RGC Ref. No.:
____UGC/IDS(R)41/19____
(please insert ref. above)

RESEARCH GRANTS COUNCIL
COMPETITIVE RESEARCH FUNDING SCHEMES FOR
THE LOCAL SELF-FINANCING DEGREE SECTOR

INSTITUTIONAL DEVELOPMENT SCHEME (IDS)
RESEARCH INFRASTRUCTURE GRANT

Completion Report
(for completed projects only)

Submission Deadlines:	1. *Auditor's report with unspent balance, if any: within **six** months of the approved project completion date.*
	2. *Completion report: within **12** months of the approved project completion date.*

Important Note:
In completing the report, please use the following format:
Page limit: Items 1 to 5 and Summary of Completion Report: no page limit
          Items 6 to 9: maximum **20 A4 pages** (excluding any appendices and attachments)
Font: Times New Roman
Font Size: **Not smaller** than Point 12
Margin: Two centimeters margin all around
Spacing: Single-line spacing

- **Project Title**

  Development of Institutional Research Capacity - First Phase: Building Infrastructure and

  Research Capacity of Academic Staff (YCCECE)

- **Investigator(s) and Academic Department(s) / Unit(s) Involved[#]**

Project Team	Name / Post	Department / Unit	Average Number of Hours Per Week Spent on this Project
Project holder[*] (i.e. Head of Institution)	Professor Allan Yuen /President	President Office	5 hrs/week
Team leader	Dr. Brad Chan / Assistant Professor	Academic Team	3 hrs/week
Team member(s)			
Others			

[#] *Please state the **key** staff and department/unit involved in the project.   Please add row(s) as necessary.   Please also highlight the approved changes in project team composition and quote the date of the RGC approval for such changes.*
[*] *Refer to "Applicant" for 2015/16 exercise and "Project holder" for 2017/18 exercise onwards.*

- **Project Duration**

	Original	Revised	Date of RGC / Institution Approval *(must be quoted)*
Project Start Date	1 January 2020	Nil	Nil
Project Completion Date	31 December 2022	Nil	Nil
Duration *(in month)*	36	Nil	Nil
Deadline for Submission of Completion Report	31 December 2023	Nil	Nil

- **Project Objectives**

Summary of objectives addressed / achieved:

Objectives*	Percentage Achieved	Remarks**
1. To put in place an effective system for research work at the College in order to ensure that its research work for both academic staff and students is quality assured and conducted at required standards.	100%	The Research Office has developed policies, guidelines and protocols on the following aspects in relation to research at the College: • research integrity and ethical approval • support on internal and external grants and funding • intellectual property rights and protection Meanwhile, systematic administrative and professional support were provided by the Research Office to all staff and projects. For students, continuous training and support were provided through course training, capstone experience, workshops, and assistantship.
2. To support the academic staff of the College in developing research capacity and conducting quality research work in the Early Childhood Education (ECE) field through providing a facilitating and engaging research culture embedded in the Research Office.	100%	Various academic activities were organized to enhance staff's research competencies, such as: • Research skill trainings in electronic databases • Grant writing workshops • Networking with other Higher Education Institutions

Objectives*	Percentage Achieved	Remarks**
		An individual consultation platform was added in 2021 to provide personalized advice in research and project development. Seminars and conferences were organized throughout the three-year period to establish platforms for scholars, educators and professionals from different fields to exchange views and build collaborations to forge a broad and diverse future for early childhood education (please refer to section 6 in this report).
3. To provide hardware and software that are necessary to conduct research with different research methods.	100%	The Research Corner has been set up at the College's library to support staff and students' research work. It provided computer workstations with essential research and data analysis tools, manuals, tutorial guides and reference materials for research design, methodology and analysis. Such support has expanded staff and students' research capacities, as well as enhanced their productivity and quality of research. The Research Office, in hand with library, has also committed to attend closely to the needs and demands of staff, projects and students for research support, providing the most updated research resources in software, hardware and databases at College.

* *Please refer to the originally approved objectives. If there are changes in objectives, please highlight the changes and quote the date of RGC approval for such changes.*

** *Please provide reasons for significant slower rate of progress when compared with the approved implementation timetable.*

5.4 Please attach photo(s) of acknowledgement of RGC-funded activities / facilities / equipment.
Please refer to Appendix 5 *Activities Photos* and Appendix 6 *Facilities and Equipment Photos*.

● **Research Outputs**

6.1 What are the accomplishments of the project?

(i) Please provide reports on conference, seminar, workshop, exchange programmes or other activities held (if applicable).
(Please provide details of the activities organized, including the theme / objectives of the activities, targeted participants, attendance, analysis of participants, e.g. country of origin, research background, etc., evaluation forms of the activities and a summary of the participants' evaluation. Photos of the activities are preferred.)

