MTU Profile

Mandalay Technological University is located in Patheingyi Township in the Mandalay Region which is in the middle of Myanmar. It lies at the foot of Yankin Hill and is very near to the ranges of Shan Mountains. It stands proudly in the green, wide and pleasant woodland areas. It is 20 kilometres away from Mandalay and has an area of 280 hecters.

MTU was established on the 1st October, 1991. Therefore it has been 28 years and it celebrated its silver jubilee anniversary in October 2016. Our university is the second largest technological university that produces many engineers, architects and technologists.

During the past 28 years, over 10, 000 students were graduated on science, engineering and architecture from this University. Currently, MTU is offering a total of 13 courses in Ph D, 11 courses in Master's programs and 11 courses in undergraduate courses. We also have a total of 223 teachers: 131 PhD holders, 75 Master's degree holders 4 in other degrees and 13 in visiting professors and lecturers who have been teaching their respective subjects to the engineering students. About 2000 students of undergraduates and postgraduates are now attending their respective science, architecture and engineering programs. The university has been making efforts to attempt not only academic research but also the applied and commercialized research for the technology demands of industries and business sectors according to the plan of research based University.

To produce outstanding engineers, architects and technologists through international quality-based education practices and to create a better education environment are the main core of our university. Strategic reforms are carrying out for students on the purpose of establishing education-based economy which can grant more career opportunities and equitable access to education through the world-class higher education system.

Based on education policies and objectives, MTU has been carrying out the development of engineering, architectural and technical syllabuses, upgrading the teachers' capacity, continuously fulfilling the needs of our students, supporting modernized and better teaching aids and lab equipment and implementing quality-based management system on teaching-learning practices.

To accomplish our mission, we are trying to implement Educational Quality Assurance systems from national level to regional level and then to international level in teaching, learning and administration in the fields of engineering and architecture. MTU is implementing two types of educational quality system; accreditation criteria of Federation of Engineering Institutions of Asia and Pacific (FEIAP) guidance under Engineering Education Accreditation Committee (EEAC)of Myanmar Engineering Council (MEngC) and quality assurance criteria based on ASEAN-QA guidance of National Accreditation and Quality Assurance Committee (NAQAC) formed by National Education Policy Commission (NEPC). MTU was now ISO: 9001-2015 certified University of International Quality Management System (QMS).

Preface

Welcome to the Mandalay Technological University (MTU). Publicly Funded Research Organization (PRO) office has prepared this directory to share technical information about university facilities, staff capacity, research publication and training services. MTU Directory for Science and Engineering is supported by ASEAN Science, Technology and Innovation Funding Scheme (ASTIF) through ASEAN Committee on Science, Technology and Innovation (ASEAN COSTI) under 2018-19.

It mainly introduces university facilities for laboratory services on different kinds of technical area such as food and safety; renewable energy; environmental; material science; ICT; design, analysis and estimation; others etc. Training program, research work, consultant area and project collaboration offered by university are mentioned in this directory. Moreover, the directory also contains list of conference paper and journal of international contribution by academic staff who are already gained knowledge and experiences in their respective field of science, engineering and architecture. Our faculty, staff and students are ready to assist and support you on their expertise research theme area. I believe that this directory can provide to all industries and private services to fullfil the gap of technical issues.

Thank you for your interest in this directory. I hope you will have great opportunity by referencing MTU Directory for Science and Engineering.

Dr. Sint Soe
Rector
Mandalay Technological University

ဦးယျောဇဉ်

မန္တလေးနည်းပညာတက္ကသိုလ်မှ နွေးထွေးလှိုက်လှဲစွာကြိုဆိုအပ်ပါသည်။ သုတေသနရန်ပုံငွေ ထူထောင်ရေးအဖွဲ့မှဦးစီး၍ ဤတက္ကသိုလ်၏ သိပ္ပံနှင့်အင်ဂျင်နီယာလမ်းညွှန်စာအုပ်ကိုထုတ်ဝေခြင်းဖြစ် ပါသည်။ ဤစာအုပ်တွင် တက္ကသိုလ်သုတေသနဌာနများ၏ ဝန်ဆောင်မှုပေးနိုင်မည့်စက်ပစ္စည်းများနှင့် တိုင်းတာပေးနိုင်မည့် ကိရိယာများ၊ နည်းပညာ၊ အင်ဂျင်နီယာ/ဗိသုကာဌာနများမှ ပို့ချပေးနိုင်သည့် အသုံးချသင်တန်းများနှင့် သုတေသီများ၏ Conference paper proceeding, research journal publications များ၊ ပူးပေါင်းနိုင်မည့် သုတေသနစီမံကိန်းများ၊ နည်းပညာဝန်ဆောင်မှုများ၊ အကြံပေးခြင်းလုပ်ငန်းများစသည်တို့ကို အသေးစိတ်ဖော်ပြထားရှိပါသည်။ ဤလမ်းညွှန်စာအုပ်သည် အာဆီယံသုတေသန၊ နည်းပညာနှင့်တီထွင်ဖန်တီးမှုကော်မတီ၏ အစီအစဉ်တစ်ရပ်အနေဖြင့် အာဆီယံရန်ပုံ ငွေမှ အကူအညီအထောက်အပံ့ရယူလျက် ပြုစုထုတ်ဝေခြင်း ဖြစ်ပါသည်။

