

THE CHINESE UNIVERSITY OF HONG KONG

ITC Technology Start-up Support Scheme for Universities

Guidelines

(Last update: 17 August 2021)

1. Introduction

- 1.1. In 2014-15, the Innovation and Technology Commission (ITC) set up, under the Innovation and Technology Fund (ITF), the Technology Start-up Support Scheme for Universities (TSSSU) to provide funding support to six local universities to encourage their students and professors to start technology businesses and commercialise their R&D results.
- 1.2. As with other institutions under the scheme, TSSSU will be available to CUHK, on a reimbursement basis for expenses incurred in the corresponding Government financial year, subject to the annual funding ceiling of HK\$8 million per year, to support technology ventures from the CUHK community.
- 1.3. At CUHK, TSSSU is operated through the Office of Research and Knowledge Transfer Services (ORKTS) and governed by the Committee on Knowledge Transfer (KTC). The deadline for CUHK recommendation of companies to ITC is 1 February 2022 in this instant exercise. As between ITC and CUHK, in case there is any disparity between the ITC TSSSU Application and Reimbursement Guidelines and the Guidelines in this document, the former should prevail.
- 1.4. The vetting panel will include also representatives from Hong Kong Science and Technology Parks Corporation (HKSTPC). Applicant teams will be evaluated independently by HKSTPC for admissions to HKSTP incubation programme in addition to the TSSSU programme. Successful applicant teams can decide whether to accept the offers from HKSTPC.

2. Funding Scope

- 2.1. A successful applicant (“Start-up”) may be funded for not more than three years¹ subject to the availability of the TSSSU funding. In any case, each annual funding must be applied with a separate application every year. The application submitted by an applicant receiving funding in a previous year will be re-evaluated along with applications from new applicants. The funding is capped at HK\$700K per year. The operating budget (“Budget”) submitted along with the application must comply with the TSSSU funding criteria, with milestones approved by a Vetting Panel appointed by CUHK. The decision of the Vetting Panel is final and conclusive.
- 2.2. Items to be included in the Budget should be reasonable and proportionate and used in a proper manner in the following areas:

¹ The three-year period should count consecutively from the first year that a start-up is approved for TSSSU funding. For example, if a start-up was first approved for funding in 2016-17 (Year one) and only applied for continued funding in 2018-19 (Year three), it will not be eligible for seeking further funding in 2019-20 (Year four).

- essential items for setting up and operating the Start-up (e.g. furniture and equipment, legal and accounting services, rental of necessary and suitable premises, manpower, etc.);
- expenditure on R&D (e.g. manpower, equipment, licensing fees or royalties due to CUHK, other direct costs, etc.); and
- promotional activities and marketing of their R&D deliverables, products or services.

2.3. Following expenses are NOT funded under TSSSU:

- Rental expenses that are irrelevant to the operation of the Start-up;
- Manpower expenditure on bonus, contract gratuities, annual salary adjustment as well as general fringe benefits and allowances such as expenses on housing (including nominal rental for quarters), education, training, passage and travelling, food, medical, dental, insurance, severance pay, overtime and untaken leave, etc.;
- Expenses on mass production activities;
- Expenses on offering gifts (e.g. cash coupons) for marketing and/or promotion purposes;
- Expenses incurred as matching fund for other schemes of ITF;
- Costs of forming associations or membership subscriptions;
- Investment of any kind except for normal deposit of funds in the bank accounts of the Start-up;
- Repayment of any loan (including but not limited to student loan) taken out by the Start-up and/or its members and employees, and/or any member of the Start-up team;
- Any trip that is unnecessary or irrelevant to the operation of the Start-up;
- Entertainment expenses that are unnecessary or irrelevant to the operation of the Start-up;
- Fees charged to the Start-up arising from general services (e.g. office administrative services, etc.) provided by CUHK;
- Any expenditure item that is unnecessary or irrelevant to the operation of the Start-up;
- Any events or activities inconsistent with the laws or regulations of Hong Kong or other applicable jurisdictions.

Activities of the technology start-ups funded under TSSSU should primarily be conducted within the territory of Hong Kong. However, given the objective of TSSSU to support technology start-ups, up to 50% of the TSSSU funding provided to each technology start-up in each Government financial year can be incurred in the Mainland and other countries.