Research Development Series-Research Ethics & Research Project		
Type: Workshop	Date: 13/10/2020	Participants: Staff
Objectives:	• To understand the WHEN & WHY for conducting Ethical Review; • To understand the Ethical Review Application (Procedures & Guidelines); • To understand Ethical Research Process and avoid common mistakes	
Title: Library Training: Managing Citations with Mendeley		
Type: Workshop	Date: 16/10/2020	Participants: Staff & Students
Objectives:	• To provide support on managing citations and references	
Title: Research Development Series: Proposal & Budget Workshop		
Type: Workshop	Date: 29/01/2021	Participants: Staff
Objectives:	• To tackle issues related to the proposal and budget writing process in research projects; • To enhance the College's readiness for involvement in research funding applications	
Title: Library Workshop on APA Style 7th Edition		
Type: Workshop	Date: 09/02/2021	Participants: Staff & Students
Objectives:	• To provide support on APA style referencing; • To understand APA style 7th Edition and to avoid common errors	
Title: STEM in ECE Experience Sharing Session: Good Practices at a Glance		
Type: Workshop	Date: 15/05/2021	Participants: Public
Objectives:	• To provide a platform for local ECE educators to exchange early STEM education information and experience, and foster communication between schools and teachers;	

	• To share the research outcome of the Jockey Club "CoolPlay" Project, related to STEM education in ECE

Title: Future Directions for Early Childhood Care and Education: Research, Innovation and Knowledge Exchange		
Type: Workshop	Date: 17/06/2021	Participants: Staff
Objectives:	• To discuss how to determine research priorities in order to maximize the positive impact research can make in a society; • To discuss how research can lead to both traditional research outcomes like publications, and innovative teaching practices and policy initiatives	

Title: Research Project Budgeting and Related Administrative Policies		
Type: Workshop	Date: 24/09/2021	Participants: Staff
Objectives:	• To introduce the College's internal and external research project application procedure; • To introduce various funding opportunities to staff who are interested in research; • To guide staff on how to plan a good and realistic budget for a research project	

Title: Preparation for RGC's Competitive Research Funding Schemes (CRFS) for 2022/23 Exercise		
Type: Workshop	Date: 22/10/2021	Participants: Staff
Objectives:	• To introduce the Research Grant Council (University Grant Committee)'s Research Funding Schemes to the staff who are interested in conducting research projects; • To explain how to prepare for the application of those funding schemes and write a competitive proposal	

Title: Workshop of FDS/IDS Application Procedures		
Type: Workshop	Date: 09/11/2021	Participants: Staff
Objectives:	• To explain the procedures of Faculty Development Scheme (FDS) and Institutional Development Scheme (IDS) application, and the required materials; • To show examples of well written, successful FDS and IDS proposals	

Title: Research Project Ethical Review Workshop (Two times on the same day)		
Type: Workshop	Date: 22/11/2021	Participants: Students
Objectives:	• To describe the Ethical Review process for the students' Capstone Research Project, and the required materials; • To explain the reasons why ethics is important in research, and what are the primary principles in protecting the rights of the research team, participants, and the general public; • To introduce the Best Capstone Project Award, and the Best Capstone Presentation Prize	

Title: Quality Enhancement Support Scheme (QESS) 2021/22 Application Online Briefing Session		
Type: Workshop	Date: 23/11/2021	Participants: Staff

