

TCTP on ‘Curriculum Innovation for STEM Education: Empowering Educators in AI and Emerging Technologies for Mathematics and Science’

23 September – 13 October 2026 | SEAMEO RECSAM, Penang, Malaysia (Science Group Timetable)

Week 1	Monday, 21 September	Tuesday, 22 September	Wednesday, 23 September	Thursday, 24 September	Friday, 25 September	Saturday, 26 September
0830-1030	SEAMEO RECSAM Welcomes You Arrival of African Participants		Opening Ceremony SHVAR	Overview of STEM Curriculum: From Understanding to Implementation SHSHP, JPN, USM	Comparative studies of Trends and Implementation Issues in STEM among African Countries SL2PSA	George Town/ Penang UNESCO World Heritage Tour (1D) Admin
1100-1300			Admin/General Briefing & Tour Facilities SHADMIN			
1430-1630			Course Briefing, Pre-test, Country Report SL2SHP		Familiarisation of RECSAM's ICT System ICT 1MFZ&BNB	
Week 2	Monday, 28 September	Tuesday, 29 September	Wednesday, 30 September	Thursday, 1 October	Friday, 2 October	Saturday, 3 October
0830-1030	Digital and AI Tools for STEM Curriculum Enhancement SL2SVR	Overview of Selected STEM Curricula SL2VSU	Introduction to AI-Supported Lesson Planning SL2MZJ	Prompt Engineering SL2SVR	Implementation Process of Malaysian Science Standards-Based Curriculum SL2AAM	Free & Easy -
1100-1300	Designing AI-Enhanced STEM Learning Experiences SL2MZJ	Synthesis and Action Planning SL2SHP&TBC		Pedagogical Framework of Claim-Evidence-Reasoning in Science Context & Data Tool: SageModeler SL2SHP & PSA	National Policies on Technology Integration in Education SL2VSU	
1430-1630	Assessment & Evidence of Learning in AI-Enhanced STEM SL2AAM	Theory into Practice (1) Lesson plan development SL2SHP		Synthesis and Action Planning SL2SHP&TBC		
Week 3	Monday, 5 October	Tuesday, 6 October	Wednesday, 7 October	Thursday, 8 October	Friday, 9 October	Saturday, 10 October
0830-1030	Theory into Practice (5) Familiarisation of School tryout (School Visit) SHP	Theory into Practice (3) Designing and Developing SL2SHP	Theory into Practice (7) School tryout TBCSHP	Challenges of Integrating AI in Standard-based STEM Learning SL2NJA	Multiplier Effects (ME 1) Introduction and proposal discussion SL2SHP	Individual Group Project Work Discussion (Self-Study) -
1100-1300	Curriculum Mapping and Alignment with Policy SL2VSU	Theory into Practice (4) Designing and Developing SL2SHP		Competency Gaps in AI-Enabled STEM Education SL2NJA	Theory into practice (10) Finalization of project work/ wrap up SL2SHP	
1430-1630	Case Study and Reflection on Implementation Challenges SL2PSA	Theory into Practice (6) Peer try-out SL2ALL		Theory into Practice (9) Reflection, debriefing and Discussion SL2SHP	Outcome-based Learning Challenges in AI-Supported STEM Classrooms SL2AAM	
Week 4	Monday, 12 October	Tuesday, 13 October	Wednesday, 14 October			
0830-1030	Theory into practice (11) Finalization of project work/ wrap up SL2SHP	Institutional Activity VR Lab Visit USMSHP	Home Sweet Home	Note: Friday Classes: 08:00–10:00; 10:30–12:15; 14:45–16:45 Science Lab 2 is the home room for Science Participants. The schedule is subject to amendment. The Blue Highlighted Box group will be combined with the mathematics group.		
1100-1300	Curriculum Innovation in Japan: Integrating STEM and AI into Science and Mathematics Education SHJICA	Post-Test & Course Evaluation SHP&SKM				
1430-1630	Multiplier Effect (ME2) Submitting ME Proposal SL2SHP	Certificate Presentation Ceremony & Cultural Show SHALL				

Abbreviation:

AZJ	Dr Azman Jusoh	Centre Director, SEAMEO RECSAM	AAM	Mr Ahmad Adnan Mohd Shukri	Education Specialist (Science), T&R Division
RUO	Dr Rusmawati Othman	Deputy Director, T&R Division	MFZ	Mr Mohd Faizal Zainoldin	ICT Manager
SHP	Dr Shamimah Parveen Abd Rahim	Course Coordinator, Education Specialist (Science)	SKM	Ms Shazmin Kithur Mohamed	Research Officer, T&R Division
PSA	Dr Parvinder Singh Amar Singh	Senior Education Specialist (Science), T&R Division	SMU	Ms Shalaneeswary Muniandy	Programme Manager
SVR	Ms Sivaranjini Sinniah	Education Specialist (Science), T&R Division	TMO	Ms Tiana Mohamad	Programme Manager
NJA	Dr Nanthini Jayaram	Education Specialist (Science), T&R Division	MRZ	Mr Muhammad Ridhwan Zari	Science Lab Technical Assistant
MZJ	Dr Mohd Zaim Jaafar	Education Specialist (Science), T&R Division	UKA	Ms Umami Kalsum Abdul Aziz	Administrative Assistant, T&R Division
VSU	Dr Vasugi Subramaniam	Education Specialist (Science), T&R Division			

Venue: **SH** (SEAMEO Hall) | **SL2** (Science Lab 2) | **MKS** (Makerspace)