

Department of Special Education NIMH - Secunderabad

1.0 HUMAN RESOURCE DEVELOPMENT

1.1 Long Term courses offered

M.Phil. Special Education (MR)

Based on the recent trends in the philosophy of education of persons with mental retardation, research in the field is warranted and to undertake such activities qualified professionals are required. M.Phil Special Education (Mental Retardation) programme prepares candidates to take up research and training for creation of highly qualified Special Educators in the field of mental retardation. This is a one year course affiliated to Osmania University, Hyderabad.

M.Ed. Special Education (Mental Retardation)

M.Ed. Special Education (Mental Retardation) course of one year duration affiliated to Osmania University, Hyderabad is aimed at developing professionals at faculty level in special

B.Ed in Special Education (Mental Retardation)

Keeping in view the need for special teachers at various levels, NIMH conducts one year B.Ed in Special Education (Mental Retardation) affiliated to Osmania University.

Diploma in Early Childhood Special Education (Mental Retardation)

Early Childhood Special Education (ECSE) focuses on children below 6 years of age and has various modes and approaches in imparting training based on the ability of the target group. This could be a home - based training, centre - based training, placement in regular pre-schools, anganwadis and balwadis. The early childhood special educator is also expected to work as a member in a multi-disciplinary team for designing and managing the curriculum, to enhance inclusion of the disabled children in regular schools.

D.Ed. Special Education (Mental Retardation)

This is two year diploma course formerly known as Diploma in Special Education (MR) aimed at preparing special teachers, who are competent in screening, assessment, education and training of children with mental retardation and associated disabilities.

Establishment of courses

- Diploma in Special Education (MR) : **February, 1986**
- Degree course in Mental Retardation : **July, 1987**
- B.Ed. Special Education (Mental Retardation) : **August, 2000**
- Bachelors in Rehabilitation Therapy (BRT) 4 years degree course, Delhi : **September 2003**
- M.Ed. Special Education : **November 2003**
- M.Phil in Special Education : **September, 2006**

Enrollment of Students in Long-term Courses (1984 to 2010)

M.Phil. in Special Education (MR)	20
M.Ed Special Education (MR)	129
B.Ed in Special Education (MR)	222
Diploma in Early Childhood Special Education (MR)	334
D.Ed. Special Education (MR)	993

1.2 Short Term courses:

About 6-8 short term courses are conducted at NIMH during every academic year to up date the knowledge and skills of special teachers and parents and family members. In addition training programmes are also conducted to train the regular teachers on management of children with learning problems and children with special needs in regular schools. The no of professionals attending the training programmes during the academic year ranges from 180 to 200.

2.0 RESEARCH AND DEVELOPMENT

The department has undertaken Research and Development activities which are of developmental and applied in nature as per the need of the hour. The projects undertaken were primarily on creating awareness on mental retardation, development of curriculum based assessment tools for the purposes of education of children with different categories, teaching learning material for the acquisition of various skills, and the service delivery models specifically for children with autism and multiple disabilities. The list of the projects completed by the department is given below.

2.1 Research Projects conducted by the Department:

- Development of material for creation of awareness
- Development of training materials for workers in rural areas
- . Development of materials for skill Training in the children with mental retardation.
- Strategies for extending services to persons with mental retarded in urban slums – a multi-centered collaborative study
- Development of resource materials for individuals with mental retardation
- Development of computer assisted instruction material for teaching arithmetic and reading skills for children with mental retardation
- Grade Level Assessment Device for children with learning problems in schools (GLAD) (1997)

- Transition of persons with mental retardation from school to employment – development of a model and guide for professionals
- Preparation of training packages for early childhood special education
- Functional academics through computer technology for children with mental retardation.
- Independent dressing for persons with Mental retardation
- Preparation of training modules on sexuality development in mentally retarded persons
- Adaptations for training children with mental retardation for independent living
- Development of resource education programmes for students with learning problems in academics
- Service models for children with multi sensory impairments and mental retardation
- Development of package on sexuality development in persons with Mental Retardation
- Support to children with disabilities - UNDP Project
- Project on “Educational Programming for Students with Profound Mental Retardation
- Project on “Service models for children with mental retardation with Autism
- Research in mental retardation in India- A Study