Objectives:	• To explain the procedures of QESS application, the account information and the required materials; • To show examples of successful QESS proposals	
Title: Launching Ceremony of Jockey Club "CoolPlay" Project		
Type: Ceremony	Date: 02/12/2021	Participants: Public
Objectives:	• Officially launch the developed "CoolPlay" research project and its curriculum; • Introduce the project and the objectives of promoting STEM education in ECE	
Title: Visit to the Learning and Teaching Expo 2021		
Type: Site-visit	Date: 10/12/2021	Participants: Staff
Objectives:	• To attend seminars and talks related to ECE and education technology; • To meet representatives from other universities, colleges and fields for networking purpose	
Title: Visit to Gratia Christian College Research Office and Library		
Type: Site-visit	Date: 13/12/2021	Participants: Staff
Objectives:	• To exchange ideas and experiences with the Research Office of the Gratia Christian College, and discuss the possibility of future collaborations; • To learn about the scholar hub of the Gratia Christian College from their Library, and discuss the process of setting up a research journal paper repository	
Title: Staff Visit to Education University of Hong Kong's Library and Future Early Childhood & Primary Classroom		
Type: Site-visit	Date: 21/12/2021	Participants: Staff
Objectives:	• To visit the Future Classroom setups at the Education University of Hong Kong, and learn about the application of digital technology in education; • To inspire staff on the possibility of conducting research on education technology and learning space; • To discuss the possibility of future collaborations with the staff from the Education University of Hong Kong on ECE topics	
Title: Capstone Project Ethical Review Application Workshop		
Type: Workshop	Date: 11/03/2022	Participants: Students
Objectives	• To provide a comprehensive understanding of the timing and rationale involved in conducting an Ethical Review; • To introduce participants to the Ethical Review Application Procedures and Guidelines; • To illustrate the Ethical Research Process, including best practices, and highlight common mistakes to avoid	
Title: Workshop on Application for Competitive Research Funding Schemes for the Local Self-financing Degree Sector 2023/2024		
Type: Workshop	Date: 10/11/2022	Participants: Staff
	• To explain the process of application and required materials to competitive UGC funding schemes; • To go through examples of well written, successful cases of the funding schemes	

Title: Information Session on Research Funding Schemes and Application Process		
Type: Workshop	Date: 14/12/2022	Participants: Staff
	• To introduce the College's internal requirement and process on applications for internal and external research grants; • To provide an overview to available funding schemes for research and relative information	
Title: The First International Conference on Early Childhood Education and Mengxue		
Type: Conference	Date: 05-07/05/2023	Participants: Scholars, experts and practitioners from local, mainland China and abroad; College staff and students
	• Explore the values and innovative approaches of New Mengxue in the 21st century; • Discuss child protection legislation and the development of family support systems; • Establish effective assessment mechanisms for quality early childhood education and teacher training; • Foster interdisciplinary collaboration and exchange of ideas among scholars and professionals; • Contribute to the advancement of early childhood education and teacher training	
Please see Appendix 1 for *Attendance and Analysis of Participants*, Appendix 2 for *Evaluation of Activities* and Appendix 5 for *Activities Photos*.		

(ii) Please provide reports on asset purchase such as acquisition of research facilities, communal equipment, software licence, dataset and / or status of infrastructure / physical research structure building such as research centre, research supporting unit (if applicable).
(Please provide supporting documents and / or photos, and provide the utilization rate.)
The Research Office has purchased the following items for research purposes. All the listed facilities and equipment are currently in full use within the College. Please refer to Appendix 6 for *Facilities and Equipment Photos*.

Item purchased	Details
Research database	1. Subscription to EBSCO Discovery Service and Complimentary Databases (A total of 8,899 journals)
Research software	1. 7 sets of SPSS (3 Statistics Base 27.0 + 4 Statistics Base 28.0) 2. 2 sets of Mplus 3. 7 sets of NVivo 4. 3 sets of Endnotes 5. 4 sets of Camtasia
Hardware for research purpose	1. 6 sets of computers (2 Research Office laptops + 4 Research Corner laptops) 2. 1 Apple iPad Air Wi-Fi 64GB 3. 1 Apple Pencil (2nd Generation) 4. 1 USB-C Digital Adapter

5. 1 Smart Keyboard Folio for iPad Air 6. 1 wireless keyboard and mouse set 7. 1 wireless mouse 8. 2 128GB USB 3.0 Flash Drives	

(iii) *Please provide reports on research activities carried out (if applicable).*
(Please see Appendix 4 for project details.)

Period	Project Title	Funding Source
01/08/2020 to 30/09/2023	Jockey Club "CoolPlay" Project	The Hong Kong Jockey Club Charities Trust (HKJC)
01/09/2020 to 31/08/2022	Language Interaction in Augmented Educational Space	Quality Enhancement Support Scheme, Education Bureau
01/03/2021 to 29/02/2024	Exploring Innovative Pedagogical Practices in Early Childhood Education (ECE) Teacher Education	Private Donation/Research Matching Grant Scheme (RMGS)
05/11/2021 to 12/08/2022	Power of Play	China Light and Power Education Fund
01/06/2021 to 31/01/2023	Jockey Club Inclusive Quality Project	The Hong Kong Polytechnic University/HKJC
01/12/2021 to 30/11/2024	Jockey Club 'Bright Start' Project	Hong Kong Christian Services/HKJC
01/12/2021 to 31/05/2023	Early Childhood Education Quality Framework and Standards in Mainland China: A Pilot Study in Shenzhen and Northern Jiangsu	Private donation/RMGS
01/03/2022 to 29/02/2024	Kindergarten Early English Project	New Territories Woman & Juveniles Welfare Association (NTWJWA)/ RMGS
01/04/2022 to 31/12/2023	From Assignment to Published Work: Documenting the Process of Story-Making (YCCECE Teachers and Student Series Project)	Private donation/RMGS
21/05/2022 to 20/12/2022	Research on the effectiveness of a newly developed Quality Service Model for Children's Residential Home	NTWJWA/Hong Kong Society for the Protection of Children
01/06/2022 to 31/05/2023	Academic Consultation Service for Hong Chi Association Occupational Therapy Unit (Adult Services)	Hong Chi Association
15/08/2022 to 14/08/2024	From K to P: A Pilot Study Bridging Kindergartens and	Lee Hysan Foundation/ Wofoo Foundation/ RMGS

