SINGAPORE
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**ANNEX B**

## data.gov.sg

data.gov.sg is the first stop portal to discover publicly-available government data, where people can access more than 5000 publicly-available datasets from more than 50 public agencies, tap into selected datasets to create applications or conduct research, and look for interesting applications developed using government data.

data.gov.sg has the following features:

- Data Catalogue for the public to search for and download government data

- Applications Showcase featuring applications developed by students, start-ups and public agencies using government data

- Resource page to support the efforts of application developers



*Image 1: Landing Page of data.gov.sg*

*Image 2: Data Catalog*



*Image 3: Application Showcase*

**Benefits**

**Making it easier to discover government data**: Today, while many public agencies are already sharing publicly available data and statistics on their websites and publications it is not always easy for the public and researchers to locate them. data.gov.sg seeks to provide convenient access to these data through an easy-to-use Data Catalogue.

**Catalysing applications development**: Also, most of the government data published are currently in non-machine-readable formats. data.gov.sg seeks to make more government data available in machine-readable formats over time so that application developers can use them to develop innovative applications and services. Developers can also list their applications at the data.gov.sg Applications Showcase for sharing with a wider audience. (See Appendix A for description of some of the applications that will be featured in the Applications Showcase)

**Creating Value through Government Data**

As part of the data.gov.sg initiative, IDA worked with Mobile Alliance of Singapore to incorporate the use of government data in Mobile Alliance's AppVenture Challenge, a programme that featured workshops and a competition on mobile application development. Start-ups and students from Nanyang Polytechnic, Ngee Ann Polytechnic and Singapore Polytechnic participated in this programme and their efforts to develop applications using government data are showcased in data.gov.sg. Budding application developers can look forward to more of such competitions and workshops over the next few months.

Mr Lai Poh Hing, Director of School of Information Technology at Nanyang Polytechnic welcomes this initiative*:*

"*The Data.gov.sg initiative will provide software developers with a convenient channel and increased accessibility to non-sensitive government data. It has opened up a whole new window of opportunities for software and mobile applications that need integration with timely data. With this consolidated platform, it enables our staff and students to create useful and innovative IT solutions that will benefit the general public and the industry.*"

(See Appendix B for more thoughts on the Data.gov.sg initiative).

Some examples of data that can be used to create applications are as follows:

- Weather Data, such as NEA's weather updates

- Geospatial Data on the location of amenities such as the location of Recycling Bins and Hawker Centres, Kindergartens and Childcare Centres from agencies like NEA and MCYS.

- Real-time Traffic Data, such as LTA's traffic camera updates.

These data can be found on our Data Catalogue and are either available for direct download from Data.gov.sg or by a request from agencies.

**For media clarification, please contact:**

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**Appendix A**

## Mobile applications developed by start-ups and students

Parks "Live" @ SG (Augmented Reality Edition)

Developed by students of Nanyang Polytechnic with data from NParks, Parks "Live" improves the user experience for visitors to Pasir Ris Park. The application helps park visitors to find the location and direction to all park attractions and amenities such as restrooms, shelters and barbecue pits. The application also has an augmented reality function, which gives users exact directions and distances to attractions, amenities and facilities within the park.

*The application is the first prize winner of the AppVenture Challenge 2011 (Individual / Student category).*

*For more information on Parks "Live" @SG, please contact:*

Contact Persons from Nanyang Polytechnic:
Mr Melvyn Suan, Email: Melvyn_Suan@nyp.gov.sg, DID: 6550 1685
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ShowNearby

ShowNearby is a mapping application that combines data from the government and private data sources. Some of the government data used by the application are from the Ministry of Community, Youth and Sports, Majlis Ugama Islam Singapura, National Library Board, National Heritage Board and Ministry Of Education. The application provides users with points-of-interest information, telling them the nearest amenities and places of interest from their current location.

*The application is the first prize winner of the AppVenture Challenge 2011 (Company category).*

SG Parking

SG Parking is a mobile application created using Land Transport Authority data to allow users to find parking rates in specific carparks in Central Singapore. It allows fast and quick searching by address, building or area name and allows users access to real-time parking availability in Orchard, Marina Centre and Harbour Front regions.

*The application is the second prize winner of the AppVenture Challenge 2011 (Individual / Student category).*

### e-Oasis

e-Oasis is a web-based application that creates a borderless learning environment where educators, students and public can contribute resources or provide solutions to a particular subject matter. Information of local institutions such as courses, admission cut-off points and schools' strengths is integrated with OneMap for easy viewing.

### CensusViz

CensusViz is a web-based application that allows users to visualize and analyse the changing patterns and trends of population structures. Developed by the students of Singapore Management University, this application uses Population census data and represents the information in interactive bubble plots.

**Appendix B**

## Feedback on data.gov.sg from Polytechnics

*"The data.gov.sg project will spur the development of more useful and meaningful applications leveraging on the government datasets. This will also provide greater business opportunities for smaller home-grown developers and budding technopreneurs to be able to develop innovative government applications for the government agencies that can be brought to the mass of the local community, without worry of intellectual property infringement. If the project takes off well, this will lead to new avenues of real-time government information dissemination as well as business opportunities for home-grown developers as well as better quality applications for the community consumers."*

**Mr Ng Poh Oon**
**Technology Development Manager**
**Head, Mobile Technology & Application**
**School of InfoComm Technology**
**Ngee Ann Polytechnic**
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*"In the absence of data, even the most innovative idea will just be stuck at the prototyping phase, without the real content that powers the applications. The launch of data.gov.sg changes all that now, enabling easy access to government data, and allowing the most creative minds to innovate and produce applications that will benefit the general public.  As an example, the student project "E-Oasis" makes use of the available information of local schools to build an application to locate on one map and find out summarized information of nearby schools. With data.gov.sg, our students now can build more realistic applications, instead of simple prototypes that use small sample data sets."*

**Ms Georgina Phua**
**Director**
**School of Digital Media and Infocomm Technology**
**Singapore Polytechnic**

**Contact Person from Singapore Polytechnic:**
**Mr Low Jin Kiat, Email:  jklow@sp.edu.sg**

*"Data.gov.sg provides us an avenue to retrieve readily available government data for our project. With easy access to data, instead of spending time searching and compiling relevant information on the web, we can now focus on the main task at hand: To design innovative, useful applications for our users!"*

**Mr Tiong Jia Ming**
**Student**
**School of Digital Media and Infocomm Technology**
**Singapore Polytechnic**

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*"The Data.gov.sg initiative will provide software developers with a convenient channel and increased accessibility to non-sensitive government data. It has opened up a whole new window of opportunities for software and mobile applications that need integration with timely data. With this consolidated platform, it enables our staff and students to create useful and innovative IT solutions that will benefit the general public and the industry."*

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