

DETAILS OF RESEARCH PROJECTS : 2010-11 to 2014-15

DETAIL OF RESEARCH AND DEVELOPMENT PROJECTS: 2010-11

Sl. No	Name of the Project	Time Frame	Date of commencement	Date of completion	Nature of the Study	Implementing Agency	Principal Investigators	Level of Progress
1.	Hill Model of Inclusive Education for Visually Impaired Children	5 Years	April, 2007	March, 2012	Action Research	Vijaya Public School, Tunalka Village, District Uttarkashi	Sh. Y. Krupanandam, Asstt. Director (R&C)	Project is in progress.
2.	Home Based Education for Blind Mentally Challenged Children	5 Years	May, 2007	March, 2012	Action Research	NIVH Regional Chapter, Kolkata	Smt. Baby Dutta Chaudhuri, Lecturer in Education	Project is in progress.
3.	Development of a suitable Model for providing Intervention and Preschool Education	1 year	Aug. 2010	Aug, 2011	Action Research	NIVH Regional Chapter, Kolkata	Smt. Baby Dutta Chaudhuri, Lecturer in Education	Project is in progress. Completed first phase.

4.	A study of status of teaching Braille in the Universities offering B.Ed Special Education with Specialization in Visual Impairment	6 Months	June 23, 2010	Dec. 23, 2010	Applied Research	NIVH, Dehradun	Sh. Virendra Singh, Braille Development Officer	Project completed
5.	Design and Development of an On-line Braille Library	2 Years	January, 2009	March, 2012	Action Research	Saksham, New Delhi	Sh. Dipendra Manocha	Proto type developed. Field testing completed.
6.	Nature & Scope of Services for the Visually Handicapped Persons in India.	2 Years	Feb, 2010	March, 2012	Empirical Study	NAB SS Basu Training Centre, New Delhi	Sh. Y. Krupanandam, Asstt. Director (R&C)	Data collection completed in respect of 14 states. Compilation and collation has commenced.
7.	Empowerment of Visually impaired Women.	1 year	April, 2010	April, 2011	Empirical Study	NIVH Regional Centre, Chennai	Dr. Arivanandam Regional Director	The work on the first phase of the project has been completed.

DETAIL OF RESEARCH AND DEVELOPMENT PROJECTS: 2011-12

Sl. No.	Name of the Project	Time Frame	Date of commencement	Date of completion	Nature of the Study	Implementing Agency	Principal Investigator	Level of Progress
1.	Hill Model of Inclusive Education for Visually Impaired Children	5 Years	April, 2007	March, 2012	Action Research	Vijaya Public School, Tunalka Village, District Uttarkashi	Sh. Y. Krupanandam, Asstt. Director (R&C)	Project completed and consolidated as a model service functional at Village Tunalka, Distt. Uttarkashi
2.	Home Based Education for Blind Mentally Challenged Children	5 Years	May, 2007	March, 2012	Action Research	NIVH Regional Chapter, Kolkata	Smt. Baby Dutta Chaudhuri, Lecturer in Education	Project completed and consolidated as a model service functional at Regional Chapter, Kolkata
3.	Development of a suitable Model for providing Intervention and Pre-school Education	3 Years	Aug. 23, 2010	Aug., 2013	Action Research	NIVH Regional Chapter, Kolkata	Smt. Baby Dutta Chaudhuri, Lecturer in Education	Project completed and consolidated as a model service at RC, Kolkata for replication by the interested agencies.

4.	Review of Bharati Braille for aligning it to UNI Code Symbols	18 Months	March, 2012	September, 2013	Applied Research	Saksham, New Delhi	Sh. Dipender Manocha	Completed first phase. Due to technical problems, the Braille Council of India, temporarily suspended the project.
5.	Design and Development of an On-line Braille Library	2 Years	January, 2009	March, 2012	Action Research	Saksham New Delhi	Sh. Dipendra Manocha	Project completed. As an outcome, country's first online Braille library became functional on 4th January, 2012. It can be accessed as a web link www.oblindia.org on the Institute's Website.
6.	Nature & Scope of Services for the Visually Handicapped Persons in India.	2 Years	Feb, 2010	March, 2012	Empirical Study	NAB SS Basu Training Centre, New Delhi	Ms. Shalini Khanna, Director	Project completed. As an outcome online directory of services is available as a web link on the Institute's website www.nivh.gov.in
7.	Empowerment of Visually impaired Women.	2 Years	April, 2010	April, 2012	Empirical Study	NIVH Regional Centre, Chennai	Dr. Arivanandam, Regional Director	Project completed.

