REVITALIZING ODELIA: THE SOUTHEAST ASIAN JOURNAL ON OPEN AND DISTANCE LEARNING

Welcoming the New Normal, SEAMOLEC Holds its 26th GBM This Year in Face-to-face Mode

2nd Phase of TIESEA Project: Optimizing Technology for Better Learning Engagement
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CONTENTS

Enhancing Adaptability and Innovation Through the SEAMEO KM Forum ................................................................. 4

Continuation of SEAMOLEC Program at STOU .................................................. 5

The Vocational-based Distance Learning Program at Surabaya Aviation Polytechnic ................................................. 6

The Government of Kota Pariaman Aims to Improve Human Resources Quality with SEAMOLEC ...................................................... 7

Who is who .......................................................................................... 8

Welcoming the New Normal, SEAMOLEC Holds its 26th GBM This Year in Face-to-face Mode ...........................................10

SEAMOLEC and The Indonesian School in Jeddah Are Striving to Enhance The Quality of Education Abroad .......................................................... 12

SEAMOLEC Assistance Programme in Supporting PPSDMPU at API Banyuwangi ................................................. 13

2nd Phase of TIESEA Project: Optimizing Technology for Better Learning Engagement .................................................. 14

Revitalizing ODELIA: The Southeast Asian Journal on Open and Distance Learning ................................................ 16

Voice-Activated AI for Effective Learning Experiences ................................................................................................. 17

Innovative Studies and Learning Models of SEAMOLEC in 2023 .................................................................................. 18

Synergy of SEAMOLEC and INFORDEPE (Instituto Nacional de Formação de Docentes e Profissionais da Educação de Timor-Leste) ............... 20
Dear readers of this SEAMOLEC Info December edition,

As we near the end of another eventful year, I am pleased to bring you the latest updates and highlights from the Southeast Asian Ministers of Education Organization Regional Open Learning Centre (SEAMOLEC). The year 2023 has been marked by significant achievements and exciting developments, which reflect our commitment to providing high-quality educational solutions in the ever-evolving landscape of open and distance learning. Collaborations are continuing to be maintained with various partners, educational institutions, and organizations to foster a conducive learning environment that leverages cutting-edge technology and empowers educators and learners alike.

This year has been truly exceptional, as we successfully conducted our 26th Governing Board Meeting (GBM) in a face-to-face mode, a testament to our resilience in the face of post-pandemic. The meeting was significant not only for its mode of conduct but also for its concurrent Regional Policy Dialogue, “Empowering Education Digital Transformation through Open and Distance Learning.” Both events involve nine out of eleven SEAMOLEC Governing Board Members representing the nine SEAMEO member countries.

In this edition, we spotlight several notable events and initiatives that have taken place over the past few months. Two of the most essential events are the Memorandum of Understanding (MOU) signing between SEAMOLEC and the Indonesian School in Jeddah, and the Government of Kota Pariaman City. These reflect the Centre’s commitment to fostering cooperation and strengthening educational initiatives in the region. These partnerships will open up new opportunities for joint projects and knowledge exchange.

Regionally, SEAMOLEC completed the second phase of the training programme with Sukhothai Thammathirat Open University (STOU), Thailand as a commitment to fostering regional cooperation in education. The theme for this training was “Video Tutorial Development,” aligning with our goal to enhance pedagogical practices and promote innovative learning resources.

We are proud to announce our assistance program for the Polytechnics of Aviation in Banyuwangi and Surabaya. Our efforts aim to provide these institutions with the tools, knowledge, and resources they need to deliver high-quality education to their students, fostering a brighter future for aspiring aviation professionals.

We believe that the accomplishments and partnerships highlighted in this edition of the newsletter are a testament to the dedication and hard work of our team, partners, and member countries. As we move forward, SEAMOLEC remains committed to its mission of advancing open and distance learning in Southeast Asia, building a brighter and more inclusive future for all.

Thank you for your continued support, and I look forward to the exciting initiatives that lie ahead in 2024.
Knowledge management (KM) is a practice to identify, manage, and utilize knowledge in an organization that can help the organization to be more adaptive, responsive, and innovative amid continuous change. The Southeast Asian Ministers of Education Organization (SEAMEO), an international organization, also sees the need to implement good KM practices among its regional centers across Southeast Asia.

