

香港唐氏綜合症協會

The Hong Kong Down Syndrome Association

# Aligning IT with HKDSA's Goals

## Challenges & Opportunities

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香港唐氏綜合症協會

The Hong Kong Down Syndrome Association

# Together **WE** Build a **LOVE & INTEGRATED** Society



# Our Mission

- To improve the quality of life for persons with Down Syndrome or other intellectual disabilities, as well as for their families.
- To enable people with Down Syndrome to develop their potentials in every aspect of life, as well as to meet their vocational training and employment needs.



# Our Goals

- 1) To **improve public perception** towards individuals with Down Syndrome.
- 2) To introduce and promote the Association's messages to the public on behalf of individuals with Down Syndrome, as well as their family members.
- 3) To **identify the needs of individuals** with Down Syndrome and other disabilities as well as that of their family members, and seek ways to satisfy such needs.
- 4) To **provide information resources and adequate support** to individuals with Down Syndrome and other disabilities, and recognize parents as the key guardians of their children.
- 5) To **create an amiable atmosphere** so that individuals with Down Syndrome and other disabilities, their family members and professionals can forge a dynamic partnership in a respectable environment.
- 6) To **submit comments and suggestions to relevant authorities and government bodies** with the aim of improving services for people with Down Syndrome and other disabilities, as well as their family members.

# Our Services

## • **Integrated Family Support Services**

### Bradbury Parents Resource Centre

- Offers opportunities to **give support, help each other, and exchanges amongst families of people with disabilities.**
- **Assists parents in coping with difficulties in child care** through diversified services and community resources.



# Our Services

## • **Integrated Family Support Services**

### Bradbury Parents Resource Centre

- To enhance the mental diversification of the members through various activities and games



# Our Services

## • **Integrated Family Support Services**

### The SHARE Project

- The networks are set up by the members to keep in contact with parents from different areas and establish supporting relationships.
- Provides parents with opportunities to **communicate and gain parenting skills, and give each other emotional support or practical help.**
- **Unifies the families to advocate the rights of their children.**



# Our Services

## • **Integrated Family Support Services**

### Support Service for newborn & preschool children with DS : **SweetieLand**

- To provide families who are in need, with appropriate counseling and referral services
- To offer help and advice for new parents or people in pregnancy.
- The “Sweetieland” Project provides service for **newborn to 6 yo kids** with Down Syndrome and their families, offering trainings including muscle, cognitive, language and social skills learning.





# Our Services

## • **Integrated Family Support Services**

### DS Centre

- DS Center is dedicated to serving specifically people with Down Syndrome.
- This allows the provision of services focusing on the special needs unique to people with Down Syndrome.
- Aims at helping people with Down Syndrome to **unleash their innate talents**, and to **nurture their self-reliance**, and encourage them to be **“motivated”, “independent”, and “decisive”**.



# Our Services

- **Integrated Family Support Services**

## DS Centre



- **Sport and Art Related Classes / Programmes**



# Our Services

## • **Integrated Family Support Services**

Centre for Active Ageing & Community Inclusion for adults with DS/ID



- This project is designed for people aged 18 or above with Down Syndrome and intellectual disabilities.
- The main purpose
  - To equip them with skills and confidence through variety of programs and training, prepare them for their active adulthood and ageing.
  - Gather community volunteers to be their mentor and provide them with support and extend their social network
  - To encourage them to participate in sports regularly and integrate into community life happily.

# Our Services

## • Integrated Vocational Rehabilitations Services

### Tiptop Training Centre

- Offers one-stop **employment and training services** including workshop, supported employment, on-the-job training and follow-up work for open employment, for the people with disabilities.



- Provides other supplementary services such as group training, parents work and recreational activities so as to achieve the objective of “whole person development”.

# Our Services

- **Integrated Vocational Rehabilitations Services**

## **Employment Services Centre**

The Centre makes contributions to society by unlocking the potential of the people with disabilities in their work, **enhancing their competitiveness in employment and social adaptability** through systematic and constant training, counseling and follow-up work.



# Our Services

- **Integrated Vocational Rehabilitations Services**

## **The Down's Kwan Ngai Service Team**

“From April 2013 onwards, the Down's Car Beauty Team and the Kwan Ngai Cleaning Service were combined and renamed as “The Down's Kwan Ngai Service Team”, which comprised people with Down syndrome and other disabilities. With the restructuring, service capacity of the team for **cleaning services (including public facilities, office, domestic household & car), packaging and bulk-mail processing** was substantially enhanced.”



# HKDSA's IT Setup

- Around **100** desktop and notebook computers for operations and training
- Network Attached Storage (**NAS**) as file servers
- Alfresco Organization Document Automation System (**ODAS**) used by designated colleagues.
- Event Management System (**EMS**) which also records members information e.g. family profile, health history, activities etc.
- **Office 365** email and OA platform
- HKDSA **website** is designed and hosted externally; while its content is managed by fundraising & PR teams along with IT.
- Migration to **Microsoft OneDrive (Office 365 on Cloud)** planned
- Revamp **EMS by MS Azure on Cloud**
- Develop a proper **HR System (HRS)** with MS Azure on Cloud

# IT Alignment

IT must be designed, built, operated and managed to serve:

- Members and Their Families
- Volunteers and Staff Members
- Partners and Sponsors
- SW Industry and Communities

## **Challenges**

- Multiple locations, including offsite work teams
- Relatively low IT savviness and skills
- Difficulties in getting IT funding
- Outdated IT infrastructure and systems
- IT team size = 1 (& relatively junior) : Single Point of Dependency



