



SEAMEO SEN

PROCEEDINGS

OF THE

INTERNATIONAL
CONFERENCE ON
SPECIAL
EDUCATION

Published by:

SEAMEO Regional Centre for Special Educational Needs (SEAMEO SEN)
Tingkat 2, Kompleks Anjung Hikmah
IPGK Perempuan Melayu, Jalan Durian Daun
75400 Melaka, MALAYSIA
Tel: +606-2818242
Fax: +606-2820187

e-ISSN: 2948-4731

This publication is licensed under a Creative Commons Attribution 4.0 International License (CC BY 4.0). You are free to:

Share: copy and redistribute the material in any medium or format

Adapt: remix, transform, and build upon the material for any purpose, even commercially.

Under the following terms:

Attribution: You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.

No additional restrictions: You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits.

To view the full license, visit <https://creativecommons.org/licenses/by/4.0/>. For any inquiries regarding this license, please contact SEAMEO SEN.

PREFACE

It is with great honor and enthusiasm that we welcome you to the 6th International Conference on Special Education (ICSE), held under the timely and impactful theme, **“Technologies for Disabilities: A Path to Inclusion.”**

This year’s theme reflects our shared commitment to harnessing the power of technology to advance inclusive education for learners with disabilities. In today’s rapidly evolving digital world, technology holds immense potential not only to support learning but also to transform lives in offering new pathways to accessibility, participation and empowerment for all learners.

The ICSE 2025 brings together a diverse community of educators, researchers, policymakers, practitioners, and advocates from across the region and beyond. Through insightful keynote presentations, panel discussions, workshops, and paper sessions, we aim to explore how emerging technologies and assistive innovations can be integrated into educational practices to remove barriers and create environments where every learner is valued and supported.

This conference also serves as a platform for exchanging knowledge, sharing evidence-based practices, and forging collaborations that will shape the future of disability-inclusive education. It is our hope that the dialogues and ideas shared during this event will inspire sustainable actions and policies that ensure no learner is left behind.

We extend our deepest gratitude to all presenters, partners, and participants for your valuable contributions and dedication to this important cause. May this conference be a meaningful step forward on our collective journey toward equity, inclusion, and technological empowerment in education.

Theme

The theme for 6th ICSE 2025 is “**Technology for Disabilities: A Path to Inclusion**” and supported by nine (9) sub-themes:

1. Innovative Assistive Technologies in Education
2. Accessible Digital Learning Environments
3. Inclusive Educational Practices
4. Policy, Legislation and Advocacy
5. Student Empowerment and Self-Advocacy
6. Professional Development and Teacher Training
7. Artificial Intelligence (AI) & Technology
8. Accessibility Tools for Learners with Disabilities
9. Woman & Young Girls in Disability-Inclusive Education

Conference Objectives

Policy and Advocacy: To explore the pivotal role of policy in advancing Disability-Inclusive Education through technology. Advocate for policies that ensure equitable access to educational technology for individuals with disabilities.

Knowledge Transfer: To provide a platform for sharing insights into the benefits of current technologies in supporting learners with disabilities, including the application of advanced technologies like Generative Artificial Intelligence (AI) in teaching and learning.

Promote Awareness and Understanding: To increase awareness of how technology enhances educational opportunities for learners with disabilities. Showcase successful case studies, share personal experiences, and underscore the benefits of inclusive education.

Foster Collaboration: To facilitate collaboration among ministries, educators, technologists, policymakers, researchers, and advocates. Encourage the exchange of ideas, strategies, and best practices to enhance Disability-Inclusive Education at national, regional, and international levels.

Highlight Technological Innovations: To demonstrate cutting-edge technological advancements and tools designed to support the education of learners with disabilities, including assistive technologies, adaptive software, and accessible digital resources.

Address Challenges and Barriers: To identify and discuss the obstacles in implementing technology for Disability-Inclusive Education. Explore solutions to enhance accessibility, affordability, and training to overcome these challenges.

Professional Development: To offer opportunities for educators and professionals to enhance their skills and knowledge in utilising technology for inclusive education through workshops, exhibitions, and networking events.

Research and Evidence-Based Practices: To highlight recent research findings and evidence-based practices in technology and Disability-Inclusive Education. Encourage further research to advance the field and inform policy and practice.

6th ICSE Participants

The 6th ICSE 2025 is attended by 330 participants and delegates from Southeast Asia Countries and all around the world comprises of prominent speakers, teachers, educators, stakeholders, NGOs, parents, students, researchers, special education providers, policy makers, officials of MOE and interested individuals.