	Primary Schools	

6.2 Please describe where and how the IDS Research Infrastructure Grant project assisted in building up the research capacity of the institution in its strategic areas (e.g. has the IDS Research Infrastructure Grant project facilitated the academics in formulating their research proposals under the Faculty Development Scheme, etc.).

Since the inception of the Research Office (RO) with the support of the funding from the IDS Research Infrastructure Grant, it has become the arm of the College in setting the institutional framework and strategic plan for research development of the College, overseeing the execution of the research policies at the College, and organizing research activities to promote the research capacity, culture and branding of the College.

The RO works closely with the College's management team in setting up a fully functional Research Office. In addition to developing a research-friendly human resources policy to accommodate the needs of staff with research responsibilities, the RO supports the College in acquiring staff with high research calibre.

The RO has established strong collaboration relation with other units within the College. In hand with the Institution Advancement Unit, RO has supported in aligning parties in the private sector and grant-giving foundations such as Wofoo Foundation and Lee Hysan Foundation to raise funding for research as well as developing collaborative projects for knowledge transfer and social impact. It has liaised and provided support for staff of the Academic Team to establish projects with private, public and governmental funding bodies, generating impact and research significance (Please see Appendix 7 for the results of research funding applications throughout the project period). RO has also worked with Marketing Office in order to brand the College as the leading institution in early childhood education through the promotion and publicity of the outputs and achievements from all research projects via various channels, e.g. College website, social media and popular news outlets, etc. The RO has co-ordinated with the Library, e-Learning Team and IT unit in pursuing to providing cutting-edge technologies (including access to modern databases, online communication and file-sharing platforms academic indices, etc.) to support research at every level of the research cycle, from embarking on research to disseminating research outputs. Furthermore, RO is also facilitating the College in developing the Scholar Hub to showcase the professional academic profile of all academic staff.

The policies and guidelines developed by the RO have ensured all staff as well as research and projects launched in the College would fulfil the professional code and ethical requirements, aiming to achieve excellence in research and scholarship. It has provided support to staff and students in the following areas in research and scholarship:
- Information dissemination (e.g. e-newsletter, information session, etc.)
- Inquiry service and professional consultation (e.g. funding matching, idea formulation and proposal advisory, etc.)
- Enhancement training in research capacity (including ideation, proposal preparation, funding application, research integrity, publication, etc.)
- Support in research output dissemination (e.g. publication preparation, output dissemination, knowledge exchange, etc.)
- Research ethics and review
- Knowledge exchange

The RO has initialized opportunities in expanding the horizons of knowledge of staff and students, informing them with updates on the state of the art of the field and research

through seminars, conferences and exchange activities. While showcasing the outstanding team of academic staff at the College to the international academia, the RO also helps to build scholarly relationships and networks between the College and other local and international institutions to promote further development of research.

Supporting the wish of the College to recognize research excellence in staff and students in order to promote an active research culture within the College, the RO has set up an annual series of research awards. The research awards for staff include the *Knowledge Transfer Award* and the *Outstanding Research Achievement Award*, while those for the students include the *Best Capstone Presentation Prize* and *the Best Capstone Project Award* (Please see Appendix 3 for the awards and schemes set up by the Research Office and the College).

6.3 If the project has not met its original objectives, why?
N/A

6.4 (a) Please provide details e.g., title, authorship, publication dates, etc. and attach an abstract of each publication reported. Please place asterisks on publications involving inter-institutional collaborations.

