

TU က BE (Any discipline) ပြီးသူတွေနိုင်ငံခြားထွက်သို့ Singapore/ UK Membership/ Australia အသိအမှတ်ပြု IPEM NSW Australia Chapter ရဲ့ Graduate Member Certificate ပေးသို့ IQY Professional Diploma Conversion (One month) course (Personal Attendance or Online)

U Htay Aung (Manager) Phone: 09795579609 , 09420208590 ကိုစုံစမ်းပါ။

AGTI + Electrical/Civil/Mechanical Engineers များအတွက် BE (Renewable Energy + Electrical/Civil/Mechanical)/ Graduate Diploma in Engineering အထူးသင်တန်း

The Institution of Professional Engineers Myanmar ဥက္ကဋ္ဌ Dr Kyaw Naing သည် 2019 December+ January တွင် Electrical/Civil/ Mechanical Engineers အတွက် Professional Diploma/ Bachelor of Engineering/ Graduate Diploma in Engineering (Photovoltaics Renewable Energy and Energy Efficient Building Design System) အထူးသင်တန်းကို Yangon(၁၀ ရက်)၊ Mandalay (၃ရက်) ကိုယ်တိုင်သင်ရန်စီစဉ်မည်။

AGTI များအတွက် အထူးအစီအစဉ် (80 hours) ရက်မပျက်တက်ပြီး Online ဆက်တက်၍ BE (Renewable Energy Engineering+ Civil or Electrical or Mechanical) (Photovoltaics Renewable Energy and Energy Efficient Building Design System) ပြီးစီးမည်ဖြစ်သလို၊ BTech/BE များသည် Online ဆက်တက်၍ Graduate Diploma in Engineering (Renewable Energy Engineering) (Photovoltaics Renewable Energy and Energy Efficient Building Design System) ပြီးစီးမည်။

ထို့နောက် SCPU School of Engineering (Switzerland) ၏ Master of Engineering (Renewable Energy and Electrical)/ Master of Engineering (Renewable Energy and Civil)/ Master of Engineering (Renewable Energy and Mechanical) များဆက်တက်နိုင်မည်။ အသေးစိတ်ကိုပူးတွဲပါ Photo တွင်ကြည့်ပါ။

IQY/ STC Technological University/ St Clements Graduate အားလုံးသည် IQY Diploma/ STC Technological University/ St Clements University သို့ များအပြင်အသိအမှတ်ပြုအရည်အချင်း ရှိကြောင်းအောက်ပါအထောက်အထားများပူးတွဲတင်ပြသင့်သည်။

IQY Technical College နှင့် Singapore Institute of Engineering Affiliation Certificate

<http://www.iqytechnicalcollege.com/IQYSIETRecognition.pdf>

The Institution of Professional Engineers Myanmar က IQY Technical College ကို Accreditation ပြုသောလက်မှတ်

<http://www.iqytechnicalcollege.com/Accreditation%20Certificate-A1IQY%20Technical%20College.pdf>

IQY Technical College ကို Accreditation ပြုသော The Institution of Professional Engineers Myanmar NSW Australia Chapter ၏ Australia အစိုးရမှတ်ပုံတင်လက်မှတ်

<http://www.ipemyanmar.org/IPEMNSWAustRegistrationCert.pdf>

IQY Technical College ကို Accreditation ပြုသော The Institution of Professional Engineers Myanmar သည် USA အခြေစိုက် International Federation of Engineering Education Societies- IFEES တွင် Membership အထောက်အထား

<http://www.ipemyanmar.org/IFEESIPEM11Oct2018.pdf>

The Society of Professional Engineers (UK and International)က IQY Technical College ကိုပေးထားသော Affiltation Certificate

