IoT Acceleration Lab (Advance Project Acceleration WG)

IoT Support Committee (6th Meeting)

Agenda

Date & Time:	March, 201	18 (by en	nail)			
Proceedings:	Revision of	of the Advanced Project Acceleration				
	Working	Group	(NexGen	IoT	Acceleration	Lab)
	Memoran	dum				

[Handouts]

 Material #1: Advance Project Acceleration WG (IoT Acceleration Lab) Memorandum (The Comparative Table of the Revised Version and the Prior Version)
 Material #2: Activity Report and Future Action Plans of IoT Acceleration Lab

Reference Material #1: Activity Report of IoT Acceleration Lab Reference Material #2: 6th IoT Lab Selection Lists of projects to be supported

Advance Project Acceleration Working Group (IoT Acceleration Lab) Memorandum The Comparative Table of the Revised Version and the Prior Version

New (Revised)	Prior	Note
(Name) Article 1. The name of this consortium shall be "IoT Acceleration Lab", hereinafter referred to as "Lab".	(Name) Article 1. The name of this consortium shall be "IoT Acceleration lab", hereinafter referred to as "Lab".	(Unchanged)
(Purpose) Article 2. Based on the fact that the industrial and social structure is undergoing major transformation around the world in every field due to the development of technologies such as IoT, Big data (BD), Artificial Intelligence (AI), the purpose of this Lab is to challenge changes in the new era together with industry, academia and government through activities promoting the creation of new business models utilizing IoT, etc	(Purpose) Article 2. Based on the fact that the industrial and social structure is in major transformation in globally in every field by the development of technologies such as IoT, Big data (BD), Artificial Intelligence (AI), the purpose of this Lab is to challenge the change of a new era together with industry, academia and government with activities such as promoting the creation of new business model utilizing IoT.	(Unchanged)
 (Business) Article 3. The Lab carries out the following efforts in order to achieve the purposes set force in the preceding paragraph, 1. <u>Promotion of interchanges, information sharing, and network formation, etc. in the region for the co-creation and collaboration of efforts related to IoT, BD, AI, etc.</u> 2. Business necessary to achieve the other objectives of the Lab. 	 (Business) Article 3. The Lab makes the following business in order to achieve the purposes set force in the preceding paragraph, 1. Promotion of matching and development of network among members to create various projects concerning IoT, BD, AI, etc. 2. Offering advises on various projects related to IoT, BD, AI, etc. and proposal of regulatory reform, etc. that is required to implement this project 	(Revised)

 Supporting procedures related to financial support and regulatory reform, in cooperation with private and public support agencies and government agencies on various projects related to IoT, BD, AI, etc. Business necessary to achieve the purpose of the Lab 	
<u>(Membership)</u> <u>Article 4. Membership shall be given to members of the IoT Acceleration</u> <u>Consortium who support the purpose and the business of the Lab.</u>	(Deleted)
<u>(Fee)</u> <u>Article 5. Membership fee of the Lab will follow Article 6 of the IoT</u> <u>Acceleration Consortium Memorandum.</u>	(Deleted)
 <u>(Chairperson)</u> <u>Article 6. The Lab shall have a Chairperson.</u> 2. <u>The Chairperson, on behalf of the Lab, shall recapitulate the business.</u> 3. <u>A member of IoT Support Committee whom appointed by the</u> 	(Deleted)
Chairperson, shall be acting on behalf of chairperson at the time of absence.	
<u>Article 7. The term of the chairperson shall be two years in principle.</u> <u>However, it is possible to be reappointed.</u> (Remuneration)	(Deleted)
Article 8. The chairperson shall receive no remuneration. (IoT Support Committee)	(Deleted)

