



ePortfolios and Online Learning: Applying Concepts of Organizational Behavior

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Abstract: Higher education faculty are redesigning student learning experiences to expand opportunities for the application of learning. They are also emphasizing the development of cross-cutting learning outcomes valued by employers (e.g., communication, critical thinking, teamwork) and measuring learning in more authentic ways. An increasingly common platform for these engaged learning experiences is the ePortfolio, which entails students creating and compiling artifacts that represent their learning, accompanied by reflections about what and how they learned. This qualitative study explores the student learning outcomes of a team ePortfolio assignment in face-to-face and online sections of an organizational behavior course. The purpose of the assignment was to help students demonstrate their learning and apply organizational behavior concepts such as communication, conflict resolution, appreciation for diversity, and teamwork. Students reviewed and commented on other teams' ePortfolios and wrote reflections about their learning in the course. Findings indicate that students exhibited learning outcomes reflecting UNESCO's four pillars of learning: learning to know, learning to do, learning to live with others, and learning to be.

Keywords: ePortfolio, high impact practice, learning outcomes, organizational behavior, schools of business.

Résumé : Dans l'enseignement supérieur, les professeurs cherchent à reconfigurer les expériences d'apprentissage des étudiants afin d'élargir leurs opportunités d'apprentissage. Ils travaillent également au renforcement du développement des compétences transversales valorisées par les employeurs (par exemple, la communication, la pensée critique, le travail d'équipe) et tendent à évaluer l'apprentissage de manières plus authentiques. Un environnement de plus en plus couramment utilisé pour ces expériences d'apprentissage engagé est le portfolio électronique, qui amène les étudiants à créer et compiler des artefacts qui représentent leurs apprentissages, accompagnés de réflexions sur ce qu'ils ont appris et sur la manière dont ils ont appris. Cette étude qualitative explore les résultats d'apprentissage d'étudiants auxquels il était demandé de travailler en équipe avec le portfolio électronique sur des sections en face-à-face et en ligne d'un cours sur le comportement organisationnel. L'objectif était d'aider les étudiants à faire la démonstration de leurs apprentissages et d'appliquer les concepts de comportement organisationnel tels que la communication, la résolution de conflit, l'appréciation de la diversité et le travail d'équipe. Les



étudiants ont examiné et commenté les portfolios électroniques des autres équipes et écrit des réflexions sur leur apprentissage dans le cours. Les résultats indiquent que les étudiants ont fait preuve d'apprentissage dans quatre domaines : apprendre à savoir, apprendre à faire, apprendre à vivre avec les autres, et apprendre à être.

Mots clés : portfolio électronique, pratique à fort impact, résultats d'apprentissage, comportement organisationnel

Introduction

Innovators, problem-solvers, and communicators are highly valued in today's rapidly changing world. These abilities are increasingly emphasized in institutions of higher education due to recognition that job-specific training is quickly outdated. Although estimates of the number of job changes one might have in a lifetime may be exaggerated (Young, 2017), few jobs are likely to be stagnant in terms of the need for new technology, skill, and knowledge.

Thus, a strong case exists for a liberal education, or "an approach to learning that empowers individuals and prepares them to deal with complexity, diversity, and change" (Association of American Colleges & Schools, [AAC&U], n. d.). This includes skills relevant across areas of study, such as team work, communication, critical thinking, and ethical decision-making, in addition to in-depth study of a particular field (AAC&U, 2011, 2015). Employers highly value these cross-cutting skills, which they believe are critical to professional success, but find that college graduates lack preparation in this area (Hart Research Associates, 2015; Schneider, 2015).

To address this, higher education faculty are redesigning student learning experiences to expand opportunities for the development of cross-cutting learning outcomes valued by employers and measuring student learning in more authentic ways. An increasingly common platform for assessment is the ePortfolio, which entails students creating and compiling artifacts that represent their learning, accompanied by reflections about what and how they learned (Cambridge, 2010; Miller & Morgaine, 2009). ePortfolios may involve students making connections across courses in addition to providing evidence for how they have met outcomes in a specific course. They integrate learning and assessment to encourage students to explore, apply, reflect, connect, and deepen their learning.

This qualitative study explores the outcomes of student ePortfolios in two sections of a business management course—introduction to organizational behavior. One section was an online course in which students collaborated remotely using digital tools and the other was a face-to-face course in which students collaborated in person. The ePortfolios were created in teams rather than individually. In both cases, students reviewed and commented on other teams' ePortfolios and wrote reflections about their learning experiences.

