Outcome of NIEPID Completed Research Projects

(1984 to 2025-26)

S.NO.	PROJECT TITLE	OUTCOME
1.	A model of services for pre-school handicapped children in rural areas – US Funded – 1993-96	• Screening tool for screening of developmentally delayed children. • Intervention package known as Activity Checklist for Preschool Children - Development Delays (ACPC-DD) for providing comprehensive care to pre-school children with developmental delays in the rural area.
2.	Early Intervention to IUGR children at-risk for developmental delay – US Funded – 1993-98	▪ Fourteen different folders for parents. ▪ Early Intervention Guide.
3.	Development of material for creation of awareness in the parents of mentally handicapped and in the community – UNICEF funded – 1985-88	▪ Two films for parents and general public. ▪ One slide-cum-synchronized commentary. ▪ Eleven Radio spots. ▪ Ten awareness posters.
4.	Development of training materials for workers in rural areas – UNICEF funded – 1985-88.	Four manuals for village rehabilitation workers, multipurpose rehabilitation workers, psychologists and guidance counsellors.
5.	Screening of pre-school children for early identification of mentally handicapped – UNICEF funded – 1985-88.	Tools for ▪ Screening. ▪ Assessment.
6.	Development of materials for skill training in the mentally retarded persons – UNICEF funded – 1987-90.	▪ Nine booklets on self-help skills. ▪ Nine pamphlets in simple language for parents.
7.	Strategies for extending services to persons with mental retardation – UNICEF funded – 1990-92.	Development of urban slum model.
8.	Application of behaviour modification techniques in children with mental retardation – UNICEF funded – 1989-92.	▪ A manual for teachers. ▪ An Assessment checklist.
9.	Development of communication skills in children with mental retardation – UNICEF funded – 1989-92.	A manual on communication skills.
10.	Development of language assessment Tool – 1987-88.	A language assessment tool.
11.	Prevalence of mental retardation in urban slum in collaboration with NGOs –1993-94.	Development of model CBR.

12.	Play activities for the handicapped persons – 1988-90.	A booklet on play activities for children with mental retardation.
13.	Development of services through itinerant service model in collaboration with NGOs – 1993-94.	Development of Service Model in rural area .
14.	Development of resource material for individuals with mental retardation – 1993-95.	Teaching learning material. Functional literacy series - workbooks and flip books. Functional numeracy series - workbooks and flip books. A manual on functional academics for teachers.
15.	Strengthening families having children with mental retardation – 1993-95.	▪ Information guide for parents and translated to various Indian languages. ▪ Tool: Family needs assessment.
16.	Development of computer assisted instruction for teaching arithmetic and reading skills for children with mental retardation – 1993-96.	Developed Four Software's on reading and writing and numbers.
17.	Multi centered project on early intervention in collaboration with NGOs – 1993-94.	Early intervention Development of Model on services standardized assessment and intervention procedures.
18.	Multi centered project on vocational training-cum-production centers – in collaboration with NGOs1993- 95.	Development of Model on vocational training.
19.	Development of grade level assessment device for children with learning problems in schools – ICSSR funded – 1992 – 94.	Assessment tool.
20.	Development of materials for transition from school to work – 1999-2001	A guide and a curriculum on transition from school to work.
21.	Training in communication in persons with mental retardation - 1999-2001.	A utility guide for parents.
22.	Preparation of training packages for early childhood special education – UNICEF – 1999-2000	▪ A calendar and activity cards. ▪ A manual for teachers.
23.	Functional academics through computer technology for persons with mental retardation – S&T Mission Mode – 1999-2001	Six software on "My country, living and non-living, health and safety, numaracy, community utilization and literacy".
24.	Development of Modules for grass root level functionaries on prevention, early detection of childhood disabilities –2001-02	▪ Curriculum for training of grassroot level functionaries. ▪ Manual for training the trainers.
25.	Project on "Awareness on Childhood disabilities, prevention, early detection and referral" – 2001-02	A visual flip chart in Hindi and Telugu.