	Article 9. IoT Support Committee hereinafter referred to as "Committee ",	(Deleted)
	shall be established in the Lab.	
	2. The Committee is composed of a member who has knowledge of IoT	
	\cdot BD \cdot AI and is commissioned by the Chairperson.	
	3. The Committee gives advises on various projects related to IoT ·BD·	
	AI, etc. and coordinate recommendations of regulatory reform, etc.	
	which is required to implement the project.	
	4. <u>The Committee will be effective with attendance of majority members</u>	
	(including proxy and substitute).	
	5. The Committee proceedings shall be decided with a consent of	
	majority attendees (including proxy and substitute), in the case of a	
	tie, the chairperson shall decide.	
	6. The Committee shall be convened by the Chairperson or the	
	Committee member whom appointed by the Chairperson, and shall be	
	presided by the Chairperson or the Committee member whom	
	appointed by the Chairperson. If necessary, it can be held in writing	
	or by e-mail.	
	(Sub Committee)	
	Article 10. Based on the decision by the Committee, it is possible to	(Deleted)
	establish subcommittee.	
	(Attribution of intellectual property)	
	Article 11. Intellectual properties related to various projects related to IoT,	(Deleted)
	BD, AI, etc. which the Lab has made the adjustment and matching with	
	support agencies, belong to the enterprise responsible for the project.	
(Secretariat)	(Secretariat)	

Article 4. General affairs of the Lab are carried out by Information-	Article 12. General affairs of the Lab is performed by JIPDEC.	(Revised)
technology Promotion Agency, Japan (IPA).		
Article 5. In addition to the provisions of this Memorandum, other matters	Article 13. Others to the provisions of this memorandum, matters necessary	(Revised)
required for running the Lab shall be discussed and prescribed by the	for the operation of IoT Acceleration lab, shall be prescribed by the	
Ministry of Economy, Trade and Industry and Information-technology	Committee.	
Promotion Agency.		
Bylaw This memorandum shall come into force from October 30th,	Bylaw This memorandum shall come into force from October 30th,	(Revised)
2015.	2015.	
Bylaw This memorandum shall be revised from April 19, 2019.		





Activity Report and Future Action Plans of IoT Acceleration Lab

March 18, 2019

Commerce and Information Policy Bureau

Ministry of Economy, Trade and Industry

Our Past Activities

In order to create new IoT business models, and discover/develop IoT platform creators as a driving force for new growth, the IoT Acceleration Lab has implemented:

① Support for regulatory reform of narrow-focus short term projects, as well as business matching, and

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② Support of mid and long-term projects and regional/global collaboration

Future Action Policy

Mostly achieved goals such as creation of IoT business models during the starting-up period of IoT/AI/Big Data-related projects.

Examine future activities of IoT Acceleration Lab from two perspectives (global and local) for further spread of IoT/AI use and application.

Activities of IoT Acceleration Lab (after IoT Support Committee (5th Meeting))

IoT Acceleration Consortium

In response to the era of IoT/Big Data/AI, the "IoT Acceleration Consortium" was established as an organization led by the private sector to promote the use of IoT in industry, government, and academia beyond the framework of individual companies and industries. (Established on Friday, October 23, 2015) Makes proposals on technological development and practical use of IoT, solutions for policy issues, etc. Currently, there are more than 3,600 member companies. Dean of the Graduate School of Media and Governance. General Chairperson Chairperson* Jun Murai Professor, Faculty of Environment and Information Studies, Keio University Meeting Vice Chairperson Hiromichi Shinohara Chairman of the Board, Nippon Telegraph and Telephone Corporation (NTT) Vice Chairperson* Hiroaki Nakanishi Chairman of the Board, Executive Officer, Hitachi, Ltd. **Steering Committee** Steering Committee Members* Dean of the Graduate School of Media and Governance & Professor, Chairperson Jun Murai Faculty of Environment and Information Studies, Keio University Yutaka Ohashi Executive Vice President, Hideyuki Tokuda Chairman, National Institute of Information Mitsubishi Electric and Communications Technology Katsuhiko Kawazoe Sawako Nohara President & CEO, IPSe Marketing, Inc. Senior Vice President, NTT Noboru Koshitsuka Professor, University of Tokyo Izumi Hayashi Lawver Graduate School Mitsunobu Koshiba President, JSR Chikatomo Hodo Adviser, Accenture Toshiyuki Shiga CEO and Chairman of Innovation Yutaka Matsuo Associate Professor, University of Tokyo Network Corporation of Japan Graduate School Professor, University of Tokyo Hiroyuki Morikawa Professor, University of Tokyo Graduate Osamu Sudo Graduate School School Vice Chairman, NHK Hikaru Domoto **Technology Development** Advanced Model **Data Flow** International **IoT Security WG Businesses Promotion WG** WG **Promotion WG Cooperation WG** (Smart IoT Acceleration Forum) (IoT Acceleration Lab) Review of the overseas Creation of advanced model Development, demonstration Review of the tasks in Review of the development strategies businesses, improvement of and standardization of IoTguidelines on network the fields of high data for the fields over business environment related technologies such as connection of IoT flow needs, etc. through regulatory reform, which Japan has an networks equipment, etc. edge, etc. etc. Coope Coope -ration -ration

