Students’ Attitude towards Online Learning amid COVID-19 Pandemic

Abstract— The Coronavirus 2019 (COVID-19) outbreak has resulted in most colleges being forced to select Open Distance Learning (ODL). Many students have faced various challenges throughout their studies due to the rapid shift from conventional learning to ODL. Thus, this study aims to investigate students’ attitudes and challenges towards ODL for university courses amid the COVID-19 pandemic. A questionnaire was distributed online to Electrical Engineering diploma students (N=60) based on 11 close-ended questions on student attitude towards ODL. Findings revealed that 70% of the students felt a significant disparity between traditional learning and ODL, with the benefits of traditional classroom learning outweighing ODL. 80% of the respondents stated that as opposed to online learning, traditional learning in the classroom was more inspiring. Among the critical issues students faced were lack of internet connection, technical and money-related constraints, difficulty in engaging virtual communication with the instructor, lack in reaction time, and the absence of the socialisation element as in face-to-face classroom. Improvements on the ODL method need to be carried out continuously to enhance students’ attitude towards ODL.

Keywords— online distance learning, higher education, COVID-19, attitude

I. INTRODUCTION

The declaration of COVID-19 as a global public health emergency was made by the World Health Organisation (WHO) on the 30th of January, 2020, and later as a pandemic on the 11th of March, 2020 (Cucinotta & Vanelli, 2020; Adnan & Anwar, 2020). This generated responses from a majority of universities all over the world to transfer to online settings as a new education component at the end of 2019 and the beginning of 2020 (Usak et al., 2020). The first implementation of online education by means of distance courses or online assistance particularly for regular courses had happened abruptly. It also comes with an awareness that universities will never be the same again after the coronavirus crisis (Virtix et al., 2021). Regardless of whether they were prepared or not, educators were suddenly thrusted into a situation in which they were given no other choice but to begin teaching online whilst having to improvise greatly, a context that was dubbed emergency remote teaching (Virtix et al., 2021). The suspension of the entire school system and consequently the transfer of classroom practices to online mode have never happened before, regardless of whether the educators, students, and support staff were prepared in terms of pedagogy and materials to deal with such changes or not. While there are some flexibilities provided for teachers in adapting to Open Distance Learning (ODL), students have no choice but to follow their lecturers (Virtix et al., 2021). ODL refers to when teachers and students are separated physically, which has already been available in a variety of types for around two centuries at least, prior to the Internet development (Moore et al., 2011). The disparity that is most significant is that most of the interactions occurring between students and teachers used to be non-synchronous in the early phases of distance education. With the advent of the internet, synchronous work has become more diverse, ranging from chat rooms to video-conferencing systems. The asynchronous material exchanges also significantly shifted to digital settings and communication routes. Rapid internet, digitalisation of paper texts, photo and video materials, and interactive programmes for teaching and learning have contributed to the current rise in remote education. This has allowed traditional universities to relocate portions of courses, full courses, and even complete programmes to virtual environments. Advanced technology has enabled the construction of totally online higher educational institutions at the extreme end of the spectrum. The conventional face to face way of learning can exist alongside ODL or be integrated with it where the transition is smooth and sequential (Virtix et al., 2021). Unlike the established gradual methods for course planning and implementation, this transition from traditional to online learning due to COVID-19 pandemic was prompted due to external factors instead of a pedagogical will to produce courses or computed programmes to be more user-
online (2) To highlight the challenges and obstacles with regard to COVID (1) To investigate students’ attitude towards ODL amid COVID-19 pandemic

Thus, this study aimed:
(1) To investigate students’ attitude towards ODL amid COVID-19 pandemic
(2) To highlight the challenges and obstacles with regard to online learning faced by UiTM Pulau Pinang students.
the understanding that new methods of service, like free online courses, present unique issues (Clegg et al., 2003). Since open and distance learning methods have been used by colleges and universities in the attempt of competing in a more distant market, and the replacement of human pedagogy along with administrative duties by technology, the adoption of technology has been made to support such changes resulting in the creeping industrialisation of the core business of universities and colleges (Traxler & Lally, 2016). Such matter has been known since the dawn of contemporary distant learning (Peters, 1973).

III. METHODOLOGY

A. Sample Collection

A cross-sectional study was conducted to determine students’ attitude towards ODL. The study was conducted at the end of the term of September 2020 to January 2021. The teaching and learning period was approximately fourteen weeks. Samples were collected using convenience sampling with the inclusion criteria of first-semester electrical engineering diploma students. A total of 60 (N=60) electrical engineering students from Universiti Teknologi MARA Cawangan Pulau Pinang participated in this study.

B. Survey

The online questionnaire was distributed to the respondents through the Google Form platform. The questionnaire consists of 11 close-ended questions in the following categories: demographics (3) and attitude (8). Questions on demographic include gender, parents’ salary and internet access coverage. For attitude, the items were based on a 3-point Likert type scale.

C. Data Analysis

The online survey was assessed and descriptively analysed, while the result was depicted in the frequency distribution table expressed in percentages.

IV. RESULT AND DISCUSSION

A. Results

A total of 60 respondents participated in this study. A majority of the respondents were male, 73.3% (n = 44) whereas 26.7% (n = 16) were female. All respondents were of the same age at 18 years old. For parents’ income, 5.6% obtained less than RM1000, 27.8% obtained between RM1000-RM2000, 29.6% obtained between RM3000-RM4000, 13% obtained between RM5000-RM7000 and 24.1% obtained RM7000 and above. The results are depicted in Figure 1.

For internet access speed, 18.5% disclosed to have fast internet access while 9.3% claimed to have a weak internet access. Lastly, 72.2% stated to have moderate internet access by means of cellular phone or handheld gadgets. The results are depicted in Figure 2.

Table 1 shows the result of students’ attitude towards ODL. The results show that 58.3 % of respondents believe signal availability/strength is the main reason for limited internet access, 8.3% believe internet services are too expensive for regular online connections, and 33.3 % stated other reasons. On the students’ ability to use computers or laptops, 75% of respondents admitted that they could afford to utilise computers or personal computers for online study. For electrical communication, 60% of the respondents stated that they are comfortable with digital communication, while 10% opined that communicating digitally causes problems.
highlighted. Despite the proven effectiveness of distance learning as opposed to traditional classroom learning in particular contexts, it has not been established that e-learning itself could be a substitute for conventional classroom learning.

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REFERENCES