<http://www.iqytechnicalcollege.com/SPECertificateIQY.pdf>

IQY Technical College Graduate များ Singapore Institute of Engineering Technologists Membership / ASEAN Federation of Engineering Organizations (AFEO) ၏ ASEAN Engineering Technologists/ ASEAN Engineering Technician/ The Society of Professional Engineers (UK and International) ၏ Graduate Professional Engineer/ Professional Engineer Certificate / Australia အသိအမှတ်ပြု The Institution of Professional Engineers Myanmar NSW Australia Chapter ၏ Graduate Member Certificate များလျှောက်သင့်သည်။

IQY Technical College သည်ကျောင်းဆင်းများနိုင်ငံတကာအသိအမှတ်ပြုခြင်းကို Singapore/ Australia/ USA/UK/ Switzerland တို့ တွင်ရရှိရန်စီစဉ်သောကျောင်းဖြစ်သည်။

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AGTI များသည် ၁၀ရက် အထူးအစီအစဉ် (80 hours) ရက်မပျက်တက်ပြီး လုပ်သက်တင်ပြကာ Online ဆက်တက်ပြီး BE (Renewable Energy Engineering+ Civil or Electrical or Mechanical) (Photovoltaics Renewable Energy and Energy Efficient Building Design System) ပြီးစီးမည်ဖြစ်သလို BTech/BE များသည် Online ဆက်တက်ပြီး Graduate Diploma in Engineering (Renewable Energy Engineering) (Photovoltaics Renewable Energy and Energy Efficient Building Design System) ပြီးစီးမည်။

ထို့နောက် SCPU School of Engineering (Switzerland) ၏ Master of Engineering (Renewable Energy and Electrical)/ Master of Engineering (Renewable Energy and Civil)/Master of Engineering (Renewable Energy and Mechanical) သင်တန်းများဆက်တက်နိုင်မည်။
အသေးစိတ်ကိုပူးတွဲပါတွင်ကြည့်ရန်။

The Institution of Professional Engineers Myanmar Professional Development Program

Bachelor of Engineering/Graduate Diploma in Engineering (Photovoltaic & Energy Efficient Building Design)

This course aims to provide the undergraduate and postgraduate level engineering knowledge in Photovoltaic Power and Energy System Engineering.

It outlines the modern technical aspects of Solar Power System, Photovoltaics Power System, Grid Connected Inverter System, Energy Efficient Building Design, Solar and Thermal Power System, Energy Storage and Energy Efficiency.

Who should attend

- BE & BTech (Electrical/ Electronics/Mechanical/Civil) Engineers
- Experienced site engineers
- AGTI (Electrical/Electronics/Mechanical/Civil Engineers) with experience(This course will also serve as Special Program for BE (Renewable Energy Engineering with discipline of AGTI diploma)

Award

- Graduate Diploma in Engineering (Photovoltaic & Energy Efficient Building Design) awarded by STC Technological University recognized by The Society of Professional Engineers (UK and International) if the candidate has BTech or BE degree
- Professional Diploma in Renewable Energy Engineering awarded by IQY Technical College+ Bachelor of Engineering (Renewable Energy) if the candidate has Diploma.
- Upon completion, the graduates can further apply for Graduate Diploma in Engineering awarded by SCPU School of Engineering (Registered in Switzerland) by paying additional fees+ Master of Engineering can be continued by online.

Schedule

Day 1+2 PV Technology

Day 3 PV Inverter

Day 4+5+6 Energy Efficient Building Design

Day7 Grid Connected PV System

Day 8 Solar and Thermal Energy System

Day 9 Energy Storage System

Day 10 Energy System Efficiency

- Date and Place of Teaching (Provisional)
20/21/22/23/24/27/28/29/30/31 December 2019 (9AM to 5PM) No 307B Thura 2 Street, 9 Ward, South Okkalapa, Yangon . No absence is permitted. Enrol only if you can attend all sessions PLUS Additional online sessions. Please bring USB/ Hard drive.