Ministry of Internal Affairs and Communications, Ministry of Economy, Trade and Industry, etc.

Activities of IoT Acceleration Lab (Outline)

 In order to create new IoT business models, and discover/develop IoT platform creators as a driving force for new growth, the IoT Acceleration Lab aims to provide short term project support and business matching, and also expand activities to mid and long-term project support and regional/global collaboration, linking them organically.



1 IoT Lab Selection

February 27, 2019 Public invitation for 6th IoT Project Selection Meeting

② IoT Lab Connection

September 18, 2018 7th matching event [Theme: smart life] <u>February 27, 2019</u> 8th matching event [Theme: Urban Development in 2030]

2-1 Big Data Analysis Contest

February 27, 2019 4th Award Ceremony (Subject:)

2-2 IoT Lab Global Connection

October 16, 2018 Business matching, etc. [ASEAN, EU, India, Israel and Russia] (jointly with CEATEC)

③ IoT Lab Demonstration

[FY 2018 Demonstration]

- February 2018 Started public invitation/demonstration for Tourism field
- March 2018 Started public invitation/demonstration for Smart home field
- May 2018 Started public invitation/demonstration for Distribution field (electronic tag, trade procedure) Start public invitation/demonstration for Infrastructure field (thermal power generation, hydroelectric power generation)

*Regarding Infrastructure field (water supply and sewerage), Industrial safety field, and Airplane field/Automated driving field, demonstration has been implemented since last fiscal year.

④ Local IoT Acceleration Labs

[Selection of regions] September 7, 2018 Announcement of 4th Selection results

* Underlined red letters represent events held

after 5th Support Committee Meeting.

Outline of IoT Lab Selection (Advanced IoT Project Selection Meeting)

- In order to discover and help commercialize advanced IoT projects, government agencies, private financial institutions and venture capitals, etc. work together and implement (1) Financial support, (2)
 <u>Continuous one-on-one Mentor support from mentors, and (3) Support for regulatory reform and standardization</u>. Up to now, <u>49 advanced projects have been selected and supported</u> through five Advanced IoT Project Selection Meetings.
- In the 6th Meeting, <u>5 advanced project was selected for finalists</u>. In addition, "Regional Revitalization Awards" and "Intrapreneur Awards" are set and awarded one project for each.
 - 1 Regional Revitalization Awards: projects contributing to resolving regional problems and the revitalization of regional economy
- ② Intrapreneur Awards: projects involving those who promote innovation by utilizing human resources, technologies, know-how, etc. hidden in existing organizations

★ Grand Prize★ Hinata Designs Inc.

- Product recommendation service using size and purchase data -

Construct a platform for the utilization of content based on size. For example, the product images of ECs such as **clothing and home appliances can be seen in real size on the AR**, allowing users to check compatibility of products with themselves or their rooms before purchasing products. We aim to provide services that recommend products that match user needs.



★Second Prize★ Novars Inc.

- Battery-operated IoT "Mabee" for facilitating IoT product development -

The dry battery type IoT "MaBee" was developed aiming for a world that makes use of IoT more. It realizes **remote control of products using batteries and visualization of the state of use of batteries in the cloud**. In the future, we will make use of patents for battery communication, and aim for a world that does not have to worry about battery running out even when IoT is overflowing



★ Regional Revitalization Award ★ NTT East Corporation

Agri-Innovation Lab @Yamanashi City - Reinvigoration of regional industry by implementing IoT society -

Launch a public-private partnership consisting of Yamanashi City, JA Fruit Yamanashi, Synaptech, and NTT East as the main members, install IoT sensors in the agricultural field in Yamanashi City, where agriculture is the main industry, in the aim to form an infrastructure for realizing "sustainable society" and "profitable agriculture".