The rationale for team ePortfolios was to help students learn to collaborate and to be effective team members. The assignment also gave students autonomy over how to demonstrate their learning, as opposed to traditional teacher-centered testing, and the opportunity to develop skills in resolving conflict, avoiding groupthink, understanding diversity and personality differences, and developing effective communication and conflict management skills—all topics in the organizational behavior course and skills likely to be valued by future employers (Hart Research Associates, 2015).

Although ePortfolios can be used as a means of assessment for group projects where students reflect on their participation, show evidence of their contributions, and describe their learning about teamwork (Housego & Parker, 2009)—few have implemented team ePortfolios in which students discuss topics, create artifacts, assign roles and tasks, reflect on their artifacts, evaluate their teamwork skills, and set goals for improvement. This study expands current knowledge by exploring the impact of an innovative teaching practice, one that involves high impact practices (HIPs) (ePortfolios), and which incorporates face-to-face and virtual teamwork. The innovation also explores other elements of HIPs such as reflection, writing, collaborative assignments, and experiences with diversity. In sum, the area of investigation is: What is the impact of team ePortfolios on learning outcomes in face-to-face and online course delivery modalities?

Literature Review

The literature review provides context for the use of ePortfolios in higher education, including why they are considered a high impact practice (HIP), their purpose, and their effectiveness. It also examines ePortfolio use in schools of business, specifically, as study participants were enrolled in a required course for business majors—introduction to organizational behavior.

High Impact Practices

HIPs and their underlying components were established through an analysis of student learning self-reports on the National Survey of Student Engagement (NSSE) (Kuh, O'Donnell, & Schneider, 2017). ePortfolio was added to the list of ten high impact practices in 2017, ten years after the term *high impact practice* was first formally adopted (Kuh, 2008; Kuh et al., 2017; Watson, Kuh, Rhodes, Light, & Chen, 2016). HIPs are “a demonstrably powerful set of interventions to foster student success,” defined as “an undergraduate experience marked by academic achievement, engagement in educationally purposeful activities, satisfaction, persistence, attainment of educational objectives, and acquisition of desired learning outcomes that prepare one to live an economically self-sufficient, civically responsible, and rewarding life” (Kuh et al., 2017, p. 9). ePortfolios have been described as a meta-HIP which actively engages students in organizing and reflecting on their learning and learning processes (Watson et al., 2016).

The other HIPs are first-year seminars and experiences, common intellectual experiences, learning communities, writing- and inquiry-intensive courses, collaborative assignments and projects, undergraduate research, diversity/study away/global learning, service learning and community-based learning, internships and field experiences, and capstone courses and projects (Kuh, 2008; Kuh, et al., 2017). At their foundation is a set of eight key features: high performance expectations, investment of time and effort over an extended period of time, interactions with faculty and peers about substantive matters, experiences with diversity or unfamiliar people and circumstances, frequent and timely constructive feedback, real-world application, public demonstration of competence, and structured opportunities to reflect on learning (Kuh & O'Donnell, 2013).

ePortfolio Benefits

ePortfolio is not merely an assessment platform, but “a powerful pedagogical approach that requires meaningful student reflection and deepens learning while making achievement visible—to students themselves, to their peers and faculty, and to external audiences” (Kuh et al., 2017, p. 10). As such, they “increase employability and support learning that might contribute to it” (Cambridge, 2008, p. 245). Benefits identified for business graduates include standing out in the applicant pool, creating an online presence and brand, and demonstrating competencies such as collaborative learning, goal setting, active learning, digital literacy, and self-assessment (Watty & McKay, 2016), all highly valued in business settings.

A UNESCO report on 21st century skills identified four pillars of learning—learning to know, do, live together, and be (Delors, 2013). Learning to know involves acquiring knowledge and deepening understanding; learning to do is characterized by gaining skills and methods; learning to live together is about tolerance, interconnection, and understanding to facilitate living in a global world; learning to be reflects self-awareness, ownership, goals, and self-direction. ePortfolios draw on this model (Kabilan & Khan; 2012), offering the following benefits: “skills and competencies; transformative potential; reflection; identity; active learning/student-centred engagement; employability; and assessment” (Watty & McKay, 2015, p. 198).

