

論文審査の要旨および担当者

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(論文審査の要旨)			
<p>Thesis Title: Designing a Community-based Career Exploration Service for Children With Less Access to Role Model</p> <p>The thesis submitted by Assilmia Fathima designed IN360°, a community-based career exploration service for schoolchildren aged 9 to 13 who live in disadvantaged areas to fulfill the needs of opportunity to broaden children’s horizons and build a sense of connectedness among workpeople, children, and other stakeholders of the community. The service consists of career exploration components utilizing new media, an exploration corner as a place to provide the service to the children, and a series of workshops for community-building to make the service sustainable. This research carefully designed and refined each component through several iterations of user tests for six years and validated it in the actual field. Ninety-five children in Indonesia and Vietnam validated the career exploration components. The author proposed content creation workshops involving university students and role models and another workshop for parents of the target children. This research discusses the result of those workshops conducted in Indonesia and Vietnam. Through those experiments, this research concluded that the community-based design of the career exploration service fostered aspiration and competencies in children through the use of new media and validated the value of the involvement of stakeholders in children’s learning and sustainability.</p> <p>Thesis Structure</p> <p>The dissertation is written as a design dissertation consisting of five chapters. Chapter 1 begins with a brief overview of the research field and issues of lacking opportunities for children to be inspired by role model in some areas of the world. Chapter 2 summarizes the related works in children’s career development process by introducing the theory and practices. It also suggested the value of digital technology being integrated into the learning components and utilizing community support for sustainability as a possible approach. Chapter 3 proposes and discusses the design concept of the IN360°. This community-based career exploration service provides technology-supported career exploration to encourage linkage between children, their community, and the world of work. This chapter further discusses the detailed component design based on the exploring process: experience, reflect, interact and practice. Chapter 4 summarizes each component design's final version and validation process to find out a) the impact of the exploration component for children, b) the effectiveness of the workshop for community building, c)</p>			

the efficiency of the Exploration Corner design, and d) replicability of the designed component for sustainability. It discusses the result using the qualitative and quantitative data collected by the field experiment conducted with the communities in Panglungan Village, Bandung Institute of Technology, and working people based in the Bandung Greater Area for about one month. The outcomes of this research have provided insight into the impact of IN360° service design on children's aspirations and stakeholders' sense of community, the function of a corner, and the replicability of the program. In Chapter 5, the author discusses the implication of the future possibility of the social impact and some suggestions to implement this service in the broader area and future directions.

Contributions, Impact, and Significance

The author explored the application of career exploration for rural children utilizing immersive media, emphasized the importance of centralized learning space for inclusive technology-supported learning in rural areas, and defined the value of fostering community involvement to support children's career development. By producing a manual for accessible, replicable, and sustainable career exploration services, this research successfully showed the possibility of deploying this service for children in another disadvantaged area.

This topic is not specific to Indonesia but commonly shared by global society. On some occasions, this research was already well presented in the Asia Pacific community, and some universities offered their support to implement this service in another area in Asia. It implicates the high probability of future deployment.

Summary

The review committee concluded the dissertation's contributions to social impact, the research output, and quality meet the requirements for a Ph.D. in Media Design.

Assessment Process:

1. The doctoral dissertation proposal defense was held online on May 25th, 2022, 13:30-14:30 JST.
2. The dissertation advisory committee examined and judged the result based on the proposal and the oral examination. The result was approved by the KMD graduate school committee on June 30th, 2022.

The principal advisor: Keiko OKAWA

The member of the advisory committee: Hiro Kishi, Chihiro Sato

3. The public doctoral dissertation defense was held online on December 19th, 2022, 10:00 - 12:00 JST. After the public defense, the final assessment by the doctoral dissertation review committee and the dissertation advisory committee was conducted in a separate room online, and concluded the decision to approve.

The followings are the participants of the public doctoral dissertation defense:

- 4 members of the doctoral dissertation review committee
- The principal advisor
- 28 other participants