2.4. Funding will be allocated through upfront payment in two instalments to the bank account of the Company (see 3.3) upon successful achievement of agreed milestones and compliance with the Budget. Twenty five percent (25%) of the second instalment will be temporarily withheld. After all the receipts and invoices of the entire financial year are submitted and verified and the approval of reimbursement is given from ITC, the remaining unpaid expenditure will be reimbursed. All TSSSU-funded companies must return all unused upfront payment and instalment at the end of the financial year.

2.5. If the Start-up has made reasonable progress in its R&D work and/or business performance in the funded year, CUHK may recommend the Start-up for continued funding under TSSSU for the application of the next Government financial year upon the availability of funding from ITC. The Company will be assessed by the entrepreneurship consultant who has been providing

mentorship to the Start-up during the reimbursable period. The assessment will be reviewed, discussed, and adjusted by the Steering Committee in a pre-screening session. The Steering Committee will report the progress of the pre-screening session to the vetting panel and recommend whether this company should be nominated for the TSSSU funding.

- 2.6. Any item or part thereof already funded by the Government, a Government subvented body/institution, CUHK or third parties will NOT be funded by TSSSU (i.e. no double payment is allowed for the same part of an expenditure item).
- 2.7. Subject to the conditions of approval as set out in 3.9, TSSSU fund can be used to reimburse for the time cost of a CUHK full-time non-teaching employee (e.g., research assistant, postdocs, etc.) to the CUHK's "appointment funding source" of the employee concerned if he or she will support a TSSSU startup during the University's usual office hours. If a TSSSU company chooses to use TSSSU fund to pay for the time cost, the cost can be labelled as "contract service" and listed as an item under "Other Direct Costs" in the Budget. The Company should obtain the level of reimbursement from Finance Office through ORKTS.
- 2.8. As in most start-up companies, founding members of the start-up company are financially rewarded primarily by the value of the company that they grow. While TSSSU fund can be used to pay salaries for founding members as well as employees of a company, a salary cap is set for the founding members who are granted shares.
 - Monthly salary for a founding member who has no degree: up to \$12,000
 - Monthly salary for a founding member who has a bachelor degree: up to \$16,000
 - Monthly salary for a founding member who has a postgraduate degree: up to \$22,000

3. Eligibility

- 3.1. The technology involved in the application must be CUHK-related and with Intellectual Property (IP) owned by CUHK. If the technology has not yet filed IP under CUHK at the time of application, an Invention Disclosure Form or a Copyright Disclosure Form and Assignment must be submitted to ORKTS IP and Technology Licensing Team.
- 3.2. The technology involved in the application must reach the required Technology Readiness Level (TRL). Physical Science and Engineering technology must reach TRL 4 or above and HealthCare technology must reach TRL 3 or above.
- 3.3. The applicant must be a company already registered under the Companies Ordinance for no more than 24 months before the date specified by ITC². The 24-month eligibility requirement does not apply to a start-up which is recommended for the TSSSU funding for the second or the third year.
- 3.4. The number of members of the Company must be at least two and can include CUHK alumni and individuals external to the CUHK community. Active members of CUHK (current full-time students, professors, or alumni graduated within the last 36 months (the 36 months eligibility

² The relevant date for the 2022-23 Government Financial Year is 1 February 2022.

requirement for alumni does not apply to the Company which applies for the second or the third year of funding)) should be the effective majority of shareholders of the Company³.

3.5. A Start-up team may have any mix of the following CUHK members:

- (a) Undergraduates/graduates/postgraduates;
- (b) Professor(s) or other faculty members to serve as consultant(s), providing technical expertise and direction of the R&D work; and/or
- (c) Business savvy university alumni, giving business and management advice, etc.

For CUHK, the eligible status is defined automatically at the time when the application is submitted. A team member who is a staff member and also an alumnus/alumna will be considered a staff member, instead of an alumnus/alumna.