Journal articles
(Please see Appendix 8 for the abstracts of the articles reported below)

[2022]
*Chau, L., Yuen, M. T., Chan, P., Liu, S., Chan, L., Lee, D., & Hsieh, W. H. (2022). Play-based parent training programme supporting Hong Kong kindergarten children in social competence development. *British Journal of Guidance & Counselling*. DOI: 10.1080/03069885.2022.2030464

*Cheung, A. C. K., Chao, G. C. N., **Lau, E**., Leung, A. N. M., & Chui, H. (2022). Cultivating the psychological well-being of early-childhood education teachers: The Importance of quality work life. *Applied Research in Quality of Life, 17*(3), 1533–1553. https://doi.org/10.1007/s11482-021-09959-x

*Cheung, K., Ho, C. S. W., Tsang, H., & **Lau, E.** (2022). Comparing the learning approaches of transfer students and direct entrants in an asian higher education context. *Sustainability, 14*(5), 2523. https://doi.org/10.3390/su14052523

*Li-Tsang, C. W. P., Li, T. M. H., Yang, C.N., **Cheung, P. P. P.**, Au, K. Y., Chan, Y. P., Cheung, K. Y., Ho, K. H., Kwok, K. W., & Leung, H. W. H. (2022). Evaluation of a group-based sensorimotor intervention programme to improve Chinese handwriting of primary school students. *Heliyon*, 9(2), e12554. https://doi.org/10.1016/j.heliyon.2022.e12554

*Sze, H. L. H., Fung, C. L. B., **Cheung, P. P. P.**, Chim, T. Y. A., Lee, M. H., Law, C. C. C., & Lau, W. M. B. (2022). Cross-cultural validation of health and quality of life measures for children in Hong Kong. *Occupational Therapy International*, 2022. https://doi.org/10.1155/2022/5672679

*Wen, R., & Wu, X. (2022). 建設嬰幼兒友好社區：經驗與啓示 [Constructing baby-friendly communities: Experience and implication]. 陝西學前師範學院學報

[*Journal of Shanxi Xueqian Normal University*], *2022*(6), 11-17.

*Yang, T., & **Zhang, Y.** (2022). An ecological investigation of kindergarten-oriented educational practice during the initial COVID-19 class suspension in China. *Early Education and Development, 34*(5), 1191-1212. https://doi.org/10.1080/10409289.2022.2095858

*Yin, H., Tam, W. W. Y., & **Lau, E.** (2022). Teachers' affective states, self-efficacy and teacher-child relationships in kindergartens: Integrating the perspectives of social cognitive theory and positive psychology. *Studies in Educational Evaluation*, *74*, 101188. https://doi.org/10.1016/j.stueduc.2022.101188

[2021]
*Cheung, P. P. P., Brown, T., Yu, M., & Siu, A. M. H. (2021). The effectiveness of a school-based social cognitive intervention on the social participation of Chinese children with autism. *Journal of Autism and Developmental Disorders, 51*(6), 1894–1908. https://doi.org/10.1007/s10803-020-04683-1

*Cheung, P. P. P., Yu, M., & Brown, T. (2021). Qualitative evaluation of a social cognitive training program for parents of children with autism from Hong Kong. *Occupational Therapy in Health Care, 35*(3), 286–305. https://doi.org/10.1080/07380577.2021.1930325

*Hung, C. O. Y. & Loh, E. K. Y. (2021). Examining the contribution of cognitive flexibility to metalinguistic skills and reading comprehension. *Educational Psychology. 41*(6), 712-729. https://doi.org/10.1080/01443410.2020.1734187

Hung, C. O. Y. (2021). The role of executive function in reading comprehension among beginning readers. *British Journal of Educational Psychology. 91*(2), 600-616. https://doi.org/10.1111/bjep.12382

Wen, R. (2021). [Cases and implications of museum experiences for infants and toddlers]. *China Afterschool Education, 2021*(6), 89-98.

Zheng, W. W. (2021). 網路遠端教育試題庫系統設計與實現 [Design and implementation of the test database system of network distance education] *微型電腦應用 [Microcomputer Application], 37*, 105-107.

Book / Book chapters

[2022]
*Sanders-Smith, S., Bryan-Silva, K., & **Olguín, A. A.** (2022). "You learn from it because you have no choice. And you do it": Teacher candidates adapting to crisis. In O. Saracho (Ed.), *Contemporary perspectives on research on COVID-19 in early childhood education* (pp. 213–229). Information Age Publishing.

[2020]
*Loh, E. K. Y. & **Hung, C. O. Y.** (2020). *A study on the challenges faced by mainstream schools in educating ethnic minorities in Hong Kong*. HKSAR: Equal Opportunities Commission.

Conference presentations (Paper/Poster)

[2022]

Chan, B. Y. W. (2022). *Pioneering three-in-one Jumpstarter STEM Education Kit and home-school-community network* [Talk presentation]. Learning & Teaching Expo (LTE) 2022, Hong Kong.

