



Digital Disruption under the Covid- 19 Situation: Impact on Thai Education Management

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Abstract

Digital Disruption is a change that brings a more efficient approach. Let's destroy the existing pattern. This is a result of the rapidly evolving digital technology. Coupled with the arrival of enormous resources that can be accessed by internet communication that is connected all over the world. Causing the world to change in all aspects unpredictably Thailand's education even if Covid-19 As an accelerator, the education system needs to be completely changed. by using lessons from the international community to adapt to the context The learning management model of educational institutions used in the Covid - 19 situation during the semester's opening period were classroom learning management (on -site) , learning management via television (on -air), learning management. Through online (Online) teach management by home visit (On hand) the management style will vary depending on the area and risk of infection. And for online learning management there are different platforms to use.

Positive effects on learning management were found. Educational institutions have adjusted their plans and goals in educational management. The Internet network system has been improved to be of higher quality. New learning management styles and technologies are being used, and new assessment methods are being used more and more. Executives develop themselves to have knowledge and management skills. Teachers learn and develop more technology skills. And teachers change the way of teaching appropriate measurement methods Students spend more time with their families. Students can reduce the time, risk and cost of commuting to school. As for the negative effects, it was found that the internet network and communication are insufficient and the signal is unstable. Most educational institutions do not receive budget support from their respective agencies. The quality of teacher learning management declined. Teachers are concerned about the new learning arrangements. And students' academic achievement will decline. Students receive less practice skills and are unable to do study activities with their peers. And lost the opportunity to learn from real practice and parents have to pay for the provision of materials, equipment, technology and the Internet for learning.

Keywords: Distance Learning, Covid-19, Disruption, New Normal

Introduction

In the education system, Thailand "transitional " (Transformation) is a theory of culture that is the foundation of a democratic society, the development of the concept Posted by Modern (the Postmodern) view that knowledge cannot be defined as such. Of course, it is fixed, but knowledge is the consequences of trying to understand what has been verified the transition theory is a learning theory (Transformation theory is a learning theory) has developed step by step. Electronic technology industrial technology Internet technologies for creation (of Internet of things,) and especially artificial intelligence (More Artificial Intelligence, (the AI)) has progressed very quickly and very efficiently. Resulting in access to huge amounts of data (Big Data).A variety of data is used to analyze and make decisions. and use it in various ways Make smart innovations influencing various sectors including the semester resulting in innovations that use new digital technologies which destroys the original form (Schwab, K. , 2016), so-called digital disruption, which poses a significant challenge to future adaptation and survival. Many countries around the world are rushing to reform all sectors within the country to be ready to cope with this change.

The Covid-19 outbreak is affecting education around the world. From the spread of the epidemic from person to person from one person spreading in a chain. According to the movement of people where an infected

person travels without protection, there will be an open point of infection. And spread from that point out from the point of infection with Covid-19 the first time in Wuhan China until now spread around the world affecting education. Because the school is a gathering place for people stopping the spread is keeping distance. Therefore, schools must be closed. When educational institutions are closed, the management of education is affected continuously, namely the economy, teaching management, food and health. Psychological learning outcomes on students to administrators and teachers services of educational institutions such impact create a new way of life A new way of managing education on the principles and basis of government health measures The educational management has adapted during the epidemic or the crisis situation (During Crisis). There are related factors. Current living Teaching Administration social distancing a new form of finance, which is an online learning management system, an offline system, a home school system. Or a combination of systems as appropriate and must focus on building morale for teachers to have the power to adapt a lot. and create the power of self-development and performing roles and responsibilities for the development of learners' potential to their full potential to be the same as management or learning management in a normal teaching and learning system (Chaiyaphan, M. , 2021).

From the Cabinet meeting of Thailand on Tuesday, April 7, 2020, it was decided to postpone the school start date from May 16 to July 1, 2020 due to the epidemic situation of Covid-19. That may affect in many aspects including the child parents to teachers and schools with reason and necessity The Ministry of Education Therefore, the policy guidelines for teaching and learning management under the Covid-19 crisis have been formulated under the concept of "Learning Leads Education. School may be closed but learning can't stop." At all levels and types of education, students will prepare important skills during the semester break. Which is a centralized policy that is urgent and does not have a pre-planned action plan As a result, those involved are unable to prepare for effective implementation of the policy. Which is contrary to the centralized policy aimed at "Trial classes" is only to prepare for the real semester. The policy unit does not have time to survey the information from those involved and those affected by the policy implementation. Only use such information as is available to make a decision before implementing the policy announcement into practice. Making the learning system in Thailand that students need to adapt (Adaptation) of learners to survive in the midst of this ever-changing and long-term environment of the epidemic throughout the country and around the world.

