**THE SMART CUHK CHALLENGE**

**Smart Campus Solutions Competition**

Application Form (2020/21)

*Please return the completed application form together with any supporting documents to the Task Force on Smart CUHK Challenge Secretariat (c/o Social Responsibility and Sustainable Development Office) by email (**srsdo@cuhk.edu.hk**) by* ***29 January 2021 (Friday)****. Late submissions will not be considered.*

❑ *Please tick as appropriate.*

|  |
| --- |
| **Part A. Team Particulars***(Please refer to paragraph 8 of the* [*Application Guidelines*](https://www.srsdo.cuhk.edu.hk/images/documents/application-guidelines-2020-21.pdf)*)* |
| Project Team |
| A1. Name |  |
| A2. Participating College |  |
| Project Team Advisor from the Participating College |
| A3. Full Name | Advisor 1 | Advisor 2 (if any) |
|  |  |
| A4. Title | ❑ Prof. ❑ Dr ❑ Ms ❑ Mrs ❑ Mr | ❑ Prof. ❑ Dr ❑ Ms ❑ Mrs ❑ Mr |
| A5. Position | ❑ in the participating college:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | ❑ in the participating college:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| and / or | and / or |
| ❑ in the affiliated academic / research / administrative unit:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | ❑ in the affiliated academic / research / administrative unit: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Project Team Leader from the Participating College |
| A6. Full Name |  |
| A7. Student ID (as on CU Link) |  |
| A8. Programme |  |
| A9. Year |  |
| A10. Email |  |
| A11. Contact Number |  |
| Project Team Member *(Please insert additional rows if necessary)* |
| Full Name | Student ID(as on CU Link) | Programme | Year | College |
| A12. |  |  |  |  |  |
| A13. |  |  |  |  |  |
| A14. |  |  |  |  |  |

|  |
| --- |
| **Part B. Project Scope and Particulars***(Please refer to paragraphs 4, 5 and 11 of the* [*Application Guidelines*](https://www.srsdo.cuhk.edu.hk/images/documents/application-guidelines-2020-21.pdf)*)* |
| Project Overview |
| B1. Project Title |  |
| B2. Theme of the Project | ❑ Smart and Green Environment❑ Smart Mobility❑ Smart Learning❑ Smart Living❑ Others (please specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| B3. Which Sustainable Development Goals (SDGs) does your project respond to?*(Please tick all that apply)* |
| ❑ SDG 1 | End poverty in all its forms everywhere. |
| ❑ SDG 2 | End hunger, achieve food security and improved nutrition and promote sustainable agriculture.  |
| ❑ SDG 3 | Ensure healthy lives and promote well-being for all at all ages. |
| ❑ SDG 4 | Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all. |
| ❑ SDG 5 | Achieve gender equality and empower all women and girls. |
| ❑ SDG 6 | Ensure the availability and sustainable management of water and sanitation for all. |
| ❑ SDG 7 | Ensure access to affordable, reliable, sustainable and modern energy for all. |
| ❑ SDG 8 | Promote sustained, inclusive and sustainable economic growth, and full and productive employment and decent work for all. |
| ❑ SDG 9 | Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation. |
| ❑ SDG 10 | Reduce inequality within and among countries. |
| ❑ SDG 11 | Make cities and human settlements inclusive, safe, resilient and sustainable. |
| ❑ SDG 12 | Ensure sustainable consumption and production patterns. |
| ❑ SDG 13 | Take urgent action to combat climate change and reduce its impacts. |
| ❑ SDG 14 | Conserve and ensure the sustainable use and development of the oceans, seas, freshwater bodies and marine resources. |
| ❑ SDG 15 | Protect, restore and promote the sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt and reverse land degradation, and halt biodiversity loss. |
| ❑ SDG 16 | Promote peaceful and inclusive societies for sustainable development, provide access to justice for all, and build effective, accountable and inclusive institutions at all levels. |
| ❑ SDG 17 | Strengthen the means of implementation and revitalize the global partnership for sustainable development. |
| B4. Project Schedule*(Shortlisted Teams must develop a prototype and present their Project at a project pitch in the summer of 2021)* |
| Item | Prototyping | Project Development |
| Commencement Date(DD/MM/YY) |  |  |
| Expected Completion Date(DD/MM/YY) |  |  |
| Duration(No. of months) |  |  |
| Project Details |
| B5. Project Description(in no more than 300 words) |
| *(Please provide: (1) a statement of the aims of the Project; (2) a brief description of the problems it will address; (3) a brief description of how it will be conducted; and (4) an assessment of its significance)*  |
| B6. Target Beneficiary Groups and Key Stakeholders |
| *(Please describe: (1) the target beneficiary groups; (2) the estimated number of people who will benefit; and (3) the key stakeholders of the Project)* |
| Innovation and Technology Content  |
| B7. Project Deliverable  | ❑ Mobile app❑ Product (e.g. device, equipment, tool)❑ Service❑ Software ❑ Others (please specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| B8. Please describe how the Project Deliverable can reach the target beneficiary groups(in no more than 200 words)  |
|  |
| B9. Please describe how and to what extent the Project Deliverable involves the innovative use of technologies (and provide supplementary information about the technical and/or functional specifications of the Project as an attachment, if applicable)(in no more than 200 words) |
|  |
| B10. Please indicate whether items similar to the Project Deliverable already exist in the market. If so, please explain why the proposed Project and funding requirements are still justified. (in no more than 200 words)  |
|  |
| Feasibility and Sustainability  |
| B11. Project Milestone |
| Stage | Reporting Period in 2-month Intervals(MM/YYYY) | Project Milestones to be Achieved(these milestones should be quantifiable and realistic) |
| From | To |
| Prototyping(4–5 months) |  |  |  |
|  |  |  |
| Project Start-up(up to 12 months) |  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| B12. Technical Feasibility(in no more than 300 words) |
| *(Please provide details of the technical and project feasibility in delivering the intended project outcomes)* |
| B13. Project Sustainability(in no more than 300 words) |
| *(Please provide details of how the Project can sustain its operations, services and benefits during and beyond the project period)* |
| Project Management |
| B14. Key Performance Indicators (KPIs)  |
| *(Please provide the KPIs of the Project for evaluation of project outcomes and significance, e.g. the estimated number of people who will benefit, and users’ comments before, during and after the project period, explaining how they were estimated)*  |
| B15. Potential Project Risk Analysis and Management *(Please insert additional rows if necessary)* |
| Potential Risk | Proposed Risk Mitigation Measures |
| 1. |  |  |
| 2. |  |  |
| 3. |  |  |
| 4. |  |  |
| 5. |  |  |