Organiser



Partners



In Collaboration with



PROCEEDINGS COMMITTEE ICSE 2025

Chief Editor:

1. Madam Jamilah Kadir

Article Reviewers:

1. Associate Professor Dr. Low Hui Min (Universiti Sains Malaysia)
2. Dr. Kway Eng Hock (Universiti Pendidikan Sultan Idris)
3. Dr. Mohd Syazwan Bin Zainal (Universiti Kebangsaan Malaysia)
4. Dr. Khairul Farhah Binti Khairuddin (Universiti Kebangsaan Malaysia)
5. Dr. Shyielathy Arumugam (Institut Pendidikan Guru Kampus Ipoh)

Technical Editors:

1. Dr. Mohd Azlis Sani Md Jalil
2. Mr. Mohd Anis Abdul Razak
3. Ms. Monishah Md. Shah
4. Mr. Mohd Zulkarnain Abdul Wahab
5. Mr. Ahmad Heikhah Amir Hamzah
6. Ms. Fezny Othman
7. Ms. Mizanina binti Mohamad Madon
8. Mr. Mohamad Faris Idham Zainurin
9. Mr. Muhammad Ikram Ab Aziz
10. Ms. Nadia Natasha Arshad
11. Mr. Amiruddin Abu Samah
12. Mr. Mohamad Fitri Ibrahim

Administrative:

1. Ms. Nur Masturah Ibrahim
2. Ms. Shahidah Abd Rahman
3. Ms. Jayanthi a/p Arumugam
4. Ms. Siti Zuraidah Md. Noor
5. Ms. Noor Adila Ab Khalim
6. Ms. Nuramirah Hazwani Kamarudzaman
7. Ms. Nur Harishah Ramly
8. Mr. Muhammad Aiman Abdul Rahim
9. Ms. Norasha Syuhada Mazlan

Finance:

1. Datin Era Zaffura Md. Sin
2. Ms. Noor Addlina Oshman
3. Mr. Muhammad Khairul Azhan Ali

Design and Layout:

1. Mr. Mohamad Shabilullah Abd Hamid
2. Mr. Muhammad Asyraf Maarif
3. Mr. Rusnedy Ruslan

Distribution:

1. Mr. Aris Mamat
2. Ms. Nur Amirah Hani Senin
3. Mr. Mohd Khairol Johar

MESSAGE FROM THE DIRECTOR OF SEAMEO SEN

Welcome to the proceedings of the 6th International Conference on Special Education, organised by SEAMEO SEN. We are pleased to present this compilation of insights, research, and innovative practices that reflect the theme of this year's conference: **"Technologies for Disabilities: A Path to Inclusion."**

This conference has brought together educators, researchers, policymakers, and stakeholders from across the region and beyond, united by a common vision of harnessing the power of technology to support and transform the educational experiences of learners with disabilities. It has served as a dynamic platform for the exchange of knowledge, the sharing of technological advancements, and the co-creation of inclusive solutions that pave the way for equitable learning opportunities.

Within these pages, you will discover a wealth of thought-provoking perspectives, evidence-based approaches, and success stories that illustrate how assistive technologies and digital innovations are reshaping the landscape of inclusive education. These contributions serve not only as academic discourse but as a call to action to ensure that no learner is left behind in the digital age.

We extend our sincere appreciation and best wishes to all the dedicated presenters and contributors whose commitment and expertise have enriched this conference. Your passion for advancing technology-enabled inclusive education is both admirable and essential in driving meaningful and transformative change.

As you engage with this compilation, we hope it inspires continued efforts to develop, implement, and advocate for technological solutions that empower every learner with disabilities. May your contributions continue to benefit educators, researchers, policymakers, and most importantly the learners themselves.

Together, we strive for excellence.