On July 7, 2022, “The First SEAMEO KM Learning and Sharing Forum” was held virtually with the attendance of 100 KM staff and relevant officials/specialists from various SEAMEO units. The forum successfully revived a common understanding of KM among SEAMEO units. In addition, the forum also served as a platform to share best practices and identify initiatives that can be jointly developed and implemented by SEAMEO units to enhance their capacity and visibility. In addition, the forum aimed to strengthen working relationships and cooperation within the SEAMEO family through closer collaboration.

In SEAMEO’s Strategic Plan for 2021-2030, the challenges faced by SEAMEO units after the Covid-19 pandemic are clearly stated. The plan highlights the crucial role of the KM division and other related functions within SEAMEO units, such as public relations, partnerships, information technology, and information management systems. These units are important in transforming conventional communication strategies and information management practices.

In “The 2nd SEAMEO KM Learning and Sharing Forum”, held on August 22-23, 2023, at SEARCA, Los Baños, Laguna, Philippines, the units were presented to share good practices in their respective centers. The SEAMOLEC team was represented by the Deputy Director for Administration, Mr Yaya Sutarya, and the Community Partnership, Marketing, and Publication Officer, Ms Zahrani Balqis. Zahrani shared about SEAMOLEC’s partnership scheme.

In line with its function and concentration in the field of education and distance learning, Zahrani said that one of the partnership services at SEAMOLEC is modeling distance learning in educational units. This modeling is done by providing digital literacy competency training and digital teaching material development for teaching staff in partner education units.

Another partnership service is the development of distance learning platforms. SEAMOLEC caters to partners’ needs for Learning Management System (LMS) and Massive Open Online Courses (MOOC). Partners will receive excellent service from the initial stage until the platform is ready for use.

Apart from SEAMOLEC, the KM forum was also filled with material delivery from other SEAMEO centers. The event concluded with a historical tour to the museum of Jose Rizal, a doctor and writer who actively fought in the late Spanish colonial period in the Philippines.
CONTINUATION OF SEAMOLEC PROGRAM AT STOU

As a continuation of the collaboration program between SEAMOLEC and Sukhothai Thammathirat Open University (STOU), a two-phase training program has been conducted. The first phase of the training was successfully held online in July 2023 with the title “Presentation Design.” As a result of the training, the participants, in this case, STOU lecturers, were able to develop presentation materials with engaging designs that conform to the standards for presentation content which will be used for video tutorials.

Based on the outcomes of the first training phase, the second phase of the training was conducted face-to-face from September 26 to 28, 2023, with the theme “Video Tutorial Development.” This training was joined by all participants who took part in the first training phase with some new additional participants. All training participants were ready with presentation content created during the first phase, which would be used as video tutorial content.

During the three days of training, participants were able to develop video tutorials using the ‘Prezi’ platform. Participants were tasked with creating storylines and updating presentation materials that had been developed previously.

As a follow-up to the collaboration program, STOU has submitted a proposal to SEAMOLEC to conduct four training activities in 2024. Some of these activities are planned to be held online and will involve teachers and students from schools under the auspices of STOU as participants. Additionally, there are plans for both online and in-person training programs for STOU instructors.
THE VOCATIONAL-BASED DISTANCE LEARNING PROGRAM AT SURABAYA AVIATION POLYTECHNIC

Surabaya Aviation Polytechnic, one of SEAMOLEC’s partners, has undergone two stages of mentoring for the “Macrolearning” program, which develops a blended learning model utilizing the Learning Management System (LMS) platform. In the first stage, lecturers from Surabaya Aviation Polytechnic successfully developed blended learning plans and instructional materials based on multimedia, commonly known as e-modules. The focus of the second stage was on the development of instructional media.

From October 4 to 6, 2023, the third stage of this mentoring program was conducted, focusing on preparing instructional materials in the LMS and developing learning activities. Twenty lecturers from seven study programs successfully developed nine courses in the LMS through both individual work and group projects. Instructional materials and learning activities in the LMS emphasized the Vocational-Based Distance Learning model, with a particular emphasis on practical preparation and project development for assessment.

During the implementation of the third mentoring stage in Surabaya, a Memorandum of Agreement (MoA) was also signed between SEAMOLEC and Surabaya Aviation Polytechnic on October 6, 2023. This MoA was signed by the directors of both institutions, Dr. Wahyudi, Director of SEAMOLEC, and Ir. Agus Pramuka, MM, Director of Surabaya Aviation Polytechnic.

