A STUDY ON THE CURRENT NEEDS IN THE AREA OF

DYSGRAPHIA - EARLY IDENTIFICATION AND EARLY

INTERVENTION

Abstract

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- 5 Dysgraphia is a specific learning disability (SLD) affect writing acquisition skills and causing
- 6 significant academic and socio emotional challenges for children. The Rights of Persons with
- 7 Disabilities (RPwD) Act 2016 formally recognizes Specific Learning Disabilities, including
- 8 dysgraphia, as a disability category in India. RCI (2018), defines SLD as difficulties incore
- 9 academic skills, while DSM 5 (2013) and ICD 11 (WHO, 2019) classify it as a
- 10 neurodevelopmental disorder affecting learning. Despite of this recognition, dysgraphia
- 11 remains unidentified and overlooked when compared to dyslexia, leading to delayed
- intervention. Global estimates indicates that dysgraphia affects 5–20% of school aged
- children, while limited Indian research suggests prevalence rates of 7–15%, with
- 14 identification challenges worsened by lack of standardized tools and awareness. This paper
- 15 examines early identification and early intervention through international and Indian
- perspectives, addressing definitions, causes, overlapping conditions, the impact on student's
- academic and emotional well-being and existing tools and technique in the area of early
- identification and early intervention. A review of literature highlights the scarcity of Indian
- 19 studies, and reinforcing the need for a structured and culturally relevant screening and
- 20 intervention module. The paper concludes with recommendations aligned with India's
- 21 inclusive education agenda and the National Education Policy (NEP) 2020.
- 22 Key words: Dysgraphia, Specific Learning Disability, NEP 2020, Early Identification,
- 23 Early intervention
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Introduction

- 30 Learning disabilities (LDs) are a group of diverse neurodevelopmental disorders that interfere
- 31 with the acquisition and use of listening, speaking, reading, writing, reasoning, or
- 32 mathematical skills (American Psychiatric Association, 2013). While dyslexia and
- 33 dyscalculia both have received growing attention in research as well as practice, out of
- 34 whichdysgraphia remains relatively neglected despite its significant implications for
- 35 children's academic and personal growth. In India,the children with dysgraphia are often go
- 36 unrecognized due to the absence of standardized screening tools, limited teacher awareness,
- and the stigma attached to learning difficulties (Sharma & Sinha, 2015).
- 38 The importance of early identification and early intervention is reinforced by the NEP 2020,
- 39 which emphasizes inclusive education and support for children with learning disabilities at
- 40 the foundational stage (Ministry of Education, 2020). Since writing is a crucial and critical
- 41 skill for educational success as well as daily life, the inability to write effectively hampers
- 42 academicperformance but also affects self-esteem, motivation, and participation in classroom
- 43 activities (Gupta, 2019).
- 44 If we talk about the background of Dysgraphia, it is derived from the Greek words dys
- 45 (difficulty) and graphia (writing), meaning a specific difficulty in written expression. It is not
- simply "bad handwriting" but a neurological learning disability that affects a child's ability to
- 47 write legibly, organize thoughts on paper, and develop automaticity in spelling and written
- 48 composition (Berninger & Wolf, 2009).
- 49 To provide conceptual clarity, dysgraphia is defined and classified differently across
- 50 diagnostic and legal frameworks.
- The Diagnostic and Statistical Manual of Mental Illnesses, or DSM-5 (2013): Categorizes
- 52 dysgraphia under "Specific Learning Disorder with impairment in written expression." The
- 53 diagnostic criteria emphasize persistent difficulties in spelling accuracy, grammar and
- 54 punctuation, and clarity or organization of written expression (American Psychiatric
- 55 Association, 2013).
- International Classification of Diseases, orICD-11 (2019): Lists it under "Developmental
- 57 Learning Disorders," specifically as a written expression disorder, highlighting difficulties in
- 58 spelling, grammar, punctuation, and ability to organize coherent written text (World Health
- 59 Organization, 2019).