Briefly, *skills and competencies* reflect “active learning; goal setting; autonomous learning; collaborative learning; cross-curricular competencies; interpersonal communication; self-assessment; digital literacy; work-readiness; lifelong learning; self-management; higher order thinking; and self-awareness” (Watty & McKay, 2015, p. 199; Zinger & Sinclair, 2014). *Transformation* is possible particularly when ePortfolios are used institution-wide (Goldsmith, 2007) and when instruction shifts from being teacher-centric to learner-centric (Cochrane, Antonczak, Gordon, Sisson, & Withell, 2012). *Reflection* increases awareness and understanding (Cambridge, 2008, 2010; Kuh et al., 2017; Miller & Morgaine, 2009), but must be taught (Kabilan & Khan, 2012). *Identity* involves students learning how

to represent themselves to particular communities and audiences (Clark, 2010). *Student-centered engagement* occurs as students set goals and become self-directed (Kabilan & Khan, 2012), and as teachers transfer the work of learning to the student (Batson, 2010).

ePortfolios enhance *employability* by providing documentation and evidence of skills and learning, and continue to provide a record of professional development after graduation (Dalziel, 2012; Moretti & Giovannini, 2011; Smith & Tillema; 2003). Many professional bodies require individuals to record evidence of currency in their fields. ePortfolios can be a personal learning space where the owner records and reflects on strengths and weaknesses, identifies areas for improvement, and shares the journey of continued professional development (Dalziel, 2012). Finally, ePortfolios are frequently used for *assessment*, providing insights into growth in learning, application of learning, and “stories of deep learning” (Finger & Jamieson-Proctor, 2009, p. 69)

ePortfolios used for assessment of group projects can also be accompanied by peer review where students provide feedback to each other, thereby building critical awareness of their own work and that of others (Housego & Parker, 2009). This type of ePortfolio might be categorized as a multiple-owner ePortfolio, defined as being “used by a group of learners to present evidence of their academic growth through group collaboration” (Moretti & Giovannini 2011, p. 94). An example is a multi-disciplinary project in which students from two different classes collaborated to explore problems (Zinger & Sinclair, 2014). ePortfolios were used as a collaborative space for students to write, exchange experiences, respond to partner journal entries, and reflect.

ePortfolios may also include co-curricular experiences, such as involvement in student organizations, internships, or professional organizations, that support achievement of learning outcomes. They are a valuable means of documenting the learning process and may be used for employment, as a type of digital resume, although the latter has not yet been widely endorsed by employers. Although the majority of employers indicate that ePortfolios may be useful in determining evidence of needed knowledge and skills, software systems often do not accommodate ePortfolio links nor do managers have time to review them (Klosowski, 2014).

To be effective, teachers must experiment with ePortfolios (Johnsen, 2012), establish the benefits for students (Johnsen, 2012; Kelnowski, Askew, & Carnell, 2006), shift their pedagogical approaches (Johnsen, 2012), and preferably involve whole departments or institutions (Batson, 2010).

Learning to Do

Learning to do involved students acquiring skills and abilities as a result of the team ePortfolio assignment. Many of these entailed the application of organizational behavior concepts. One student indicated: “The idea of creating the ePortfolio in teams, instead of individually, allowed me to see the

concepts taught in class manifest within my own team.” Organizational behavior concepts mentioned by the students included improved ability to communicate, resolve conflict, lead, appreciate diversity, and work in teams as well as to apply knowledge to employment contexts. Additional aspects of learning to do represented practical skills such as planning, scheduling, coordinating, and being accountable and responsible.

Communication was a frequently mentioned course concept that students applied to the assignment. The quote that follows, from an online student, highlights how teams used multiple forms of communication to accomplish their work; the student also uses a technical term — lateral — to describe the level of communication:

By working in a team, I was able to learn a lot about communication . . . and how this aspect of organizational behavior can greatly affect the outcomes of a group. Communication was a large issue we faced at the beginning as it was very hard to get every member of the team on the same page. With the use of oral communication through video chat, and written communication through text and email, we improved our lateral communication problems quickly.

The next quote illustrates the importance of effective communication to achieve quality work:

The main thing I learned during the process of making an eportfolio with a team was communication. If there was no communication, the artifact would get done last minute and would just be thrown together. However, if we as a team communicated throughout the week about it, it would get done way earlier and look much nicer.