3.6. The Start-up team must appoint a Person-In-Charge (“PIC”) among its members who should be active members of CUHK as specified in 3.4 above and be a Director of the Company with authority to sign on behalf of the company and legally bind the Company, and to engage in the Company’s business. The PIC is responsible for (a) overseeing the operations of the Company, and (b) liaising with ORKTS on matters relating to the funding under TSSSU. According to ITC, the PIC is required to hold a senior position with savvy knowledge of the technology start-up and can be reached by CUHK during normal business hours. The PIC MUST also be either a Professor or a student/graduate. A visiting professor whose contract with CUHK is scheduled to expire before the end of the current TSSSU financial year can serve only as a member but not a PIC. A non-professoriate staff member (e.g. Research Associate, Research Assistant, Postdoc) can serve only as a member but not a PIC. Also, a full-time CUHK employee, according to the terms of employment at CUHK, cannot work full-time for the company.

For the avoidance of doubt, the PIC CANNOT join other concurrently active teams funded by TSSSU.

3.7. Since a TSSSU applicant must be a registered company, all CUHK full-time staff members who participate in the operation of the Company will be in a situation of engaging in Outside Practice (“OP”) for their Outside Business Activity (“OBA”). They should therefore acquaint themselves with the relevant University regulations on OP (Staff Handbook Chapter B7) and OBA (Staff Handbook Chapter B17), particularly with respect to apparent/potential conflict of interests and commitment situations. While pursuing a full-time employment at the University and a business initiative under company registration at the same time, the PIC and team members of the TSSSU Company who are CUHK full-time staff members will have ongoing dual/multiple roles to play. To avoid being challenged for conflicting roles, PIC and team members should avoid and/or make proper declaration in such situations. For instance, a way to manage this in the daily operation is to segregate the time and the place of work for the Start-up from University duties.

3.8. When TSSSU was first launched in Government financial year of 2014-15, the University has approved a special arrangement to enable CUHK full-time staff members to engage in their TSSSU-OBA in accordance with the following regulations governing OP:

³ Effective majority of shareholders are shareholders who have direct or indirect holding of the company’s shares for more than 50%.

- (a) Teaching appointees engaging in TSSSU-OBA conducted locally in Hong Kong within the approved time limit of not more than 1 day per week for all remunerative outside professional activities are not required to take their own accrued leave provided that the time release will not cause any inconvenience to the respective Department/Unit. However, they shall apply for their own accumulated leave for activities conducted outside Hong Kong.
 - (b) Non-teaching appointees, including research appointees, may conduct TSSSU-OBA outside of the appointee's normal working hours and the University's usual operating hours (UOH), or during their own accumulated leave.
- 3.9. Beginning the Financial year of 2016-2017, The Committee on Advancement of Student Innovation and Entrepreneurship (CASIE) has extended a further special arrangement to enable a non-teaching staff team member to engage in TSSSU-OBA during the University's UOH (Monday to Friday), subject to the below conditions:
- (a) The parent Department/Unit and the Faculty of the staff member concerned are agreeable to the expected beneficial outcome of the proposed TSSSU-OBA and confirm that proper arrangements can be made to cover the staff member's University duties.
 - (b) The Start-up should arrange to reimburse the CUHK's "appointment funding source" of the corresponding staffing cost (see 2.7).
 - (c) The non-teaching employee should not receive any extra income from the Start-up by supporting the Start-up during office hours. However, the Company may offer shares to the CUHK employee as long as the shares will not be converted to cash during the TSSSU funding period.
 - (d) At the end of the TSSSU funding period, the CUHK non-teaching employee shall cease to support the Company during the University's UOH.
- 3.10. Notwithstanding the special arrangements as set out in 3.8 and 3.9 above, CUHK full-time staff members who will be/are involved in a TSSSU Company should acknowledge that their work for the Start-up is not part of the duties for their employment with the University per se.
- 3.11. The PIC or team members who are full-time CUHK staff members should discuss their TSSSU-OBA with the Department Chairpersons/Faculty Deans the soonest possible to ensure that the engagement is in alignment with the strategic development and manpower plan of the Department/Faculty. To facilitate staff engagement in TSSSU, the PIC and team members should set out at the application stage their roles and nature of involvement in the Company, and their estimated time involvement in Appendix to **Annex A** (see 5.1). The account will facilitate consideration and endorsement of their applications by the Department Chairpersons/Faculty Deans.
- 3.12. As part of the terms of approval, the PIC and each team member of a TSSSU Company who are CUHK full-time staff members will be required to review and re-affirm the nature and extent of their commitment in the TSSSU initiative in a TSSSU-OBA Document. The PIC and each team member will undertake the Start-up as per the terms of approval, including inter alia, reporting changes/actual operation in an adjustment/annual report, and filing an end-of-term report in due course.
- 3.13. If the PIC withdraws from the Start-up team, the replacement must also be an active member of CUHK as specified in 3.4 and 3.6 above for the Company to remain eligible under TSSSU.

