

**Primary Level Special Education (V.I)**

<b>Sr. No.</b>	<b>Topics</b>	<b>Content</b>	<b>Target group</b>	<b>Recourse Person</b>	<b>No. of days</b>
1.	Learning of Teaching Braille – Reading & Writing	i)Acquiring standard English Braille ii)Helping the Teachers to acquire efficiency in Hindi/regional Braille – Reading & Writing iii)Braille mathematics code iv)Developing and preparing Braille TLM and its use in teaching	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days
2	Preparation of TLM	i)Material to be used for preparing no cost/low cost TLC ii)Preparing 5 TLM and their use in teaching	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days
3	Teaching of Orientation & Mobility Skills	i)Techniques of orientation and mobility ii)Blind fold training	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days
4	Technology	i)Knowledge of various screen reading softwares ii)Demonstration of Braille production devices	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days
5	Maintenance of Braille Appliances	i)Mechanism of Brailler, Writing Slate, Tailor Frame and Abacus ii)Repairing of Braillers	Special teachers in VI	i)Teacher Educator in Special Education (VI) ii)Professional trained in maintenance of braille appliance	5 days
6	Teaching of Daily Living Skills	i)Performing 5 daily living skills under blind fold condition ii)Teaching the use of non-visual senses in daily living activities iii)Demonstration lessons on daily living activities	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days
7	Teaching of Creative Writing	i)Introduction to creative writing ii)Inculcating habits of creative writing	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days
8	Assessment and Teaching of Low Vision	i)Modern trends in assessment of low vision children ii)Developing visual efficiency iii)Teaching the use of remaining residual vision iv)Writing and Interpreting the Assessment Report	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days
9	Teaching of pre-vocational skills	i)Types of pre-vocational skills ii)Practical demonstration of teaching pre-vocational skills	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days

10	Adaptation of Text Books	1. Guideline for adapting text Books 2. Adapting one text books for primary class	Special teachers of V.I	Teacher Educator in Special Education V.I	5 days
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### Secondary Level Special Education (V.I)

Sr.No.	Topic	Content	Target Group	Resource Person	No. of Days
1	Standard English Braille	Grade II Braille with proficiency in reading, writing and teaching including various formats in Braille.	Special educators of VI and O and M instructors	Teachers Educator/ special education teacher having 10 years experience in teaching Braille.	5 days
2.	Hindi/ Regional Braille	Hindi /regional Braille with proficiency in reading, writing and teaching including various formats in Braille.	Special educators of VI and O and M instructors	Teachers Educator/ special education teacher having 10 years experience in teaching Braille.	5 days
3.	Braille mathematics and science notation	Transcribing mathematical textbooks up to class VIII into braille for all participants and the complete mathematical Braille code for maths and science teachers	Special educators of VI preference be given to registered maths and science teachers of the V.I.	Teachers Educator/ special education teacher having 10 years experience in teaching Braille.	5 days
4.	Braille music notation	Proficiency in transcribing musical notation and taal into Braille	Music teachers of the V.I.	Music teachers / special educators knowing Braille music notation and having 5 yrs. experience.	5 days
5.	Methods of teaching Mathematics and science	New developments in teaching these subjects using appropriate TLM	Special educators of VI	Teachers Educator/ special education teacher having 10 years experience	3 days
6.	Methods of teaching language and social studies	New developments in teaching these subjects using appropriate TLM	Special educators of VI	Teachers Educator/ special education teacher having 10 years experience	3 days

7.	Application of screen reading softwares	<p>Knowledge of various screen reading softwares such as-</p> <ul style="list-style-type: none"> <li>• JAWS</li> <li>• SUPERNOVA</li> <li>• SAFA</li> <li>• MAGIC</li> <li>• TALK</li> <li>• MOBILESPEAK</li> </ul> <p>Use of the above in MS-WORD, EXCEL, internet and mobilephones..</p>	Special educators of VI and O and M instructors and teacher educators of V.I.	<ol style="list-style-type: none"> <li>1. computer instructors of the visually impaired</li> <li>2. V.I. professionals having expertise in use and teaching these softwares.</li> </ol>	5 days
8.	Braille production devices and their use	<ul style="list-style-type: none"> <li>• Traditional and modern Braille embossers</li> <li>• Braille translation software</li> <li>• Tactile diagram production devices</li> <li>• Thermoform machine/ vacuum forming machine</li> </ul>	Special educators of VI, teacher educators of V.I. and professionals involved in Braille production	Professionals having 5 yrs. Experience in Braille production	3 days
9.	Daisy book production	<ul style="list-style-type: none"> <li>• Recording techniques, duplication, editing and text and speech synchronization</li> <li>• Using Daisy books on various playback systems including mobile homes.</li> </ul>	Special educators of VI, teacher educators of V.I. and professionals involved in audio book production.	Professionals having experience in Daisy book production	3 days
10.	Teaching in inclusive classroom	<ul style="list-style-type: none"> <li>• Transfer of knowledge to general teachers and school administrators</li> <li>• Resource mapping</li> <li>• Networking</li> <li>• Co-teaching/ team teaching</li> </ul>	Special educators of VI, teacher educators of V.I.	Teachers Educators of V.I.	5 days
11.	Planning transition from school to college	<p>Preparing teachers at secondary level to impart the following in visually impaired students-</p> <ul style="list-style-type: none"> <li>• Independent living skills including skills related to travel and use of public transport</li> <li>• College admission, scholarship</li> <li>• Orientation to campus facilities</li> <li>• Seeking help from University authorities and fellow students</li> <li>• Note taking</li> </ul>	Secondary level teachers of V.I. counselors and teacher educators	Teachers Educators of V.I., College and University authorities at various levels especially those connected with equal opportunity cell.	5days