Other students, particularly those in the online course, mentioned the use of virtual tools for purposes of communication: “What I learned from working on a team is how to better communicate through online resources . . . this class taught me more about group work and effort than any of my other classes have.”

Related to communication was learning to manage conflict. Conflict sometimes resulted in a less-than-desirable outcome in terms of the ePortfolio artifact.

Conflict often arises during group work, and understanding how to manage and approach these conflicts is important to the success of the team. Looking back at our eportfolio, I think it is easy to see where there were conflicting opinions or ideas that were not fully resolved because the artifact feels incomplete or sections appear out of place.

Another common aspect of learning to do was appreciation of diversity, specifically the talents, skills, and abilities that team members brought to a task, and utilizing these to be successful.

Our norming phase carried out for two weeks as we started understanding who had specific expertise in certain fields. For example, [student name] is an excellent web page designer. Because of this, he was assigned to create the background and layout of our artifact each week while the remaining group members contributed to the individual subtopics within the artifact. By the fourth week, we were in full-functioning performance mode. Each team member had a clear understanding of their responsibility and how to accomplish their task. I can honestly say I've never worked in a group that has collaborated as quickly and as efficiently.

The quote illustrates how the team determined appropriate norms and behaviors and applied organizational skills in order to be effective.

Learning to do frequently involved students implementing what they were studying in daily life. One said: "I notice problems that need to be worked on and I revisit the chapters to see if any talk about our current problem. Most the time it does, and I am able to work with my coworkers to resolve it." In particular, teamwork was seen as realistic preparation for future careers, especially collaboration and accountability:

Another factor I loved about the class is that there weren't any tests or exams. Working in teams is a much better way of learning in my opinion. The reason I prefer this is because in the workforce, I have rarely seen or done anything where it was individual, like tests or exams. Every job that I've had and some of my friends have had were involving teams and groups where we work together and hold each other accountable.

Another student indicated not only applying textbook material, but also applying learning gained from other students:

I am currently working at a company that requires a lot of collaboration. I am also in a management position, so I am heavily involved in the decision making/discussion process. Throughout the semester I have been able to apply what I've learned from, first, working with my team, and second, from reading and discussing the different ePortfolios.

The assignment forced students to "to plan out assignments and follow up via text constantly," and to develop other practical skills. "While team collaboration can be difficult with an online course, creating an assignment that is weekly really helped with accountability and responsibility." Another said: "Everyone had different schedules but we would all pitch in at different times; [the chapter on understanding teams] made us realize this was one way for us to succeed without a team member trying to overstep another one's leadership."

Overall, learning to do was evident in a variety of ways as students applied course concepts to improve their performance. Students in both face-to-face and online sections faced similar challenges

but were able to overcome them equally well by learning to do, or to apply course concepts and cross-cutting skills to their advantage. Those in the online course commented on challenges with online communication but were able to address these by using the tools provided and by applying course concepts.

Learning to Live Together

The theme *learning to live together* involves making connections, increasing understanding, and developing tolerance. Student reflections exhibited a number of ways in which they were learning to live together—by understanding different personality types, sharing and respecting each other's ideas, choosing and fulfilling roles, and helping each other. One student put it this way: "It was a little bumpy in the beginning because you are unsure what to expect from each other, but once we became acquainted and understood our role as a team member we worked together really well." Another indicated: "We ended up working very well with one another. We were upfront with each other and never took it badly and were willing to help each other."

Differences were apparent within teams, requiring students to understand and appreciate a variety of ways to approach and accomplish a task. An example of this was work styles: "The biggest difficulty we had to learn was how to cater to different work styles. One of our members always got the assignment done right as it was assigned; another only worked on it the night it was due."

Differences in culture, language, and age, which influenced communication and points of view, were also factors:

Perception and language barrier were the two biggest struggles for all five of us ... None of us knew how to get along with each other and most of the time we had a hard time understanding what [student name] was trying to tell us. What she texted to group chat sometime did not make sense, and I believe it is because she's older than all of us, and her point of view in every assignment is different.

Indeed, learning to work with others involved considering and respecting a range of ideas. "You cannot always expect to do things on your own and think your way is the only right way. Working with a team helped me think deeper. . . and to work to perfect [the artifact] with all of our ideas." Another said: "I found that sometimes ideas need to be ruled out, and sometimes they work great. The only way to allow each member to add to the group is make their ideas matter." Students also recognized that a range of ideas was an advantage: "It was way fun to work in this group. As the page came together it was cool to see everyone's personalities and what they thought would make the page better and attractive."