26.	Family intervention and support programmes for persons with mental retardation US – India	▪ Assessment tools. ▪ Models of services. ▪ Manuals/guides for parents.
27.	Independent dressing for persons with mental retardation - 2000–03	▪ Adaptation/modification in the clothes for use by the persons with mental retardation. ▪ Audio-visual media.
28.	A study of human resource development in north east region in the field of mental retardation - Current status and future perspectives - 2002-03	Report on the Status of trained special teachers in north east region and the needs in terms of professional competencies.
29.	Preparation of stimulation material for the overall development of rural infants and toddlers – 2001-03	Stimulation material for training the infants and toddlers of rural areas.
30.	Adaptation in Gait Training - 2002 - 03	Adaptation in parallel bar for gait training.
31.	Preparation of training packages on sexuality development in mentally retarded persons - 2001 – 03	Training package on sexuality development.
32.	Development of adaptations for daily living for the mentally retarded persons - 2001 – 03	Adapted material for daily living for use by the persons with mental retardation.
33.	Development of teaching and training material on physiotherapy - 2001–03	A book on teaching and training techniques. Audio-visual material.
34.	Awareness materials on employment of persons with mental retardation - 2002 – 03	Awareness Development of posters on Employment.
35.	Positioning and stimulating activities for infants and young children - 2001 – 03	Booklet on activities for training of young children with developmental delays.
36.	Development of stimulation activities for visually impaired infants and toddlers - 2002	Stimulation package for infants and toddlers with visual impairment.
37.	Development of resource education program for students with learning problems in academics - 2003	Remedial package for educating children with learning problems in primary schools.
38.	Service models for children with multisensory impairments and mental retardation – 2002	Training package for teaching children with multi-sensory impairments and mental retardation.

39.	Degree of visual activity detection in persons with mental retardation-A pilot study - 2002-03	▪ Tool to measure the degree of visual disability in persons with mental retardation. ▪ Development of service model.
40.	Study of indigenous practices in north eastern regional for children of 0-3 years of age for intervention - 2002	Module for intervention of children of 0-3 years.
41.	Development of training packages on sexuality development in mentally retarded persons - 2001 – 03	Training package on sexuality development.
42.	Support to children with disabilities – 2004-05	Models of education to all children with disabilities
43.	Functional communication patterns of the adults with mental retardation in the work setup 2004-05	A manual on functional communication patterns there assessment and intervention strategies for improving communication skills in the work setup will be developed. This manual will be useful for the professional working with adults with mental retardation and parents of the adults with mental retardation.
44.	Study of effect of adaptive devices in the improvement of Anthropometric skills for physical functions-2004-05	To design/ manufacture adaptations/ aids and appliances for persons with mental retardation
45.	Drool control and tongue thrust therapy-2004-05	To provide training on drooling, corrective posture and feeding.
46.	Educational Programming for students with profound mental retardation. Funded by (India – US S&T Forum)- 2005	Curriculum and intervention strategies to teach persons with profound mental retardation.
47.	Service models for children with autism and mental retardation	Package for teachers for training children with autism and mental retardation.
48.	Development of Manual on Vocational Training	Self Instructional Material, Brochures, Posters and Activity manual
49.	Research in Mental Retardation in India - A study- 2003	A book on status of research in mental retardation in India
50.	Early intervention to infants and toddlers with disabilities in rural areas – 2002	▪ Intervention package for infants and toddlers with specific disabilities in rural areas. ▪ Training manual for master trainers.
51.	Effective cognitive behavioural intervention among parents of persons with mental retardation-2003	To provide cognitive behaviour therapy for the parents
52.	Development of an Assessment tool for persons with Autism-2008	Assessment tool for Autism