Madam Jamilah Kadir
Director
SEAMEO SEN



TABLE OF CONTENTS

Preface	3
Proceedings Committee ICSE 2025	6
Message from the Director of SEAMEO SEN	7
List of Full Papers	8

No.	Paper ID	Paper Title & Author(s)
Sub-Theme : Accessibility Tools for Learners with Disabilities		
1	ICSE 2025: 128-085	Development of "Intelligent Ruler" for Improving the Level of Measuring Skills in the Subject of Basic Specific Vocational Skills of Clothing Sewing <i>Che Wan Husna Syahirah C.W.R & Ma Sharipah Y</i>
2	ICSE 2025: 152-106	Advancing Inclusive Education: Exploring the Potential of Inclusive Open Educational Resources (IOER) for Learners with Visual Impairments <i>Jamilah Kadir, Jalil Azlis-Sani, Fezny Othman, Mohd Zulkarnain Abdul Wahab, Mohamad Shabilullah Abd Hamid, Rusnedy Ruslan, Kway Zi Bin & Nur Alya Asyfa Abd Rahman</i>
3	ICSE 2025: 015-008	Enhancing Literacy: Innovative Strategies for ALS Learners with Disabilities <i>Dionito F. Mangao Jr., Al Jerald V. Leyson, Ana Rose B. Atendido, Elma P. Aure & Felisa C. Matel</i>
4	ICSE 2025: 107-078	S.A.L.A.M. An Inclusive Sensory Intervention Framework with Lego, Art and Mood Board for Special Needs Students in Malaysian Classroom <i>Geh Cheow Lin, Philip Lew Chun Foong, Normazlinda Mohamed Zi, Rossaidi Ngah & Shamsudin Mohamad</i>
Sub-theme: Inclusive Educational Practices		
5	ICSE 2025: 017-009	An Effective Teaching Methods to Increase Deaf Student's Motivation in Higher Education Setting <i>Siti Suhaila Samian & Nur Adiba Rosle</i>

6	ICSE 2025: 125-084	Application of the Viet Nam Corresponding Response Theory in Sensory Therapy for Children with Autism <i>Nguyễn Thị Lan Anh, Nguyễn Xuân Tuấn Anh, Nguyễn Thị Hương, Đỗ Thị Thao & Nguyễn Thị Lan</i>
7	ICSE 2025: 081-058	Emotional Dependency in Student-Teacher Relationships: Enhancing Inclusive Education Services for Preschool Students <i>Nur Amira & Mohd Syazwan Zainal</i>
8	ICSE 2025: 078-035	Inclusive Educational Practices in Sarawak: A Decade of Progress (2015-2025): An Analysis of Published Journal Articles <i>Dayang Dayana Abg Abd Nasir</i>
9	ICSE 2025: 093-060	Inclusive Mathematics Teaching in Primary Schools: Issues and Challenges <i>Ariff Mu'azzam Ab Halim, Mohd Norazmi Nordin & Muhammad Sofwan Mahmud</i>
10	ICSE 2025: 031-054	Kokali: An Innovative Method for Teaching Multiplication in Remedial Programs <i>Siti Hadijah Rahamat</i>
11	ICSE 2025: 013-006	Scaling Systemic Inclusion: The Perkins India Model Program as A Strategy for Transforming Mainstream Education <i>Sabah Saeed & Reeta Massey</i>
12	ICSE 2025: 168-112	Need Based Inclusive School Model: Redefining Inclusion for Children with Disabilities in Nepal <i>Kedar Prasad Adhikari, Baburam Dhungana & Niroj Giri</i>
13	ICSE 2025: 108-068	Pre-Service Teachers' Attitudes Toward Inclusive Education: Impact of Exposure to Inclusive Education <i>Vernon Jeffery S. Ponce, Jeremy Adrian D. Guiang & May Flor C. Rivera</i>

--	--	--

14	ICSE 2025: 101-059	Profiling Autistic Traits in Malaysian Boarding Schools: A Descriptive Analysis <i>Mariam Zahiah Tazali & Mohd Syazwan Zainal</i>
15	ICSE 2025: 116-079	Research on Proposing a Comprehensive Support Ecosystem Model for Children with Disabilities and Their Families in Vietnam <i>Dinh Nguyen Trang Thu, Pham Thi Thuan, Nguyen Thi Thanh Hoan & Pham Thi Hong Mai</i>
16	ICSE 2025: 114-077	Towards Inclusion: Building Employability and Advocacy through the Special Educational Week Program <i>Zainoriza Zainun</i>
17	ICSE 2025: 086-043	Untrained but Undeterred: Challenges and Strategies of Receiving Teachers in Inclusive Education <i>Veia Mae D. Giger, Daisy M. Corpuz, Mariche C. Llanto & Susan Vicente D. Villarente</i>
18	ICSE 2025: 154-109	Voices Beyond Silence in Inclusion: An Inquiry into Secondary Teachers with Deaf Learners in Mainstream Classrooms <i>Susan Vicente D. Villarente & Everly Cosmod</i>
Sub-Theme : Innovative Assistive Technologies in Education		
19	ICSE 2025: 098-089	Project-Based Learning in Catering: Developing Skills, Confidence, and Employability among Students with Special Educational Needs (SENS) <i>Viknesvari Letchumanan, Fahrurrazi Ramdhan, Zulyanei Badoldin & Nornazira Suhairom</i>
Sub-Theme : Artificial Intelligence (AI) & Technology		
20	ICSE 2025: 029-018	Using ChatGPT to Mentor Parents in Enhancing Language Development for Children with ASD 2-5 Years Old through Home-Based Daily Activities in The Vietnamese Context