Appreciation for differences was also noted. One student indicated: "One of the reasons I learned so much from my classmates is because we are all so different. Sharing our ideas and experiences with

one another helped me to learn and think differently because we all have different insights and opinions." Another said:

We did not always agree on what needed to be done with our group work, but we always managed to figure out and plan ways that we could work smoothly together as a team. I think part of this was definitely due to the principles we were learning in this class. Working with other people virtually can be extremely difficult ... and I definitely don't think that we ever got it down perfect, but the practice was great!

Students also learned the importance of establishing roles and ensuring that responsibilities were clear:

Working in teams helped me understand the importance of working together and establishing different roles. We can all hold different roles in a group and we don't always have to be that one role. We switched leaders multiple times in our group and we all learned a lot from it.

Another said that his team worked more effectively when "each team member [knew] what they [were] required to do." Others agreed: "My team worked even better after we established who was going to be doing what." Another recognized "how important norms and roles are. By establishing roles early on, it led to us to know what our responsibility was and what was expected."

Several comments were related to understanding other's needs and accommodating these needs: "We were all very understanding and forgiving which made working together less dramatic/stressful and more pleasant/simple." Students were realistic in terms of expectations, willing to work together, and tolerant. A student in the online section recognized that levels of commitment might vary:

From time to time you could tell that there was a disconnect and sometimes individuals "checked-out" simply because the level of accountability was different from a team that meets in person often. Our team reached its peak when we all understood what we would need to contribute to be successful and that someone would need to take the initiative and assign roles.

A few differences in comments were evident between the face-to-face and online sections. The above comment demonstrates that the student's perception that it was easier for students to be inactive in an online team than from a face-to-face team. Another commented on the nonverbal nature of her team's virtual communication:

The first few weeks were challenging because roles were difficult to define as we could not perceive nonverbal cues that assist in knowing a person and identifying how they will best be able to contribute to the group. After responsibilities and personalities were understood, I think things got a little bit easier for us.

Overall, the course design for both delivery modalities enabled not only effective learning but also application of learning, and consequently, resulted in effective teamwork.

Learning to Be

Learning to be encompasses self-awareness, ownership, goals, and self-direction. It was evidenced by students gaining insights into their personalities, preferences, skills, abilities, and achievements. One student indicated self-awareness of the joy of learning with others: "I learned a lot about groups and how to work with others throughout this semester and I have loved learning with others!" Another demonstrated self-awareness of the need to work well with others:

The eportfolio helped me understand how to work with people better and learn information at the same time. You will always have to communicate with other people in every job; this assignment gave me new insight on how I do this more effectively.

One indicated how the assignment helped her apply what she was learning, take responsibility for learning, and learn from others: "We were able to apply the concepts to ourselves easier because we had to elaborate; we gave personal experiences, examples, and why it was important to us. I progressed also by looking at other's eportfolios."

Others showed increased awareness of the value of different backgrounds and perspectives: "I learned that there can be a large diversity in opinion, especially when we have group members from completely different cultures." "I am noticing more about team chemistry and having the right mix of people and how their opinions and experiences can be so vital to what we are all doing." One student indicated seeing how to incorporate different points of view:

Our group was awesome AND everyone had LOTS of ideas and opinions. We didn't want to exclude anyone's ideas, but I learned to negotiate and give and take ideas to create our portfolio. I especially learned a lot from [student name]. She was really good at validating ideas and then changing them to fit the needs of our portfolio without making anyone feel dumb. I learned it's important to not be a "yes" person.

Another commented on how she moved forward after a negative team experience:

For one ePortfolio project, I spent hours designing a graphic I thought went very well with the information from the text. That graphic was deleted right before our assignment was submitted and changed to a different graphic. This was hard for me, but I decided that moving forward was the best way to approach the situation.

Students also increased self-awareness of leadership and team roles: "One thing that really called out to me was personality and traits and how it has an effect on what kind of leader you are. I never really took into consideration how my shyness and being quiet could affect how I lead a team." One

practiced using a particular leadership approach: “I took a transactional leadership (manager) role and attempted to make assignments and follow up on assignments hoping that our team would fulfill them simply because it’s the right thing to do.” One student developed the ability to delegate: “With this group I felt that everyone gave their all and it forced me to take a step back and let others take responsibility. I learned how to delegate tasks without being bossy or aggressive.” Others preferred to follow:

I learned that someone needs to take charge. It was so nice when someone would delegate the specific parts of the assignment evenly. That way we all knew what was expected of us on that page, and we needed to get it done by Monday night.”