|  |
| --- |
| **Part C. Budget Plan** |
| C1. Breakdown of the Project Budget Plan *(Please insert additional rows if necessary)* |
| Item*(Please provide details and justification)*  | Proposed Budget(HK$) | Total(HK$) |
| Prototyping | Project Start-up |
| (a) Capital Cost (e.g. equipment, supplies, materials) |
| 1. |  |  |  |  |
| 2. |  |  |  |  |
| 3. |  |  |  |  |
| 4. |  |  |  |  |
| 5. |  |  |  |  |
|   | Sub-total (a) |  |  |  |
| (b) On-going Cost (e.g. subscriptions, repairs or other recurring costs) |
| 1. |  |  |  |  |
| 2. |  |  |  |  |
| 3. |  |  |  |  |
| 4. |  |  |  |  |
| 5. |  |  |  |  |
|  | Sub-total (b) |  |  |  |
| (c) Other Costs (e.g. dismantling / removal of equipment after the end of the Project) |
| 1. |  |  |  |  |
| 2. |  |  |  |  |
| 3. |  |  |  |  |
| 4. |  |  |  |  |
| 5. |  |  |  |  |
|  | Sub-total (c) |  |  |  |
| (d) Contingency (subject to a ceiling at 10% of the sum of items under (a), (b) and (c)) |
|  | (d) |  |  |  |
| **Total Project Expenditure****(a)+(b)+(c)+(d)** |  |  |  |
| C2. Non-budget Resources  |
| *(Please include any resources needed that are outside the scope of the budget, e.g. technical expertise from university professional staff)* |

|  |
| --- |
| **Part D. Declaration** |
| I declare that * I have read and understand the [Application Guidelines](https://www.srsdo.cuhk.edu.hk/images/documents/application-guidelines-2020-21.pdf);
* the statements made and information given in this application are, to the best of my and my team members’ knowledge, true and correct;
* the application form and the project proposal do not and will not infringe upon the Intellectual Property Rights of any person; and
* the Project Team has not applied for funding for the proposed project under any other funding scheme.

I and my project members hereby authorize the University to use any materials, including photographs and videos, generated in the course of this project for its own publicity purposes, and we understand that no royalty shall be payable to us therefrom. Signature of Project Team Leader: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |