Embracing the Fourth Industrial Revolution: The Effectiveness of Work Integrated Learning

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Abstract Work Integrated learning within the South African purview was introduced into the Higher Education system not only to align students to the world of work, but also to address the skills gap and shortages within society. The emergence of the Fourth Industrial Revolution, and its perceived challenges, require not only the government but various stakeholders to explore innovative and creative ideas and ways of thinking aimed at managing the technologically-driven business environment. In view of this, this article examines the extent to which work integrated learning prepares students in terms of readiness for the Fourth Industrial Revolution. The article adopted a qualitative research approach using structured interviews with students and focus group from a workshop engagement involving three identified stakeholders: a University of Technology, students, and the Department of Education. The findings of the study demonstrated the positive impact of Work Integrated Learning in students’ work preparedness and further, provided in-depth knowledge on various challenges detrimental to students’ skills and knowledge development for the world of work. The implications of this study impact the effective roles of key stakeholders in addressing the required competencies needed in readiness for the Fourth Industrial Revolution. The study recommends, amongst others, aligning the education system to the needs of the economy.

Keywords Work Integrated Learning, Higher Education, Fourth Industrial Revolution, Skills/Knowledge, Employability

1. Introduction and Background

Friday 5th July 2019, marked a memorable day for South Africa (SA) in the wave of the Fourth Industrial Revolution (4IR) as the country launched its first 4th Industrial Revolution SA - Digital Economic Summit. While addressing the summit, President Cyril Ramaphosa highlighted the potential opportunities by 4IR in seven key areas, including the need to improve education outcomes and skills [73]. Improving the quality of the education system in South Africa has been an ongoing refrain in the public discourse and a top priority of the democratic government. The South African education system has been undergoing various challenges, which are well-documented in research, ranging from poor academic performance, poor quality of teachers, unprepared students, poor attitude towards education, and teachers, inequality, teacher/lecturer absenteeism, and the narrow pass rate focus [42, 29, 64, 47, 40]. The high dropout rate of school learners [29], contributes to the sky rocketing youth unemployment rate, which is presently at 55.2% [70], posing a great concern not only for the government but for society in general. These challenges, traced back to the apartheid education system, have manifested in manpower skills development challenges and shortages facing the nation. The emergence of the 4IR in the midst of these challenges creates more distress and questions the future of
the younger generation. The South African government has long implemented reforms and strategies to improve the quality of the education system and its outcomes. Such efforts have seen in the South African education system the introduction of Outcomes-Based Education (OBE), the implementation of work integrated learning, and building partnerships between Higher Education Institutions (HEI) and industries.

The philosophy of OBE has been adopted by countries around the world in an attempt to align industry’s need to educational output. The concept of OBE is driven by the need to move away from a content-based curriculum to a life-long learning approach, and its learning principle is built around specific educational goals or outcomes. Thus, researchers define OBE as a student-centred approach in curriculum design, in which teaching is aligned to what learners should know, understand and demonstrate, to cope with life beyond the educational environment [38, 13]). The idea behind this is to enable learners to achieve outcomes that support them within and beyond the industry environment. In the South African context, critics of OBE have questioned its effectiveness in improving the quality of education given the on-going discourse on the employability of graduates. Scholars have argued the use of curriculum intervention strategies such as Work Integrated Learning (WIL) and building partnerships to complement OBE in achieving its objectives. The concept of WIL has been adopted across South African higher education institutions. It has seen HEI’s engaging and building partnerships with industries in an effort to address the on-going education and labour market challenges.

Against this backdrop, this article addresses the question “To what extent is Work Integrated Learning preparing University of Technology students in the acquisition of skills and knowledge required to tackle the anticipated challenges envisioned with the emergence of the 4IR?” In an effort to address this question, the main research aim is to examine the effectiveness of Work Integrated Learning in the work preparedness of University of Technology (UoT) students to embrace the 4IR. Subsequent research objectives emerging from the main question are:

- To provide insight into the use of WIL in preparing students to acquire the necessary skills and knowledge in readiness for the 4IR.
- To understand the challenges facing stakeholders in the use of WIL to build an effective workforce.
- To determine the role of the stakeholders in ensuring effective development of skills and knowledge.

In finding answers to these research objectives, data were drawn from three stakeholders: a sample of students pursuing a National Diploma in a University of Technology in South Africa, a set of representatives from an unidentified UoT and representatives from a government department. As part of the curriculum requirement, the students undergo work integrated learning for a period of five months in different government departments/establishments. Data was drawn from a dialogue session involving a UoT, students undergoing a WIL program and a government department hosting the WIL students. Motivation for the study stemmed from the authors of this article and their responsibilities as part of the stakeholders in improving the quality of the education system and ensuring the achievement of an appropriate learning outcome towards long-life learning. In addition, giving the staggering youth unemployment rate, the authors felt the need to understand how well WIL prepares the students and what shortcomings, if any, may affect the readiness of the students to tackle the potential negative impact of 4IR. Some insight into this aspect would help the authors develop innovative ideas to address the shortcomings, if any, contribute to the preparation of students and reduce the negative impact likely to be associated with the emergence of 4IR.

Beyond the introductory section of this article is a review on related literature covering the aspects of Work Integrated Learning and the Fourth Industrial Revolution. In addition, underpinning theories relevant to the research focus area are presented, as well as the methodological approach adopted. Discussions on the findings are followed by a conclusion and recommendations.

2. Related Literature Review

The global world is characterized by continuous changes in all aspects, social, economic, political, environmental, technological and otherwise. Similarly, the world of work is not left behind, with significant changes impacting employment, job tasks and skills level requirements. This is attested to by [23], on the swift global changes that are impacting the nature of knowledge, work and employment. With the increasing technological penetration into the world of work, dramatic changes are happening at exponential speed, thus creating uncertainty. Navigating through such shifts requires the need for innovative skills development to manage the potential impact. The role of education in such circumstances cannot be over-looked. According to Organisation for Economic Co-operation and Development [55], education is a tool that can equip learners with agency and a sense of purpose and the required competencies; it can shape and make the necessary contributions towards and beyond their lives. In view of this, [49] asserts the three pillars of education, namely, knowledge, competency, and values and skills needed for human advancement, to cope with the digital development of organizational productivity, and foster growth. Within the South African purview, education is one of the most important mechanisms for addressing the injustices of the past, prioritized in the National Development Plan’s (NDP) Vision 2030, and takes a big chunk of government expenditure.

Against the backdrop, this article traced various strategies adopted in the South African Higher Education
The wave of the Fourth Industrial Revolution has become the mantra of both formal and informal engagements across all spheres in the society. The concept of the Fourth Industrial Revolution as coined by Klaus Schwab indicates a period characterized by a range of new technologies that are fusing the physical, digital and biological worlds, impacting all disciplines, economies and industries, and challenging ideas about humanity [37]. The revolution combines technological and human capacities in an unprecedented way [48], through advancements such as Robotics, Artificial Intelligence (AI), Internet of Things (IoT), Augmented Reality (AR), Analytics, and Robotic Process Automation (RPA) [48]. According to [21], the revolution is a creation of new knowledge and values. The impact on the world of work still remains a research focus area. There have been predictions of both the negative and positive impact of 4IR on the world of work. While job losses have been predicted, new jobs are being anticipated to be created and the need for upskilling of the labour force to cope with the emerging jobs has become a matter of concern.

In view of this, the quality of graduates being pushed into the labour market often resonates in discourses. Concerns are that the value of a degree for employability is on the decline [56]. Given the dynamic changes in the business environment, industries demand skilled, innovative and adaptable graduates who can serve as agents of change in solving complex workplace problems. Studies have shown gaps between knowledge learnt in higher education institutions and skills required in the real world [54, 39, 69, 71]. In addition, [44] predicted increasing demand from higher education to improve the quality of graduates. Scholars have argued that classroom-based instructions [9] or a strong disciplinary knowledge base [2, 3], do not necessarily produce employability in graduates. This is disconcerting given the emerging disruptive technologies such as 4IR, which are changing all aspects of life, including the workplace and society in general. According to [50], these revolutionary changes will bring shifts in power, wealth and knowledge, and the need to be knowledgeable about the changes would ensure the enhancement of all benefits. This is emphasized in a recent #4IRSA digital summit, where Professor Adam Habib stressed the need to train scholars to deal with the challenges of the 21st century and develop the required technology to address the poverty, unemployment and inequality engulfing the nation [76]. In a similar context, the Employment and Labour Minister, Thulas Nxesi, stressed the need for upskilling and re-training of the workforce to cope with the challenges of 4IR [24]. With the increase in the acceleration and the rate of technological changes, it is therefore a fact that the workforce needs to be trained so as to grip the full benefit of the 4IR. In this manner, HEIs have been identified as one of the sources for skills development needed to steer the wheels of 4IR. Within the pedagogy are designed programs to enhance the integration of classroom and workplace learning, which varies across academic disciplines and countries. Such programs may include internship, industrial training, work placements, teaching practice, work integrated learning and in-service training. Accordingly, [46] argue that internship programs provide a complex practical experience required by students in dealing with the real-world workplace. From the South African perspective, most HEIs have adopted the concept of work integrated learning, and this is found in most Universities of Technology.

WIL has been identified within the pedagogy as a technique for closing the gap between industry requirements and HEI programmes. The South African Department of Higher Education and Training defines work integrated learning as “an umbrella term for any purposefully-designed learning programme that integrates theoretical knowledge with authentic practice in the workplace” [15]. Applied to a broader HEI environment, WIL encompasses a wide range of activities with a strong focus on industry partnerships [35]. WIL is applied across academic disciplines in higher education institutions. It comprises curricula and assessments, and integrates formal learning to workplace scenarios [10]. WIL is a collaborative framework designed for students to develop competence [15], improve employability [66], contribute actively to practice [25] and to the knowledge economy.

Research studies have shown a correlation between work integrated learning and the competence needed at workplace. [12] in their study noted that WIL approaches are closely integrated to university study, and professional and workplace practice. The replica effect is learning activities that allow for the application of disciplinary knowledge learnt at the university to be practically applied to the real-world work context [12]. Further research studies indicate that, as an educational approach, WIL allows students to apply theory to practice [16], and enhances learning, development and employability [52, 45, 74]. It is also documented that WIL enhances students’ skills development; deepens and embeds knowledge and understanding, and enhances work-related capabilities [72, 65, 74, 41]. In other words, WIL ensures development of competence critical to students’ entry into the workforce [58, 16]. [72] assert that a good practice in WIL would facilitate the integration and alignment of theory to practice. This would ensure skills and attribute development, effective workplace communication development and learning that incorporate cognition and practical wisdom [75]. Given this background, it is believed that an effective
implementation of a WIL program would go a long way in preparing students to embrace the challenges of 4IR.

2.2. Theoretical Perspectives on Work Integrated Learning and Skills Acquisition

The concept of WIL is well documented in South African HEI systems [15, 10]. The underpinning framework for this study is drawn from the historical theories of learning in which [14] defines learning “as the process whereby knowledge is created through the transformation of experience”. Viewing learning from an educational lens and workplace setting entails two aspects: experiential education and experiential learning. [60] defines experiential education as the philosophical process that guides the development of structural and functional learning experiences. Similarly, the scholar notes that experiential learning addresses the specific techniques or mechanisms needed by an individual to meet learning goals and acquire knowledge ((60]. [20] states that most approaches to the epistemology of learning draw from earlier philosophies on experiential learning. In Kolb’s [14] view, experiential learning addresses the learner’s internal cognitive processes which comprise of four modes: concrete experience, reflective observation, abstract conceptualization and active experimentation. Each stage of the mode allows a learner to feel, watch, think and act across dimensions, and if well implemented, enhances optimal learning.

The stages of learning in developing an integrated framework for a WIL program comprise planning/designing, delivering, evaluation and market needs [63]. These cannot exist in a vacuum, hence the need for support structures. [31] notes that the pillars for effectiveness of such learning within the WIL context involve stakeholders which include the participating organization, curriculum and people. [77], denotes it as 3Ps (Participating organizations, People involved, and Programme structure) responsible for curriculum design, delivery and evaluation. According to [63], the initial stage of planning or designing addresses the relationship between HEI and the participating organization and the delivery and evaluation relates to the programme aligned to the market needs for the people involved [63]. The researchers here adopt an integrated conceptual framework comprising of [63] stages of learning and the [31] three pillars that support learning, as presented in Figure 1.

![Figure 1. A Conceptual Framework of a WIL program](source: [60])
In view of Figure 1 and within the limits of this article, organizations are the HEI and the host companies and people include the students, HEI and the host companies. Developing curriculum takes into consideration the needs of the market, and incorporates input from all the stakeholders (the student and the organizations). [7] labelled it an integrated curriculum because it develops and delivers learning experiences aligned to the market needs. This clearly indicates the inter-relationship amongst the pillars or agents of a WIL programme. [43] labelled it a trio relationship of student, HEI and the industry or employer, which cannot operate autonomously. [1] note that each pillar plays definite responsibilities, performs specific functions, and achieves benefits as a result of the overall involvement. In such a relationship, [15] notes that the role of HEIs in implementing the WIL core programmes is enabled through government policies. In addition, HEIs provides opportunities for students to transform their learning experiences into practical knowledge [33], and builds relationships and continued engagement with industry [67]. On the other hand, the employers, or host organizations, provide opportunities for students to learn in the workplace while students use WIL as a learning opportunity [15].

Given this scenario, an effective WIL programme entails a good relationship and continuous engagement involving all stakeholders, which presumably provides valuable learning opportunities for appropriate skill acquisition, especially for the 4IR.

3. Research Methodology

This study adopts a constructivist research paradigm in order to understand the subjective and practical reality of the research problem. The research design used is principally action research, defined by [59] as an approach used in designing studies which seek to inform and influence practice. The researchers adopted action research design for numerous reasons. [27] note the historical locale of action research in the tenets of education. [28] has long asserted the on-going gap between academia and practice, and [26] prompted the need for more actionable knowledge.

Applied to an educational setting, action research involves participants conducting inquiry into their practices to ensure improvement in teaching and learning programs and to create impact on the local policy and practices [5]. In line with this assertion and in constructing the WIL framework as depicted in Figure 1, are three main stakeholders (the student, the HEI and the industry), considered the participants with shared common goal in what [22] viewed as a community of practice. Taking inspiration from the latter on the philosophy of community of practice, [59] argue that it allows for engagement and collaborative relationship and for development to flourish. Scholars note that action research encourages shared goals towards educational change [5] improves the research subjects’ capacities in problem-solving, skills development, self-determination, functioning and decision-making processes [6] enables transformation of action to practice [68], and improves practice as part of the process of change. These insights support [27] assertion of a positive interplay involving action research, curriculum and learning. It is therefore worthwhile to note the triad relationship that exists within the WIL stakeholders identified in this study.

The researchers adopted a qualitative research approach using two sets of respondents. The first sample is a group of Faculty of Management students pursuing a National Diploma in a University of Technology in South Africa. Given the large numbers of students involved, the researchers utilized a cluster non-probability sampling technique and used a structured interview schedule to collect data from the Human Resource Management discipline totaling 56 students. The structured interview schedule was designed to gain a deeper understanding of students’ opinions about the learning that took place during the WIL programme. Out of the 56 students enrolled in the discipline, only 40 got a placement for WIL via the university’s collaborative relationship with industry at the time of data collection. Out of the 40 students sampled, only 26 interview schedules were appropriately answered and considered ideal for analysis.

The second sample used for data collection is a report of engagement involving the students, the UoT and the industry. The industry in this case is the public sector and specifically, the Department of Education. The engagement was conducted as a focus group discussion involving break-away discipline sessions and a general discussion by all the stakeholders. Before the close of the event, a draft report emerging from the entire engagement was presented to the stakeholders involved to ensure their input, and experiences shared were captured appropriately. A general consensus was achieved which ascertained the reliability and validity of the research instrument as well as the study.

Thematic data analysis was used and clustering and partitioning of codes informed categories/themes that emerged from the data. Verbatim responses were extracted and where necessary, the data was presented at both the semantic and latent levels. The analysis of the data was presented in line with each research objective. Secondary data was used to augment the data from the primary sources.

3.1. Data Presentation

3.1.1. Research objective 1 (RO1)

To provide insight into the use of WIL in preparing students to acquire the necessary skills and knowledge in readiness for the 4IR

In eliciting information to address research objective 1 (RO1), the researchers focused on data emanating from the
structured interview schedule meant for only the WIL students. The researchers asked questions addressing the themes/categories around ‘learning and skills acquisition’. The questions involved learning in classrooms and applications in performing tasks at the workplace. The data that emerged showed that 88% of the respondents performed jobs relevant to the field of Human Resource Management (HRM) practices, and were able to link learning from modules done in the classroom to tasks carried out in the workplace. 12% of the respondents claimed that tasks carried out during their WIL programs were irrelevant to the modules undertaken at the university. As noted by R17, No: it was not relevant. I was doing filing stuff.

The themes emerging from the data are ‘learning’, ‘skill development’, and ‘task mismatch’.

3.1.2. Research objective 2 (RO2)

To understand the challenges facing stakeholders in the use of WIL to build an effective workforce

Data for addressing RO2 emerged from both the interview schedule and the focus group discussion. Questions were asked under the theme “challenges”, to elicit information that would help in answering RO2, and responses were collated under similar patterns, themes/categories. The data that emerged from the interview schedule indicated that 23% of the respondents started WIL later than scheduled due to difficulty in getting a placement, thus resulting in a shorter WIL duration. In addition, 46% of the respondents indicated lack of specific skills to carry out basic daily job requirements, translating to increased workload, as noted by R9:... I lack typing skills so I took longer time to finish the job.

Furthermore, 50% of the respondents indicated battling with skepticism, self-determination or self-efficacy, which impacted on their ability to adapt or adjust to the new work environment.

R3 noted: I was afraid to go to work, during the WIL, there was a lot of work that was to be done....
R4 noted: I couldn’t adapt quickly to the work.
R12 noted challenges faced include adjusting to the work environment and also being on time on daily basis.

Another challenged indicated by R12 was...to not fear asking and also...the work environment by interacting with the colleagues even at lunch.
R25 noted: ...the time to adapt to the work environment seemed to be a problem facing the challenges of making mistakes.

R26 indicated: ...I faced challenge of motivation to go to work.

Diversity and relationship management emerged as concerns by the students.

R7 noted: …working with old people, communication at first was a problem for me, I didn’t know how to relate with them.
R20 also noted: … I faced working with different personalities especially in school meetings, the parents....

Last but not least emerging from the data, is the inability to provide feedback on task completion.

R17 said: …the department that I worked was not right, they were giving us stuff and not checking to use if I do well or not.

At the latent level, the researchers interpreted the message relayed by R17 as …the department that I worked with was not efficient in providing feedback on tasks completed by the students.

The findings from the data emerged under the categories, ‘skills insufficiency and feedback’, ‘time management’, ‘self-efficacy’ and ‘diversity management’.

Similarly, data from the focused group discussions were collated. Data emanated from the industry representatives shows concerns over the quality of students, early engagement, balancing module content, WIL duration.

From the UoT representatives, came concerns over task mismatch, and orientation of WIL students.

3.1.3. Research objective 3 (RO3)

To determine the role of the stakeholders in ensuring effective development of skills and knowledge.

Data emanating from RO2 led to a dialogue session between the UoT and the DoE representatives. The UoT representatives stressed on the need for the employers to orientate students which would help them in coping with the demands of the job. On the other hand, the DoE representatives asserted on the need for a longer internship period for the UoT students instead of the usual 10weeks which is deemed too short a time for an appropriate learning. The findings were presented under the theme, ‘orientation and curriculum’.

The summary of the findings for the three tested research objectives is presented in Table 1.

| Study Research Objectives | Summary of Findings |
|---------------------------|----------------------|
| Research Objective 1 (RO1)| Learning, Skill development, Task mismatch |
| Research objective 2 (RO2)| Skills insufficiency and feedback, Time management, Self-efficacy, Diversity management, Quality of students, Early engagement, Module content, WIL duration, Task mismatch, Orientation |
| Research objective 3 (RO3)| Orientation and Curriculum |

4. Discussion of Research Findings

The discussion of the research findings was aligned to the roles of stakeholders under the adopted triad framework.
This is on the premise that a triadic approach to WIL in which the students, HEI and host organizations, work in close collaboration, maximizing experience [62]. In view of this, the themes that emerged from the analysis of the data are discussed under the roles of the student, the roles of the university and the roles of industry in developing the required skills and knowledge needed in the 4IR era.

The thematic analysis of the data highlighted time-management, self-efficacy and diversity management. The researchers believed that the student has the sole responsibility of addressing these concerns. This is because the respondents acknowledged doing a module that addressed time-management and participated in the practical aspects of the module prior to commencing WIL. Though, application of theories learnt in a classroom setting may be different in practice, the onus is on the student to develop personal coping strategies under the circumstances.

The HEI is responsible for the early engagement with the employer, determination of the WIL duration and quality improvement through teaching, learning and curriculum development. Because the labour market is saturated and vacancies for WIL become highly competitive, early engagement with the employers may likely increase the absorption rate of the students into the WIL program. A longer-term WIL duration may likely improve the learning and development of the students.