How to manage education in the Digital Disruption era

Many educators fear that in the near future we may not have learners to teach. In fact, education will not go away. But will change the form from the original Students do not need to study in the classroom at the specified time only. But may study at home or other places through various online systems Teachers may create content themselves or recommend learning resources. for students to study at home then come to the discussion or practice skills and having one-on-one interactions in the classroom It's flipped classrooms. Or learning at different potential learners will learn with educational tools adapted to the abilities of the learner. For learners with above-average potential, lessons and assignments may be more difficult. To challenge students to research and use their full potential. While potential learners are below average. May receive more lessons and opportunities as well as receiving positive reinforcement from teachers until the learning objectives are achieved. In addition, the learners will choose the learning materials. Interesting content Blended learning methods project-based learning case study it is an important way of teaching. Because in the future, the working style will change. In which future trends, students will be more independent. Therefore, learners need future skills such as organizational management. time management administration cooperation project management creativity emotional intelligence critical thinking And the ability to come back to develop new skills quickly throughout life, etc., and should be taught to allow learners to gain real work experience, such as organizing courses for learners to choose to practice their career experiences. Interested to learn gain experience of seeing the problem condition. And learn the skills necessary in that profession and most of the new generation will be able to have many different careers or called. Gig economy, for example, may make a career as a teacher. Do online courses make a clip published on the web (You Tube) is a graphic designer (Graphic Designer) is a programmer in the same person. Therefore, for learners to learn independently benefit to learners and meet the needs of future careers Courses should be designed to be flexible. It's not a course like tailoring one size fits all. But allowing students to participate in the design of their own curriculum to determine the future for themselves because nowadays there are many sources of information both knowledge that are on different platforms and different content to learn without boundaries Schools or educational establishments cannot limit learning to the content or lessons that are specified in the curriculum alone. Because there are many more learning outside the classroom that can promote development.

It can be said that the potential age of learners learns through various activities. Such out-of-classroom activities may be undertaken by organizations, associations, or government and private agencies. To be responsible for the development of the country's manpower (Mano, P., (2019) Digital Disruption it is a social world after knowledge base. It is a world that focuses on friendship instead of allies. It is a world that has moved beyond the idea of competition to social co-creation. Not just for commercial But it is a world where wisdom has been created

that has moved beyond intellectual property to public wisdom. Transcending competition this results in commercial productivity, innovation, knowledge and ideas developed on the basis of individual creativity. To do something and use it together with the factor of digital technology who is both a promoter and a destroyer at the same time therefore, in today's turbulent world, if there are no timely adjustments to the management of education today, there may be no students left in the education system in the future. Because formal education or degrees may no longer have value or importance. As a phenomenon seen today, many large tech companies in America are recruiting employees without a degree but based on the performance or ability of the applicants, such as companies. Apple, Microsoft, Google, Facebook, Starbuck and many other companies in different countries. Worldwide, Including Thailand (Wisskirchen, G., Thibault, B., Bormann, et al., 2017); (Frank R M., Auto, R David, et al., 2019).

How does digital technology affect Thai education?