★ Intrapreneur Award ★ SB Innoventure Corp.

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conect+project -

Developed the "conect+" app & cloud service that enables anyone who wants to start IoT to easily create IoT apps. Provide a service allowing planning developers who want to enrich the society with IoT to develop functional and beautiful IoT applications without programming and design skills.



6th Selection Finalists

Applicant	Name of the Project
★Grand Prize★ Hinata Designs Inc.	Product recommend service using size and purchase data
★Second Prize★ Novars Inc.	Dry battery IoT "MaBeee" for facilitating IoT product development
Z-Works Inc.	"Ganbaranai Kaigo" QoL maintenance and enhancement support system
Singular Perturbations	World's highest precision crime prediction system Crime Nabi : Aiming to be control tower of IoT terminals.
Hachi Tama Inc.	Cat toilet supporting early discovery of urinary diseases

Special Award Project

Applicant	Name of the Project
★Regional Revitalization Award★ NTT East Corporation	Measures for regional revitalization by "Agri Innovation Lab @Yamanashi City"
*Intrapreneur Award * SB Innoventure Corp.	conect+ project

IOT Lab Connection Matching Events for Promoting Corporate Collaboration (Solution Matching)

- The matching event for member companies, organizations and municipalities with seeds and needs is held as a place where enterprises aiming to create new business models meet with other enterprises with related business models, technologies/services, etc.
- Past thematic events include "Tourism" and "Manufacturing" (1st), "Healthcare (Medical Care & Health)/Sports" and "Logistics/Distribution/Infrastructure" (2nd), "Smart Home" and "Mobility" (3rd), "Fintech," "Education" and "Agriculture/Food" (4th), "Work Style Reform" and "Sharing Economy" (5th), and "Risk Management," "Entertainment" and "AI" (6th), and "Smart Life" (7th), leading to about 3,400 matching.
- The 8th event was developed from the theme of the 7th, and 441 matchings were set under the theme of "Urban **Development in 2030**," to discuss on the ideal way of smart life in "City," which is broad and involving a large number of people. In addition to the retail tech fields, where the AI and IoT are utilized, opinions were exchanged about the future life from the perspective of the sharing economy, etc.

Details of 8th Event

Date: Wednesday, February 27, 2019, 10:00-18:00 Venue: Tokyo (Bellesalle Shinjuku Grand) Co-hosts: IoT Acceleration Lab, METI, and NEDO Theme: Urban Development in 2030

1 Business Matching (1:1 Matching) Based on the needs and seeds submitted by companies, a list of matching companies was prepared prior to the event. 20-minite individual sessions were held on the day.

120 companies/organizations/ municipalities participated. **441** matching were carried out.

2 Presentation Matching (1:N Matching)



Popular matching companies, etc. made presentations on their seeds and needs.

8 companies made presentations.

Approx. 260 people participated.

[Presenter companies] Fashion Pocket Co., Ltd. MIKAWAY 21 Inc., Coconet Co., Ltd. Cocon Inc., Sumitomo Mitsui Auto Service Co., Ltd. INSIGHT LAB Inc., WOTA Corp. Babydoor Inc.

3 Booth Exhibition (1:N Matching)



Local IoT Acceleration Labs (9 regions) set up booths.

Meetings were immediately arranged with the companies/organizations who showed interest in them.