The employers or host organizations are responsible for the orientation and provision of feedback to the WIL students. The importance of orientation as a component of the WIL framework in increasing job performance and productivity of the organization has been acknowledged [3]. Similarly, the concept of feedback within the pedagogy has long been a powerful tool for evaluation and improving learning outcomes. Studies have shown the role of feedback in the learning and development of students [19, 8]. In a workplace environment, feedback impacts on both the student and the supervisor positively. While feedback improves the students’ work efficiency, [17], noted its potential in enhancing resumé, and future job and promotions opportunities for the supervisor.

Though a minimal percentage of respondents indicated a mismatch between theory and practice, researchers felt the need not to disregard this issue given the sample size and on-going challenges facing the higher education system. [34], raised concerns over job mismatch which to a large extent has contributed to the quality and employability of graduates, thus increasing youth unemployment. This therefore calls for adherence to the good practice principles such as authenticity, alignment of activities with learning outcomes, adequate workplace support, access to supervisors and preparation [11].

The thematic analysis indicates that nearly all the students involved in the WIL program acquired learning and developed their skills. This is true for similar studies conducted on WIL and its impact on students across disciplines globally [4, 30, 32, 51, 36, 57]. As noted earlier, the 4IR has been associated with technological disruptions, transformative changes to the business sector and all aspects of humanity. Transformations to the employment landscape and skills requirements are envisaged to be high. [77] notes that to manage the trends successfully, we require potential reskilling and upskilling of talent across academic backgrounds in all industries. In addition, an understanding of industry requirements of soft skills as opposed to hard skills, is needed. Narrowing the discussion to the boundaries of this article, developing these needed skills to sustain 4IR requires commitment from all the stakeholders. In other words, all the stakeholders should be committed to learning that enhances skills development. Having said this, the researchers believe that the themes emerging from the data on learning, skill insufficiency/development, and curriculum development, centred on the student, the university and the employer. In this case, a student is expected to be committed to his/her own learning. By so doing, the student takes responsibilities for determining what to learn, identifying the resource and how best to make optimum use of it; valuing and reporting on the learning [61]. The alignment of the module content/curriculum development remains the responsibility of the university in accordance with government policies. Employers bear the burden of informing the university of specific skills needed by students to cope with the job requirements at workplace. This is to enable the HEI to build such skills into the curriculum/module content. The non-alignment of curriculum to labour market requirements poses challenges such as skills/workplace mismatch, inability to match soft and hard skills, less quality/competent university graduates, etcetera [30, 32]. Similarly, the alignment of the education system to the labour market demands would go a long way in addressing these challenges [53, 54]

5. Conclusions and Recommendations

Education and skills development are strategic components of every country’s long-term success. The on-going challenges in the South African higher education system are likely to intensify with the dynamic changes in the world of work. Predictions on South Africa achieving the full potential of 4IR lean on the ability of government to improve the quality of education and skills to meet economic needs. The essence of this study was to highlight the possibilities of WIL being an enabler for student work preparedness in the wave of 4IR. In ensuring a minimal negative impact and to maximise the full benefit potential of 4IR, it is of utmost importance to prioritize skills development. Effective skills development should be based on appropriate implementation of theories and practice. Given the foregoing, the article identified three pillars responsible for fostering advancement in the current and
future skills demand of the labour market, namely, the student, the HEI and the employer. A critical outcome of this triad relationship is the need to benchmark the learning needs using curriculum and learning outcome against the labour market requirement. Based on the review of literature, the researchers adopted [63] WIL framework, that highlighted the importance and responsibilities of each stakeholder for effective skills and knowledge development. The adopted framework could serve as a reference point in the development of the 4IR skills needed specifically for Human Resource Management students.

Respondents indicated that the duration of the WIL program for the sampled discipline is relatively small. There were concerns that the WIL period almost ends at the point the respondents were beginning to adapt to the new work environment. Though the duration of the WIL program may have been aligned to the National Qualifications Framework descriptor for the level, it may be worthwhile for the UoTs with similar concerns to revisit the WIL duration to ensure the overall purpose of a WIL program is achieved. To ensure learning is maximized, the employers should also provide control measures that encourage feedback. Within the pedagogy, feedback has long been posited as a learning strategy to maximize on skills and knowledge creation.

5.1. Limitations of the Research Study

The study is limited to Human Resource Management students only and the sample studied is not large enough to generalize on the findings. A greater sample of potential host organisations may have improved on the validity and reliability of this study. Future research may cover other disciplines that make up the faculty to ascertain possible similarities and differences from the data.

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Authors’ Contributions and Disclosure Statement

The authors contributed equally to the development of this research piece. We therefore declare no conflict of interest and approve the article for publication.

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