- 60 **Rehabilitation Council of India (RCI):** Describes dysgraphia as part of specific learning
- 61 disabilities, where children exhibit difficulty in handwriting, spelling, and organizing
- thoughts on paper despite normal intelligence and adequate schooling (RCI, 2018).
- Rights of Persons with Disabilities (RPwD) Act, 2016: Officially includes dysgraphia
- 64 under specific learning disabilities, ensuring legal recognition and entitlements such as
- accommodations, resource support, and inclusive education provisions (Government of India,
- 66 2016).
- This variety of conceptualizations demonstrates that dysgraphia is not limited to handwriting
- but it also is a broader writing disability affecting multiple levels of written expression. A
- 69 shared challenge across these definitions is the lack of uniform, culturally appropriate
- assessment frameworks in India.
- 71 In the Indian educational context, handwriting continues to hold a central role, particularly at
- 72 the academic level where assessment and learning are heavily writing-dependent (Nag
- 8 & Snowling, 2012). Thus, children with dysgraphia face disproportionate challenges
- 74 compared to peers with other forms of learning difficulties. Often, their difficulties are
- 75 misunderstood as laziness, carelessness, or lack of practice, which not only delays diagnosis
- but also negatively impacts self-confidence and motivation (Gupta, 2019).
- 77 Talking for the Prevalence of Dysgraphia in India, Estimating the prevalence of dysgraphia
- 78 remains challenging due to limited research and lack of standardized diagnostic tools in India.
- 79 Globally, dysgraphia affects 5–20 percent of school aged children (Berninger and Wolf 2009),
- 80 while Indian studies report 7–15 percent prevalence (Sharma and Sinha 2015). Although
- 81 recognition under the RPwD Act 2016 has increased awareness, the absence of large scale
- 82 national data continues to hinder effective policy and intervention.
- Research indicates that early intervention in the foundational years (ages 6–8) is crucial, as
- children's brain plasticity allows for greater adaptability and response to remedial measures at
- 85 this stage (Shaywitz, 2003). However, in India, lack of teacher training, standardized
- diagnostic tools, and awareness among parents and educators creates barriers to early support
- 87 (Sharma & Sinha, 2015).
- 88 Dysgraphia often coexists with other neurodevelopmental conditions, making diagnosis and
- 89 intervention complex. Common overlaps include dyslexia affecting reading and spelling
- 90 (Berninger and Wolf 2009), ADHD linked with inattention and poor self regulation (Mayes

91	and Calhoun 2006), and Developmental Coordination Disorder affecting fine motor skills
92	(Katusic et al 2009). It may also occur alongside dyscalculia and language disorders
93	(Shaywitz 2003), highlighting the need for comprehensive assessment and individualized
94	intervention.
95	This paper addresses the gap by presenting a comprehensive understanding of dysgraphia
96	through international and national perspectives, highlighting the urgent need for developing
97	structured module for early identification and early intervention.
98	Rationale of the Study
99	Although dysgraphia is recognised under the RPwD Act 2016 and included within Specific
100	Learning Disabilities, it continues to remain one of the least identified and least supported
101	learning difficulties in Indian schools. In classrooms where writing is the primary mode of
102	learning and assessment, children with dysgraphia face daily academic struggles that often go
103	unnoticed. Their difficulties are frequently misunderstood as lack of effort, poor handwriting,
104	or carelessness, which leads to delayed support and long term emotional and academic
105	consequences.
106	Despite the importance of early identification, India does not yet have a dedicated, culturally
107	relevant, and classroom friendly module for recognising early signs of dysgraphia. Existing
108	screening tools either address SLD in general or include very limited items related to writing
109	difficulties. This gap between policy recognition and practical school level implementation
110	highlights the need for a structured and developmentally appropriate module.
111	Therefore, the present study is needed to bring attention to dysgraphia, to review available
112	evidence, and to support the development of an early identification and early intervention
113	module suitable for Indian primary school settings. This will strengthen inclusive education
114	practices and align with national priorities outlined in the NEP 2020.
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Objectives of the Study

119 The main objectives are:

- 1. To review the conceptualization and definitions of dysgraphia as per international (DSM-5, ICD-11) and Indian (RCI, RPwD Act, 2016) frameworks.
- 2. To explore the prevalence and causes of dysgraphia, with emphasis on the Indian context.
- 3. To analyze the overlapping conditions and the academic, emotional, and social impact
 of dysgraphia on students' lives,
- 4. To review the available literature, available tools and technique highlighting the scarcity of Indian research on dysgraphia.
- 5. To recommend the development of an early identification and intervention module suitable for foundational-level classrooms in India.

Methodology

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Research Approach

- This study uses a qualitative research approach based entirely on secondary data. Since the
- purpose is to understand existing knowledge, identification practices, and intervention
- strategies related to dysgraphia, no primary data was collected.