It is hoped that the collaboration between these two institutions in the future will continue to evolve by enhancing the content in the LMS using the latest technology, both through training programs and consulting services.
THE GOVERNMENT OF KOTA PARIAMAN AIDS TO IMPROVE HUMAN RESOURCES QUALITY WITH SEAMOLEC

The improvement of the quality of Human Resources (HR) should always be a priority for both central and regional governments. High-quality HR possesses better knowledge, skills, and competencies, which can enhance work efficiency and quality. Through high-quality HR, higher productivity can be achieved, which is deemed crucial in the development of a region.

The government of Kota Pariaman, West Sumatra, through its Mayor, Prof. Dr. H. Genius Umar, S.Sos., M.Si, stated, “The improvement of HR quality in Kota Pariaman is one of our priority programs. By enhancing the capacity of teachers in Kota Pariaman, we believe we can produce high-quality school graduates.”

With this intention, on October 2, 2023, the Mayor and his delegation visited the SEAMOLEC office in South Tangerang to discuss points of cooperation that can be implemented between SEAMOLEC and the Kota Pariaman Government.

Some of the agreed-upon program points to be developed jointly include teacher training in Kota Pariaman, collaborative research, and scholarship opportunities for Kota Pariaman’ students to continue their studies in China.

Wahyudi, the Director of SEAMOLEC, conveyed, “In an era dominated by cutting-edge technology, it is important to equip teachers with adequate knowledge and skills. This way, they can effectively utilize available technology in education and prepare a competent, innovative generation ready to face future challenges.”

Discussions between the SEAMOLEC team and the Education team of Kota Pariaman have resulted in a cooperation agreement document that has been drafted and mutually agreed upon. The document was officially signed on the same day, following the implementation of the program, which will take place in the near future.

It is hoped that the improvement of HR quality in Kota Pariaman can be realized promptly and have a positive impact on the well-being and the broader development goals of Kota Pariaman.
WHO IS WHO

The phenomenon of students hunting for internships in public and private institutions is getting stronger, and SEAMOLEC is no exception. Since the end of the COVID-19 Pandemic, SEAMOLEC has reopened internship admissions for students to provide them with hands-on work experience as well as strategic ways in the process of developing their skills later as professionals.

Since August 25, SEAMOLEC has accepted internship students from Surabaya State University (UNESA), Ibn Khaldun University (UIKA), and University of Pembangunan Nasional “Veteran” (UPNVJ) for a duration of 3-4 months. A total of 25 students were accepted as interns at SEAMOLEC and placed in various divisions at SEAMOLEC.

UNESA consisted of 9 students majoring in Educational Technology and 6 students majoring in Informatics Engineering. Meanwhile, there was 1 student majoring in Educational Technology from UIKA. The remaining were 9 students majoring in Communication Science from UPNVJ.

According to Muafi, an intern from UNESA, he is very proud to take an internship program at SEAMOLEC because he had a chance to meet representatives from various countries in Southeast Asia through various activities held by SEAMOLEC. “At SEAMOLEC, my friends and I were free to choose learning content according to our interests and learn directly from mentors who develop learning content at SEAMOLEC. In addition, we also learned new things that we did not get at university, especially about technological developments for education,” he concluded.

Devi (UIKA) said, “It was very nice to meet with experts in the educational field. Here I learned how to conduct the training, especially from the mentors. I was assigned to be a facilitator of training. This was a valuable experience for me to be able to go into the community in the future.”

For Jesica & Grace (UPNVJ), apart from work experience, they learned many skills such as designing, layouts and creating content for social media. “We were grateful to handle content design that allowed us to grow our skills. Then the mentors were also very kind and helpful
in doing the tasks given. The internship experience at SEAMOLEC was fun and memorable for us." In addition, the students from UPNVJ had a hybrid internship, attending SEAMOLEC for 2 days a week and the rest of the time doing work outside the office. This made them learn how to manage their time between internships and classes.
WELCOMING THE NEW NORMAL, SEAMOLEC HOLDS ITS 26th GBM THIS YEAR IN FACE-TO-FACE MODE

After a period of pandemic-induced disruptions, this year the Southeast Asian Ministers of Education Organization Regional Open Learning Centre (SEAMOLEC) successfully conducted its 26th Governing Board Meeting in a face-to-face mode for the first time since 2020. This landmark event took place from September 12 to 15, 2023, in Jakarta, Indonesia. The meeting was significant not only for its mode of conduct but also for its concurrent Regional Policy Dialogue, “Empowering Education Digital Transformation through Open and Distance Learning.”

