

ABOUT MALAYSIAN TECHNICAL COOPERATION PROGRAMME

The Malaysian Technical Cooperation Programme (MTCP) was initiated at the First Commonwealth Heads of Government Regional Meeting (CHOGRM) for Asia Pacific Region in Sydney in February 1978. It was officially launched on 7 September 1980 at the 2nd CHOGRM in New Delhi, India, to signify Malaysia's commitment to South-South Cooperation, in particular Technical Cooperation among Developing Countries (TCDC).

Objectives of MTCP:

- To share development experience with other countries;
- To strengthen bilateral relations between Malaysia and other developing countries;
- To promote South-South Cooperation (SSC); and
- To promote technical cooperation among developing countries (TCDC).

The MTCP emphasises the development of human resources through the provision of training in various areas which are essential for a country's development such as public administration, good governance, health services, education, sustainable development, agriculture, trade and investment, ICT and banking, science and technology. Since its inception in 1980, more than 34 000 participants from 144 recipient countries have benefited from the various programmes offered under the MTCP.

For more information, please visit:

https://mtcpcoms.kln.gov.my/mtcpcoms/online/list_course

ABOUT SEAMEO RECSAM

Southeast Asian Ministers of Education Organization (SEAMEO) is an inter-governmental organisation established in 1965 among the governments of Southeast Asian countries to promote cooperation in education, science, and culture in the region. SEAMEO consists of 11 countries, namely, Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand, Timor Leste and Vietnam. It has eight associate member countries that include Australia, Canada, France, Germany, Netherlands, New Zealand, Spain and United Kingdom. The SEAMEO Secretariat is based in Bangkok, Thailand.

Regional Centre for Education in Science and Mathematics (RECSAM), is one of the 26 regional centres established by SEAMEO. It is located in Penang, Malaysia and specialised in science and mathematics education. RECSAM's goal is to enhance the quality of science and mathematics education in SEAMEO member countries. To achieve the goal, RECSAM plans and conducts programmes and activities for science and mathematics teachers and educators.

REGULATIONS

- During lectures, male participants are required to dress in long-sleeved shirts with ties and long pants. Female participants should be appropriately dressed in office attire. For formal occasions, lounge suit or national costume are required.
- Participants shall conduct themselves at all times in a manner compatible with their responsibilities as MTCP participants and abide by the laws, rules and regulations as may be stipulated by the host government in respect of this training course.



CONTACT DETAILS

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MALAYSIAN TECHNICAL
COOPERATION PROGRAMME
(MTCP)

Enhancing Learning through
Scientific Inquiry in a
Technology Enhanced
Environment

1 – 15 July 2020
SEAMEO RECSAM
Penang, Malaysia

Organised by:



SEAMEO RECSAM

COURSE DESCRIPTION

Modern society demands high-quality teaching from teachers to impact effective student learning. Teachers have to possess a great deal of knowledge and pedagogical skills, coupled with assessment practices to meet those demands and standards of assuring quality education. Therefore, continuous professional development for teachers is vital to enhance teaching skills, acquire new knowledge and develop new proficiency to improve student learning in the classroom.

Scientific inquiry is one of the effective and innovative approaches which has a strong motivational impact on students and teachers. This approach emphasises the development of higher-order cognitive skills which are critical for the development of scientific thinking. Through inquiry learning, students are generally well engaged in the investigation related to contextual situations such as working with living things, observing and explaining natural phenomena, formulating investigable questions, giving an explanation with evidence and providing suitable solutions to address questions and problems. The situation of rote learning will be minimised.

In this course, the scientific inquiry approach is intertwined with problem-based learning and project-based learning to promote deeper learning and understanding of science content knowledge. This will provide a platform to enhance pedagogical skills to promote critical thinking, multitasking, strategising, and problem-solving skills in a real-world context. The hands-on activities involved in the scientific inquiry approach enable science learning to be more meaningful, appealing and enjoyable. This would create positive impacts on students' behaviour in exploring scientific inquiry by asking questions, making predictions, making connections, making conjectures, discoveries, and generalisation in the quest for new understandings of knowledge.

Integration of ICT applications opens up the frontier to make science learning authentic and to provide the tools to sustain engagement of students learning in making sense of the real world. There is a growing importance of technological applications that will improve the students' understanding of science contents. As such, teachers need to enhance their ICT skills and related strategies to synchronise to the need of the student learning which can bring a positive impact.