135 Sources of Data

- 136 The review included a wide range of secondary sources such as academic books, peer
- 137 reviewed journal articles, government documents, and institutional publications. Key
- references included DSM 5, ICD 11, national policies like the RPwD Act 2016, and materials
- published by organisations such as NCERT, NIEPID, and NIMHANS. Both national and
- international studies on Specific Learning Disabilities and dysgraphia were considered, with
- greater emphasis on research published after 2000 along with essential foundational works.

Data Collection Procedure

- 143 Relevant literature was gathered through academic databases, Google Scholar, ResearchGate,
- 144 government portals, and institutional repositories.

Inclusion and Exclusion Criteria

146 Inclusion Criteria

147 The following types of literature were included in the review:

- Studies focusing on dysgraphia, Specific Learning Disabilities (SLD), handwriting
 difficulties, or writing-related disorders.
- Research examining screening tools, assessment methods, or intervention strategies relevant to dysgraphia.
- Publications discussing the Indian educational context, identification systems, or policy frameworks related to SLD.
- Peer-reviewed journal articles, academic books, government reports, and institutional documents (e.g., NCERT, NIMHANS, NIEPID).
- Studies published after 2000, along with essential foundational works frequently cited in the field.
- Both national and international research that contributes to conceptual or practical
 understanding of dysgraphia.

Exclusion Criteria

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- 161 The following sources were not included:
- Studies focusing solely on unrelated neurological or developmental disorders without direct relevance to dysgraphia.
- Articles that addressed handwriting problems caused by temporary, medical, or
 environmental factors rather than learning disabilities.
 - Publications lacking academic reliability, such as non-peer-reviewed blogs, opinion pieces, or unverified online content.
 - Studies with insufficient methodological clarity or without accessible full text.
- Research unrelated to early identification or intervention frameworks relevant to foundational-level learners.

Data Analysis: Thematic Content Analysis

- The collected literature was analysed using thematic content analysis. Themes were developed through repeated reading, comparison, and interpretation of the selected texts. The
- analysis helped identify recurring concepts and organise the findings meaningfully.
- 175 The following major themes emerged from the review:
 - conceptual definitions and understanding of dysgraphia
 - prevalence and identification challenges

- overlapping conditions within SLD
- academic and emotional impact on children
- available screening and assessment tools
- intervention practices at national and international levels
- gaps in Indian research and the need for a structured early identification and intervention module
- This thematic organisation supported the study's objective of examining existing knowledge
- and highlighting the need for an Indian context specific module for early identification and
- early intervention of dysgraphia at the foundational level.

Literature Review

- The literature on dysgraphia is relatively limited when compared to other learning disabilities
- such as dyslexia and ADHD.
- 190 International Research: Studies from the United States and Europe emphasize the
- 191 neurological basis of dysgraphia, its comorbidities, and effective intervention strategies. For
- instance, Berninger and Wolf (2009) highlighted the role of brain functioning and motor
- 193 coordination in handwriting difficulties, while Katusic et al. (2009) reported strong
- 194 correlations between dysgraphia and developmental coordination disorders. Research also
- 195 stresses the importance of early interventions like occupational therapy, multisensory
- teaching, and assistive technology (Shaywitz, 2003).
- 197 Research has revealed that the presence of dysgraphia in learners has multiple consequences
- ontheir academic performance and psychological well-being some of which include: low
- 199 quality of written work, difficulties in organizing thoughts and translating them into written
- work, poorreading skills, poor academic performance, academic underachievement, low self-
- esteem, poorpeer relationships, social isolation, increased stress levels, anxiety, depression,
- 202 suicidal ideation, reduced participation in academic and social activities in school and
- exhibition of maladaptivebehaviours (Chung & Patel, 2015; Cleveland Clinic, 2022;
- McBride, 2021; Rose, Forber-Pratt, Espelage, & Aragon, 2013; Rosenblum, Aloni, & Josman,
- 205 2010).

