic,  
SNDT Women's University, Mumbai

**DRAFT**

To  
The Dean,  
Science & Technology,  
SNDT Women's University, Mumbai

**Subject:** Submission of Assessment Structure for First Year New Curriculum Aligned with NEP 2020

Dear Sir,

As per the resolution approved in the **Academic Council**, please find enclosed herewith the **Assessment Structure for the First Year New Curriculum**, aligned with **NEP 2020**, to be implemented from the academic year **2025**.

The enclosed Assessment Structure pertains to the Diploma in Ophthalmic Technology program at P. V. Polytechnic, SNDT Women's University is hereby submitted for your kind consideration and further necessary action.

Kindly acknowledge receipt.

With regards,