Cheung, P. P. P. (2022). *A comparison of quality of life in children with and without special education need* [Paper presentation]. The PECERA-HK Celebration of 25th Anniversary of HKSAR Establishment cum 22nd PECERA Annual Conference, Hong Kong.

Hung, C. O. Y., & **Tse, R.** (2022). *Introducing an integrated model of nurturing care for infants and toddlers at childcare centres* [Talk presentation]. Learning & Teaching Expo (LTE) 2022, Hong Kong.

*Liu, Q., & Hsieh, W.-Y. (2022). *A self-directed telehealth parent training program for children newly diagnosed with ASD in China* [Poster presentation]. Conference on Research Innovations in Early Intervention (CRIEI) 2022, Virtual, University of Washington, USA.

Ting, N. (2022). *Using picture books to support children's positive transition from kindergarten to primary school*. [Talk presentation]. Learning & Teaching Expo (LTE) 2022, Hong Kong.

Tse, R. (2022). *School leaders' dilemmas, values and leadership in respect of the development of inclusive cultures in Hong Kong kindergartens* [Paper presentation]. The PECERA-HK Celebration of 25th Anniversary of HKSAR Establishment cum 22nd PECERA Annual Conference, Hong Kong.

Wang, X. (2022). *系統功能語言學的跨學科應用及發展方向 [Systemic Functional Linguistics in the interdisciplinary application and development]* [Paper presentation]. 第六屆語言學博士論壇 (The Linguistics Doctoral Symposium), Virtual, Tsing Hua University, China.

Wen, R. (2022). *Improve EC teachers' self-efficacy and attitudes in teaching STEM: Practice in Hong Kong* [Talk presentation]. Early Childhood STEM (ECSTEM) Conference 2022, Virtual, California, USA.

Wong, M., & **Chan, B. Y. W.** (2022). *Play for all: Reduce inequality through developing an affordable play space.* 2022 AERA Annual Meeting (Virtual), San Diego, USA.

*Yin, H., Tam, W. W. Y., & **Lau, E.** (2022). *Facilitating teacher self-efficacy in Hong Kong kindergartens: The significance of emotional paths* [Paper presentation]. 2022 AERA Annual Meeting, San Diego, USA.

*Zhuang, K., Q., & **Lau, E.** (2022). *Take it or deny it? – The effect of conflicting sociopragmatic norms and values in L1 and L2 on the response strategies to compliments by Chinese ESL learners* [Poster presentation]. The 47th Annual Boston University Conference on Language Development (BUCLD), Boston, USA.

[2021]

Chau, L. N. L. (2021). *A professional development programme to support Hong Kong early childhood practitioners in assisting children to learn through play* [Talk presentation]. Learning & Teaching Expo (LTE) 2021, Hong Kong.

*Chong, E., Kwan, Y., **Wong, M.**, & **Chan, B. Y. W.** (2021). *Promoting early childhood STEM in the digital era: A framework to support the supporters* [Paper presentation]. *EAPRIL2021* (Virtual), Kufstein (Tyrol), Austria.

Hood, M. B. (2021*). Children's picture books and family diversity in early childhood settings: Who is included?* [Paper presentation]. *Pacific Early Childhood Education Research Association (PECERA) Conference 2021*, University of Auckland, New Zealand.

*Liu, Q., & Hsieh, W.-Y. (2021). *Preparing pre-service teachers to work with families of children with ASD* [Poster presentation]. Division for Early Childhood's 37th Annual International Virtual Conference 2021, Virtual, USA.

*To-Chan S.P.T., Loh K.Y.E., & **Hung C. O. Y.** (2021). *Learning the lexical meanings of Chinese characters among kindergarteners reading Chinese as a second language: A three-wave longitudinal study* [Poster presentation]. *Society for the Scientific Study of Reading Annual Meeting 2021*, Virtual.

Wen, R., **Cheung, C.**, & **Hung, C. O. Y.** (2021). *Developing early childhood education quality framework and standards in China* [Paper presentation]. The OMEP Asia Pacific Regional Conference 2021, Hangzhou, China.

Wen, R., **Wong, M.**, **Chong, E.**, & **Chan, B. Y. W.** (2021). *The effectiveness of STEM-related courses in improving early childhood preservice teachers' self-efficacy and attitudes toward STEM teaching* [Paper presentation]. International Conference on Learning and Teaching 2021, Hong Kong.

Wong, M., & **Chan, B. Y. W.** (2021). *The impact of parents' education level, attitude and self-efficacy on young boys' and young girls' STEM learning* [Paper presentation]. *Network Gender & STEM Conference 2020*, Sydney, Australia).