ဝန်ဆောင်မှုပေးနိုင်မည့် နည်းပညာနယ်ပယ်များဖြစ်သော အစားအသောက်ထုတ်လုပ်မှုနှင့် အစားအ စာဘေးကင်းလုံခြုံမှုဆိုင်ရာများ၊ ပြန်ပြည့်ဖြိုးမြဲစွမ်းအင်၊ ပတ်ဝန်းကျင်ထိန်းသိမ်းရေး၊ သတ္တုဗေဒဆိုင်ရာ အသုံးချသိပ္ပံ၊ သတင်းအချက်နှင့်ဆက်သွယ်ရေးနည်းပညာ၊ ဒီဇိုင်းနှင့် ခန့်မှန်းတွက်ချက်မှုများ စသည်တို့ကို ထည့်သွင်းဖော်ပြပေးထားပါသည်။ တက္ကသိုလ်၏ သုတေသနဆိုင်ရာသိပ္ပံနှင့်အင်ဂျင်နီယာများမှ ကျွမ်းကျင် ရာနယ်ပယ်အလိုက် ကူညီဆောင်ရွက်ပေးနိုင်မည်ဖြစ်ပါသည်။ စက်မှုကုန်ထုတ်လုပ်ငန်းရှင်များ၏အလုပ်ခွင် လိုအပ်မည့် နည်းပညာအကူအညီများကို အထောက်အကူပြုပံ့ပိုးပေးနိုင်စေရန် ရည်ရွယ်လျက် ဤလမ်းညွှန်စာ အုပ်ကိုထုတ်ဝေရခြင်း ဖြစ်ပါသည်။

လမ်းညွှန်စာအုပ်အပေါ် လေ့လာဖတ်ရှုပြီး အကျိုးတူပူးပေါင်းဆောင်ရွက်ခြင်းဖြင့် နှစ်ဦးနှစ်ဖက် အကျိုးကျေးဇူးများစွာရရှိမည်ဟု ယုံကြည်မိပါကြောင်းနှင့် စိတ်ပါဝင်စားစွာ လေ့လာဖတ်ရှုခြင်းအတွက် အထူးကျေးဇူးတင်ရှိပါကြောင်း ဖော်ပြအပ်ပါသည်။

ဒေါက်တာဆင့်စိုး
ပါမောက္ခချုပ်
မန္တလေးနည်းပညာတက္ကသိုလ်

နိဒါန်း (Introduction)

တက္ကသိုလ်မှနည်းပညာဆိုင်ရာဝန်ဆောင်မှုပေးနိုင်မည့် research facilities နှင့် laboratory services များ၊ ပူးပေါင်းဆောင်ရွက်လိုသည့် သုတေသနလုပ်ငန်းနယ်ပယ်များ အင်ဂျင်နီယာ/ ဗိသုကာ/ နည်းပညာဌာနများမှ ပို့ချပေးနိုင်သည့်အသုံးချသင်တန်းများနှင့် သုတေသီများ၏ Conference paper proceeding, research journal publications စသည်တို့ကို သက်ဆိုင်ရာ သုတေသန နယ်ပယ်အလိုက် စုစည်းဖော်ပြထားပါသည်။ ထို့အပြင် ပူးပေါင်းဆောင်ရွက်မည့် သုတေသနစီမံကိန်းများ၊ နည်းပညာဝန်ဆောင်မှုများ၊ အကြံပေးခြင်း လုပ်ငန်းများကိုစုပေါင်းလျက် သုတေသနလမ်းညွှန်စာအုပ်အဖြစ် ပြုစုထုတ်ဝေရခြင်း ဖြစ်ပါသည်။

ရည်ရွယ်ချက် (Objectives)

