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CoSMEd-X 2023 TIMETABLE

DAY 1 (31 st OCTOBER 2023, TUESDAY)		
TIME	VENUE	PROGRAMME
0800 - 0900	SEAMEO Hall	Registration/Housekeeping The arrival of Guest
0900 - 0945	SEAMEO Hall	Keynote Address (1): "Education for Unknown VUCA World" Keynote Speaker: Dr. Janchai Yingprayoon Moderator: Dr. Warabhorn Preechaporn
OPENING CEREMONY CoSMEd-X 2023		
0955 - 1005	SEAMEO Hall	<ul style="list-style-type: none">▪ National Anthem – <i>Negaraku</i>▪ SEAMEO Colours▪ SEAMEO Song▪ RECSAM Song▪ Du'a Recital▪ RECSAM Forges Ahead Corporate Video
1005 - 1015		Welcoming Speech by Dr. Shah Jahan Bin Assanarkutty Centre Director, SEAMEO RECSAM
1015 - 1025		Opening Message & Official Opening Ceremony of CoSMEd-X 2023
1025 - 1045		Science Show
1045 - 1100	TEA BREAK	
1100 - 1200	MakerSpace, Knowledge & Management Unit, RECSAM	OPENING CEREMONY MAKERSPACE SEAMEO RECSAM
1200 - 1400	LUNCH BREAK	



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DAY 1 (31 st OCTOBER 2023, TUESDAY)				
1400 - 1445	SEAMEO Hall	<p>Keynote Address (2):</p> <p><i>"Fostering Teachers' Adaptive Expertise in Teaching Interdisciplinary Mathematics and Science"</i></p> <p>Keynote Speaker: Dr. Wanty Widjaja</p> <p>Moderator: Dr. Nanthini Jayaram</p>		
Parallel Session (1)				
1500 - 1700	Penang Room 1	PENANG ROOM 1	PENANG ROOM 2	THAILAND ROOM 1
	Penang Room 2	<p>OPM010: C-BHQ: A Cybergogy Approach on Student's Achievement in Born-Haber Cycle, Chemistry Learning Motivation, and Future-Ready Learning Skills</p> <p>Siti Nor Fazila Binti Ramly</p>	<p>OPM003: Exploring Students' Perceptions and Abilities in Conditional Probability Problem-Solving</p> <p>Durga Gnanasagaran</p>	<p>OPM006: Towards a Framework for Understanding the Meaning of Fractions</p> <p>Rosmawati Binti Mohamed</p>
	Thailand Room 1	<p>OPS024: Enhancing Higher Order Thinking Skills (HOTS) Through Project-Based Learning (PbL) In Preschool Classroom</p> <p>Siew Siew Kim</p>	<p>OPM004: Preliminary Investigation: Teachers' Perception on Computational Thinking Skills for Mathematics Classroom</p> <p>Warabhorn Preechaporn</p>	<p>OPS039: Use Of Artificial Intelligence <i>"Checkmath"</i>: Helps Improve Mastery Of Numbers And Operations Through A Student-Centered Approach</p> <p>Mohd Akmal Arif Bin Md Yusop</p>
		<p>OPM015: Integrating Computational Thinking Skills into Chemistry: Impact on Problem-Solving and Gender</p> <p>Samri Chongo</p>	<p>OPM 008: Impact of Digital Teaching Aids on the Academic Performance of Year 4 Pupils in Coordinates</p> <p>Lee Jia Rou</p>	<p>OPM002: Educators' Perception of Programming Module on Mathematics Instruction for Primary School</p> <p>Masyithoh Md Zuber</p>
		<p>OPI011: Reinforcing Assessment Skills Of Science Teachers Through Project E-Stomata (Enhanced- Science Teachers Observing, Measuring, Assessing, Testing And Analysis Of Learners' Products)</p> <p>Ronaldo C. Reyes</p>	<p>OPI009: What We Have Learned about Teachers' Questioning from 100 Mathematics Lessons Visiting?</p> <p>Wei-Min Hsu</p>	<p>OPM007: A Study of Pre-Service Teachers' Interest in Fundamentals of Programming toward Achievement in Decision Mathematics Courses</p> <p>Mohd Shafian Bin Shafiee</p>