[Exhibitors]

Akita Horizontal Collaboration Lab, Yokohama City Lab, Sagamihara City Lab, Yamanashi Prefecture Lab, Ina City Lab, Fujieda City Lab, Kochi Prefecture Lab, Shimabara City Lab, Kitakyushu Citvi Lab

IOT Lab Connection Results of matching events for promoting corporate collaboration (solution matching)

No. of times	Date	Themes		No. of participating groups	(Average value o survey re No. of companies interacted per participant	f questionnaire esults) No. of companies up for future interactions
1st	January 28, 2016	Tourism, Manufacturing (Smart factory)	190	550	10.6	3.6
2nd	July 31, 2016	Healthcare (Medical care/Health)/Sports, Logistics/Distribution/ Infrastructure	183	518	6.8	3.4
3rd	October 4, 2016	Smart home/Mobility	135	454	6.8	3.0
4th	March 13, 2017	Fintech, Education, Agriculture (Food)	131	461	7.5	2.8
5th	July 25, 2017	Work style reform/Sharing economy	139	534	7.5	2.9
6th	March 6, 2018	Entertainment, Risk management, AI	173	573	7.9	3.1
7th	September 18, 2018	Smart life	108	352	7.2	2.9
8th	February 27, 2019	Urban Development in 2030	120	441	8.0	3.4
Total of 1st-8th		_	Approx. 1179	3883	7.8	3.1

IoT Lab Connection 4th Big Data Analysis Contest

- With the aim of competing on the accuracy of data analysis of the challenges/Big Data provided by the industrial world, etc., Algorithm development contest is held in an easy-to-join online style. By inviting public participation including students, the contest aims to discover/train excellent data scientists, matching them with data providers, etc.
- For the 4th contest themed on **infrastructure maintenance and railways**, JR East Railways provided data. Based on time series data of deformation amount of rails and information from equipment ledgers, etc., the "future deformation amount," which is useful for the maintenance planning, can be predicted.
- In <u>New Idea Category</u>, Participants set the own topics to analyze based on the theme of the railways, and <u>evaluated a</u> series of data analysis skills as a whole to conduct data collection, analysis, and explanation through infographics.
- In addition to the award ceremony at the IoT Acceleration Lab joint event, a friendly meeting was held on the same day as
 a place for information exchange and mingling with prize winners.

Hosted by: IoT Acceleration Lab, METI, New Energy and Industrial Technology Development Organization (NEDO) Supported by: Ministry of Education, Culture, Sports, Science and Technology, Ministry of Land, Infrastructure, Transport and Tourism, Inframentenance Kokumin Kaigi, Center for Artificial Intelligence Research, University of Tsukuba Cooperated by: East Japan Railway Company, NTT DOCOMO INC., Kyocera Corp., SAKURA Internet Inc., JR Souken Information Systems Co. Ltd., JR East Information Systems Company, Tableau Japan, Japan Railway Track Technology Consultants Co. Ltd., Panasonic Corporation, Hitachi Ltd., and Mitsubishi Electric Corporation Planning and operation: SIGNATE Inc. Na effort tiging retaining and Information Content in the semilipation of the semilipa

<u>No. of participants</u>: **192** (Projection Category: 163, Infographic Category: 29) <u>No. of applications</u>: **2,007** (multiple application allowed) The 4th contest dedicated website <u>https://signate.jp/competitions/136</u>

Projection Category

Predict deformation amount in prediction period (about 3 months) from deformation amount of rails in about one year.

Monitoring Device



列車への取付状態



Image of Prediction



New Idea Category

<u>Awarded work (Example)</u> : Except from "Analysis of trends of number of personal accidents in Kanto"



装置拡大写真

IoT Lab Global Connection

Business matching between overseas companies and Japanese companies

- To promote business collaboration between Japanese companies and overseas companies (start-ups) and global expansion, invite 40 startups from India, Israel, SEAN, EU, Russia, to carry out business matching with Japanese companies at CEATEC.
- Provide exhibition booths and pitching session opportunities to overseas startups inside the CEATEC venue.

1 Business Matching (1:1 Matching) A matching list of



A matching list of oversea/domestic companies based on their seeds/needs was prepared beforehand, **leading to 25minute individual matching.**

46 domestic companies/ organizations participated.247 matching organized.

③ Pitching Session



Briefing of out by specialists of business from various countries/regions.

Pitching by overseas start-ups to appeal own technologies

2 Exhibition Booth



40 overseas companies set up exhibition booths.