Based on feedback received on their e-portfolios, teams set goals related to not making grammar errors, appointing an editor, or setting earlier deadlines. One team decided to vary its content to aid learning: “Our goal was to avoid using another video to explain the learning objective. The chart helps us remember the learning objective by printing it into our minds. You can also use it in your notes to refresh your memory.”

The ePortfolio assignment resulted in personal growth or learning to be. “I feel I understand myself better now and how I can make the most of my energy level, decision-making, and organization skills in the future.” As was the case for other themes, some students in the online section felt that working with a face-to-face team would have been easier: “It feels I would have understood quicker the members of the team, what drives them, and stay more connected.” However, in general, these comments were minimal and students in both courses demonstrated positive learning gains in the area of learning to be as illustrated.

Discussion and Implications

Although some perceive online classes as involving independent learning with few opportunities for interaction and socialization, this can be addressed through course design, as was the case in this study. The team ePortfolio and accompanying review and reflect assignment not only encouraged relationship-building but also the development of team skills. This occurred across course modalities. The online students recognized inherent challenges related to virtual communication but demonstrated the ability to apply course concepts, particularly how to work in teams, in order to increase their learning and accomplish course tasks. For all students, the assignment provided them with the opportunity to develop personal attributes reflecting the cross-cutting needed in the workforce.

The study clearly demonstrated that ePortfolios can transform learning, and in particular, that ePortfolios created in teams result in significant learning gains. These include learning to know (in-depth knowledge and application of course topics through study and interaction), learning to do

(application of concepts and theories to improve the ability to communicate, resolve conflict, lead, work in teams, and be accountable), learning to live together (the process of increasing understanding, tolerance, and appreciation of other people, their personalities, backgrounds, and ideas), and learning to be (individual insights into one's personality, preferences, and progress).

The study supports ePortfolio as a high impact practice. The team ePortfolio assignment was characterized by all of the elements of HIPs, (e.g., performance expectations set at a high level; significant investment of time and effort by students over an extended period of time; experiences with diverse others; frequent, timely, and constructive feedback; structured opportunities to reflect and integrate learning; opportunities to discover relevance of learning through real-world applications; and public demonstration of competence) (Kuh & O'Donnell, 2013). Students learned from each other in their teams and applied instructor and peer feedback to their ePortfolios to further increase their learning.

In spite of the view that ePortfolios have the “potential for transforming business education curricula through the linking of practice-oriented learning and the development of graduate attributes” (Housego & Parker, 2009, p. 409), they are underused in schools of business, not only as a means of tracking the achievement of learning outcomes but also as a means of developing them. This study demonstrated the effectiveness of adopting ePortfolios in a single class. Program-wide adoption would provide students with additional opportunities to be active learners and to connect learning across courses.

The study has some limitations. It involved courses taught by only one instructor albeit through different delivery modalities. Data was limited to student self-reports. Also, because the reflections that were the source of data for the study were required assignments, students may have represented their experiences more positively than they actually were in order to get a desirable grade. However, the data did provide examples of challenges students faced and how they overcame them. Also, the degree of detail and specificity with which the students reported their experiences portrayed a high level of honesty. Future research is needed to examine the benefits of team ePortfolios in other contexts and particularly in online courses.

Conclusion

This study unequivocally demonstrated that ePortfolios are “a powerful pedagogical approach that requires meaningful student reflection and deepens learning while making achievement visible—to students themselves, to their peers and faculty, and to external audiences” (Kuh et al., 2017, p. 10). The team ePortfolio assignment transformed learning as students participated actively, developed new skills and competencies, reflected on and assessed their learning, explored their own identities, and developed employer-desired skills (Hart Research Associates, 2015). Active investment in

documenting learning helps students recognize what is involved in achieving expected outcomes and recognizing learning gains. The clear takeaway from this study is that team ePortfolios can result in a range of highly desired learning outcomes. As such, academic programs within schools of business and in other colleges/schools should strongly consider how team ePortfolios might be implemented and structured into the student experience.

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