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DAY 1 (31 st OCTOBER 2023, TUESDAY)		
	<p>OPS052: AP Model: A Visualization Tool For Learning The Application Of Boyle's Law Among Matriculation Students</p> <p>Chow Lai Kim</p>	<p>OPI010: Enhancing Mathematics Teachers' Diagnostic Competence Through The SMART Test</p> <p>Miftahul Hidayah</p>
	<p>OPS027: A Kirkpatrick Model Evaluation of the Southeast Asian Science Teacher Training</p> <p>Deva Nanthini A/P Sinniah</p>	<p>OPI012: On The Nullity Of Some Families Of R - Partite Graphs</p> <p>Lyca DC. Marcelino</p>
	<p>OPS033: Enhancing Understanding Of Redox Reactions Through Practical Engagement: A Study On The Integration Of The Chem Redox Kit With Microscale Teaching Of Chemistry</p> <p>Komathy Veerasinghan</p>	<p>OPS055: Anaku Bitara (Proakbi) Programme: Indicators for Literacy and Numeracy Mastery of Year 5 and Year 6 Pupils</p> <p>Noorzeliana Binti Idris</p>
	<p>OPS046: The Effects of Tabletop Games Among Form 4 Students in Critical Thinking Disposition In Learning Periodic Table Of Elements</p> <p>Yip Chin Chin</p>	<p>OPM084: The Implementation of Integrated STEM Project-Based Learning (PBL) e-Module</p> <p>Zamhari Azman</p>
	<p>OPM009: Mnemonics Strategy in Enhancing Graph Sketching Skills</p> <p>Lim Teng Kee</p>	<p>OPS042: Teacher Sharing Classroom (Tsc) Basics Computer Science Teacher Towards The Digitalization Of Teacher Education In Perak State (Pilot Study)</p> <p>Amjad Anas bin Abd Malek</p>
	<p>OPS053: Engagement of Jahai Indigenous Students in Integrated STEM Learning through the Kombucha Tea Fermentation</p> <p>Ahmad Adnan Bin Mohd Shukri</p>	<p>OPS071: Virtual Reality Trainers for Students with Disability: Analysis of Students' Motivation and Motor Performance</p> <p>Nur Azlina Mohamed Mokmin</p>
	<p>Moderator: Ms. Bhavani Ramasamy</p>	<p>Moderator: Dr. Kamalambal Durairaj</p>
		<p>Moderator: Dr. Bala Murali Tanimale</p>
END OF THE DAY		



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DAY 2 (1 st NOVEMBER 2023, WEDNESDAY)				
TIME	VANUE	PROGRAMME		
0845 - 0900	SEAMEO Hall	Housekeeping		
0900 - 0945	SEAMEO Hall	Keynote Address (3): “Empower Your Critical Thinking: The Path to Achieve Innovation, Creativity, and Success” Keynote Speaker : Dr. Fong Ho Kheong Moderator: Dr. Kamalambal Durairaj		
0945 - 1000	TEA BREAK			
Parallel Session (2)				
1000 - 1230	Penang Room 1	PENANG ROOM 1	PENANG ROOM 2	THAILAND ROOM 1
	Penang Room 2	OPS063: Evaluation of STEMEC Program Implementation in Malaysian Primary Schools: A Pilot Test of Input, Process, and Product Assessment Norfadhillah Binti Yusoff	OPS062: Kit Subadd Vismat Application Innovation : A Simple and Fun Way to Learn Addition Norhayati Binti Abd Aziz	OPM014: Monitoring/Evaluating Tool(s) Development for Lifelong Skills-Enhancement e-Programmes as Exemplars to Sustain Quality of Science and Mathematics Education in VUCA world. Ng Khar Thoe
	Thailand Room 1	OPM016: Survey on Computational Thinking Skills with Internet of Things (IoT): Assessing Educators' Perspectives Sivaranjini Sinniah	OPS036: Mastering Differentiation: A Hands-On Approach Sarveswary A/P T.Velayutham	OPS077: Augmented Reality as a Learning Media on Climate Change in Malaysia Setia Erlila Refman Adrus
		OPS059: My Lovely Pet Hasni Yusop	OPI017: A phenomenological study of teachers' professional learning and their understanding of making meaning in mathematics Zingiswa Jojo	OPI008: Lesson Study: The Tale of a Fair Game Imelda Cristina B. Carcosia