3.14. Subject to the endorsement of the Department Chairperson and the Faculty Dean/Supervising Officer and pursuant to the enhanced regulations governing OP and OBA effective from July 1, 2021, teaching appointees may submit a fresh application via the 'Form for Reporting Outside Business Activity' to take OP time release to continue their professional engagement in the Company after the end of the TSSSU funding period. The time involved in an OBA that fosters knowledge transfer and commercialization of the University's research and innovation during the University's UOH will be recorded in the Integrated OP Administration System (IOPAS).

4. Screening Criteria

The Vetting Panel will take the following into account during assessment of applications.

4.1. Innovation and technology content of the business [40%]

- Potential for knowledge transfer;
- Intellectual property position, including patents, copyrights, trademark, know-how, etc.;
- Stage of technology development and readiness for application (Technology Readiness Level);
- Preference given to the innovation and technology that has synergy with CUHK Strategic Areas (i.e. China: Tradition & Modernity; Innovative Biomedicine; Information & Automation Technology; Environment & Sustainability).

4.2. Commercial viability of the business [30%]

- Well-defined business and budget plan;
- Well thought-out market analysis (e.g. opportunities, entry barriers, competitions, etc.);
- Viable and realistic milestones and deliverables;
- Whether the Start-up has secured other sources of funding apart from the TSSSU;

4.3. Team expertise and commitment [25%]

- R&D and management capabilities of the team;
- Drive and commitment of team members;
- Incentive in equity for core team members;

4.4. The social and/or community impact of the start-up's R&D project(s) [5%]

- Products and services that improve the quality of human life;
- Positive social impact to the society;

5. Application Procedures

5.1. The Applicant is required to complete an application form according to the template in **Annex A**.

5.2. The Applicant is required to state clearly concrete project milestones and a budget showing all expenditures and justifications in association with the milestones. The budget must be consistent to the Funding Scope as stipulated in Section 2.

- 5.3. The application form, with endorsement from an authority of the relevant Department and Faculty in Section E (for Student PIC) and/or Appendix (for PIC or members who are CUHK full-time employees), and Supporting Documents as listed in Section C of Annex A in hard copy, must be submitted in person to ORKTS at **Unit 1A, 1/F, Innoport, The Inter-University Hall** by **5:00pm on Friday, 12 November 2021**⁴. Sufficient time should be allowed for obtaining the endorsement in Section E and/or Appendix, which will normally take at least 2 weeks. Incomplete application will NOT be processed.
- 5.4. All applications will be reviewed by the CUHK members of the Vetting Panel. Shortlisted applicants will be invited to attend an interview to give a short presentation and answer questions in front of the full Vetting Panel including external assessors in mid-December 2021.

6. Result Announcement

- 6.1. Results will be announced **by mid-January 2022**. Applicants will receive a confirmation email from ORKTS. Successful applicants are required to confirm whether they accept that the application would be recommended to ITC for further examination within THREE calendar days after result announcement.
- 6.2. Revised budgets, if required, must be submitted to ORKTS via email within a week after result announcement as the level of funding for the successful applicants may be adjusted according to the allocation approved by KTC.

7. Rules and Conditions for Awarded Teams

- 7.1. All awarded Companies are required to enter into an Award Agreement with CUHK upon confirmation from ITC of their eligibility and applications.
- 7.2. The awarded companies will be continually monitored and assessed by ORKTS. Awarded companies are required to complete and submit to ORKTS the following documents:
- An annual reimbursement request (**Annex B**) submitted before 31 May for the expenditure incurred during the reimbursable period⁵ of the previous Government financial year ended 31 March, when the related activities have been conducted and the related services and goods have been delivered.
 - Auditors' reports and statement of expenditures (see **Annex C** Notes for the Auditors) submitted before 31 May. Technology start-ups should handle the keeping of books and records, etc. to facilitate auditors to conduct a reasonable assurance engagement in accordance with the requirements stipulated in Annex C.
 - Reports on the progress of the business submitted semi-annually before 31 October and annually before 30 June to ORKTS and Bursary for assessment.