2.2 Research studies undertaken by MPhil Sp Edu {MR}students

- Comparative Analysis of Response to Various Stimuli Among children with Mental Retardation and Children with Autism In Educational setting
- Analysis of Consumers Satisfaction On Various Educational Service models for Children with Mental Retardation
- A study on Awareness of Acts and Social Benefits Among the Parents of Children with Mental Retardation
- Achievement of Social Skills in Children with Mental Retardation attending Home Based Programs and Children attending Regular Special Schools
- A Study on Architectural Barrier Free Environment in Special Schools with Mental Retardation

2.3 Research studies undertaken by M.Ed SpEdu students

- A Study on Opinion of Regular Primary School Teachers towards Inclusive Education of Children with Mental Retardation.
- An Analysis of Parental Views on Inclusive Education for Children with Mental Retardation.
- A Study of Historic Perspectives on Ethical Issues Related to Education of Persons with Mental Retardation.
- Analysis of Parental Views on Integrated School for Students with Mental Retardation.
- An Analysis of the Views of Teachers and Parents of Children with Average Intelligence toward Integrated Setting.
- The Study of Regular Teachers' attitude towards Inclusive Education of Students with Mental Retardation.
- A Comparative Study of the Status of Education of Persons with Mental Retardation Fifty Years Before and Fifty Years After Independence In India.

- Effect of Magazines on Learning Identification of Objects Among Children with Mental Retardation at Primary Level.
- Effect of Music on Learning and Retention of Concepts Among Students with Mental Retardation at Primary Level.
- A Study on Effect of Error Analysis and Error Correction In the Development of Writing Skill Among Children with Mild Mental Retardation.
- PECS In Relation to Communication Skills Amongst Persons Having Mental Retardation with Autism Spectrum Disorder.
- Effect of Playing Tabala on the Development of Hand Functioning of Children with Mental Retardation at Primary Level.
- Effect of Programmed Instruction In Teaching Science to Students with Mild Mental Retardation.
- The Effect of ‘Cover Write-Rehearsal Method’ on Writing Shopping List Among Students with Mental Retardation at Prevocational-I Level.
- Effect of Yoga on Increasing attention of Students with Mild Mental Retardation.
- Effect of Play Way Method In Learning (Fractions) In Mathematics Among Students with Mental Retardation attending N.I.O.S.
- Effect of Using Simulation Method on Learning “First Aid Skill” Among Students with Mental Retardation attending Secondary Level.
- Effect of Yoga on attention of Students with Mental Retardation at Secondary Level.
- A Study on the Effect of Multisensory Approach In Developing Reading Skills Among Persons with Mild Mental Retardation and Learning Disability.
- Effect of Multi-Sensory Approach on Learning to Read Words Among Children with Mild Mental Retardation.
- Effect of Self Directed IEP on Developing Self Determination In Special Employees with Mild Mental Retardation.