		<ul style="list-style-type: none"> <li>Organizing reader and amanuensis</li> <li>Taking part in curricular and co-curricular activities</li> <li>Consumer rights</li> <li>Protection against ragging, sexual abuse and violence against women- system and procedure</li> </ul>			
12.	Resource mobilization	<ul style="list-style-type: none"> <li>Seeking community participation</li> <li>Writing a project proposal</li> <li>Preparation of strategic plan</li> <li>Writing performance report</li> </ul>	Special educators of VI, teacher educators of V.I.	Teachers Educators of V.I. and administrators	3 days
13.	Preparation and use of tactile and auditory maps	<ul style="list-style-type: none"> <li>Principles of preparing maps – auditory and tactile</li> <li>Methodology and materials required for making raised maps and audio maps</li> <li>Preparation of computer aided maps</li> <li>Orientation to modern navigation devices</li> </ul>	O and M instructors, Special educators of VI, teacher educators of V.I.	O and M professionals, teacher educators and ICT experts	5 days
14	Orientation and mobility	<ul style="list-style-type: none"> <li>Orientation and mobility for special groups- <ol style="list-style-type: none"> <li>pre-schoolers</li> <li>adventitiously blind</li> <li>visually impaired with other disability</li> </ol> </li> </ul>	O and M instructors, Special educators of VI, teacher educators of V.I.	O and M professionals, teacher educators	5 days
15.	Physical education for V.I.	<ul style="list-style-type: none"> <li>New indoor and outdoor games for blind and low vision</li> <li>Introduction to various National and International Sports Authorities and /or integrated sports.</li> </ul>	O and M instructors, Special educators of VI, teacher educators of V.I.	Professionals involved in sports and physical education	5 days
16.	National & International agencies working for persons with visual impairment	List, objectives, functions & procedure for getting benefit from them	O and M instructors, Special educators of VI, teacher educators of V.I.	Teachers Educators of V.I.	2 days
17.	Teaching geometric theorems	Proof of various theorems appearing in the geometry text books of secondary classes, use of tactile geometric kit for drawing the proof of	Special educators of VI, teacher educators of V.I.	Teachers Educators of V.I.	2 days

		various theorems, material that can be used for preparing models for use in teaching this topic			
18.	Text Book Adaptation	i) Guidelines for adapting textbooks - 2 ii) Adapting one textbook – 23	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days
19.	Maintenance of Braille Appliances	i) Mechanism of Braille, Writing Slate, Tailor Frame and Abacus – 5 ii) Repairing of Braille – 20	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days
20.	Designing and Development of Science Lab	i) Principles and guidelines for setting up of a Science Lab for Visually Impaired – 4 ii) Adapting available devices and gadgets – 10 iii) Knowledge of modern speech devices – 11	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days
21.	Teaching of Creative Writing	i) Introduction to creative writing – 5 ii) Inculcating habits of creative writing – 20	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days
22.	Class room management of low vision	<ul style="list-style-type: none"> <li>• Educational needs of low vision children - 10</li> <li>▪ Principles for adaptation of class room arrangements for low vision – 15</li> </ul>	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days
23.	Assessment and Teaching of Low Vision	<ul style="list-style-type: none"> <li>▪ Modern trends in assessment of low vision children – 4</li> <li>▪ Developing visual efficiency – 4</li> <li>▪ Teaching the use of remaining residual vision – 7</li> <li>▪ Writing and Interpreting the Assessment Report - 10</li> </ul>	Special teachers in VI	Teacher Educator in Special Education (VI)	5 days