The advancement of digital technology has made electronic devices such as mobile phones and computers more efficient. And can connect to other devices through a high-speed wireless network this allows the development of websites, applications and content. To use on many of these devices. Which facilitates information searching and learning As a result, the learning style has changed. It's learning without borders. There are no restrictions on age, place, and time. For example, in 2008, Salman Khan, founder of Khan Academy which is a non-profit organization its goal is to provide high quality education to people around the world. There is a wide variety of learning content. Both simple mathematics such as addition, subtraction, multiplication and division to more advanced mathematics such as algebra, statistics, probability, calculus, integration, derivatives, etc. There are science subjects in both chemistry, biology and physics, and later in 2012 there online courses from a system that is available for free. It supports a large number of learners called MOOCs (Massive Open Online Courseware), with Harvard University and MIT co-developing the edX program, which offers MOOCs. More than 950 free sites from many universities. And is currently expanding the course continuously In addition, teaching and learning by both local and international universities are also offered online. Or teaching by specialized experts through other platforms. Even though there is a free self-study and the paid model as a course or by content for students to study on their own, such as Courser it is an online learning platform with over 2,000 subjects developed by more than 140 reputable universities to develop careers in subjects that students love. Learners can choose what interests them. Meet the needs and promote the actual work in the future there are modern courses in many fields. Most of the tutors are experienced from reputable universities. There is a certificate for each course. When studying for a tuition fee Computer science, algorithms, programming are also taught. From easy to able to produce. It teaches programs such as Python, Java, JavaScrip HTML CSS, as well as databases. There is also another interesting knowledge platform called Udemy, now Udemy. There are approximately 100,000 online courses. Covering various content both in information technology, presentations, self-development, health, business, emphasizing content used in real work rather than academic theory. It is a platform for experienced users. That do not require higher education but the experience can be conveyed through the Udemy platform. Learners can choose the content of interest. The cost per story is not very high. Currently, there are courses that Thai people offer. Which has a large number of interested students In Thailand, there are platforms that provide content services as well, such as Skilllane, an online learning platform that offers a wide variety of courses. both in preparation for the exam Self-improvement, finance, investment, tech startups , and more, taught by experienced professionals in the field. SkoodioIt is a platform where programming technology is taught. And various computer science. Goblis is an English teaching platform taught by foreigners by live (Live) exchanges and conversations via the Internet network (Chat).Face-to-face in addition to various platforms, knowledge sharing via social media such as Facebook, Instagram, Pinterest, Twister, Tumbler, YouTube and many other sources of knowledge. Including offline teaching and learning, including group tutoring, one-to-one, with an hourly cost per hour, per course, some courses have guaranteed results that when they graduate, they will be able to find work immediately. This type of study does not provide any degree or certificate. But certify the results that learners can put their knowledge to practical use from the changing of technology that has developed rapidly and continuously. There are a number of learning platforms emerging that are up-to-date and updated all the time. As a result, learning in the classroom is significantly reduced. There are also other interesting technologies such as virtual and augmented reality (AR/VT) technology. It is likely that the university in the future may not have classrooms. No lecture there are only so many supporting technologies. Therefore, university professors or educational institutions without proper role adjustment may be disrupted as well (Mano, P., 2019).

The results of a study on the impact of the Covid- 19 situation on Thai education in basic education institutions

1. Positive impact of the Covid-19 situation to the learning management of educational institutions in Thailand the data from the research report of Education Council Secretariat Ministry of Education, Thailand (2021) summarizes the following key points.

1.1 The positive impact on the learning management system in educational institutions was found that Educational institutions have adjusted their plans and goals in educational management. Adjust supervision methods follow-up and evaluating the new study to suit the situation at a high level this can be seen as a positive impact on the learning management system of educational institutions that are adapted to suit the early situation.

1.2 The positive impact on the performance of administrators and teachers found that administrators need to develop themselves to have knowledge and skills in school management. Executives must develop themselves to have knowledge and understanding of various forms of educational management. They must develop themselves to have knowledge and skills in various forms of learning management. Teachers must learn and develop more skills in using technology in learning management. And teachers have to change the way they teach. How to measure the evaluation results appropriate to the situation

1.3 The positive impact on learners found that The positive outcomes for students at a high level were 1) Teachers and parents had more opportunities to work together to take care of students' learning, 2) Students could spend more time with their parents and family, 3) Students. 4) Students are more responsible for learning 5) Students have the opportunity to learn when they want to learn through technology 6) Students have a learning behavior. and 7) More students shifted their study behaviors to learning from online and other learning resources, and moderately positive impacts were that students were able to reduce the time, risks and costs of commuting to school.

1.4 Positive impact on parents Communities and society found that the Covid situation had a high level of positive impact. Parents need to communicate to receive more information from the school. And the effect was moderate. Community and local support the budget for educational management of educational institutions.

2. Negative impact of the Covid-19 situation to the learning management of educational institutions in Thailand The data from Education Council Secretariat Ministry of Education., Thailand (2021) research report summarizes the following key points.

2.1 Negative impact on the learning management system in educational institutions a moderate negative impact was found in 1) The quality of teachers' learning management was decreased 2) The budget allocation for school administration was delayed. And insufficient 3) The premises used for learning management is insufficient; 4) the internet network for learning management and communication is insufficient and the signal is unstable, and 5) insufficient materials and equipment to prevent disease transmission.