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DAY 2 (1st NOVEMBER 2023, WEDNESDAY)

	<p>OPS064: Higher-Order Thinking Skills in Teaching and Learning of Substance Movements Across the Plasma Membrane</p> <p>Nurashikin Binti Muzafar</p>	<p>OPI018: Ethnomathematical Practices in Tahiti (<i>Thysanolaena Latifolia</i>) Farming: Integration for a Localized and Authentic Mathematics Curriculum</p> <p>Wrendell C. Juntilla</p>	<p>OPS072: Digital teaching in enhancing effectiveness of students leaning</p> <p>Rohani Binti M.M Yusoff</p>
	<p>OPS076: The Integration of Blended Learning with the Digital Platform Wakelet in Organic Chemistry Learning for Matriculation Science Students in Semester 2</p> <p>Kong Suet Lee</p>	<p>OPI019: Mathematical Investigation in HyFlex Setup: Affordances and Constraints for Engineering Students' Participation</p> <p>Edrian Peter B. Villanueva</p>	<p>OPS065: Affective Factors on Malaysian Preservice Science Teachers Readiness Towards the Delivering of STEM Education</p> <p>Rabiatul-Adawiah Ahmad Rashid</p>
	<p>OPI028: Assessing General Biology Self-Learning Modules Through A Science-As-Practice Lens</p> <p>Jameelyn M. Maramag</p>	<p>OPS056: Numberless Word Problem Strategy In Sentence-Based Mathematics Problem Solving Skills Among Year 5 Pupils</p> <p>Dzaquan Ang Binti Dzaqoff Ang</p>	<p>OPS078: Developing Water Level System Encouraging STEM Skills Among Students</p> <p>Hartini Bt Hashim</p>
	<p>OPS075: The Effect of Predicting Observing and Explaining Learning Strategies Integrated Visualization on Conceptual Understanding in Chemical Bonding</p> <p>Nurulhuda Binti A.Ghani</p>	<p>OPM068: The Relationship Between Level of Metacognitive Skills Towards Achievement of Mathematical Problem-solving in Primary School</p> <p>Seow Wen Qiang</p>	<p>OPS019: From Virtual To Tangible: Enhancing Stem Teaching And Learning With 3D Printed Models</p> <p>Yong Zi Wei</p>
	<p>OPS025: Implementation Of 4C Elements In Online Project-Based Learning To Assist Students' Communication Skills And Problem Solving Skills For Biology Subjects</p>	<p>OPM047: Mastering Division with MD'Teknik Fueling Year Three Students' Math Enthusiasm and Academic Triumph</p>	<p>OPS043: Teacher Education Institute Students' Perspective on Adopting Mobile Learning in Science</p>



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DAY 2 (1 st NOVEMBER 2023, WEDNESDAY)				
		Ehqa Dhabita Bt. Mohd Nasir OPS083: Involving Students in Developing Atom Model to Enhance their Understanding of the Atomic Structure: An Action Research Project Hazura Ab Bakar Moderator: Dr. Warabhorn Preechaporn	Chin Jack Onn OPS067: Science and Maths in the VUCA World: A Comparative Insight into the UK Professional Standards Framework (UKPSF) and the Kerangka Kompetensi Guru Bidang STEM (KKGB STEM) Wong Minh Chjiat Isabelle Moderator: Dr. Jeyaletchumi Muthiah	Lok Wai Foong OPS001: The Evaluation Of Stem Makerspace Workshop Using Kirkpatrick’s Evaluation Model Loh Su Ling Moderator: Dr. Nur Jahan Ahmad
1230 - 1400	LUNCH BREAK			
1400 - 1445	SEAMEO Hall	Keynote Address (4): “Getting All Emotional About Science Communication and Teaching” Keynote Speaker: Dr. Graham Walker Moderator: Ms. Bhavani Ramasamy		
Parallel Session (3)				
1500 - 1615	Penang Room 1 Penang Room 2 Thailand Room 1	PENANG ROOM 1 OPS050: From Classroom to Clean Energy: The MinUS-C Module's Impact on Solar PV Education Muhamad Kamarul Azman Bin Sulaiman OPM013: The Quality Of Teaching And Learning Of The Lecturers On The Satisfaction Level Of The Institute Of Teacher Education’s Kalaiwani A/P Manoharan	PENANG ROOM 2 OPS032: The Effectiveness of APOS-ACE Teaching Approach in Improving the Performance of Understanding, and Application-Analysis in Differentiation Topic among Matriculation Students Thavarajah A/L Selvarajah OPS034: Differentiated Learning: Utilization of Alternative Methods to Assist Year Four Students in Mastering Multiplication Skill Ang Pei Sun	THAILAND ROOM 1 OPS021: Safeguarding Intangible Cultural Heritage Through Game-based Learning Using Minecraft Digital Tool Pang Yee Jiea OPS022: Empowering Educators: An International AI, Python, and Robotics Bootcamp Thong Ying Li