Fees

- Ks 300000 for training+ Professional Diploma. To receive BE(Renewable Energy and Energy Efficient Building Design) (STCTU), additional fees Ks200000 is payable
- To receive Graduate Diploma, additional fees Ks 100000 is payable and additional assignments to be completed
For AGTI to BE Special Program, fees is Ks 300000 and need to submit the experience

Teacher- Dr Kyaw Naing (Personal Teaching)

Limit—Maximum 20 students

Fees payment and registration

Between 1 October and 30 November 2019, Registration and Fees to be paid to the following account and submit the receipt to iqytechnicalcollege@gmail.com

U Kyaw Naing+Hla Myat Mon

Account Number 020-33-500265-2 (Yoma Bank) / 002044108500265 (Yoma Bank)
and send the evidence of deposit to iqytechnicalcollege@gmail.com

- Submit qualification+ experience

Contents

(1)PV Technology

Contents

K025 Lesson 1-PV Cell

K025 Lesson 2-PV Power

K025 Lesson 3-Module derating

K025 Lesson 4-PV Module daily energy

K025 Lesson 5-PV daily energy accurate method

K025 Lesson 6-Solar insolation

K025 Lesson 7-Solar geometry

K025 Lesson 8-PV Semiconductor

K025 Lesson 9-Solar irradiation and shading assessment

K025 Lesson 10-Irridation assessment

K025 Lesson 11-Solar cell technology

K025 Lesson 12-PV Power system

K025 Lesson 13-PV water pumping system

K025 PV Software Video

(2) PV Inverter

K035 Lesson 1-Inverter principle

K035 Lesson 2-Modified sine wave inverter

K035 Lesson 3-Pulse width modulation

K035 Lesson 4-PV Inverter

K035 Lesson-5 MOSFET Driver

K035 Lesson-6 PWM Inverter

K035 Lesson-7 Grid Connected Inverter

K035 Lesson-8 Inverter Power Flow Model

(3)BAE505 Energy Efficient Building Design

K041 Lesson 1-Solar Design

K041 Lesson 2-Basic Psychrometric

K041 Lesson 3-Total heat resistance

K041 Lesson 4-U value Heat conductance calculation

K041 Lesson 5-Glazing+Net Heat gain heat loss

K041 Lesson 6-Shading

K041 Lesson 7-Insulation+ Thermal mass

K041 Lesson 8-Thermal mass insulation

K041 Lesson 9-Airconditioning load calculation

K041 Lesson 10-Heat gain per day

K041 Lesson 11-Ventilation

K041 Lesson 12-Building heating load calculation

K041 Lesson 2-Basic psychrometric chart

K041 Lesson 13-Design assessment tools

K041 Lesson 14-Design for Australian climate

K041 Lesson 15-Domestic solar hot water system

K041 Lesson 16-Energy efficiency+Lighting

K041 Lesson 17-Illumination+Smoke alarm

K041 Lesson 18-Water supply

K041 Lesson 19-Ventilation+Lighting control

K041 Lesson 20-Electrical system design

K041 Lesson 21-Building materials

(4)RE002- Grid Connected Photovoltaic Power Systems

Sun geometry

Daily irradiance

Power output calculation

Open circuit voltage

Inverter diagram

Grid protection
Lightening surge protection
Net metering
Inspection& testing
PV array location
PV power system
Typical arrays
Grid connected inverter

(5)RE003- Solar and Thermal Energy Systems

Solar energy+ Measurement of irradiation
Solar water heating system + Collectors
Solar water heater + Heat exchanger
Combined hot water system
Dielectric +Heating system + Earth Reservoir

(6)RE004- Energy Storage Systems

Storage& density
System, Storage management
Frequency regulation
Voltage Distribution network energy storage
Energy storage retailer

(7) RE007- Energy System Efficiency

Energy Use
Water use
Comparison
Solar farming
Bulb efficiency
Regenerative braking
CHP
Efficient electricity use
Car Page
Ventilation
Energy efficient office
Power system in energy efficiency
Building survey

Additional 3 online subjects

(8)G015AA- Electrical Distribution

(9) RE016E-Electrical Design Analysis

(10)EE308 Sustainability and Electrical Practice