Proceedings of ICILLP 2025 Symposium: Property Law and Blockchain Applications in International Law and Legal Policy
DOI: 10.54254/2753-7048/2025.LD26971

Analysis of the Advantages and Disadvantages of Remote Teaching Pattern to Teaching by Teachers

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Abstract. Remote teaching pattern has a huge revolution and impact on traditional education pattern which raises up people's thoughts on the transformation of teaching. This issue has been received widespread attention while the relevant research and analysis of the advantages and disadvantages of online education pattern to teachers' education still contains some deficiencies. Based on this situation, this essay analysis the advantages and disadvantages of remote education to teachers' teaching. According to analysis, the benefit of remote teaching pattern to teachers' development mainly focuses on two perspectives: First, encouraging teachers to conduct in-depth reflection and rebuilt their own teaching concepts. Second, promoting the revolution and improvement of personal teaching approaches of teachers. Meanwhile, this essay also analysis the disadvantages of remote teaching pattern to teachers' education which are increasing the challenges of evaluation of teachers' teaching effectiveness and workload. Based on it, this essay suggests that teachers should acclimatize online education pattern in active adaptation, enhancing self-digital literacy and the ability of using relevant digital equipment. At the same time, some online teaching development platforms should improve relevant online supervision function, lower difficult level of using online education platform which convenience teachers' using and teaching.

Keywords: Remote Teaching, Online Classroom, Teaching Concepts

1. Introduction

In nowadays society, with continuing improvement and revolution, widespread of adoption of digitalization, there have been tremendous changes of human society's life and development. As the most important part of human society, education has also undergone a fundamental transformation and upgrade in this digital wave. Traditional educational pattern is influenced by the rapid popularization of informatization. With the invention of more and more electronic productions and digital medias, traditional teaching pattern showing the transformation tendency which from "Offline face-to-face teaching with real people" to "Online teaching". In this education transformation trend, online teaching is getting more and more popularization from teachers and students and being an indispensable education form with the advantage of learning anytime and anywhere, give lessons in any place and conduct teaching at any location [1].

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Remote teaching continuing showing its advantages and potentials, and also enlarging its impacts and popularization in education field based on it. This teaching pattern causes huge influence to education, among the groups most affected are teachers. The appearance of remote teaching pattern causes deeply impacts to teachers' traditional offline teaching pattern. These impacts are like a double-edged sword which contains positive perspective, and also contains negative perspective. For example, teachers can utilize remote teaching to achieve the optimization of the teaching process. They can review relevant problems which appear in their teaching process by replaying in the form of recorded broadcasts etc. And then, they can make relevant ameliorate and improvement, so that they can optimization their teaching process and provide a higher teaching quality than previous. However, at the same time, due to the online classes, students can not have an interaction with teachers and their classmates like the offline teaching. Therefore, it is very hard and challenge for them to understand relevant meaning of the study resources independently. As a result, the learning effect and quality will be impaired, which has a negative influence to teachers' education [2].

Therefore, regarding the rise and impact of online teaching, this essay will analysis the advantages and disadvantages of remote teaching pattern to teachers' teaching. Through the analysis of advantages and disadvantages, there will be a more comprehensive understanding of remote teaching which can help teachers to handle online teaching in a better way and promoting the realization of high-quality and efficient classroom.

2. The current situation of remote teaching pattern in teachers' teaching

2.1. Digitalized teaching design and resource preparation

Remote teaching pattern is an education model which utilize internet, big data and other online platforms to conduct online-remote teaching. The most important characteristic of this education platform is assisting teachers to complete relevant teaching design and prepare study and teaching resources in a short time by the teaching tools which based on networking and digitalization.

In digitalized teaching design perspective. Online teaching applies strong digitalized functions and different types of teaching design software to help teachers to complete relevant teaching design. This further ensures the education quality of teachers and make sure the fluent operation of teaching process. In an online classroom, teachers can utilize digitalized teaching tools like digital notice board (A virtual online interaction space), teachers and students can share documents, videos and photographs simultaneously. So that relevant teaching activities can operate fluently [3]. These digitalized education tools only require teachers have relevant online teaching software and a high-quality internet environment. In addition to this, the digitalized tools in online teaching platforms, like AI, which lets teachers acquire the latest learning situation and quality from students even though they can not have a formal face-to-face offline interaction with students. According to the learning rhythm and method from students, teachers can make highly customized learning strategies for their students [4].

Behind the successful completion of this digitalized teaching design lies the remote teaching pattern, which provides teachers with sufficient resource preparations. For teachers, merely having a good teaching design is not enough. They are also required to utilize different resources to apply their teaching design into practical. Remote teaching platform relies on strong function of searching information on the internet which can collect, search the huge amount of education resources and teaching information. This further provides resource assistance for teachers' actual teaching. For example, teachers can download some interesting science popularization videos from online teaching platform which can help students to have a totally understanding of relevant knowledge

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and concepts which enable students to achieve a solid grasp of knowledge and raise up their marks. Meanwhile, plenty of resource preparation on the online platform enable teachers can search suitable teaching resources targeted for students who have different abilities. Then teachers can have a better specific education which promotes students' personalized learning and development.