Tour by high-level guests of related ministries including Minister of METI Mr. Seko Date : Tuesday October 16 to Friday October 19, 2018

Place : Makuhari Messe (Hall 4) Special Theme Area IoT Acceleration Lab Business Matching venue

No. of participating companies: 40 overseas companies and 46 Japanese companies (Reference : Participated by 40 overseas companies and 58 Japanese companies last year)

Reference Material #2

IoT Acceleration Lab 6th Selection Meeting for Innovative IoT Projects IoT Lab Selection

List of Supported Projects/ Special Awards Winners

- Contents -

[Grand Prize]	
Hinata Designs Inc. < Product recommend service using size and purchase data >	1
[Second Prize]	
Novars Inc. <dry "mabeee"="" battery="" development="" facilitating="" for="" iot="" product=""></dry>	2
[Finalists]	
Z-Works Inc. <"Ganbaranai Kaigo" QoL maintenance and enhancement support system>	3
Singular Perturbations < World's highest precision crime prediction system Crime Nabi: Aim to be control tower of IoT terminals>	4
Hachi Tama Inc. < Cat toilet supporting early discovery of urinary diseases>	5
[Regional Revitalization Award]	
NTT East Corporation < Agri Innovation Lab @Yamanashi City - Revitalization of regional industry by implementing IoT society ->	6
[Intrapreneur Award]	

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SB Innoventure Corp. <conect+project>

Hinata Designs Inc.

- Product recommend service using size and purchase data -

Outline of Project

Construct a platform "Scale Post" for the utilization of content based on size. For example, the product images of ECs such as clothing and home appliances can be seen in real size on the AR, allowing users to check compatibility of products with themselves or their rooms before purchasing products. Based on this platform, we aim to accumulate physical information from purchased clothing (height and shoe size) and data on living environment (size of rooms and shelves) from furniture and home appliances, and provide a service that recommends product information in a timely manner according to the physical information and living environment of consumers.

Outline of Required Support

- Financial support : Seeking funds from participating support organization
- Mentoring support : Recommendations on data use, advise on overseas strategies, technical advise

Future Vision

We propose "lifestyles" by imaging rooms using room templates from animations, dramas, movies, etc., to realize "One to One Marketing" and create comfortable [space]. In addition to the above projects, we hope to use the platform based on size applied in "scale post" for tourism and educational purposes, as a "street archive" for viewing information, stories, and histories on lost regions using VR apps that resemble time-machine travel.



割け替えの書



Novars Inc.

- Dry battery IoT "MaBeee" for facilitating IoT product development -

Outline of Project

The dry battery type IoT "MaBeee" was developed aiming for a world that makes use of IoT more. It realizes remote control of products using batteries and visualization of the state of use of batteries in the cloud. It can also communicate with sensors, etc. in power line communication. As a result, IoT development has become easy. In the future, we will make use of patents for battery communication, incorporate communications into primary batteries, secondary batteries, coin batteries and industrial batteries, and apply to wireless charging, aiming for a world that does not have to worry about battery running out even when IoT is overflowing.

Outline of Required Support

- Financial support : Seeking funding from participating support organizations
- Seeking mentoring support
- Support for regulations/standardization, etc.
 Product recognition and technical certification labeling in Battery Association of Japan.
 Handling of medical equipment.

Future Vision

Every year, 54 billion batteries are shipped worldwide. We aim to transform all of these batteries into batteries that can communicate with each other and transform various battery-operated products into IoT devices and battery transformers. Furthermore, in a wireless charged world, we hope that the applications of these batteries will increase even more.



Z-Works Inc.

- "Ganbaranai Kaigo" QoL maintenance and enhancement support system -

Outline of Project

Z-Work's care support system aims to provide bedsore care by installing sensors under the mattress which can capture fine vibrations on the bed and analyzing the obtained data on body positions on the bed, large body movements (turning over, change of body posture by staff), small body movements (twist and twist movements) using AI. The system contributes to the improvement of the quality of nursing services and productivity by minimizing the workload and stress of staff by outsourcing the burden of staff having to constantly pay attention to minor changes in bedridden elderly persons, and by automatically detecting bedsore care work using sensors to store history of assessment data of bedsore management, and at the same time prevent pain and aggravation of bedsores.