- Effect of Structured Teaching on Social and Communication Skills of Mentally Retarded Students with Autism at Primary Level.
- Effect of Play – Way Method on Learning Numerical Place Value In Mathematics Among Students with Mild Mental Retardation.
- Effect of Self Instructional Material on Learning Basic Mathematical Symbols Among Students attending NIOS.
- Effect of Reinforcement on Learning & Self- Help Skills Amongst Pre-School Children with Mental Retardation
- Effect of Programmed Instruction on Pre-Arithmetic Skill Amongst Primary Students with Mild Mental Retardation.
- Effect of Peer Tutoring on Achievement of Number Skills Among Children with Mental Retardation at Primary Level.
- Effect of Personalised Communication Book on the Reduction of Problem Behaviour on Primary Level Nonverbal Children with Mental Retardation.
- A Comparative study on the Effect of Story Telling on Communication Skills of Children with Mental Retardation with Sensory Impairment (hearing and visual)at pre primary level.
- Effect of Story Telling on Communication Development In Children with Mental Retardation Having Visual Impairment at Primary Level.
- Effectiveness of Classroom Activities on Motor Functioning of Persons with Mental Retardation with Additional Disabilities.
- A Study on Effects of Yoga and Dance for Developing Motor and Psychological Skills In Persons with Mental Retardation
- Effect of Games In Learning Transaction of Money Among Children with Mental Retardation at Pre-Vocational 1 Level.
- Effect of Competitive Activity Based Play on Learning Colour Concept Among Children with Mental Retardation at Pre-Primary Level
- Effect of Games In Learning Counting Among Children with Mental Retardation at Primary Level.

- Effect of Basic Skills Training In Cricket on Motor and Social Skills Development In Persons with Mild Mental Retardation.
- Effect of Drama on Learning Social Skills Among Children with Mild Mental Retardation
- Comparison of Effectiveness of Same Age and Cross Age Peer Tutoring on Developing Social and Communication Skills in Primary Level Children with Mild Mental Retardation
- Impact of Family Support on Teaching Daily Living Skill Among the Children with Moderate and Severe Mental Retardation within the Age Group of 14 to 18 yrs.
- Effect of Reinforcement on Learning Self Help Skills Amongst Pres-School Children with Mental Retardation.
- Effectiveness of Picture Exchange Communication System on Communicating the Daily Needs of Children with Autism
- A Survey on Awareness of Special Education for Children with Mental Retardation among the Anganwadi Workers of Nelakondapalli (Mandal), Khammam (Dt.).
- A Study on Awareness of Special Education to Children with Mental Retardation Among the Rural Elementary School Teachers
- A Study on the Impact of Sarva Siksha Abhiyaan on Inclusion of Children with Mental Retardation In Rural Areas with Specific Reference to Mahabubabad Mandal (Warangal District)
- A Comparative Study Between Abacus and Conventional Method of Teaching Mathematics to Mild and Moderate Mentally Retarded In Special Schools.
- Effects of Drill & Practice Software on Teaching Name of Animals and Basic Computer Literacy Skills Among Primary Level Children with Mental Retardation.
- Effectiveness of Computer Assisted Instructions (CAI) on the Academic Performance of Children with Mild Mental Retardation at Primary Level.
- A Comparative Study of Picture Prompting Vs Video Prompting on Acquisition and Maintenance of Cooking Skills Among Students with Mild Mental Retardation.

- Effectiveness of Computer Assisted Instructions (CAI) on Learning Multiplication among Students with Mild Mental Retardation attending NIOS.

3.0 ESTABLISHMENT OF SERVICE DELIVERY MODELS

Resource Room for Children with Autism having Mental Retardation : April, 2001

Resource Room for Slow Learners : April, 2001

MANORANJANAM – A service unit for Persons with Profound Mental Retardation : February 2003

Mobile Services for Persons with Mental Retardation : February 2003

4.0 CONSULTANT SERVICES TO NGOS AND OTHERS:

The department has

- Provided technical support and guidance to a number of NGOs working in the field of mental retardation in the country in establishing different types of service delivery models for children with mental retardation and associated conditions.
- Initiated integrated education services in regular schools by facilitating to establish resource room facility. In addition training programmes to regular schools were organized on management of children with special needs.

5.0 AWARDS RECEIVED:

Dr. Vijaylakshmi Myreddi, the faculty from the department was assigned to be a nodal officer to Madurai during the year 2000-2004. She has received the National award for outstanding performance as “The Nodal Officer for Best District Disability Rehabilitation Center for the year 2004 from The President, Shri Dr.A.P.J. Abdul Kalam on December 3rd 2004.



