

Projects of ASEAN IVO 2019

No	Title of Proposed Project	Period	Project Leader	Project Members
1	Relay Station Network Based on Low-power Wide-area Network (LPWAN) Technologies for Disaster Management	2 years	Kanokvate Tungpimolrut NECTEC (THA)	UTB(BRN), MU(PHL), ASTI(PHL), NUOL (LAO), TCEI (LAO), UCSY(MMR), NICT(JPN), CMP(THA)
2	AgriBKChain: a blockchain-based network for agricultural traceability and product advertising	2 years	Dao Thanh Chung HUST (VNM)	UPM (MYS), UTB (BRN), NICT (JPN)
3	FarmTab: Precision Agriculture System using Internet of Things and Artificial Intelligence for Urban Farming	2 years	Chong Yung Wey USM (MYS)	UTAR(MYS), HUST(VNM), UNHAS(IDN), UB(IDN), Kyoto U(JPN)
4	Prevention of 4 Disasters and Their Single Recovery Networks based on Internet-of-Things with Airborne Capability (PATRIOT-41R-Net)	2 years	Khoirul Anwar Telkom U (IDN)	JAIST(JPN), HUST(VNM), UTM(MYS), AIT(THA),
5	GNSS and Ionospheric Data Products for Disaster Prevention and Aviation in Magnetic Low- Latitude Regions	2 years	Pornchai Supnithi KMITL (THA)	CMU(THA), CAAT(THA), NUOL(LAO), YTU(MMR), NICT(JPN)

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1	Event Analysis: Applications of computer vision and AI in smart tourism industry	2 years	Somnuk Phon-Amnuaisuk UTB(BRN)	UTB(BRN), NTU(SGP), NICT(JPN), NECTEC(THA), MUT(THA), NUOL (LAO), UCSY(MMR), MMU (MYS)
2	Cyber-Attack Detection and Information Security for Industry 4.0	3 years	Nguyen Linh Trung VNU-UET(VNM)	VNU-UET(VNM), NTU (SGP). UTS (AUS)
3	Scalable Distributed IoT Framework based on Mobile Robot Technology for High Performance Greenhouse Plants	2.5 years	Thu Ngo-Quynh HUST(VNM)	HUST(VNM), NES(JPN), NICT(JPN), CHAM(LAO)
4	Smart Aquaculture Quality Monitoring (AQM) System with Internet of Things (IoT)	2 years	Widad Ismail USM(MYS)	USM(MYS), UTM(MYS), MAMPU(MYS), Kyoto U(JPN), UNISSULA(IDN), UTP(MYS), RMUTSV(THA)
5	NAPC: Networked ASEAN Peat Swamp Forest Communities	2 years	Borhanuddin Mohd Ali UPM(MYS)	UPM(MYS), PTIT(VNM), NICT(JPN), MIMOS(MYS), Bogor Agricultural University (IDN), UTB(BRN), JIRCAS(JPN)
6	A mesh-topological, low-power wireless network platform for a smart watering system	3 years	Udom Lewlompaisarl NECTEC(THA)	NECTEC(THA), UCSY(MMR), DAA(BRN), UTB(BRN), UTM(MYS), NICT(JPN)

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1	A Hybrid Security Framework for IoT Networks	3 years	Hoang Dang Hai PTIT (VNM)	NECTEC(THA), MIMOS(MYS), NICT(JPN), HUST(VNM), PTIT (VNM), NUCE(VNM)
2	Smart Lighting for Internet of Things and Smart Homes	3 years	Pham Tien Dat NICT (JPN)	NICT(JPN), VAST(VNM), HCMUT(VNM), LIPI(IDN), PTIT(VNM), Waseda U(JPN)
3	IoT System for Public Health and Safety Monitoring with Ubiquitous Location Tracking	3 years	Chieng Heng Tze MIMOS (MYS)	MIMOS(MYS), NICT(JPN), HUST(VNM), UBD(BRN), Gifu U(JPN)
4	Evapotranspiration (ET)-Based Irrigation System with Internet of Things (IoT) Integration for Smart Farming Application Addressing the ASEAN Impending Water Crisis	3 years	Jennifer Dela Cruz MIT (PHL)	MIT(PHL), CLSU(PHL), UTM(MYS), UCSY(MMR), NICT(JPN)
5	Study and evaluation of heterogeneous network for smart community and smart city applications	2.5 years	Kultida Rojviboonchai CU (THA)	CU(THA), MIMOS(MYS), UTAR(MYS), NICT(JPN)

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Projects of ASEAN IVO 2016

No	Title of Proposed Project	Period	Project Leader	Project Members
1	Open Collaboration for Developing and Using Asian Language Treebank	3 years	Masao Utiyama NICT (JPN)	BPPT(IDN), I2R(SGP), IOIT(VNM), NIPTICT(KHM), UCSY(MMR), NICT(JPN)
2	ASEAN Language Speech Translation thru' U-STAR	3 years	Li Haizhou I2R (SGP)	NIPTICT(KHM), BPPT(IDN), UTM(MYS), UCSY(MMR), I2R(SGP), NECTEC(THA), HUST(VNM), IOIT(VNM)
3	Mobile IoT	2 years	Sumei Sun I2R(SGP)	I2R(SGP), MIMOS(MYS), HUST(VNM), NICT(JPN)
4	ASEAN forum for Software Defined System on Disaster Mitigation and Smart Cities	3 years	ONG Hong Hoe MIMOS(MYS)	SINGAREN(SGP), MIMOS(MYS), NECTEC(THA), USCY(MMR), HUST(VNM), VNU-ITI(VNM), MIT(PHL), ASTI(PHL), AIST(JPN), NICT(JPN)
5	IoT Open Innovation Platform	3 years	Boon Choong Foo MIMOS (MYS)	MIMOS(MYS), NICT(JPN), I2R(SGP), HUST(VNM), VNU(VNM)
6	Cambodia NerveNet Field Testing (Operation Management and Content Development to Promote Connectedness of Cambodia Rural Area)	4 years	Van Khema NIPTICT(KHM)	NIPTICT(KHM), NICT(JPN), UCSY(MMR)
7	TV White Space (TVWS) Experimental for Application in Remote Area	2 years	Hafizal Mohamad MIMOS(MYS)	MIMOS(MYS), USC(PHL), NICT(JPN), UKM(MYS)
8	Research and development on short distance communication and imaging for applications in ASEAN region	3 years	Vo Nguyen Quoc Bao PTIT(VNM)	LIPI(IDN), TI(IDN), CU(THA), PTIT(VNM), HCMC-DIC(VNM), UTM(MYS), TMRD(MYS), NICT(JPN), CMU(THA), RFD(VNM), SUT(THA),