- Indian Context: In contrast, research in India has been sparse. Nag and Snowling (2012) noted that while dyslexia has received some policy attention, dysgraphia remains underidentified. Sharma and Sinha (2015) found that nearly 10% of primary school children in their study displayed writing difficulties but were rarely diagnosed with dysgraphia. Gupta (2019) emphasized the need for teacher awareness and culturally relevant teaching strategies to address handwriting issues.
- Gap in Research: Despite the RPwD Act (2016) legally recognizing dysgraphia, there is a lack of standardized tools for its identification in Indian schools. Very few intervention modules are designed specifically for Indian classrooms, where large class sizes, rote learning methods, and examination pressures exacerbate the difficulties of children with dysgraphia.
- This review highlights the urgent need for context-specific, evidence-based interventions that not only identify dysgraphia early but also provide remedial strategies suited for Indian classrooms.
- Dysgraphia, has been the subject of numerous studies over the past few decades, though Indian research remains limited. Thework of Berninger et al. (2006) emphasized the neuropsychological basis of dysgraphia, distinguishing it from mere poor handwriting and linking it to deficits in orthographic working memory. This framework set the tone for future assessment and intervention strategies, such as the Process Assessment of the Learner (PAL).
- Internationally, research on interventions has been rich and varied. Hurschler Lichtsteiner et al. (2024) demonstrated improvements in handwriting quality through structured psychomotor therapy. Similarly, Engel-Yeger et al. (2024) highlighted the connection between fine motor skills and writing self-efficacy in children. A systematic review by Möller & Rott (2025) identified four key types of interventions: sensorimotor, technology-aided, self-regulated, and integrated approaches, indicating a growing trend toward multifaceted treatments.

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Technological innovations have played a significant role in recent assessments. Deep learning models like CNN and ResNet were used by Sulaiman et al. (2024) in Malaysia, achieving 91.8% accuracy in identifying dysgraphic handwriting. SensoGrip pens, as shown in an arXiv study (2022), demonstrated over 99% accuracy in detecting writing anomalies via real-time data from sensor-equipped pens. Another model using handwriting on tablets achieved 83.6% accuracy in dysgraphia detection in Czech children (Wachsmuth et al., 2024), while Nevisi& Tahmasbi (2025) developed an intelligent game to predict dysgraphia with 93% accuracy.

- However, the Indian context lacks sufficient empirical work. According to Ramaa &Gowramma (2002) and Karande et al. (2007), identification of specific learning disabilities—including dysgraphia—is often delayed due to a lack of awareness and inadequate teacher training. A large-scale study in South India revealed a 12.5% dysgraphia prevalence rate among children with learning disorders (Madhu et al., 2011). A more recent meta-analysis estimated the overall prevalence of SLD in India to be 8%, with dysgraphia still under-researched (Sharma et al., 2024).
- Overlap conditions like dyslexia and ADHD also complicate diagnosis and intervention.
- Studies by Mayes & Calhoun (2007) indicate that up to 50% of children with dyslexia meet
- 249 the criteria for dysgraphia. Additionally, Tseng & Chow (2000) found that students with
- ADHD display impaired handwriting due to deficits in fine motor planning.
- 251 Assistive technologies have shown promise. A review of interventions between 2018 and
- 252 2023 suggested that tools like speech-to-text, graphic organizers, and touch-typing software
- significantly support dysgraphic students (Singh et al., 2023). Despite this, such solutions are
- seldom implemented in Indian classrooms due to resource limitations and policy gaps.
- In sum, although international research on dysgraphia has expanded, India's contribution
- 256 remains sparse. There is an urgent need for standardized assessment tools in regional
- 257 languages, culturally relevant interventions, and early identification modules for
- 258 foundational-level learners. This study seeks to address this critical gap by proposing a
- 259 practical, contextually tailored module for early intervention in Indian primary education
- settings.

Highlighted points

- The literature review clearly shows that dysgraphia is studied extensively at the international
- level, with strong evidence on its neurological basis, comorbidities, and effective
- interventions. Research from countries like the USA and Europe provides detailed insights
- 265 into brain functioning, motor coordination, early interventions, and technology-based
- assessment models. A wide variety of intervention strategies such as psychomotor therapy,
- 267 multisensory approaches, assistive technology, and advanced digital tools have been
- 268 developed and tested with considerable success.

In contrast, Indian research remains limited and fragmented. While policy recognition exists under the RPwD Act 2016, studies show that dysgraphia is still poorly identified, often confused with poor handwriting, and rarely addressed in teacher training or classroom practices. The few Indian studies available indicate prevalence of writing difficulties but highlight major gaps in awareness, diagnostic tools, and systematic interventions. No standardized, validated, or India-specific module currently exists for early identification or early intervention. Thereview therefore highlights critical research a gap: India lacks culturally relevant tools, structured intervention programmes, and empirical studies focused specifically on dysgraphia. This gap persists despite international advances and clear evidence of the academic and emotional impact of dysgraphia on children.