8.	Designing light weight non-toxic Arithmetic type for visually impaired students	2 years	April, 2011	March 2013	Product design	NIVH, Dehradun	Sh. P.M.Gautam Design & Development Officer	Prototype developed, Field trial has commenced.
9.	Designing Upward Braille Writing Frame	2 years	April, 2011	March 2013	Product design	NIVH Dehradun	Sh. P.M. Gautam Design & Development Officer	Prototype developed, Field trial has commenced
10.	Designing a Carom Board Game	2 Years	April, 2011	March, 2013	Product Design	NIVH RC, Secunderabad	Dr. Milan Dass SRO (T)	Proto type developed and first round of field testing completed.

DETAIL OF RESEARCH AND DEVELOPMENT PROJECTS: 2012-13

Sl. No.	Name of the Project	Time Frame	Date of commencement	Date of completion	Nature of the Study	Implementing Agency	Principal Investigator	Level of Progress
1	Development of unified Braille code for Hindustani Music notation.	1 year	April 2012	March 2013	Applied Research	NIVH, Dehradun	Sh. Suchit Narang	Project Completed
2	Designing light weight non-toxic arithmetic type for visually impaired students	2 years	April, 2011	March 2013	Product design	NIVH, Dehradun	Sh. P.M.Gautam Design & Development Officer	Project completed.
3	Designing a Carom Board Game	2 Years	April, 2011	March, 2013	Product Design	NIVH RC, Secunderabad	Dr. Milan Dass SRO (T)	Project completed and design failed.
4	Review of Bharti Braille	18 months	March 2012	Sept, 2013	Applied Research	NIVH, Dehradun	Sh. Virendra Singh Braille development Officer	The technical committee of the project held its meeting and recommended some steps for the work which are to be examined in the next meeting of BCI.
5	Preparing Indian languages Braille table in Open source Braille library based on Unicode table	2 years	Oct 2011	March 2013	Applied Research	Saksham Trust, New Delhi	Sh. Dipendra Minocha	The work on the project started with collection of data, However it was stopped due to some technical problems encountered by the coordinator.
6	Development of Braille Codes for the Languages of the North East States	2 years	April 2012	March 2014	Applied Research	Jyoti Sroat, Meghalaya	Mrs. Bertha Dkhar	The current practices prevailing in the schools for the blind in respect of teaching Braille were collected and being collated.
7	Designing Upward Braille Writing Frame	2 years	April, 2011	March 2013	Product design	NIVH Dehradun	Sh.P.M. Gautam Design & Development Officer	An improved prototype is being developed based on the feedback of first prototype, tested in the previous year.

DETAIL OF RESEARCH AND DEVELOPMENT PROJECTS: 2013-14

Sl. No.	Name of the Project	Time Frame	Date of commencement	Date of completion	Nature of the Study	Implementing Agency	Principal Investigator	Level of Progress
1	Job Mapping Study to further the scope of employment and productivity of visually impaired	3 months	April, 2013	June, 2013	Empirical Study	NAB SS Basu Training Centre, New Delhi	Ms. Shalini Khanna	Project completed.
2	Preparing Indian languages Braille tables in open source Braille library based on Unicode table	2 yrs	Oct, 2011	March 2013	Applied Research	NIVH, Dehradun	Sh. Virendra Singh (Braille Devp. Officer)	Project completed
3	Directory of Accesses Technologies for the Visually Challenged Persons	1 Year	April, 2013	March, 2014	Empirical Study	NIVH and XRCVC, Mumbai	Mr. Sam Taraporevala	Research has been completed. The institute will bring out a directory of Accesses Technologies based on the research study in the ensuing year.
4.	Documentary film on Braille Reading and Writing Methodologies	1 year	April, 2013	March, 2014	Empirical Document ary	NIVH, Dehradun	Dr. Vinod Kain Asst. professor	Project completed.