2.2. Remote classroom interaction

Remote teaching pattern changed traditional interaction between teachers and students. In the online classroom, the interaction between teachers and students is more richer and pluralism than traditional interaction. Teachers can have an interaction with students in a more efficient and diversity way. Take an example of video forum which is a popular function of video learning pattern, teachers can utilize these functions to enhance the interaction with students [5]. In addition, online video function enables teachers to realize the real-time situation of students. This can avoid the appearance of the negative phenomenon that in traditional offline classroom, teachers staying too long in one group and the other groups can not have relevant interactions and guidelines which causes the students' study effectiveness and classroom quality decreased.

Beyond that, teachers apply remote teaching platform can better catch the requirement of students in classroom. Online classroom interaction pattern enable teachers can find the relevant requirements from students in the remote teaching classroom without delay. So that, teachers can have a better understand and regulate for the whole teaching schedule and content. After receive related responses and answers from teachers, students will generate positive emotion due to the attention from teachers. Then, they will show more interrelated positive classroom interaction with teachers. Finally, the whole teaching quality and level of the online classroom will be rose up by this positive interaction between teachers and students.

3. The advantages of remote teaching to teachers' development

3.1. Promoting the deep reflection and rebuild of teachers' teaching ideas

There are plenty of advantages for remote teaching, these advantages influence nowadays human education in different ways and extents. The advantages of online teaching promote traditional education pattern to a more efficient direction have development and reshape. For teachers, the reshape by the online teaching advantage will push them to have a deep reflection and rebuild of their own teaching ideas.

The specific appearance of deep reflection and re-constructure of teachers' teaching ideas is the relocation of "Knowledge deliver" and "The cultivation of students' learning abilities". In remote teaching pattern, students can gain plenty of information through internet channel and online teaching platform. After they gain the information, they can apply these information resource to have related study. This study pattern is benefit for students themselves to have a better targeted learning and improve their self-study ability and effectiveness. But, this kind of online learning pattern brings huge impact and challenge to teachers' teaching pattern and ideas. For example, students can search relevant sources by themselves to have a study, therefore, whether teachers still have any value in existence? Based on it, teachers have to have relevant deep reflection and rebuilt of their own teaching ideas and methods which is teaching is not a single-track deliver information through learning management system but involve more content, like the interaction between teachers and students, the activities between deliver information and students [6].

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The reflection to the impact and challenge from remote teaching promotes the deep re-constructure of teachers' teaching concepts. First is the calibration of teacher teaching's pivotal goal. Remote teaching's convenience and huge amount of information push teachers have to introspection themselves: In the era which knowledge is not a scarce resource, where is the teaching value? According to it, the logic of teachers' teaching class design re-constructure from "How much teaching content is covered?" to "Which abilities should teachers induce and foster to students?". Secondarily, the purpose of teachers designing relevant study assignments meticulosity is leading students to apply knowledge to solve the different types of problems which occurs in realistic. Then develop critical thinking ability and cultivating high-level qualities such as digitalization. This inducing teaching pattern promotes the role of teachers to transform from "Knowledge initiator" to "Study guider" which further strengthen the combination of conductive instruction and students' self-study activities [7]. Then achieve the teaching effectiveness which traditional "Single-track output" teaching method cannot reach. And improve teaching quality and level.

3.2. Promoting the revolution and improvement of teachers' personal teaching method

The reflection and rebuilt of teachers' teaching concepts will definitely influence teachers' personal educating approach in realistic teaching process. Then push the revolution and improvement of teachers' personal teaching method to create higher education quality. After teaching concepts improve, the related teaching methods and pattern will be change due to the transformation and upgrade of the teaching idea. The most obvious change is the adoption of data-driven self-teaching. With the guidance of this data-driven teaching pattern, the innovation of teachers' teaching methods mainly reflect on the transformation from closed classroom to open connected.

Teachers using data-driven accuracy teaching, not only utilize online tools merely, but also break traditional closed offline classroom. So that they can build a study ecosystem with resource-circle. The purpose of it is making education resource circulation come true and providing higher teaching quality for students with the assist of numerous online teaching resources, constantly improving teaching method and pattern. Remote teaching environment and its rich data provide an unprecedented opportunity for reflection and improvement for teachers. That is the core of this revolution. Teachers can utilize huge amount of high-quality online resource like network class, interact imitation or other prominent teacher's class demonstration which teachers can get the most valuable and useful part to assist them to rebuild their personal teaching content, innovate their resource library and source of inspiration for teaching design.

Teachers applying data-driven accuracy teaching, improving and energizing teaching methods will transform into a more accuracy teaching intervene. Also, it will transform into a more efficient study feeling and obvious improvement of students' study ability. Finally, this transformation will create a material high-quality teaching.