# IT Alignment

## Opportunities

- Establish IT Governance – IT Committee
- Enhance IT Awareness – Talks for Exco & Mgmt Team
- Build IT Competence – Collaboration with HKCSS/ITRC, other SW entities, service providers, solution vendors etc.
- Streamline IT management – reporting line, dual control, procurement authority etc., incl. ethical training
- Solicit adequate IT funding – ITB/OGCIO, SWDF, HKJC etc.
- Data / cyber security – enhancement / enforcement
- Internet / mobile platforms for members & others
- Specific APPs for targeted users – aged, new-born, families
- IT-enabled life-long care & development

# Smart and Fit DS Kids (至Fit至叻唐寶寶)



The Hong Kong  
Down Syndrome Association  
香港唐氏綜合症協會

X

uHealth Limited

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Funded by OGCIO/HKSAR

# 應用程式概述 (App Overview)



## 設計目的 Objectives :

- 鼓勵唐氏綜合症兒童透過小遊戲持續進行大小肌肉訓練；
- 學習各種動物詞彙，增加對大自然生態、保育的認識；
- 鼓勵父母記錄其子女的生長及健康發展；
- 提高公眾人士對唐氏綜合症人士的認識及關注

- To encourage DS Kids to strengthen the fine motor and gross moter skills through interesting games.
- To Learn animals' vocabularies as well as increasing awareness of environmental protection
- To encourage parents to record the growth and health development of their children.
- To increase public awareness of people with DS

# 應用程式概述 (App Overview)



## 程式簡介 App Introduction

- 這是一個特別為唐氏綜合症朋友和家長們/照顧者/支持者而設
  - 包含兩個大、小肌肉遊戲「至叻天地」、「至FIT天地」；
  - 另外，設有健康資訊-「我的健康卡」及
  - 故事分享「唐寶寶故事」等功能。
- 
- This mobile app is specially designed for people with DS and their parents/carers/supporters.
  - The application includes two games namely 'Smartness World' and 'Fitness World games' to strengthen the fine motor and gross motor skills
  - Also, 'My Health Record' and DS Stories' is included

# 應用程式功能一覽表 (List of App Functions)

## 功能Function 1：至叻天地 Smartness World

- 透過點擊、劃線及對齊等小遊戲，加強手眼協調、手指靈活度及手腕等小肌肉鍛鍊。
- 以海洋「海洋世界」、天空「天空之城」及陸地「森林樂園」作背景和關卡，配上種類繁多的動物，使遊戲有較大變化空間。
- 每關均設低、中、高三個難度
- 遊戲成績可分享至社交網絡Facebook



- Come and play the games of clicking, lineation and alignment to strengthen the eye-hand coordination, finger and wrist movement and other fine motor skills.
- Three themes include : Ocean Depth, Jungle Paradise and Blue Sky
- Three levels of each theme are set
- Game results can be shared to Facebook



## 應用程式功能一覽表 (List of App Functions)

### 功能Function 2：至FIT天地 Fitness World

- 遊戲以「打鼓」、「射籃球」、「划艇」、「舞獅」及「跳繩」為主題，透過模彷以上各項動作，以鍛鍊大肌肉。遊戲加入了動畫、音效、聲效等功能，以增加趣味性。

- 遊戲成績可分享至社交網絡Facebook



- Come and play Drum Master, Basketball Shooting, Rowing Athlete, Lion Dancing and Rope Jumping to strengthen your muscle and gross motor skills. The games are interesting with music, animation and special effect.

- Games Result can be shared to Facebook



## 應用程式功能一覽表 (List of App Functions)

### 功能Function 3：我的健康卡 My Health Record

使用此方便又簡單的程式去記錄唐寶寶的成長和健康檢查，包括：

- 「成長紀錄功能」- 輸入出生日期、身高及體重，了解寶寶成長狀況。
- 「身體檢查通知」- 將身體檢查事項加到手機月曆，以電話的響鬧功能提醒去做身體檢查。
- 「服務資訊」- 唐氏綜合症相關的復康服務及資訊。

**We provide platform to record growth and health check of your DS kids. You can :**

- Input the date of birth, height and weight for growth record**
- Record down the health check schedule or appointment. Alert can be set to remind you.**
- Provide information on health and community resources.**



## 應用程式功能一覽表 (List of App Functions)



### 功能Function 4：唐寶寶故事 DS Stories

- 分享唐寶寶的故事，給予支持和發揮互助互愛精神。
- 用戶可將故事分享至社交網絡Facebook
- We share stories of our friends with Down Syndrome. Let us give them encouragement and support
- We can share also DS Stories to Facebook



# 手機應用平台Application Platforms

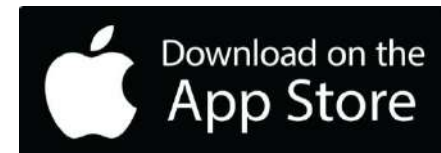
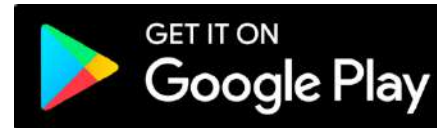
## 手機應用平台Application Platforms

(a)Android (version 4.0.3或以上)

(b)iOS (version 7.0或以上)

3 種語言支援languages support

- 繁體中文 Traditional Chinese
- 简体中文 Simplified Chinese
- English





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