Overall, the literature review supports the need for a context-specific, evidence-based early identification and early intervention module for dysgraphia in Indian primary school settings.

Impact of Dysgraphia on Students' Lives

- The impact of dysgraphia extends beyond academics, affecting a child's emotional, social,
- and psychological development.
- Academic Challenges: Writing is central to almost all classroom tasks, from note-taking to
- examinations. Students with dysgraphia struggle to keep pace with peers, often leading to
- poor academic performance despite average or above-average intelligence (Gupta, 2019).
- **Emotional and Psychological Effects:** Constant feedback such as "your handwriting is bad"
- or "you need to try harder" contributes to feelings of frustration, low self-esteem, and learned
- 289 helplessness (Sharma & Sinha, 2015). Anxiety and avoidance of writing tasks are common
- 290 outcomes.

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- 291 Social Implications: In classrooms where neat handwriting is valued, children with
- 292 dysgraphia may face teasing, exclusion, or unfair comparisons with peers. These experiences
- often hinder peer relationships and social confidence (Nag &Snowling, 2012).
- 294 Long-Term Outcomes: If unaddressed, dysgraphia can limit career choices in fields that
- require extensive written work, and students may underperform in competitive exams due to
- their writing difficulties. Adults with untreated dysgraphia often report continued challenges
- in professional documentation and organization skills (Berninger & Wolf, 2009).

Children with dysgraphia experience academic setbacks, particularly in written exams and classroom participation. Their handwriting is often illegible, slow, or disorganized, which affects self-confidence. These children may avoid writing tasks, experience anxiety, and feel socially isolated. Teachers may misinterpret their struggles as laziness or low intelligence. Over time, these students may develop low self-esteem, frustration, and a negative attitude toward school, impacting their long-term educational trajectory and mental health (Berninger & Nielsen, 2008). In India, where exams and written expression are the primary modes of academic evaluation, dysgraphia has a disproportionately negative impact. This underscores the urgent need for early identification and structured intervention modules at the foundational level.

Existing tools and technique in the area of early identification and early

intervention

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- In India, tools for identifying Specific Learning Disabilities (SLD) are gradually evolving,
- but only a limited number specifically address writing difficulties such as dysgraphia. Like
- 312 PRASHAST(Pre-Assessment Holistic Screening Tool), it is a disability screening checklist
- 313 for schools PRASHAST is only for screening and referral to facilitate early screening,
- 314 identification and interventions for CWSN, the Government through NCERT has developed
- PRASHAST, a mobile AppPRASHAST 2.0 to digitally screen students for possible
- disabilities at school level. (Ministry of Education, Government of India, 2025, pp. 2)
- 317 Government of India (GoI) recognizes the need for standardized tools for assessment of
- 318 children with Specific Learning Disabilities (SLD) as defined in the RPwD Act 2016. To this
- end, culturally relevant assessment tools including NIMHANS SLD Battery (NSB) and
- 320 Grade Level Assessment Device (GLAD) for dyslexia have been developed for younger
- 321 children by national institutes/ institutes of national importance under the GoI such as
- National Institute of Mental Health and Neuro Sciences (NIMHANS) and National Institute
- for the Empowerment of Persons with Intellectual Disabilities (NIEPID). Further, NIEPID
- has taken-up the following research projects to develop assessment tools for identification of
- Persons with Dyslexia and Learning Disorders, as part of Make in India program(Ministry of
- 326 Education, Government of India, 2025, pp. 2–3).
- 327 NIEPID has also developed assessment tools including (1) Functional Assessment Checklist
- for Programming (FACP), (2) Grade Level Assessment Device (GLAD), (3) Behaviour
- Assessment Scale for India Children with Mental Retardation (BASIC-MR), (4) Behaviour

330 Assessment Scale for Adult Living Mental Retardation (BASAL-MR) and (5)

Comprehensive Vocational Assessment Tool (C-VAT), which are being widely used in India.

332 These are supplemented by digitalized tools/forms developed by NIEPID in collaboration

with various Disha Abhiyaan organizations, i.e. (1) Individualized Education Proforma (IEP

(2) eSupport for Autism, Neurodiversity Integration, Development, Home Care & You

335 (eSanidhya)(Ministry of Education, Government of India, 2025, pp. 2–3).