Representatives from nine out of eleven governing board member countries gathered for this momentous occasion. The participating nations included Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, the Philippines, Singapore, Thailand, and Vietnam. The meeting aimed to achieve several objectives, ranging from formulating crucial policies for SEAMOLEC’s operation to conducting annual evaluations and reviews of the Centre’s programs and budgets. Additionally, it provided a platform to address pressing issues relevant to the organization’s mission.

One of the highlights of the event was the regional policy dialogue, which was held on September 14, 2023. This dialogue brought together educators, policymakers, practitioners, researchers, and stakeholders from across Southeast Asia. The overarching goal was to deliberate on strategies, policies, and best practices that could empower education through digital transformation.

Notably, all nine Governing Board members and respective representatives actively participated in the dialogue, sharing their knowledge, experiences, and best practices in implementing Open and Distance Learning (ODL) and digital technologies in education. This exchange of ideas and insights proved invaluable.
in shaping the future of education across the region, especially in the post-pandemic era.

In the aftermath of the regional policy dialogue, participants were treated to a visit to Universitas Terbuka (Indonesia Open University). This visit allowed them to witness firsthand some of the cutting-edge facilities and educational initiatives that the university has undertaken. Universitas Terbuka has long been a pioneer in the field of open and distance education in Indonesia, making it an ideal destination for SEAMOLEC delegates.

The visit culminated in a momentous event, the signing of a Memorandum of Understanding (MOU) between SEAMOLEC and the Indonesia Cyber Education Institute (ICE-I). ICE-I operates under the coordination of Universitas Terbuka and plays a pivotal role in advancing digital education initiatives in Indonesia. This partnership reflects SEAMOLEC’s commitment to fostering collaboration with institutions that share its vision of promoting accessible and quality education through innovative means.

SEAMOLEC’s 26th Governing Board Meeting in Jakarta, Indonesia, marked a significant step forward in the region’s educational landscape. As Southeast Asian nations strive to recover from the disruptions caused by the pandemic, this event provided a platform for collaboration, knowledge sharing, and policy formulation to empower education through digital transformation.
SEAMOLEC AND THE INDONESIAN SCHOOL IN JEDDAH ARE STRIVING TO ENHANCE THE QUALITY OF EDUCATION ABROAD

Only a few people know that Indonesia has Indonesian Schools Abroad (SILN) jointly managed by the Ministry of Foreign Affairs and the Ministry of Education, Culture, Research, and Technology. For over 40 years, SILN has not only served as a gateway for Indonesia's education and cultural diplomacy on three continents: Asia, Africa, and Europe, but also as a crucial means to meet the educational needs of Indonesian students residing in those regions.

One of the active SILNs that continues to operate to this day is the Indonesian School in Jeddah, located in the city of Jeddah, Saudi Arabia, providing education with an Indonesian curriculum. Given its significant role in preserving Indonesian culture, language, and identity in foreign countries, the Indonesian School in Jeddah consistently strives to enhance access and the quality of education it offers.

The Head of the Indonesian School in Jeddah, Mr. Sutikno, S.Pd., M.Pd, conveyed that “Teacher development is one of the key factors in enhancing the quality of education and students. Skilled and knowledgeable teachers who continually update their skills can provide a better learning experience for students.”

In realizing this vision, the Indonesian School in Jeddah explores the possibility of collaborating with the SEAMEO Regional Learning Centre (SEAMOLEC), which has warmly welcomed the initiative. This was marked by the signing of a cooperation document between the two institutions, held online on October 25, 2023. Both parties have agreed to undertake a series of activities aimed at enhancing the quality of teaching at the Indonesian School in Jeddah, including training and capacity-building activities for the teaching staff.

In his remarks, Dr. Wahyudi, the Director of SEAMOLEC, stated, “SEAMOLEC is ready to support the development of teachers at the Indonesian School in Jeddah by providing services, including training programs in educational technology, curriculum development, and best teaching strategies.”