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DAY 2 (1 st NOVEMBER 2023, WEDNESDAY)			
1900 - 2200	<p>OPM081: Goal Setting as a Metacognition Skill Among Four Physics Students</p> <p>Bala Murali Tanimale</p>	<p>OPM080: STEAMing Ahead: Leveraging Graphing Technology to Foster Mathematical Thinking through Dynamic Exploration of Graphs of Functions</p> <p>Jeyaletchumi Muthiah</p>	<p>OPS023: Teaching Standards in Artificial Intelligence (AI) Realm: Challenges in Equipping Students Beyond The Application of Technology in Science Education</p> <p>Azizi Bin Alias</p>
	<p>OPI021: Impact of Brain-Based Teaching on the Conceptual Understanding of Newton's Laws of Motion</p> <p>Rosendo B. Comillo III</p>	<p>OPS044: Tessellation on Transformation Geometry in Mathematics Classroom</p> <p>Phang Siaw Ling</p>	<p>OPS029: An Experiential Learning Approach to Develop Graduate Attributes</p> <p>Nur Jahan Ahmad</p>
	<p>Moderator: Ms. Deva Nanthini Sinniah</p>	<p>OPM049: Ameliorating Lower Secondary Pupils' Mathematical Thinking and Ability through the Design and Development of a Mathematics Guidebook</p> <p>Chiang Kok Wei</p> <p>Moderator: Dr. Wan Noor Adzmin Binti Mohd Sabri</p>	<p>OPI024: Mathematics Teachers' Readiness in Information and Communication Technology (ICT) Implementation for Mathematics Teaching</p> <p>Sulistiawati</p> <p>Moderator: Ms. Shazmin Kithur Mohamed</p>
	CoSMEd-X 2023 BANQUET DINNER		

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DAY 3 (2nd NOVEMBER 2023, THURSDAY)

