

6. ELECTRONIC CIRCUIT, MEASUREMENT AND CONTROL

1. PURPOSE OF THE COURSE

The course targets for young teaching profession in the field of electrical engineering and electronics, and enhance his/her research capability through PRACTICAL training and experience.

2. TRAINING PROGRAM

(1) General Orientation and Japanese Language Program

The General Orientation and Japanese language program are organized at the Chubu International Center of JICA prior to the technical training to assist the participants in understanding Japan and adjusting themselves to life in Japan, and thus to facilitate effective training.

(2) Technical Training

The program will be consisted of the combination of laboratory-based education, company visits, and training in industries, which will enhance the knowledge, skill and capability of research.

Note: The below training contents are subject to minor change.

Training in Toyohashi University of Technology (TUT)

- Lectures

- sensing
- electronic control
- electronic circuit
- interfacing

- Laboratory work with education (LBE)

- laboratory work with specific theme
- participation in a part of lectures of the graduate course of TUT

Training in Industry

- robotics
- Japanese technology in the field

3. NUMBER OF PARTICIPANTS TO BE ENROLLED

Maximum 3 persons

4. TRAINING DURATION from April 1, 2020 to November 21, 2020

(1) Arrival

April 1, 2020

(2) Briefing

April 2, 2020

(3) General Orientation

From April 3 to April 7, 2020

- (4) Japanese Language Program
From April 8 to May 15, 2020
- (5) Technical Training
From May 18 to November 20, 2020
- (6) Departure
November 21, 2020

5. TRAINING INSTITUTION

- (1) General Orientation/Japanese Language Program

Chubu International Centre (JICA CHUBU), JICA
4-60-7, Hiraike-cho, Nakamura-ku, Nagoya, 453-0872, Japan
Tel: +81-52-533-0220 Fax: +81-52-564-3751
URL: <https://www.jica.go.jp/chubu/english/office/index.html>

- (2) Technical Training

International Cooperation Center for Engineering Education Development (ICCEED),
Toyohashi University of Technology (TUT)
1-1 Hibarigaoka, Tempaku-cho, Toyohashi 441-8580, Japan
Tel: +81-532-44-6938 Fax: +81-532-44-6935
URL: <https://www.tut.ac.jp/english/schools/faculty/icceed/index.html>

6. CONDITION OF APPLICATION

Essential Qualifications

Current Duties: Be assigned in an institution of higher-education such as university, college or research institute and work for teaching and research activity in the field of electrical engineering and electronics.

Experience in the relevant field: Minimum of 5 years

Educational Background: Should have a Master's or a higher degree.

Health: Be in good health, both physically and mentally, to participate in the program

Pregnant women can not be accepted.

Applicants must not be presently serving in the military.

Recommendable Qualifications

Age: Under the age of forty (40) and have appropriate professional experiences in related fields of electrical engineering and electronics.