Receiving National Award 'Best District from the Hon'ble President of India
Shri. A.P.J Abdul Kalam on december 2003

6.0 RECOGNITION:

Teaching Learning material developed by the department for teaching and training of Students with mental retardation were dedicated to the Nation by The President, Shri Dr.A.P.J. Abdul Kalam on 27th December 2005.



Student receiving teaching learning material kit from The President



Dr. Vijaylakshmi Myreddi explaining about the material to Hon' le President.

7.0 PUBLICATIONS:

- Handbook for the Trainers of Mental Retardation Pre-primary level, 1989
- Organization of spl. school for MR persons, 1989
- Organization of spl. class in regular school, 1989
- Towards Independence : Gross motor skills, 1990
- Towards Independence : Fine motor skills, 1990
- Towards Independence : Feeding on their own, 1990
- Towards Independence : Toilet Training , 1990
- Towards Independence : Brushing skills, 1990.
- Towards Independence : Dressing skills, 1990
- Towards Independence : Bathing skills, 1990
- Towards Independence : Grooming skills, 1990
- Towards Independence : Social skills, 1990
- Manual for Towards Independence series, 1990-
- Skill Trg. In mentally retarded persons: Bathing, 1990
- Skill Trg. in mentally retarded persons : Tooth Brushing , 1990
- Skill Trg. in mentally retarded persons : Dressing , 1990
- Skill Trg. in mentally retarded persons : Grooming , 1990
- Skill Trg. in mentally retarded persons : Gross Motor Skills , 1990
- Skill Trg. in mentally retarded persons : Fine Motor Skills , 1990
- Skill Trg. in mentally retarded persons : Eating Skills , 1990..
- Skill Trg. in mentally retarded persons : Toilet Training , 1990
- Skill Trg. in mentally retarded persons : Social Skills , 1990
- Functional Assessment Checklists , 1994
- Functional Literacy Series : Fruits ,, 1997
- Functional Literacy Series : Animals , 1997 .
- Functional Literacy Series : Numbers , 1997
- Functional Literacy Series : Vegetables , 1997
- Grade Level Assessment Device for Children with Learning Problems in Schools , 1997
- Learning Problems in School going Children
- Functional Academics for Students with MR - a guide for teachers , 1999
- School Readiness for Children with Special Needs
- Functional Literacy Series : 1 Vegetables (Flip Book) , 1999
- Functional Literacy Series : 2 Vehicles (Flip Book) , 1999
- Functional Literacy Series : 3 Animals (Flip Book), 1999
- Functional Literacy Series : 1 Numbers (Flip Book) , 1999
- Aarambh training Package for Early child hood Special Education, NIMH 2002
- HRD in Education of Children with MR in North Eastern Region, 2003
- Functional Assessment Checklist for Programming – PMR, 2004

- Bio-Behavioural State Assessment of Students with Profound Mental Retardation, 2007
- Teaching Students with Profound Mental retardation- A Guide for Teachers and Parents, 2007
- Education of Children with Deaf blindness and additional disabilities, 2007
- Education of Children with Mental Retardation having Autism Spectrum Disorders
- Research in Mental Retardation

8.0 SOFTWARE PACKAGES:

Computer Assisted Instructions (Reading and Arithmetic)- Part 1 & 2

9.0 VIDEO FILMS:

- Step by step we learn
- Give them a Chance
- Help Them Learn
- Make it Easy

10.0 TEACHING LEARNING MATERIALS DEVELOPED BY THE DEPARTMENT

1. COUNT ME

- a. One Wooden Board with holes and 20 rust free galvanized rods
- b. 10 Nos of durable foam-board Number cards and 5 symbols cards
- c. 10 Foam board NO. cards (0-9)
- d. 60 No.s specially designed beads in 6 colours (Large Size)
- e. 60 No.s specially designed beads in 6 colours (Small Size)