The collaboration between SEAMOLEC and SILN, such as in Jeddah, is believed to enhance the quality of education and strengthen the education system as a whole. This support is a crucial step in ensuring that education remains relevant and of high quality, as well as supporting the development of Indonesian students abroad.
SEAMOLEC and the Human Resources Development of Center for Air Transportation (also known as PPSDMPU) have been in collaboration since 2021. The primary objective of this cooperation is to assist PPSDMPU in its higher education-related tasks, which include education, training, research, and community engagement. This partnership is aimed at strengthening PPSDMPU in fulfilling the Tridharma Perguruan Tinggi (the threefold mission of higher education) and enhancing the quality of education within the PPSDMPU community.

As a concrete work within this collaboration, SEAMOLEC provides assistance in the form of a mentoring programme for one of the higher education institutions under the auspices of PPSDMPU, namely the Indonesian Aviation Academy Banyuwangi (API Banyuwangi). To support curriculum development, teaching methods, and human resources at API Banyuwangi, mentoring activities were conducted on October 17-18, 2023, at Hotel Santika Banyuwangi.

This mentoring programme involved three expert speakers from SEAMOLEC, namely Timbul Pardede, Daniah Adjani Putri, and Firda Nur Istianah, who possess extensive experience in the fields of education and curriculum development. The event was attended by 30 participants, including lecturers, instructors, and educational staff from API Banyuwangi.

The primary focus of this mentoring programme revolves around four key competencies:

1. Understanding the Concept of Blended Learning in Designing Learning: Participants gained in-depth knowledge of the integration of traditional and technology-based learning methods. They learned how to design effective learning experiences by harnessing technology.
2. Development of Media-Based Learning Content in e-Modules: Participants learned to utilize media and technology, as well as to create multimedia-based learning materials that are interactive and engaging.
3. Creating Storyline for Educational Video: Participants acquired skills in crafting effective narratives or stories for educational videos. They learned how to structure a storyline that facilitates comprehension of the educational content.
4. Development of Educational Videos: Participants were guided in using tools and software to create high-quality educational videos. They learned how to edit, combine, and publish educational videos.

The results of this mentoring programme were highly positive. Participants successfully produced blended learning syllabi, e-modules, and educational videos that enhance the learning experience at API Banyuwangi. Additionally, participants gained valuable insights into the development of relevant and effective technology-based education. The collaboration between SEAMOLEC and PPSDMPU, particularly with API Banyuwangi is expected to continue contributing to the improvement of the education quality in Indonesia.
2nd PHASE OF TIESEA PROJECT: OPTIMIZING TECHNOLOGY FOR BETTER LEARNING ENGAGEMENT

The TIESEA project has commenced its EdTech intervention phase in Indonesia. Various capacity-building workshops have been conducted to equip teachers with the skills required to integrate educational technology (EdTech) in teaching and learning. Furthermore, the project has provided schools with the necessary digital equipment to carry out their daily teaching activities successfully.

Several milestones have been achieved through different activities in this intervention. The initial workshop on developing project-based lesson plans was conducted in September 2022, resulting in STEM teaching design. In November 2022, a workshop on 21st-century skills was successful in further integrating ICT learning. All participants created comprehensive ICT lesson plans with the support of Office software, designed multimedia formats (video lectures), and set up an inclusive digital library of free educational resources (Raspberry Mini Server). After completing their training, teachers showcased their lesson plans in the classroom while the students’ 21st-century skills and teaching methods were carefully observed.

The digital library and equipment support are essential tools for teachers to utilize technology effectively. However, pedagogical strategies need to be strengthened to engage students and make lessons meaningful. Teachers need to be trained in determining appropriate technology for specific topics and creating engaging content.

The second phase of teacher training focuses on enhancing students’ 21st-century skills and pedagogical knowledge in designing lessons. Providing workshops and online assistance in this phase will help bridge the gap between technology and teaching strategies. The 2nd phase of intervention is intended to empower Science and Mathematics teachers in SMPN 3, 6, 8, and 9 Naringgul related to the pedagogy foundation since most of them
are non-educational specialized teachers. Strengthening the skills to create digital materials and how to choose the appropriate apps in the lessons.