5	Designing Upward Braille Writing Frame	2 years	April, 2011	March, 2013	Product design	NIVH Dehradun	Sh.P.M. Gautam (Design & Development Officer)	Project completed.
6	Review of Bharati Braille for aligning it to UNI Code Symbols	18 Months	March, 2012	September, 2013	Applied Research	NIVH, Dehradun	Sh. Virendra Singh (Braille Devp. Officer)	Terms of reference, guidelines, roll & responsibilities of each sub group on 17 Indian languages under the project had been broadly prepared and the same has been communicated to the members of each sub group to carry out the work smoothly. Report on work being carried out by sub groups in Hindi, Kannada and Gujarati has been received.
7.	Development of Braille Codes for Nepali, Bhutia, Lepcha and Nagamese	2yrs	April, 2012	March, 2014	Applied Research	Jyoti Sroat, Meghalaya	Mrs. Bertha. G. Dkhar	Development of Braille Codes for Nepali has been completed where as the work on Bhutia, Lepcha and Nagamese is in progress.
8.	Action Research Project on the level of Development of children with Disabilities as per Piaget Model for Development	1 Year	April, 2013	March, 2014	Action Research	NIVH and Education Bethany Society, Meghalaya	Prof. S.R. Mittal & Mrs. Bertha. G. Dkhar	Assessment of Tool under Piagetian Model has been designed and tested. Further refinement of the tool is under way.

RESEARCH AND DEVELOPMENT PROJECTS: 2014-15

Sl. No	Name of the Project	Level of progress	Remark
1.	Review of Bharati Braille for Aligning it to UNI Code Symbols	This project was launched as per the decision of BCI. Under this project, a few characters for which Braille equivalent symbols are not available, had been identified. Their Braille equivalent symbols are being worked out. This will facilitate the transcription text of Indian languages into Braille with maximum possible accuracy and print similarity.	Project completed
2.	Preparing Indian languages Braille Table in Open Source Braille library based on Unicode Table	Unicode tables of Braille characters of Indian languages have been tested and finalized by Braille Council of India. This will facilitate computerized Braille production of text of Indian languages.	Project completed
3.	Development of Braille Codes for the Languages of NE States covering three Spoken Languages	Development of Braille code usable for the Braille Presses to produce text books for North East region in scientifically developed Braille code.	Project completed

Sl. No.	Name of the Project	Level of progress	Remark
4.	Action Research Project on the level of Development of Children with Disabilities as per Piaget's Model of Development	The implementing agency has gained better understanding of the impact of their teaching strategies and class room management system with reference to children with visual disability receiving education alongwith a diverse group of learners like H.I., C.P. , M.R. and slow learners.	Project completed
5.	A Directory of Access Technologies for the Visually Impaired Persons	This Directory is the culmination of 'Reading without Seeing'. This manual is useful for parents, teachers, special educators, schools, colleges, employers and the community and is designed to provide beginner level information on a wide range of products.	Project completed
6.	A Handbook for Mothers of V.I children based on Parenting Experiences of V.I. Mothers	This Handbook is very aptly proving useful for V.I. mothers and children in bringing out their children.	Project completed
7.	Beginner's Atlas in Braille.	Embossed diagrams useful for early learners.	Project completed
8.	Production of Information Booklet on Raising Awareness on Blindness	This is a need based booklet in user friendly format for raising awareness of general public, families of V.I. children including service providers on issues concerning blindness. It serves its purpose very well.	Project completed.
9.	A Film on Parenting Skills	Based on the Handbook, this film is being used by V.I. parents or otherwise for taking care of their V.I. child.	Project completed.
10.	A Film on Sighted Guide Techniques	The film is being used by teachers, parents and friends of V.I. persons including teacher trainees and students of rehabilitation in the North East Region.	Project completed

On going projects

S.N	Name of the Project	Progress
11	A Hand Book for Teachers on Advance Maths Braille Codes.	Project in progress.
12	Production of Resource Book for Teachers/Teachers Educators, Parents and V.I Persons	Project in progress.
13	A Film on Teaching Arithmetic to Primary Children on Taylor Frame	Project in progress.
14	To Design and Develop a Pre-School Kit of Teaching Learning Materials	Project could not be started.
15	To Design and Develop a Liquid Level Indicator for Visually Impaired Persons.	Project could not be started.