		<i>Quyên Pham (Pham Thi To Quyên), Ha Mai (Mai Dang Ngoc Ha) & Ha Cao (Cao Thi Ha)</i>
--	--	--

Sub-Theme : Policy, Legislation and Advocacy		
---	--	--

21	ICSE 2025: 140-099	Breaking Barriers from Classroom to Campus: Enhancing Higher Education Access for PWD Students with Learning Disabilities in Selangor <i>Fazlilawati Fadzil, Norazlin Adan & Afifa Hanim Mohamad</i>
----	-----------------------	---

22	ICSE 2025: 152-107	Feasibility Study on Supporting Deafblind Individuals in Malaysia: Challenges, Opportunities, and Recommendations <i>Jalil Azlis-Sani, Mohd Anis Abdul Razak, Jamilah Kadir, Mohd Zulkarnain Abdul Wahab, Monishah Md. Shah, Mohamad Faris Idham Zainurin, Mizanina Mohamad Madon & Fezny Othman</i>
----	-----------------------	---

23	ICSE 2025: 102-061	The Language Vitality among the Different Ethnolinguistic Groups in Higher Education Institutions in Region XII: A Multiple Case Study <i>Eden Stephanie B. Bolido</i>
----	-----------------------	---

24	ICSE 2025: 084-040	The Role of School Leadership in Inclusive Education: A Policy Framework Towards Academic Success <i>Susan Vicente D. Villarente, Vania Mercy N. Durante</i>
----	-----------------------	---

Sub-Theme : Professional Development and Teacher Training		
--	--	--

25	ICSE 2025: 066-026	Capacity Building for In-Service Teachers in Integrated Special Education Programs (PPKI): Advancing Implementation of Specific Vocational Skills (SVS) <i>Fatin Nur Amira Kamisan, Nornazira Suhairom & Mohd Asnorhisham Adam</i>
----	-----------------------	---

26	ICSE 2025: 153-108	Knowledge for Teaching Mathematics to Students with Special Education Needs with Learning Disabilities: A Need Analysis <i>Ainin Sofia Rasidi, Roslinda Rosli & Khairul Farhah Khairuddin</i>
----	-----------------------	--

27	ICSE 2025: 082-038	Pre-Kindergarten Transition Program (PTP) for Child Development Workers (CDWs) <i>Jeremy Adrian D. Guiang & Andrian A. Dela Cruz</i>
28	ICSE 2025: 117-082	The Effectiveness of Online Mentoring in Training the Competency of Special Education Teachers in Teaching Reading Skills Using the Basic Phonics Method <i>Wan Abdul Rahman Wan Ali & Hasnah Toran</i>
Sub-Theme : Student Empowerment and Self-Advocacy		
29	ICSE 2025: 060-023	Classroom Behavior Management: Evidence-Based and Strategies <i>Chinette Penaflor</i>
30	ICSE 2025: 036-022	Enhanced Learning, Empowering Lives: A Community-Based Learning Approach for Students with Special Needs <i>Adron Wee Yijie, Serene Yong Lee Lian, Florence Loh Seow Wei & Arumugam Prasana Priya</i>
31	ICSE 2025: 042-056	Parental Awareness on Career Path for Special Educational Needs Students: Highlights from A Networking Program <i>Ayu Ashilla Mustapa, Enio Kang Mohd Sufian Kang, Norhayati Sulaiman, Juraiza Abd. Jamil & Nor Shazwani Mohamad Yakob</i>
32	ICSE 2025: 117-083	Poultry Farming Skills as a Career Transition for Special Students (MBPK) <i>Rasidah Ismail</i>



SEAMEO SEN
SEAMEO REGIONAL CENTRE FOR SPECIAL EDUCATIONAL NEEDS