4. The issues which exist in remote teaching

4.1. The difficulty of teaching effectiveness assessment

The whole operate process of remote teaching is an education activity which based on the network platform. This inevitably leads to the difficulty in supervising the learning process due to the drawback of the internet technology which further causes an increase in the difficulty for teachers to evaluate the overall teaching effectiveness and learning outcomes of online classes. Managing an online classroom is not an easy thing, it requires teachers to pay attention on the students who are

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speaking at that moment. At the same time, they also need to focus on those students who are distracted during the class [8].

It is obviously that this kind of manage classroom approach is much more difficult than offline face to face regulation. Some students can using computerize technology to create a head portrait simulation. Through the setting and applying the virtual head portrait, students can easily show a fake situation to teachers which is "Students are studying harder". However, teachers can not have a close and face to face supervising and management to students, they can not have equal accurate assessment like the offline classroom. Therefore, it is quiet easily that teachers can be cheated by the virtual head portrait which created by students. Teachers may believe that students are studying meticulous on the other side of computer while they can not identify and determine the real learning situation and state of students.

Such a learning process is hindered by the lack of effective supervision and monitoring, which makes teachers can have related communication and have a certain level of understanding of students' self-learning effectiveness, however, due to the deceptive in technical perspective, teachers are always unable to observe students' true learning status and results as comprehensively and thoroughly as they can do in face-to-face classroom teaching. This drawback leads teachers to an extremely difficult of supervising students' learning process situation. And then will cause the fragmented understanding of teachers to students' real study effectiveness. As a result, the assessment of teaching evaluation will be rose up and bring impede and challenge for related teaching assessment.

4.2. Enhancing teachers' working burden

Remote teaching increases the implicit working time. These implicit works will not be discovered and realized by people, but it consumes numerous time and effort of teachers. The preparation and trouble removal of teaching facilitates is the biggest implicit work which takes teachers' plenty of implicit working time.

Different with traditional offline teaching, remote online teaching relies on numerous network equipment and technologies. In order to have a successful remote teaching and activities, teachers must have a strong digital literacy skill. Especially in nowadays digital education era, digital literacy is the key capacity that teachers must have [9]. For example, teachers are required to have the ability to debugging and preparing for relevant remote education devices like computer, online teaching software, audio equipment and internet in order to make sure that the remote teaching process can operate fluently.

While in traditional classroom, teachers lack of relevant digital literacy and the training. This leads the deficiency of their digital literacy which they are not familiar with the relevant operation procedure of the digital equipment and lack of enough preparation of the equipment trouble that may occur. As long as there are some troubles with the equipment, teachers have to spend plenty of time and effort to have relevant debug or asking help for the specialized persons. This has significantly increased the teachers' implicit working time and unnecessary burdens.

5. Suggestion

This essay claims that both teachers and online teaching development platforms should take relevant methods to regulate the operation of the remote teaching pattern. For teachers, they can adopt the mixing teaching pattern which is "Offline teaching as the major approach, while remote teaching pattern serves as an assistant". Teachers can base on the real learning effectiveness that come from

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the offline classroom's students learning to search the most suitable resource in huge amount of the online teaching platforms. Also, teachers can use remote teaching tools to design the class content which full of interesting and fantastic, enhancing students' learning enthusiasm while creating an interesting classroom environment.

In addition, teachers also need to learn and acquire the necessary core skills for remote teaching which is digital ability, self-management ability, organize ability, writing ability, interpersonal communication and transcultural ability [10]. Teachers also should innovate their teaching methods and ways. For example, teacher can let students to search and start relevant study according to students' own requirement. On the other hand, teachers should also improve their digital literacy such as learning related digital technologies, applying online digital tools in a proficient way. Finally, teachers can innovate their teaching approaches. Such as utilize digital teaching platform and diversify digitalization pathway like online test, digital teaching tools to test students' learning effectiveness and ability after they finish relevant self-study process. As a result, teachers can better understand each students' specific situation and provide the targeted individual learning guidance for students based on teaching lessons.

Meanwhile, relevant online teaching development platforms should keep positive communication, gain the latest resources and reflection content from teachers and schools. So that they can understand the challenges that teachers and students meet during the teaching process. And then, they can take relevant improvement which targeted to those impedes and drawbacks (Lack of online supervisory; Equipment debugging and preparation enhancing the implicit burden for teachers). Finally, making remote teaching getting more suitable for the practical requirement from teachers that can provide technical assurance for students to have a better study effectiveness and quality.

6. Conclusion

This essay analysis the generate background, current situation, advantages, disadvantages and solutions of remote teaching. The generate of online teaching is the progress and breakthrough of human education. Also, it is the key tendency of future education development. In this education context, both teachers and students should acclimatize this teaching trend in an active way. Last but not least, both teachers and students should apply remote teaching pattern and digital tools in appropriate so that they can make the innovation and further improvement of the teaching quality and pattern.

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