Another standardized tool, NIMHANS Index for Specific Learning Disabilities, developed by

the National Institute of Mental Health and Neurosciences (NIMHANS), Bengaluru, is one of

the earliest Indian tools designed to evaluate Specific Learning Disorders in alignment with

the school curriculum (Kapur et al., 1991; Panicker et al., 2015). It is administered in two

levels: Level I for younger children (approximately ages 5–7 years) assessing basic

perceptual, motor, memory and emerging literacy skills, and Level II for older children

(approximately 8-12 years, and in practice sometimes up to 16 years) assessing reading,

spelling, writing, comprehension and arithmetic skills (Roopesh, 2021). Because the

assessment is curriculum-based, it compares a child's performance with expected grade-level

competencies rather than international standardized norms, making it highly relevant for

346 Indian classrooms (Panicker et al., 2015).

While the tool is useful for identifying learning disabilities including dyslexia, dysgraphia

and dyscalculia, it has certain limitations. It requires administration by trained professionals,

is time-consuming, and may not fully assess older adolescents or children studying in non-

mainstream curricula (Roopesh, 2021). In the context of dysgraphia, the NIMHANS battery

evaluates spelling, handwriting, and written expression and can therefore support diagnostic

decisions, but it does not provide a detailed breakdown of graphomotor fluency, fine-motor

coordination, or handwriting quality (Shah et al., 2019). This means that while the tool

contributes to identifying dysgraphia, it does not comprehensively assess all components of

writing disability and may need to be supplemented with additional assessment tools

(Panicker et al., 2015; Shah et al., 2019).

There is no such identification and intervention module available in Indiawhich particularly

talk about dysgraphia, thereby emphasizes towards the need of one.

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Recommendations

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- Based on the review and analysis, the following recommendations are proposed for
- addressing dysgraphia at the foundational level in India:

364 Early Screening and Identification

- → Develop standardized screening tools in regional languages for children in Grades 1–2.
- 366 Train teachers to recognize early warning signs such as poor handwriting, inconsistent
- letter formation, and difficulty in organizing written work.
- 368 Early identification is crucial because timely support prevents long-term academic
- setbacks and reduces the psychological distress associated with repeated failure.

Teacher Training and Awareness

- Conduct professional development workshops to enhance teachers' knowledge of
- specific learning disabilities, especially dysgraphia.
- Provide teachers with classroom strategies such as multisensory writing practices,
- 374 structured handwriting exercises, and use of assistive tools.

Development of Intervention Modules

- Create a culturally relevant, research-based module for early intervention that
- integrates occupational therapy, remedial education, and technological aids.
- The module should be specifically designed for the foundational level, as early
- intervention has the greatest impact on improving handwriting skills, strengthening
- fine motor abilities, and boosting academic confidence.
- Align the module with NEP 2020, which emphasizes inclusive and foundational
- learning.

Parental Involvement

- Educate parents on supporting children at home with activities to improve fine motor
- skills, such as clay modeling, tracing, and drawing.
- Encourage positive reinforcement to build self-esteem and reduce the emotional
- burden of academic struggles.

Policy Implementation

- Strengthen the enforcement of the RPwD Act (2016) in schools by ensuring dysgraphia accommodations (extra time in exams, use of scribes, or technology).
 - Collaborate with NGOs, special educators, and research institutions to conduct largescale studies and develop national prevalence data.

Conclusion

Dysgraphia remains highly under-recognized in India despite its significant impact on children's academic performance, emotional well-being, and long-term educational outcomes. Global research highlights its neurological basis and the value of early intervention, yet Indian schools continue to face major gaps in awareness, screening, and teacher training. Although policies such as the RPwD Act (2016) and NEP 2020 acknowledge Specific Learning Disabilities, practical implementation—especially for dysgraphia—remains limited. Existing tools like PRASHAST and the NIMHANS SLD Index support general screening but are not comprehensive enough to diagnose or intervene specifically for dysgraphia. This gap is further widened by overlapping conditions such as dyslexia and ADHD, which complicate timely identification.

Given that early childhood is crucial for developing foundational writing skills, the absence of a culturally relevant and systematically validated dysgraphia-specific module restricts children's learning opportunities and reinforces educational inequities. Developing an evidence-based module for early identification and intervention is therefore essential for supporting teachers, empowering learners, and promoting truly inclusive education in India. Such a module will bridge the gap between policy and practice, ensuring that every child with dysgraphia receives timely, appropriate, and meaningful support.

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