Invited talks

[2022]
Chan, B. Y. W. (2022). *Learning Community Series.* Jockey Club KeySteps Project and PECERA HK, Hong Kong.

Hung, C. O. Y. (2022). *Hong Kong Jockey Club New Generation Academy Storytelling Workshop*. Faculty of Education, The University of Hong Kong, Hong Kong.

[2021]
Chan, B. Y. W. (2021). *Jockey Club Teach Unlimited "Walk with Youth"* [Keynote speech]. Mentorship Programme Online Symposium 2021, Hong Kong.

Chan, B. Y. W. (2021). *STEM in ECE experience sharing session: Good practices at a glance* [Keynote speech]. Jockey Club 'CoolPlay' Project, Hong Kong

*Names in bold are college staff.

(b)   RGC funding should have been acknowledged in all activity(ies) / publication(s) / conference(s) papers listed in (a) above. If no acknowledgement has been made in any of the event / publication / paper, please indicate and provide explanations.

The RGC funding received for the establishment of the Research Office has an indirect impact on the research in all the publications and presentations listed above. Therefore, the current IDS funding was not acknowledged in any of the items listed above.

6.5   Research staff trained
(Please provide names and capacities of research staff trained and elaborate on what training has been provided.)
Please see Appendix 1 for names and capacities of research staff trained, and Appendix 2 for elaboration on the type of training provided.

6.6   Specific products
(e.g. patents, software or netware, instruments or equipment, infrastructure developed)
N/A

6.7   Other education activities and / or training and development
N/A

6.8   Please highlight any deliverables indicated in the project implementation timetable endorsed by RGC, which have not been covered or achieved as per sections 6.1 to 6.7 above, and explain / elaborate.
N/A

6.9   Please elaborate the role of the managing team in coordinating and managing the project.

The roles of the management team in the present project area are as follows:
1. Accepting and demonstrating ownership of the project;
2. Advocating the project both internally and externally;
3. Providing collective and unified direction to the project team and ensuring effective communication within the project and with external stakeholders;
4. Ensuring project activity plans are feasible and realistic;
5. Monitoring the progress of the project plan;
6. Project assurance and quality control;
7. Ensuring the project deliverables are reliable, sustainable and can be maintained efficiently;
8. Allocating adequate College resources required to complete the project;
9. Securing budgets and ensuring appropriate financial controls are in place.

- **Awards And Recognition**

7.1   Have any research grants been awarded that are **directly** attributable to the results obtained on this IDS Research Infrastructure Grant project? *(Please provide details)*
N/A

7.2 Other awards and recognitions as a result of this IDS Research Infrastructure Grant project *(Please specify)*
N/A

• **Other Impacts**

8.1 What are the current and expected impacts of the project in terms of its contribution to the local and regional economic and societal well-being? *(e.g., technology transfer, collaboration with external organizations, etc.)*

Since the inception of the Research Office, the College has gone from minimal research and blossomed into 17 research projects of significant scale with funding support from different prominent funding bodies, specializing in different areas of early childhood care, development and education. Through these projects, the College has established connections with fellow higher education institutions, local organizations, and schools, who all shared the same vision and passion for the promotion of quality early childhood, fostering a coalition in advocating for a quality early childhood in all aspects of development and education for children. We have worked closely with practitioners, families and community and empowered them of their capacity in providing quality care and education to children in different contexts.

With the collaboration between the Research Office and the Academic Unit, the College has prepared and equipped pre-service kindergarten teachers and childcare professionals with a research thinking mindset to bringing in their experience in action research into their classroom and teaching, and establishing the spirit of pursuing evidence-based practice to identify methods for the best interest of children's development and learning.

Public workshops, seminars and international conferences (co-)organized by the RO are platforms that allow the College to gather like-minded scholars, experts and frontline practitioners together to share their insights and thoughts on the pressing issues in Early Childhood Development and Education, and aspire on steering development and resolutions to current issues in ECE in Hong Kong. Talks and international conferences in hybrid/online mode, research projects targeting ECE in mainland China and exchange activities for staff and students to China and abroad allows the College to serve as a networking hub to connect ECE scholars and experts, and even schools, to the international alliance. It also allows the College and our team of vibrant scholars to stand as the leading voices in ECE in the international arena.