⁴ Late submission will NOT be accepted. Company Registration document should be ready before submission to ITC by 1 February 2022.

⁵ The reimbursable period refers to the period from the date of ITC's funding approval to the technology start-up, to the end of the relevant Government financial year (i.e. 31 March).

- Reports on matters such as new IP generation, incomes and revenues of the business, etc. in **Annex D(ii) submitted** before 30 June.
- 7.3. CUHK will appoint a Entrepreneurship Consultant to assist and monitor the commercialization of the awarded Start-ups. The Entrepreneurship Consultant and any authorized person acting on behalf of the Government shall be allowed to perform random checks of documents, records, etc. of the awarded companies to ensure their compliance with the guidelines and requirements relevant to TSSSU.
 - 7.4. If any CUHK IP is involved, the companies should make necessary licensing arrangement according to CUHK IP Policy. If any non-CUHK IP ownership is involved, the companies are responsible to conduct all necessary due diligence and clear all IP related issues with CUHK via ORKTS prior to the application.
 - 7.5. CUHK reserves the right to own a certain percentage of shares in an awarded Start-up. Such arrangement will be made on a case-by-case basis.
 - 7.6. Any material modification to the recommended business proposal of a start-up (including but not limited to change of PIC and key team members of the start-up, cancellation of milestones, change of business scope, expected overspending on any broad category of the budget etc.) should be reported in **Annex E(ii)** when seeking the prior approval from CUHK.
 - 7.7. Any material modification to the budget within the reimbursable period including adding a new budget item should be reported in **Annex E(i)** when seeking the prior approval from CUHK.
 - 7.8. The Commissioner for Innovation and Technology and any authorized person acting on behalf of the Government may conduct random checks of the documents, records, etc. of the company to ensure their compliance with the ITC Application and Reimbursement Guidelines for TSSSU, this document, and requirements relevant to the funding support.

8. Risk Assessment

- 8.1. Once an application is approved for TSSSU, the Entrepreneurship Consultant may conduct a risk assessment to determine the overall risk level of the Company.
- 8.2. The result (risk level) of this assessment does not determine eligibility for funding but will affect, among other things:
 - (a) The frequency of progress reporting;
 - (b) How often the instalments can be provided to the Company;
 - (c) The amount of funds to be held back (holdback);
 - (d) The frequency of site visits; and
 - (e) The need to submit documents and proofs for supporting claims.

9. Intellectual Property

- 9.1. A TSSSU-funded company is encouraged to adopt existing CUHK IP. In doing so, the company should contact ORKTS to obtain a proper license before using the CUHK IP to develop a product.

Likewise, if the company shall adopt non-CUHK IP, the company must obtain proper licenses from the relevant outside parties before using such IP.

- 9.2. CUHK does not automatically claim ownership rights on new IP that is conceived and developed independently by students and alumni during the operation of the Start-up. However, if new IP is conceived by a CUHK professor or researcher and the new IP is related to his or her employment with CUHK, the IP belongs to CUHK.
- 9.3. For CUHK postgraduate students who have been granted graduate assistantships or research assistantships and may have signed a patent/copyright release at the time of appointment, the IP of their invention during the course of the operation of the Start-up may belong to CUHK.
- 9.4. New IP jointly conceived and invented by a company with a CUHK employee in a TSSSU funded Start-up shall belong jointly by the company and CUHK. Such jointly invented new IP must be reported to ORKTS of CUHK as soon as the IP is conceived.
- 9.5. Other IP issues can be found in CUHK's "*Policy on Research*" and "*Policy on Intellectual Property*" ("CUHK IP Policy").

10. Publicity and Acknowledgement

- 10.1. As requested by ITC, acknowledgment of ITF support should appear on all equipment, facilities, publications, publicity and media events related to a TSSSU-funded Start-up.
- 10.2. Similarly, acknowledgment of CUHK should also appear on the list of materials listed in item 10.1.
- 10.3. The following disclaimer should be included in any publications and media events related to an ITF-funded start-up –

‘Any opinions, findings, conclusions or recommendations expressed in this material or publication (or by members of this company) do not reflect the views of the Government of the Hong Kong Special Administrative Region or the Innovation and Technology Commission.’

11. Enquiries

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