2.2 The negative impact on the performance of administrators and teachers found that it had a negative impact on the performance of administrators and teachers at high levels in the subject: 1) Teachers had a high burden of learning management and student care. 2) Teachers are at risk in their work 3) Teachers need to provide more assistance in solving learning problems for students and parents 4) Teachers have less time to relax/take care of their own families 5) Teachers are anxious. That the student's academic performance will decline

2.3 Negative effects on learners It was found that negative impacts on learners at a high level were: 1) Students had to adjust their time New learning locations and methods 2) Students had moderate anxiety about their academic performance for negative impacts: 1) Students were unable to use buildings such as school buildings, classrooms, school desks, cafeterias, hospital rooms, and grounds. 2) Students receive less practice skills in the course 3) Students are unable to participate in learning activities with their peers in the classroom 4) Students and parents have to pay for the preparation of procurement of materials, equipment, media, and technology. And the Internet for learning; 5) Students lose the opportunity to learn from external learning sources; and 6) The school lacks materials and equipment to prevent the spread of germs.

2.4 Negative effects on parents community and society Found negative effects on parents at a high level. There are several reasons for this: 1) Parents must make time to help their children learn more; 2) Parents have to pay more for their children's readiness to learn; 3) Parents have to pay for expenses. 4) Parents need to learn more about the lessons so that they can help promote their children's learning 5) Parents need to find out more about

using technology to promote learning. 6) Parents have to arrange a place/home that is suitable for their children's learning 7) Parents have an increased burden of helping their children's learning 8) Parents are stressed that 9) Parents are concerned that their children will not learn well and 10) Parents are worried that they will not be able to take care of and support their children's learning well. In addition, there was another moderate negative impact on parents: parents felt that they were wasting their time and wasted career opportunities.

Impact of Coronavirus 2019 (Covid-19) on people's lifestyles

The impact of the virus, corona 2019 (Covid-19) led to a vocabulary that was titled "The New Normal (the New the Normal)" The new normal is a form of the water of life as a new variant of. Past must change to new ways and new phenomena that are not familiar before. Kaewchu, P. (2020) proposes that the new normal (New Normal) means a new normal, a new way of life. Refers to a new lifestyle that is different from the past. Due to something affecting the stereotypes and practices that people in society normally familiar with and used to anticipate must be changed to a new way under the new unfamiliar standard. Kaewchu, P. (2020) said that this new lifestyle it consists of a way of thinking, a way of learning, a way of communicating, a way of doing and organizing. A new way of living is born. After one of the great and drastic changes Big changes in the economy some manipulations that were originally considered anomalous. has become commonplace And been used in other contexts, consistent with the concept of Brahmabutra, S. (2020) said that " the New the Normal" in the context of the epidemic, " Cody David - 19 ".2020 can be said to be a situation that has occurred so rapidly and severely that it has spread in countries around the world, causing many people to get sick and die. Until becoming another great loss for humanity humans therefore need to protect themselves in order to survive by modifying lifestyle behaviors that are different from the old ways by adapting new ways of living to be safe from infection. Along with efforts to maintain and restore economic and business potential. Leading to the creation of new inventions, new technologies the vision concept has been adjusted. how to handle as well as the behavior that has been done as a routine deviating from the familiarity that was originally normal in many dimensions in terms of food, dress, hygiene, education, communication doing business, etc., these new things have become the new normal. Until eventually, over time, getting used to it will eventually become part of the normal way of life of people in society.

In addition, the Office of the Permanent Secretary of the Royal Thai Army. (2021) has discussed the impact of the New Normal on work and education as follows:

1. The ' remote ' behavior becomes normal. Remote work that was used to solve work problems during Covid-19 when people can adapt to this kind of work. Therefore, there are certain types of jobs that turn to remote work as normal.
2. ' online ' meetings will be a format that organizations use more to reduce common problems caused by meetings, for example, it can reduce the pressure problems in the meeting place, and also reduce the inconvenience Traveled to the meeting well or communication with customers
3. Office rentals in the city center will decrease. Due to the changing work environment, commuting to the office may not always be necessary. If you can work anywhere, that's why there are fewer office rentals in the city.
4. People in the organization will study and use more communication tools. This will be an important part of knowledge that will enable employees to communicate in a variety of ways. Both in the organization and in dealing with customers as well, such as communication applications, advertising functions of various platforms, data collection systems, etc.
5. More online courses will be added to employees than people are used to. And specialized in telecommunication learning new skills through online courses will also increase.
6. Some types of tests will be used more online, such as university quizzes. To collect some points But the major exams are still on-site.
7. There will be a course to teach with a large number of people. In more online systems, when online systems can communicate with each other more effectively. Teaching them about various theories can also be used online for teaching.