Since the schools are required to implement an emancipated curriculum (Kurikulum Merdeka), the training is also designed to align with the curriculum. Specifically, in this second intervention phase will (1) equip teachers with sufficient digital competencies to utilize technology, (2) enhance the content knowledge and pedagogical approach to deliver 21st-century learning, (3) guide teachers to pilot their lesson plans for ICT-integrated learning in Science and Mathematics subjects, (4) identify teachers’ perceptions and motivations for using technology and 21st-century learning strategies in teaching Science and Mathematics. EdTech specialists from SEAMEO SEAMOLEC, science specialists from SEAMEO QITEP in Science, and Science and Mathematics teachers (Guru Penggerak) were also involved in the second phase of the intervention. To achieve its objectives, several activities have been carried out as follows.

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<th>No</th>
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<tr>
<td>1</td>
<td>Open Classrooms Workshop</td>
<td>4-5 September 2023</td>
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<tr>
<td>2</td>
<td>Workshop on ICT-enhanced Learning</td>
<td>5 - 6 October 2023</td>
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<tr>
<td>3</td>
<td>Workshop on Microteaching</td>
<td>6 - 7 November 2023</td>
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<tr>
<td>4</td>
<td>Classrooms observation</td>
<td>16 - 17 November 2023</td>
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The TIESEA project has successfully increased teachers’ knowledge and skills in using ICT in teaching and learning. However, there are still some areas that need further development. It is expected that the teachers will have more opportunities to collaborate with each other and share their experiences in the future.
Open and Distance Learning (ODL) stands as a fundamental element in the education sector, providing adaptable and easily accessible learning avenues for a broad spectrum of students. With the ongoing evolution of technology, there is an increasing necessity to rejuvenate our educational strategies in the digital era. A crucial factor that can notably contribute to improving ODL is the revitalization of academic journals. These journals play a pivotal role as platforms for distributing research, exchanging exemplary methods, and cultivating a communal spirit among educators and learners.

The landscape of education is undergoing a transformation, driven by rapid technological advancements and evolving pedagogical approaches. ODL has emerged as a dynamic and adaptive solution to meet the diverse needs of learners, enabling education to transcend geographical boundaries. However, to ensure the continued effectiveness of ODL, it is essential to keep pace with the changing educational landscape. This is where the revitalization of academic journals comes into play.

Realizing the importance of the academic space for education as well as for ODL development to support its quality improvement, in 2023, SEAMOLEC revitalized its journal on open and distance learning. The journal called ODELIA: The Southeast Asia Journal on Open and Distance Learning, is a space for academia and other colleagues to share their initiatives on ODL issues through an article publication. This journal can be accessed through newjournal.seamolec.org. SEAMOLEC has already launched the call for paper for the second volume. The first volume of the publication titled “Strategies for Cultivating Active Learning in Online Environment” was already released. Furthermore, SEAMOLEC will be launching another call for papers for the future volume of this journal with different issues.

Furthermore, SEAMOLEC also invites all colleagues and academia to share their initiatives and ideas through this journal. SEAMOLEC hopes that there will be a lot of article contributions as well the discussion regarding the issues in the journal. Through this culture, SEAMOLEC believes that there will be a better culture and a better future for ODL, especially, in Southeast Asia.
In the ever-evolving digital era, the utilization of technology in education is a must. One of the latest breakthroughs is the development of an AI device by SEAMOLEC that enables voice interaction in two languages; English and Indonesian. It combines technology from ElevenLabs and OpenAI to create a more interactive and effective learning experience.

SEAMOLEC’s development of an AI tool, known as Robot Talk, aims to deliver a responsive, voice-based educational solution. The platform allows users to speak and listen to responses in English or Bahasa Indonesia using ElevenLabs’ technology. ElevenLabs, a text-to-speech platform, has successfully produced voices that closely resemble real human voices, including in Indonesian. This opens up opportunities for users to interact with AI through voice with a high degree of similarity. In addition, the device integrates natural language responses from OpenAI which opens the door for dynamic and informative conversations. The responses generated by OpenAI ensure that interactions with the device are not only voice-realistic but also provide relevant and useful information to the user. The combination of ElevenLabs and OpenAI creates a richer and more interactive learning experience. To run this AI tool, SEAMOLEC uses Raspberry Pi as the hardware. Raspberry Pi is a small, low-cost computer designed for general use, and it provides enough flexibility and computing capability to run voice-based learning applications. The use of the Python programming language also makes it easier to integrate and develop software that suits educational needs. This development opens up a huge opportunity to make voice-based learning more interactive and effective. Users can talk to the AI, ask questions in two languages, and listen to realistic and informative responses. This creates a dynamic learning experience, combining the advantages of voice technology with AI’s ability to provide relevant and educational answers.
In 2023, the SEAMOLEC Research and Development Division conducted two studies and four learning models. The studies include the Online Training Study and the Quality Assurance Study of PJ. Meanwhile, the learning models include (1) the optimization of ICT devices for learning in schools without internet, (2) the use of immersive technology (IMTECH) in distance learning, (3) improving the quality of Open and Distance Learning (ODL) through the use of Artificial Intelligence (AI) technology to support learning, and (4) the micro-credential model of the consortium of tourism universities.

