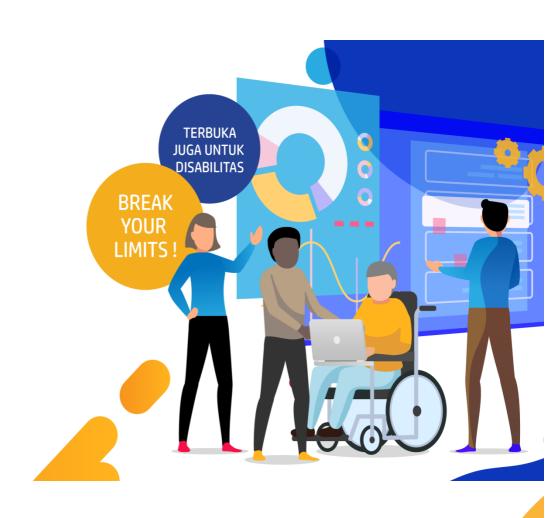


SILABUS ARTIFICIAL INTELLIGENCE



SILABUS ARTIFICIAL INTELLIGENCE DIGITAL TALENT SCHOLARSHIP 2019

INFORMASI UMUM	
Tema Pelatihan	Artificial Intelligence with Alexa and DeepLens
Mitra Penyelenggara	Amazon Web Services
Target Peserta	1000 Peserta
Durasi	1 (satu) sampai 3 (tiga) bulan di antara Bulan Agustus
	sampai November 2019
Tools	AWS Digital Learning and AWS Educate
Sertifikasi	AWS Educate digital badge on Alexa and
	Deeplens
	Cloud Practitioner Certification
Persyaratan Peserta	Persyaratan Umum
	Warga Negara Indonesia
	Lolos seleksi administrasi & tes substansi
	Persyaratan Khusus
	1 Crayaratan Miasas
	AWS Educate Cloud Computing 101
Persyaratan Sarana yang	Standard Terminal Emulator/SSH Client
Harus Dimiliki Peserta	(contoh: PuTTY or MobaXterm)
	Text editor. A professional text editor (contoh:
	NotePad++, Sublime Text, Atom)

DESKRIPSI

Artificial Intelligence with Alexa and DeepLens

Pelatihan AI with Alexa & DeepLens mencakup keterampilan dalam menggunakan Alexa Skills Kit & New Machine Learning models pada AWS DeepLens, termasuk memahami cara membuat Video dan Voice User Interface.

TUJUAN PELATIHAN

Setelah mengikuti pelatihan ini, peserta diharapkan mampu untuk:

- 1. Membangun S3 bucket, Lambda
- 2. Menguasai Alexa Skills Set
- 3. Memahami Alexa Skills Kit; Mengidentifikasi kasus-kasus dalam penggunaan Alexa.
- 4. Terampil mengelola AWS DeepLens

RENCANA PELATIHAN: Artificial Intelligence with Alexa and DeepLens		
Sesi	Topik Pelatihan Artificial Intelligence with Alexa	
Sesi 1	Introduction: AWS Educate and program	
	Bagaimana menemukan self-service resources pada cloud computing 101, ML, Alexa, Deeplens.	
	Pendaftaran AWS Educate	
sesi 2	Introducing AWS Foundational Services	
	Apa yang ada di Amazon Web Services (AWS)? Infrastruktur AWS global	
	Infrastruktur AWS global Sokilas tentang AWS Management Console	
sesi 3	Sekilas tentang AWS Management Console Introducing AWS Foundational Services	
5651 3	introducing Avvo i odnational services	
	Menggunakan Simple Storage Services (S3)	
	Demo S3 bucket creation dan bucket policy	
sesi 4	Introducing AWS Foundational Services	
	Demo AWS Console dan IAM	
	Amazon Lambda	
	Menggunakan layanan database Amazon DynamoDB, sebuah	
	NoSQL Managed Service	
sesi 5	Introduction to advanced AWS Services	
	Pendahuluan Amazon Internet of Things (IOT)	
	Pendahuluan Amazon Artificial Intelligence (AI) dan Deep	
	Learning	
	Life-like Text to Speech Service – Amazon Polly	
	Speech to Text Natural Language Understanding – Amazon Lex	
	Pengantar Amazon Echo - Alexa	
sesi 6	Lab session	
	Belajar menggunakan Amazon Internet of Things (IOT)	
	Life-like Text to Speech Service – Amazon Polly	
	Text Natural Language - Amazon Lex	
sesi 7	Introduction to Amazon Echo – Alexa	
	Amazon AI, deep learning & respective vision, speech, language	
	& chat services (video on Amazon GO)	
	Share trends from GUI to VUI	
sesi 8	Cloud-based voice service – Alexa	
	Amazon Alexa dan Amazon Echo (video on Alexa for Ford)	
	Alexa Skills dan Alexa Skill Kit	
	Ideation Brainstorming	
	Apa yang dapat dibangun dengan Alexa	

	Alexa Skills design process (pizza suggestion skills)	
	 Design principles dan tips untuk membangun Alexa skills 	
sesi 9	Project: Building Skills for Amazon Alexa	
SESI 9	Project: Building Skills for Amazon Alexa	
	Bagaimana kerja layanan Amazon Alexa	
	Alexa Skill Kit	
	Intents and utterances	
	Opsional: slots, custom slots, long time memory, personalisasi,	
	data dan daftar (penjelasan pada Lambda, S3, DynamoDB)	
	Hands-on lab untuk membangun sample intent	
Sesi	Topik Pelatihan Deeplens	
Sesi 1	Introduction to AWS DeepLens and Prerequisite Knowledge	
	Apa itu DeepLens?	
	·	
	Apa yang saya perlu tahu? Dean and Dranguisite (Apayladge (A))(S. Educate)	
	DeepLens Prerequisite Knowledge (AWS Educate)	
sesi 2	Getting Started	
	AWS DeepLens Projects	
	Bekerja menggunakan SageMaker	
	Hands-on lab: Getting Started (AWS Educate)	
sesi 3	Managing your AWS DeepLens Device	
	Mengamankan perangkat AWS DeepLens	
	Update perangkat AWS DeepLens	
	Deregister Perangkat AWS DeepLens	
	Logging dan Troubleshooting	
	AWS DeepLens – Library dan History	
	Hands-on lab: Mengelola Perangkat (AWS Educate)	
	riando orrido. Mongoloia i Grangitat (71000 Edudate)	



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