Conclusion

From the changes in the Digital Disruption era or the era of destructive change to create this new Government agencies or related personnel need to adjust to keep up with this era. In particular, teachers need to change their teaching methods. Focus on activities with students together to find the problem which is a problem that exists in real life then jointly identify the problem clearly. Because the answer can be found from the search engine (Search Engine) because we are in an era where everything used to be. Will be replaced by a new thinking process and must be creative thinking skills, think differently, think differently. The indispensable thing is to have emotional skills. Social skills adaptive skills emotional intelligence have communication and transmission skills, including presenting arguments. and citizenship of the world the heart of children growing up in the digital disruption era. You must have the ability to find your true self, find your passion, love, what skills or professions you like because if you are constantly discovering and developing. Can be successful but must be supported by parents it must be understood in the changing era

The positive impact on educational institutions in Thailand found that 1) Educational institutions had to adjust their plans and goals in educational management 2) The supervision methods were adjusted. Follow-up and re-evaluating learning to suit the situation; 3) Improving the internet network system to be of higher quality; 4) Reducing the size of the classroom; and 5) using the learning management model and new technology to make learning management is more interesting. And new assessment methods were used. The positive impact on the performance of administrators and teachers found that 1) Administrators developed themselves to have knowledge and skills in various types of educational institution administration; 2) Administrators. and teachers to develop themselves to have knowledge and skills in various forms of learning management; 3) More teachers learn and develop skills in using technology; 4) Teachers change teaching methods. 5) Teachers are eager to adopt a new learning management model. 6) Teachers are united. To cooperate and help each other more; and 7) Teachers get more appreciation from parents. The positive effects on learners found that 1) Students had more time with their families, 2) Students were more enthusiastic and responsible for their studies, 3) Students had the opportunity to improve their learning through technology, and 4) Students had more behaviors. 5) More students change their learning behavior from online and other learning resources 6) Students can reduce the time, risk and cost of commuting to school 7) Students are more calm and focused on more learning and 8) Online learning. Or through TV can reduce travel and other expenses and have a positive impact on parents. Community and society found that 1) Parents had more communication to receive information from educational institutions 2) Community and local budget support and provide more cooperation and assistance to educational institutions; and 3) Parents understand and have a better relationship with educational institutions. 1) Students have more time with their families 2) Students are more enthusiastic and responsible for their studies 3) Students have the opportunity to improve their learning through technology 4) Students have more learning behaviors 5) Students change 6) Students can reduce the time, risk and cost of commuting to school 7) Students are more calm and focused, and 8) Study. Online or through TV can reduce travel and other expenses and have a positive impact on parents. Community and society found that 1) Parents had more communication to receive information from educational institutions 2) Community and local budget support and provide more cooperation and assistance to educational institutions; and 3) Parents understand and have a better relationship with educational institutions.

The negative effects on educational institutions in Thailand were as follows: 1) Insufficient internet and communication networks and unstable signal 2) Most educational institutions did not receive budget support from their respective agencies. Despite the fact that during the Covid, educational institutions have increased expenses. 3) the quality of teachers' learning management has decreased. 4) The buildings and premises for learning management are insufficient. Insufficient materials and equipment to prevent the spread of germs; and 5) the agency and other agencies request large amounts of information from educational institutions. This makes it a workload and affects the time in teaching and learning. The negative impact on teachers' performance found that 1) Teachers had more workloads in managing learning and taking care of students 2) Teachers had a risk in their work 3) Teachers had concerns about learning management. Now in a new way and the student's academic performance will deteriorate. 4) Teachers lack morale in learning management and operations. The negative impact on learners was found that 1) Students had to adjust their time. New places and methods to teach 2) The students had anxiety about their grades 3) The students received less practice skills and were unable to do school activities with their peers. And lose the opportunity to learn from external sources and learning from the real thing. 4) Students and parents pay for the provision of materials, equipment and the Internet for learning. 5) Online learning. Causing students to lack enthusiasm irresponsible and have concerns about academic performance; and 6) Students are tired. because there must be a study to compensate for the missing time The negative impact on parents and the community found that 1) Parents had an increased burden of helping their children's learning; 2) Parents had to pay expenses for their children's readiness to learn. 3) Parents need to seek additional knowledge in lessons and use of technology in order to help promote their children's learning 4) 4) Parents are stressed about caring for their children and worried about their children's schooling; and 5) Parents feel that they are wasting time and losing career opportunities. (Kittiwanno, A. And Chayasitthi, S., 2020)

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