Outline of Required Support

- Seeking financial support for system development and mass sensor production costs.
- Seeking mentoring support
- Consultations related to medical regulations

Future Vision

In the future, by introducing the system to the homes of elderly people, and by creating an environment where it is possible to monitor physical condition and life rhythm remotely, we aim to construct a regional comprehensive care medical care system by multi-professional cooperation such as visiting nursing, visiting care, remote medical care, etc.

+ Giz (PMH Works/025

Z-Works IoT Cloud

Singular Perturbations

- World's highest precision crime prediction system Crime Nabi: Aim to be control tower of IoT terminals -

Outline of Project

Using the world's most accurate crime prediction system "Crime Nabi" to predict when, where, and what crimes will occur, we hope to provide services that aid security activities by the police, etc. (e.g. patrol route optimization, anti-terrorism, patrol of ports and factories) and propose strategy formulation tools that can contribute to security measures and national defense and security more efficiently. We will develop our technologies in Japan and internationally as well contribute to the creation of innovation adapted to increasingly diversifying and globalizing crimes.

Outline of Required Support

- Mentoring support
- Provision of research data and deregulation
- Deregulation of bidding eligibility



Future Vision

Expect to work with drone companies, etc. to provide real-time optimum patrol routes based on data for efficient patrol by drones, as a fundamental technology leading Society 5.0.

Hachi Tama Inc.

- Cat toilet supporting early discovery of urinary diseases -

Outline of Project

The IoT cat toilet "toletta[®]" acquires data such as the weight and urine volume of cats and is able to identify which cat used the toilet by image recognition. The toilet enables to accumulate data of many cats as big data which has been difficult to acquire before. By linking this data with various data such as food, insurance and electronic medical records, higher added values can be provided. It also has an AI function which detects abnormal changes in the cat's conditions and sounds the alarm for such cats to encourage to visit to the hospital.

tolettaとは?

アータ収集

1.50

データ菌植

アプリ

データ表示 アータ構正

Outline of Required Support

- Seeking funding from participating support organizations.
- Seeking mentoring support

Future Vision

In the future, toletta[®] will detect changes in the physical conditions of cats and AI will recommend the best action for eliminating the asymmetry of information between owners and vets. In addition, we are partnering with leading Japanese and foreign companies to combine IoT and insurance services. Furthermore, we will develop businesses that maximize the potentials of the platform, such as the development of consumables like cat litter and toilet seats, and the joint development of services combining AI and pet food.

NTT East Corporation

Regional Revitalization Award

Agri Innovation Lab @Yamanashi City

- Revitalization of regional industry by implementing IoT society -

Outline of Project

A public-private partnership organization has been launched comprised of Yamanashi City, JA Fruit Yamanashi, Synaptech, and NTT East as the main members. The aim is to form an infrastructure for realizing "sustainable society" and "profitable agriculture" to support this by installing IoT sensors etc. in the fields in Yamanashi City, whose main industry is agriculture, "reduce or save labor", "simplify technology succession", and "realize uniform quality".

Appeal points to Regional Revitalization Award

Participated in Yamanashi Prefecture IoT Promotion Lab. This project is based on a public-private partnership whose members have their own fields of expertise, aiming to realize regional revitalization by discovering regional issues and solving them. Through the project, an IoT infrastructure centered on agriculture and disaster prevention in the target areas has been constructed, and the government has also been able to smoothly promote the creation of smart cities.



SB Innoventure Corp.

- conect+ project -

Outline of Project

Approved as a startup by Softbank Group's in-house entrepreneurship system "Softbank Innoventure", which promotes the excavation and development of in-house entrepreneurs. The program works with diverse companies to promote developments and projects that are speedy in a way that differs from that of a large company even though Softbank is a major company. Developed the "conect+" app & cloud service that enables anyone who wants to start IoT to easily create IoT apps. Provides a service allowing planning developers who want to enrich the society with IoT to develop functional and beautiful IoT applications without programming and design skills.

Appeal Points to Intrapreneur Award

Softbank Innoventure, Softbank Group's in-house entrepreneurship system implemented since 2011, invites a wide range of creative ideas and innovative ideas and new businesses from inside and outside the company, to promote the excavation and development of internal entrepreneurs. This conect+ project is a project that has passed this system and has been approved for commercialization (approval rate 0.2%).