53.	Orthopedic problems in persons with mental retardation and their physiotherapy management including surgical intervention	Training package for children with orthopedic problems with mental retardation and their physiotherapy management
54.	Development of vocational training programs for persons with mental retardation – 2002	Vocational training programme for persons with mental retardation
55.	A study of parents perception on quality of special education services in NGOs-2003	Parents opinion on quality of services in NGOs
56	Community based rehabilitation services for persons with intellectual disability – A Guide	Documented the direct study of services for persons with intellectual disability in India. It has further developed a guide for establishment of a model rehabilitation service programme for persons with intellectual disability
57	Development of tool for assessing the functioning of organizations in the area of disability and their utilization of funds.	Reviewed the functioning of 176 organizations in the area of disability rehabilitation spreading across the country. Based on this review, a qualitative analysis checklist was developed to document the human resource development facilities, service activities, receipts and payments.
58	Emotion recognition training for persons with mental retardation	Emotion recognition training found to be effective for persons with mental retardation.
59	Cognitive training for children with mental retardation	Children who were exposed to Cognitive Training Program showed significant improvement in post assessment on Cognitive Assessment System. Children with Mild mental retardation did very well in cognitive areas like attention, memory and perception. Children with Moderate level of mental retardation performed significantly well in the area of Successive processing.
60	Development of a simple tool for intellectual assessment of persons with mental retardation	'Test of Intelligence' a tool comprised of 6 factors comprising of 121 items in its item pool which is easy to administer in camp mode of assessment.
61	Identification of mental health problems in persons with mental retardation: Implication for service models and policies	A Report on the associated mental health problems among persons with mental retardation
62	Trends in intelligence testing of persons with mental retardation and its implication for certificate of disability and service provisions	A Report on the use of different intelligence assessment and other disability tools by the different professionals.
63	Development of Glossary in the field of Mental Retardation -2012	Glossary has been developed in alphabetical order which covers terms and its meanings directly/ indirectly related to mental retardation.

64	A study on dental problems in persons with mental retardation-(2013-14)	Enabled to document the frequency of different dental problems seen in our clientele and plan to provide better dental services to them
65	Molecular genetic study of beta amyloid precursor protein (APP) in different neurological disorders including autism-(2013-14)	Highlighted the role of Amyloid Precursor Protein (APP) and DNA repair in the pathogenesis of Autism
66	Adaptable e–Learning Accessibility model for the disabled-(2014-15)	'e-saadhya' is adaptable and accessible e-learning platform, which helps the rehabilitation professionals to assess and plan various training programmes for students with Mental Retardation having Autism.
67	School Readiness Package for Early Childhood Inclusive Education – UNICEF funded-(2016-17)	Reviewed existing inclusive school readiness package Aarambh-1 (pre-school) package. Developed inclusive academic readiness package in English, Maths and EVS for preschool children. Completed project was handed over to UNICEF.
68	Development of toolkits for assessing work competencies among post secondary and pre vocational students-(2016-17)	Prepared work competency assessment checklist and tool kit for assessing work competencies among post secondary and pre vocational students for children with Intellectual Disability.
69	Cluster-based placement service (2017)	Parents from 15 clusters registered and formed into parents groups to provide vocational training to their wards with intellectual Disability. Total 7 parent groups have registered under societies act to provide vocational rehabilitation and contributed towards empowerment of persons with Intellectual Disability by placing them in semi-skilled jobs within their own community.
70a	Development of an Indian Test of Intelligence - Phase -1 (2017-18)	Develop an Indian Test of Intelligence. The test so developed which is used for assessment of intellectual level of persons with Intellectual Disability. Phase-1 (Test Development & pilot testing is completed). Data Collection for standardising the tool will be taken up in Phase-2.
71	Usage pattern of Social Capital by Service Seekers on Neighbourhood Support System Respond towards Service Seekers (2019)	The study is undertaken to equip the service providers to deal with the needs of service seekers for optimum utilization of social capital. The project team developeda checklist to assess the social capital and supports available in the community. A handbook for rehabilitation professionals for