Objectives

The main objective of the course is to develop participants' knowledge and skills in the teaching and learning of science through scientific inquiry. Upon the completion of this course, participants can:

- i. provide appropriate context to promote scientific inquiry approach in classroom activities;
- ii. apply relevant strategies to solve real-world problems through scientific inquiry approach;
- iii. practice scientific approach to promote meaningful learning in science; integrate ICT in science learning;
- iv. assess scientific inquiry approach in science lesson by using appropriate methods and tools; and
- v. plan, design, implement, analyse and make a connection on a science lesson plan based on a scientific inquiry approach.

Target Participants

Secondary science teachers or teacher educators/national trainers/educators from Ministry of Education and other public agencies of MTCP recipient countries. The priority of selection will be given to applicants whose major task areas are secondary science teachers/teacher educators.

Duration & Venue

The course will be conducted for 15 days, from **1 to 15 July 2020** at SEAMEO RECSAM, Penang, Malaysia.

Requirements

Applicants of the course are obliged to fulfil the following requirements:

- (1) Should be a civil servants / government officials from **MTCP recipient countries**;
- (2) Be between 26-50 years of age;
- (3) Should possess a minimum qualification of a diploma/degree in related discipline;
- (4) Should have practical experience of more than five (5) years in the secondary science education;
- (5) Should possess a good command of written and spoken English (A phone interview with short-listed candidates will be conducted by the Malaysian Missions before a final decision is made);
- (6) Should possess basic computer literacy skills;
- (7) Have not participated in any training programme under Malaysian Technical Cooperation Programme (MTCP);
- (8) Be in good health, physically and mentally, in order to complete the course; and
- (9) Due to the nature of some outdoor activities in the course, pregnant women will NOT be considered.

APPLICATION GUIDELINES

Applications should be made using the prescribed MTCP forms available at:

https://mtcpcoms.kln.gov.my/mtcpcoms/online/list_course

MTCP application forms can also be obtained from the nearest Malaysian Embassy/High Commission in recipient countries.

All application forms must be duly completed and endorsed by the Ministry of Foreign Affairs or National Focal/Aid Coordinator Agency in the respective countries (the relevant ministry or agency responsible for the overall coordination of international technical assistance) and should be submitted **ONLY** through the diplomatic channel via Malaysian Embassy/High Commission in the respective countries. Submitted application forms must be accompanied by the applicant's:

- ♣ Copy of Passport (all the pages)
- ♣ Passport sized coloured photo (3.5cm x 5cm)
- ♣ Medical Report

(Successful and unsuccessful applicants will be notified by SEAMEO RECSAM)

OTHER INFORMATION

Course Fees and Registration

All course fees are borne by the Malaysian Government.

Air Fare

A return air ticket from the capital city of the recipient country to Penang on economy class is provided for participants.

Accommodation, Meals and Allowance

Participants will be accommodated in RECSAM International House located within the training campus. Participants are strictly not allowed to bring any family members during the course. Participants will be provided with a daily allowance that is sufficient to cover daily meals and laundry.

Medical and Dental Treatment

Medical treatments will be provided at government hospitals/clinics only and the expenses will be borne by the Government of Malaysia. In case of an emergency, participants are eligible to be admitted to government hospitals/clinics. Dental treatments are restricted to extraction and filling only.

Visa with Reference (VDR)

- Course participants must comply with the Visa with Reference (VDR) application procedure to enter Malaysia. They must possess a valid passport or other internationally recognised travel document and visa, if necessary, valid for at least 6 months beyond the period of stay in Malaysia.
- SEAMEO RECSAM will apply for VDR at the Department of Immigration, Malaysia and a copy of the VDR Approval Letter will be forwarded to the successful participants, subsequently with the copy of the approval letter, the participants must collect the VDR from the nearest Malaysian Embassy/High Commission.
- Participants from some countries are required to take a mandatory vaccination for yellow fever at least 10 days prior to their departure to Malaysia. Yellow Fever certificate is required to be produced upon landing in Malaysia for countries as listed at the link below: <https://www.imi.gov.my/index.php/en/main-services/visa/visa-requirement-by-country.html>

NOTE: Successful participants must arrange for their own visa prior to travel.

Application Deadline

1 April 2020