This data collection activity is used for assessment purposes in measuring and analyzing the level of effectiveness and impact of programme implementation by SEAMOLEC. By collecting these assessment data, SEAMOLEC can obtain valuable information to improve the service quality of each programme.

For the Online Training Effectiveness Study, a qualitative instrument pilot was conducted to evaluate the impact and effectiveness of online training. The main objective was to assess the impact of SEAMOLEC’s online training over the past 5 years and make improvements based on feedback from alumni. The instrument was piloted at five SEAMOLEC online training alumni institutions, namely MAN 2 Bengkulu, BGP Bengkulu Province, SMKS Penerbangan AAG Adisutjipto, SMA Negeri 2 Sidoarjo, and SMA Negeri 2 Surabaya.

As for the Quality Assurance Scheme Study, in 2022, SEAMOLEC has developed quality assurance documents for non-formal education and formal education. For 2023, the focus is on developing a general quality assurance scheme document. This document has been reviewed by three education experts, namely Prof. Harry B. Santoso, PhD from Universitas Indonesia, Dr. Rijanto Purbojo,
S.Psi., M.Sc., and Anita Suhendro S.Kom., M.Pd from Universitas Pelita Harapan (UPH) Jakarta.

In the learning model that utilizes immersive technology, a pilot instrument has been applied to determine the readiness of educational institutions to adopt the learning model. The readiness instrument has been distributed to 45 SEAMOLEC partner institutions that have established cooperation in the field of learning that utilizes immersive technology.

As for the learning model that utilizes AI technology, a readiness evaluation instrument has been distributed to measure the readiness of educators to adopt AI-integrated learning. A total of 241 respondents who are SEAMOLEC partners throughout Southeast Asia have filled out this instrument. The data will be analyzed to understand the readiness of education units in implementing AI-based learning. A learning prototype has also been developed in the form of an AI robot application, and the instrument has been tested at SMKN1 Banyumas to measure its effectiveness.

The study data collection used quantitative and qualitative methods, using approaches such as observation, interview, questionnaire/instrument, and document analysis. The study and learning model being developed will be continued in 2024.
Aligns with one of the 7 education priorities set by the Southeast Asian Ministers of Education Organization (SEAMEO), namely, “Adopting the 21st Century Curriculum.”

The SEAMEO Regional Open Learning Centre (SEAMOLEC) and INFORDEPE, Timor Leste, committed to collaborate as official partners in enhancing teachers' competencies by utilizing learning innovations. The collaboration aimed to challenge teachers in the digital era to use technology for the teaching and learning process.

The Collaboration formalizes with a cooperation document between SEAMOLEC and INFORDEPE. A Memorandum of Understanding (MoU) was signed on Wednesday, 6 December 2023, at Beach Garden Hotel Dili, Timor Leste. Signed by the Director of SEAMOLEC, Dr Wahyudi, and the President of INFORDEPE, Mestre Domingos Martins, witnessed by workshop participants.

INFORDEPE took its first commitment by conducting a workshop on Sharing Effective Strategies for Utilizing Educational Apps to Create Engaging and Interactive Learning Materials, held on 5-8 December 2023. The workshop was attended by 30 teachers under INFORDEPE and facilitated by trainers from SEAMOLEC. Participants can create and apply interactive materials that foster collaborative knowledge construction. Participants explored new perspectives on using digital tools, utilizing them to produce innovative, creative, motivating resources tailored to educational and professional needs.

The second part of the workshop will continue with enriching the teaching-learning materials from the first part result embedded with application and technology. Therefore, the teachers will have a package of interactive teaching materials. The workshop will be held on 17-23 December 2023 at SEAMOLEC, Jakarta.