8.2 Others *(Please specify)*
N/A

• **Statistics on Research Outputs**

	Peer-reviewed Journal Publications	Conference Papers	Scholarly Books, Monographs and Chapters	Patents Awarded	Other Research Outputs (please specify)

No. of outputs arising directly from this project	N/A	N/A	N/A	N/A	Type	No.
					International Conference	1

- **Sustainability of The IDS Research Infrastructure Grant**

10.1 Whether there are new ideas evolved **<u>directly</u>** from the project?

The establishment of the Research Office has sparked many new developments and initiatives within the College.

Promote Research Culture:
- The RO has strengthened its collaboration with other units in the College, and launched multiple series of seminar series, such as the *Brown Bag Seminar Series* and the *Public Seminar Series,* to allow more idea exchange and networking opportunities with prominent scholars and local practitioners and organizations in the fields;
- The College has committed to make the international academic conference to be a regular annual event. The second international academic conference is scheduled to be launched in the next academic year;
- More opportunities will be prepared for students to have a greater involvement in research, such as student research internship scheme, student research exchange with overseas institutions, conference presentation support for students, etc.

Enhance Research Capacity:
- Provide wider range of research training workshops for staff and students to equip them with cutting-edge research knowledge and technologies;
- Consolidate resources acquired from different projects and build a research tool library and database.

Steer Research Development at College Level:
- Further develop research initiatives in alignment with the College's strategic development:
  - o   a community-facing service centre in support of children and families;
  - o   an assessment and intervention support centre for children with special needs.

10.2 Whether there are new projects evolved **<u>directly</u>** from the project?
N/A

10.3 Whether there are new collaborations developed **<u>directly</u>** from the project?

The Research Office has motivated development of new collaborations with various units within the College. These collaborations include partnerships with the Institutional Advancement and Marketing Office (IAMO), Academic Unit, Library, Student Development Office (SDO), and other project teams. These collaborations have enabled the Research Office to leverage expertise, resources, and networks to enhance research capacity and promote interdisciplinary research initiatives.

Hong Kong and mainland China as well as public grant bodies, such as Hong Kong Jockey Club Charities Trust, Lee Hysan Foundation and Wofoo Foundation.

10.4 Please give details on how much money and from which sources has been obtained for the specific purpose of continuing the work started under this IDS Research Infrastructure Grant project.

The operation of the Research Office and funding support to all research-related activities launched in the College will be coming from the operation budget of the College as well as the Research Enrichment Scheme, set up from continuous private donations and respective Research Matching Grant Scheme by the UGC (about 2.4 million HKD as of the date of report).

Public Access Of Completion Report
(Please specify the information, if any, that cannot be provided for public access and give the reasons.)

Information that Cannot Be Provided for Public Access	Reasons
N/A	N/A

RGC Ref. No.:

UGC/IDS(R)41/19

(please insert ref. above)

INSTITUTIONAL DEVELOPMENT SCHEME (IDS)
RESEARCH INFRASTRUCTURE GRANT

Summary of Completion Report
(Please list all the stages since project inception)

Project Title: Development of Institutional Research Capacity - First Phase: Building Infrastructure and Research Capacity of Academic Staff (YCCECE)

Stage Completed	Period		Milestones	
	(Month / Year) to (Month / Year)		**Deliverables to be Achieved[2]** (Please summarize in **three** bullet points where details should be left to the report proper)	**% of Each Deliverable Achieved[3]**
1	January 2020 to December 2020		1. Establishing an effective system for research work in the College for both students and academic staff 2. Promoting the research culture, and to support academic staff in developing research capacity and conducting research 3. Providing necessary hardware and software in order to conduct research	1. 60% 2. 50% 3. 90%
2	January 2021 to December 2021		1. Establishing an effective system for research work in the College for both students and academic staff	1. 80% 2. 70% 3. 95%

Stage Completed	Period		Milestones	
	(Month / Year) to (Month / Year)	████████	Deliverables to be Achieved[2] (Please summarize in **three** bullet points where details should be left to the report proper)	% of Each Deliverable Achieved[3]
		████████	2. Promoting the research culture, and to support academic staff in developing research capacity and conducting research. 3. Providing necessary hardware and software in order to conduct research.	
3	January 2022 to December 2022	████████	1. Establishing an effective system for research work in the College for both students and academic staff 2. Promoting the research culture, and to support academic staff in developing research capacity and conducting research. 3. Providing necessary hardware and software in order to conduct research.	1. 100% 2. 100% 3. 100%
Total to-date:				

Note: [1] Justifications for significant under-spending or over-spending ($\geq \pm 10\%$) should be given in **section 5.1** of the completion report.

[2] The key milestones to be achieved by the project within the respective stage as indicated in the approved implementation timetable.

[3] Justifications for significant slower rate of progress compared with the approved implementation timetable should be provided in detail in **section 4** of the completion report.