

# Sosialisasi Program Bangkit

# Program Bangkit (1)

- Program Bangkit: Bangun Kualitas Manusia Indonesia
- Program Ditjen Dikti, Google, Gojek, Tokopedia, Traveloka
- Informasi dan pendaftaran: [https://grow.google/intl/id\\_id/bangkit/](https://grow.google/intl/id_id/bangkit/)

# Program Bangkit (2)

- Oleh Ditjen Dikti diselaraskan dengan program Kampus Merdeka (kegiatan belajar mahasiswa)
  - Target: 3000 mahasiswa
  - Selektif (assessment test: math & programming, personality & mindset traits)
    - Prereq: algebra, linear algebra, calculus, statistics, OOP, IP Networking stacks, databases, SQL.
- Tiga tracks/learning paths (memilih salah satu):
  - Hard skills + Soft Skills, termasuk capstone project
  - Machine Learning, Mobile Development, Cloud Computing
  - Setiap track ~ 900 jam (Feb – Jun) = ~ 20 sks (1 sks = 170 mins. x 16 minggu)
- Application s.d. 8 Januari 2021 (min. semester 6)

Machine Learning			Android Learning			Google Cloud Platform		
Course Name	TOTAL HOURS	INSTRUCTOR LED COMPONENT	Course Name	Hours	INSTRUCTOR LED COMPONENT	Course Name	Hours	INSTRUCTOR LED COMPONENT
APML Track 02: What is Machine Learning?	5	2	Programming with Java (optional)	16	2	Industry Connect - Authorized Training Partners Sessions	16	
HCC: Problem Framing	3		Programming with Kotlin	46	2	Web Development Fundamentals by Hackr.io / Dicoding	57	2
Google IT Automation with Python Professional Certificate	128	6	Learn SQL Programming Principles	13	2	Google IT Automation with Python Professional Certification	128	6
Mathematics for Machine Learning: Linear Algebra	19		Creating Android Apps For Beginners	43	2	Google Cloud Computing Foundations	40	4
APML Track 02: Data Analysis & Manipulation (*)	15	6	Learn Android Applications Fundamentals	150	18	Quest Badge - Google Cloud Computing Foundations	5	
HCC: Data Prep	4		Learn Android Jetpack Pro	76	6	Skill Badge - Google Cloud Computing Foundations	18	
APML Track 02: Regression (*)	30	8	Become Android Developer Expert	86	7	Architecting with Google Compute Engine specializations	40	6
APML Track 04: Classification (*)	40	8	AAD Preparation	18	2	Skill Badge - Infrastructure Mode in Location	14.25	
Deep Learning AI TensorFlow Developer Professional Certificate program	80		Associate Android Certification	8		Quest Badge	18.75	
Tensorflow: Data and Deployment Specialization	64		Capstone Project	200		Skill Badge - Deploy to Kubernetes in Google Cloud (including Kubernetes Engine, Quik Start)	5.5	
Structuring Machine Learning Projects Course	5					Onboarding Training	3	
Tensorflow Certification	5					From Data to Insights with Google Cloud Platform	40	6
Capstone Project	200					Skill Badge - Smart analytics and data management	13	
Tensorflow Certification Prep	5					Quest Badge - Big Query	12.75	
Self-study and reflection	200		Self-study and reflection	150		Preparing for the Google Cloud Associate Cloud Engineer Exam	10	2
Introduction & Onboarding	5		Introduction & Onboarding	5		Practice Exam & Review	12	2
						Associate Cloud Engineer Exam	2	
						Capstone Project	280	
						Self-study and reflection	150	
						Introduction & Onboarding	5	
<b>Machine Learning Track Hours</b>	<b>808</b>	<b>38</b>	<b>Programming with Android Track Hours:</b>	<b>831</b>	<b>30</b>	<b>Architecting with Google Compute Engine Track Hours</b>	<b>826.25</b>	<b>10</b>
<b>Bought Soft Skills Curriculum (Same for all tracks)</b>								
Introduction session / APML Life Paths							3	
APML: Giving & Receiving Feedback							4	
Digital Branding by Kaliber							5	
Critical Thinking by Kaliber							5	
Adaptability by Kaliber							5	
Communications by Kaliber / APML: Presenting with Confidence							5	
Bootcamp by Kaliber							8	
Persuasive Leader by Arsen Ben (Livestream)							9	
Rapid Learning by Arsen Ben (Livestream)							5	
Idea Generation and MVP Planning by Kaliber							5	
Effective Communication for Team Management and Users by Kaliber							5	
Resilience / Adaptability by Kaliber							5	
Startup Valuation & Investment Pitch by Kaliber							5	
Business Finance by Kaliber							5	
Marketing Content Creation by Kaliber							5	
Time Management by Kaliber							5	
Leadership by Kaliber (optional)							5	
Career Preparation Tips by Kaliber / Google Talent and Outreach							5	
<b>Total Soft Skills Hours</b>							<b>92</b>	

# Program Bangkit (3)

- Bagi mahasiswa angkatan 2018 dan sebelumnya.
  - Memperhatikan kurikulum transisi bagi angkatan tersebut dengan memperhatikan beban mahasiswa
  - Sebagai mata kuliah pilihan, block credit transfer
- Pemetaan modul pada setiap track:
  - ML (Bu Dina & Pak Adila), MD (Pak Adin & Pak Bayu), CC (Pak Rizal)
- Kandungan materi yang beririsan:
  - MK wajib (DDP 1, Sains Data, Aljabar Linier, Jarkom/Jarkomdat, Pemrograman Lanjut)
  - MK pilihan berkorespondensi dengan track (Pemelajaran Mesin, TK: TPL - Mobile Programming, TK: Infrastruktur – Cloud Computing)
  - Capstone Project -> KP/mata kuliah pilihan bagi yang sudah KP

# Program Bangkit (4)

- Perbedaan besarnya block credit transfer adalah sudah/belum mengambil MK pilihan berkorespondensi track
  - Pembelajaran Mesin (ML track): 13/15 sks
  - TK: TPL - Mobile Programming (MD track): 11/14 sks
  - TK: Infrastruktur – Cloud Computing (CC track): 13/15 sks
- Proses penilaian block credit transfer oleh Kaprodi
  - Berdasarkan transkrip nilai/sertifikat dari Program Bangkit

Terima Kasih