2. ALL AROUND ME

- a. One Water proof colour chart of surroundings
- b. One Flash card holder.
- c. Kit 1-Transport (7 pictures cards & 13 word cards)
- d. Kit 2-Transport (7 pictures cards & 12 word cards)
- e. Kit 3-Playtime (7 pictures cards & 12 word cards)
- f. Kit 4-Aroundme (7 pictures cards & 13 word cards)

3. YOU CAN TELL TIME

- a. 3 clock face stamps on Teakwood Base-small. Medium. Large (Oval)
- b. 3 clock face stamps on Teakwood Base-small. Medium. Large (Square)
- c. 3 clock face stamps on Teakwood Base-small. Medium. Large (Round)

4. FUN WITH STAMPS (Have fun with me)

- a. 5 Stamps of Vegetables on specially designed coloured base
- b. 5 Stamps of Fruits "
- c. 5 Stamps of wild animals "
- d. 5 Stamps of Domestic animals "
- e. 5 Stamps of Transport "

5. NUMBER LAND(Learn anything in mathematics)

- a. 10 Wooden number strips(1-100)
- b. 100 numbers cards (1-100)
- c. 10 Nos. cards in tens 29 cards with number names
- d. 2 Sets of 10 Nos. Cards (0-9) and 5 symbol cards
- e. Flash card holder

6. BASIC SKILL WOODEN PUZZLES

- a. Day birdie (A Puzzle to learn the days of the week)
- b. Grow Plant (To learn parts of the plant and how they grow)
- c. Handprints (To learn Nos 1 - 5)
- d. Footprints (To learn Nos 11-20)
- e. Odd and Even duck (To introduce odd and even nos 1-10)
- f. Lacing Kit (3 shapes with eyelets and laces for motor control)
- g. Footsteps (20 footsteps to match Nos and value 1 -10)
- h. Festival - A Story sequence puzzle (Christmas)
- i. Festival - A Story sequence puzzle (Diwali)
- j. Festival - A Story sequence puzzle (Ramzan)

7. I. SEASONS -Round The Year

- a. Kit 1.3 coloured picture cards of Summer and 16 word cards
- b. Kit 2.3 coloured picture cards of Winter and 16 word cards
- c. Kit 3.3 coloured picture cards of Rainy season and 16 word cards
- d. One Holder

7 II. CALENDAR OF SEASONS

- a. Summer (3 coloured picture cards)
- b. Winter (3 coloured picture cards)
- c. Monsoon (3 coloured picture cards)
- d. 33 numbers cards (31 dates and 2 year cards)
- e. 7 week days cards + 12 month cards + 11 helping cards
- f. One flash card holder

8. What we Wear

- a. 26 Picture cards of clothes
- b. 25 word cards of clothes
- c. 26 word cards of helping words
- d. One Flash card holder

9. Learn to shop

- a. One composite picture card of shop
- b. 20 picture cards of shopping items
- c. 30 word cards of shopping items
- d. Play money (38 notes and 35 coins)
- e. 10 price tags
- f. 10 sets Sample bill sheets

10. Know Your community

- a. Railway Station (1 Chart, 5 Pictures cards and 16 word cards)
- b. Post Office " "
- c. Police Station & Bus Stop " "
- d. Hospital " "
- e. Bank " "
- f. Airport " "
- g. One Flash card holder

11.I. OUR COUNTRY - India - General

- a. One Map on waterproof material
- b. One puzzle
- c. 120 word cards
- d. 30 picture cards. (Regional)
- e. Flash card holder

11.II. OUR COUNTRY - India - Regional - 7 Regions

- a. Mountains (15 word cards + 15 pictures cards)
- b. Plains " "
- c. Plateaus " "
- d. Coasts " "
- e. Islands " "
- f. Deserts " "
- g. Our Capital " "
- h. One Flash card holder

12. We CAN : daily living activities

- a. 23 picture cards
- b. 23 support word cards
- c. One flash card holder

13. Daily Living Adaptation Kit.

- a. Samples of 22 items of daily living adaptations to suit the requirements of the mentally challenged.