ABOUT K-LAB FOUNDATION

The Korean Fab-Lab(hereafter K-LAB) is initiative by the Ministry of Science & ICT of Korea in partnership with the TIDE Institute and the Korea Engineers Alliance

What is the K-LAB?

The Korean Fabrication Lab(K-LAB) is initiative by the Ministry of Science & ICT of Korea and National IT Industry Promotion Agency in partnership with the TIDE Institute and Korea Engineers Alliance.

The mission of K-LAB is to train Young Generation in Myanmar to share the advanced techniques and knowledge with Digital Fabrication Machines such as 3D Printer, Laser Cutter and CNC Router so they can make almost anything.

The K-LAB will provide Education Programs and Management Mentoring Services for Myanmar's Young Generation and Start-ups with the K-LAB programs.

The details about the K-Lab Program are as follows:

- Running Maker-related educational programs
- Running contests for future entrepreneurs and makers
- Inviting relevant local authorities to South Korea

K.LAB

과학기술정보통신부
Ministry of Science and ICT

KCA
Korea Communications Agency

nipa
정보통신산업진흥원
National IT Industry Promotion Agency

T I D E
INSTITUTE

CLI 한국엔지니어연합회
Korea Engineers Alliance

Education — Ministry of Education

Ui1 UNIVERSITY of Information Technology

CONTACT US

K-LAB & PARTICIPANTS

Tide Institute & fablab seoul

Founded in 2011, TIDE Institute has ever since supported competitive hardware startup companies. TIDE has since created and has run a digital fabrication lab equipped with 3D printers, laser cutter, and CNC routers called Fab Lab seoul. Initiated in 2013 as the first of tis kind in South Korea.

About KEA

Since 1974, Korea Engineers Alliance(KEA) is non-profit organization which was founded by the people who were the main players in the industrial and economic development era of the Republic of Korea. KEA hold various Technology&business forum monthly.

Introduction of The Ministry of Science, ICT

The Ministry of Science, ICT is a ministry of the Government of South Korea. Its purpose is to set, manage, and evaluate science and technology policy, support scientific research and development, develop human resources, conduct R&D leading to the production and consumption of Atomic power, plan national information and information protection strategies, manage radio frequency bands, oversee the information and communications technology (ICT) industry, and operate Korea Post.

About NIPA

National IT Industry Promotion Agency (hereafter NIPA) devotes itself to reinforcing the competitiveness of the ICT industry and contributes to the economic growth through the efficient support and laying the groundwork for the industrial technology promotion.

EQUIPMENT

3D Printer - CUBICON Style FDM

Working Space:150X150X150 mm

Laser Cutter - Xcut1390

Working Space:1300X900 mm

CNC Router - HSG F1325

Working Space:2440X1220X1500 mm

Table CNC - Roland SRM-20

Working Space:232X156 mm

Vinyl Cutter - Silhouette Cameo3

ARDUINO Kit

Working Space
305X305 mm - with a cutting mat
305X3,000 mm - with a lined media

PROGRAM

Digital Fabrication Workshop

K-Lab is planning to provide a walk-in workshop for 3D printer, laser cutter, vinyl cutter, CNC router, and Arduino for beginners, once a month for each equipment

Maker Mentoring

Through the discovering and implementation of entrepreneurial items, support training and mentoring for making prototype that can lead to actual startup

Entrepreneurship Training

Spread Myanmar's local startup culture and find out the pre-founder and strengthen their capacity

Make-A-Thon

A compound name of making and marathon, Make-A-Thon is a two-day event in which participants from various fields

ABOUT

Fablab Bishkek is the digital fabrication Lab so called maker space which has 3D printer, laser cutter, CNC router, vinyl cutter, arduino and electronic parts, etc..
It has been founded by Korea government with Kyrgyz State Technical University from 2019.

FAB LAB BISHKEK

KOICA
Korea International
Cooperation Agency

Ministry of Education
and Science of
the Kyrgyz Republic

КЫРГЫЗ МАМЛЕКЕТТИК
ТЕХНИКАЛЫК УНИВЕРСИТЕТИ

SIFO

TIXI INSTITUTE

FAB LAB BISHKEK

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Kyrgyz State Technical University I. Razzakov.
Ch.Aitmatov Avenue 66. Corpus 1 Lecture hall 172

the **MAKERSPACE**
to **MAKE** almost
EVERYTHING.

EQUIPMENT

The working space unit is in millimeters.

3D Printer
Sindoh 3DWOX_1

Working Space
210X200

Laser Cutter
Xcut13930

Working Space
1300X900

CNC Router
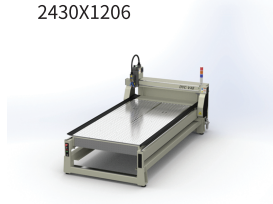**Motionworks DYC-V48**

Working Space
2430X1206

Table CNC
Roland SRM-20

Working Space
232X156

Vinyl Cutter
Silhouette Cameo3

Working Space
305X305- with a cutting mat
305X3000 - with a lined media

Arduino
Kit

PROGRAM

Digital Fabrication Workshop
FAB LAB BISHKEK is planning to provide a walk-in workshop for 3D printer, laser cutter, vinyl cutter, CNC router and Arduino for beginners, once a month for each equipment.

Maker Menoring
Through the discovering and implementation of entrepreneurial items, support training and mentoring for making prototype that can lead to actual startup

Entrepreneurship Training
spread BISHKEK's local startup culture and find out the pre-founder and strengthen their capacity.

Make - A - Thon
A compound name of making and marathon, Make-A-Thon is a two-day event in which participants from various fields

PARTICIPANTS

About SIFO
Seoul International Friendship Organization was founded in an effort to promote friendship among different nations based on universal ideal of collaboration and assistance to people in need. Starting from 2009, in partnership with KOICA, we reached out for the most vulnerable people with efficient projects such as building tuition-free schools, housing facility and vocational training center in Guatemala, Philippines and Vietnam. SIFO hopes to continue the success story of empowering people in Kyrgyzstan.

TIDE Institute & FabLab Seoul
Founded in 2011, TIDE Institute has ever since supported competitive hardware startup companies. TIDE has created and run a digital fabrication lab equipped with 3D printers, laser cutter, and CNC routers called FabLab Seoul, Initiated in 2013 as the first makerspace in South Korea and K-Lab Yangon, the first makerspace in Myanmar in 2016.

Introduction of KOICA
KOICA(Korea International Cooperation Agency), as a leading development cooperation agency of Korea, supports the implementation of the Sustainable Development Goals (SDGs) and the realization of global social values. KOICA's mission is "Leave no one behind with People-centered Peace and Prosperity"