		effective use of social capital wasalso developed.
72	Sexuality Education for Persons with ID- An instructional Manual for Parents, Care Giversand Individuals with ID (2019)	Two assessment checklists for assessing the needs pertaining to sexuality education were developed. Instructional manuals were developed to be used by Educators/Parents for imparting basic sexuality education in both home and classroom settings.
73	Preparation of Digital Teaching Learning Material for Adults with Intellectual Disabilities(2020)	10 Self Instructional videos were developed for the following Vocational activities: Gardening, Hand embroidery, Typing master, Paper bag making, Lamination, Photo frameassembling, Pillow cover making, Screen printing, Scribbling pad making and Spiral binding
74	Comprehensive Assessment Tool for Adults withIntellectual Disabilities (2020-21)	Developed a comprehensive vocational assessment tool for Indian adult persons with Intellectual Disabilities for the purpose of vocational assessment, programme planning, placement and rehabilitation.
75	Development of Animated Films for Creating Awareness about Intellectual and Developmental Disabilities (2020-21)	Project completed 5 animated films developed which will create awareness on 1. Causes of disabilities; 2. Prevention of disabilities; 3. Early identification and intervention; 4. Inclusive education and 5. Vocational training & employability. The videos are having Sign Language interpretation and captioning which make them accessible for diverse range of users.
76	DISAAA: Development of an Integrated Solution for Automatic Assessment of Autism using Visual Attention, Facial Expression and Vocal Emotion Cues (in collaboration with CDAC Kolkata) (2022-23)	- Project team developed Mobile screening app titled Autism Screening Questionnaire (ASQ) in 5 Indian languages (Bengali, Hindi, Marathi, Telugu, and English). - Automated systems for autism assessment following ISAA tool. - Audio-visual stimuli in Hindi, Bengali, and English languages were developed to capture the facial expression, eye gaze, eye movement as well as the speech or vocal responses of the child. - After annotation and analysis of the data, it is processed using AI-ML based algorithm to identify the facial expression, eye gaze, eye movement, and vocal response.
70b	Development of an Indian Test of Intelligence - Phase – II (2023-24)	a. A Standardized NIEPID Indian Test of Intelligence tool has been developed which was inaugurated by Dr. Virendra Kumar, Honorable Cabinet minister of Social Justice & Empowerment, Govt. of India as the make of India Initiative on 10th December, 2023. b. It has been notified in the Gazette of India on 12th March, 2024 to assess the IQ. c. As per the guidelines by ministry, NIEPID is training all the RCI Registered Rehabilitation /

		Clinical Psychologist in this tool. As per now, ten CRE workshops have been conducted and approx. 500 professionals have already been trained all over India in using this test.
77	Promoting Self- Determination for independent living (2023-24)	a. Determine effect of SDIEP in developing self-determination for independent living in adults with Intellectual Disability. b. Manual for promoting self-determination skills in adults with Intellectual Disability. c. Assessment Tool for Independent Living.
78	Impact of early intervention on infants and toddlers with global developmental delays (2023-24)	a. Early intervention in Infants & toddlers through planned home based programme has given service providers like parents a better understanding of importance of early intervention therapies in children with Global Developmental Delay in Down syndrome and Cerebral palsy. b. Children with Down syndrome have higher improvement than children with Cerebral palsy in home based programmes. c. Severity of Cerebral palsy along with seizures and antenatal risk factors might have hampered the outcome in Down syndrome also.
79	A study on association between visual, motor, perception and cognitive abilities of children with disabilities. (2024-25)	a. To find out the relationship between visual-motor perception as a basic psychological process and cognitive function of children with LD. b. To find out the relationship between errors in visual-motor perception sub-scales of Gestalt test and cognitive functions with MISIC among children with LD.
80	Development of Adaptive Behaviour Assessment Instrument for Indian Population. (2025-26)	• To develop a standardized psychological instrument for Adaptive Behaviour Assessment for Indian Population • To establish reliability and validity for the developed Adaptive Behaviour Assessment Instrument (ABAI).
81	Development of Assessment Tool For Adults With Specific Learning Disabilities (SLDs) (2025-26)	• To develop a screening test for identifying adults with SLD in India, considering the country's unique cultural, linguistic, and educational context. • To compare the performance of the developed screening test with existing assessment tools for SLD in India and internationally.
82	Development of Academic Achievement Test for Specific Learning Disability- A tool for Educators. (2025-26)	• To develop an academic achievement test for identifying SLD among children of school going age group. • To identify the specific learning problems in children with SLD in English, Hindi, Maths and General Awareness. • To establish reliability and validity for the developed academic achievement test.

83	Development of Indigenous AugMented Mobile Application (I-AMMA) in Indian languages to facilitate Communication of Persons with Intellectual Disability (2025-26)	• To develop a software app for interventions to teach functional communication to PWIDs. • To establish efficacy for the developed software application.
84	Exact causes for high number of Divyangjan having intellectual and developmental infirmities in the state of UP, Telangana, Bihar & West Bengal (2025-26)	• To find out the causes for high number of Persons with Divyangjan (PwDs) having Intellectual and Developmental disabilities in the state of Bihar, Telangana, Uttar Pradesh & West Bengal. • To suggest the possible solutions for preventive measures for occurrence of Divyangjans through awareness from grassroot level. workers for the causes of PwDs.