TIME	PLACE	PROGRAMME		
Parallel Session (4)				
0830 - 1030	Penang Room 1	PENANG ROOM 1	PENANG ROOM 2	THAILAND ROOM 1
	Penang Room 2	OPS060: Titration Experimental Assessment using Digital Science Comic Book Sathia Kumaran A/L Krishnan	OPI014: Exploring Project CREATE Mathematics and Peer-Assessed Gallery Walk in Teaching Mathematics Jessie B. Aquino	OPS030: Aye Aye, Captain! Let's Embark on an Engaging Virtual Math Learning Journey! Lai Wai Tung
	Thailand Room 1	OPS017: The Effectiveness of Implementing the Multiple Intelligences Approach Enhancing the Malaysian Primary Students' Science Process Skills Suzlipah Binti Sanusi	OPS058: Improving the Skills of Adding and Subtracting Length Measurements of Year 5 Arif using Jo Double321 Method Suhaila Binti Ishak	OPS035: Relationship Between Constructive Feedback Practices By Appraisal Officers And Performance Appraisal Effectiveness Majelan Bin Sulong
		OPS040: Demystifying Delusion And Unveiling The Crypt In Learning Science And Mathematics Via The Dual Language Program Ashairi Suliman	OPS016: Analyzing Mathematics Anxiety and Its Related Factors Using DEMATEL Method Jamiatun Nadwa Binti Atak @ Ismail	OPS037: From Blocks to Code: An Insight Into Students Transitioning From Scratch To Java Siti Sakinah Binti Mohd Yusof
		OPS045: Development And Usability Testing For Augmented Reality Application, Carbon-Ary For Carbon Compound Topic In Chemistry Subject Izzul Syahmi Bin Che Russlee	OPS057: Application of Engineering Design Process (EDP) in implementing Integrated PBL for Secondary School Students Suhanna Binti Zainudin	OPS038: Teachers' Self-Efficiency and Acceptance Of Technology Stem Against Pedagogy Based on ICT in Schools With Less Students Muhammad Amin Bin Abu
		OPS073: Assessing the Validity and Reliability of a Research Instrument for Measuring Science Literacy, Higher-Order Thinking, and Student Achievement: A Comprehensive Analysis Marina Binti Mokhtar	OPS018: STEAM Education: Understanding and Readiness Among Malaysian Teacher Trainers Sharon Tay Siew Ing	OPM082: Advancing Technology Integration in Southeast Asian Education: Empowering Educators with Policy Insights Kamalambal Durairaj
		OPI007: Advancing the Cultures of Science Teaching and Learning in South African schools Shaheed Hartley	OPI029: Project-Based Learning Strategies to Increase Student Creativity Skills in "Kurikulum Merdeka" Sifak Indana	OPM066: Rise of Metaverse Literature in Asia-Pacific Countries: Bibliometric Study Walton Wider

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DAY 3 (2 nd NOVEMBER 2023, THURSDAY)				
		<p>OPS061: The Forward-Backward And Dual-Panel Translation Methods Are Comparable In Producing Semantic Equivalent Versions Of A Computational Thinking Skills Questionnaire</p> <p>Rose Enne Emellia Binti Mohamed Razali</p> <p>OPS069: Validation of An Instrument for Measuring Malaysian Secondary School Students' Science Motivation and Self-Regulation towards Science Learning</p> <p>Wan Mazlina Binti Wan Mehammud</p> <p>Moderator: Dr. Loh Su Ling</p>	<p>OPS074: Authentic Learning in Urban Farming Fertigation Project to enhance Students' Entrepreneur mind</p> <p>Mohd Norawi Ali</p> <p>Moderator: Ms. Tiana Binti Mohamad</p>	<p>OPS051: Digital Storytelling Science Creative Module</p> <p>Wan Mohd Faizal Bin Wan Mohd Nasir</p> <p>Moderator: Ms. Sanura Jaya</p>
1030 - 1045	TEA BREAK			
1045 - 1130	SEAMEO Hall	Keynote Address (5): “Developing Teacher Leadership in Schools” Keynote Speaker : Dato’ Dr. Mehander Singh A/L Nahar Singh Moderator: Ms. Sivaranjini Sinniah		
CLOSING CEREMONY CoSMEd-X 2023				
1130 - 1140	SEAMEO Hall	The Arrival of VIP Dr. Shah Jahan Bin Assanarkutty Centre Director, SEAMEO RECSAM		
1140 - 1200		<ul style="list-style-type: none"> ▪ National Anthem – <i>Negaraku</i> ▪ SEAMEO Colours ▪ SEAMEO Song ▪ RECSAM Song ▪ Du’a Recital ▪ Overview CoSMEd-X 2023 		
1200 - 1230		<ul style="list-style-type: none"> ▪ Announcement of CoSMEd-X 2023 <ul style="list-style-type: none"> • Platinum Award 		



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DAY 3 (2nd NOVEMBER 2023, THURSDAY)

		<ul style="list-style-type: none">• Gold Award• Silver Award• Bronze Award <ul style="list-style-type: none">▪ Announcement of CoSMEd-X 2023 Best Presenter Award
1230 - 1300		Closing Speech by Dr. Shah Jahan Bin Assanarkutty Centre Director, SEAMEO RECSAM
1300 - 1400	LUNCH BREAK	
1415 - 1800	CONFERENCE TOUR	

THANK YOU!