ပြောင်းလဲတိုးတက်နေသည့် နိုင်ငံတကာသိပ္ပံနှင့်နည်းပညာ ရေစီးကြောင်းတွင် သုတေသနကို တစိုက် မတ်မတ်အားပြုလျက် ပြည်သူများ၏ လူမှုဘဝနှင့် စီးပွားရေးကို မြှင့်တင်ပေးနိုင်ရန် အဓိက ရည်ရွယ်ပါသည်။ ထို့အပြင် သုတေသနရလဒ်များအသုံးချ၍ ဈေးကွက်ရှိထုတ်ကုန်ပစ္စည်းများကို တန်ဖိုးမြှင့်ထုတ်ကုန်ပစ္စည်း များအဖြစ် ထုတ်လုပ်ရောင်းချနိုင်ရန်နှင့် စက်မှုလုပ်ငန်းရှင်များအတွက် သုတေသနဆိုင်ရာ နည်းပညာဝန် ဆောင်မှုများ၊ အကြံပေးခြင်းလုပ်ငန်းများ စသည်တို့ကိုပေးနိုင်ရန်အတွက် ရည်ရွယ်ပါသည်။ ပူးပေါင်းဆောင် ရွက်မည့် သုတေသနနယ်ပယ်များအလိုက် အသုံးချသင်တန်းများ၊ ဓာတ်ခွဲခန်းသုံးပစ္စည်းများနှင့် သုတေသနသုံး တိုင်းတာရေးစက်ကိရိယာများ အသုံးပြုတိုင်းထွာစစ်ဆေးပေးနိုင်ခြင်းဖြင့် သုတေသနဖွံ့ဖြိုးရေးအတွက် သုတေသီပညာရှင်များ၏ စွမ်းဆောင်ရည်များ မြင့်မားလာစေမည်ဖြစ်ရာ လုပ်ငန်းရှင်များအတွက်လည်း နည်းပညာလိုအပ်ချက်များ ဖြည့်ဆည်းပံ့ပိုးပေးနိုင်မည်ဖြစ်သည့်အတွက် နှစ်ဦးနှစ်ဖက်အကျိုးကျေးဇူးများ စွာရရှိနိုင်မည်ဖြစ်ပါသည်။

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မာတိကာ

MTU DIRECTORY
for Science and Engineering

MANDALAY TECHNOLOGICAL UNIVERSITY

asean

RESEARCH FACILITIES AND LABORATORY SERVICE

တိုင်းတာပေးနိုင်သော

စက်ပစ္စည်းများ

3.1.1 Food and Safety

Serial No.	Area of Measurement	Equipment List	Contact Person
1.	Fatty Acid Profiles of Oil and Biodiesel (ဆီထဲတွင်ပါဝင်သော ဖက်တီးအက်ဆစ် ပါဝင်နှုန်းကို တိုင်းတာခြင်း)	CHE: GCMS (Gas Chromatography)	Dr. Ei Mon Aung
2.	Water Content in Cosmetics, Pharmaceuticals, Pulp & Paper Products, Waste Water Applications Cosmetics, Pharmaceuticals, Pulp & paper product, waste water တို့၏ ရေပါဝင်မှုကိုတိုင်းတာခြင်း။	CHE: Moisture Analyzer	Dr. April Nway Nway Htet 09-795355879
3.	To measure the anti-microbial activity (it can be used for microbial culturing)	Chemistry: Incubator, DSI 500D, (Digital System-lab), Taiwan Microbial culture and Anti-microbial test	Dr. Myat Myat Mon Department of Engg: Chemistry
4.	To measure the anti-oxidant activity of natural products/ foods and drugs	Chemistry: Colorimeter, SP-300, Japan	Dr. Myat Myat Mon Department of Engg: Chemistry
5.	- To measure the Anti-tumor activity of natural products/ foods and drugs (for oxic culture condition) - To measure the anti-microbial activity (it can be used for storage and maintenance of microbes, crude extracts and compounds)	Chemistry: Shaking Waterbath	Dr. Myat Myat Mon Professor and Head, Department of Engg: Chemistry
6.	To culture the microbe (အဏုဇီဝပိုးမွေးမြူရန်။)	Incubator, BioTech	common use
7.	For gentle removal of solvents from samples by evaporation (အပူပေး၍ခါတုခာတ်ပေါင်းများ ခွဲခြားထုတ်ယူရန်။)	Rotary Evaporator, BioTech	common use
8.	To investigate the bacterial cells and their structure (အဏုဇီဝပိုးများ၏ ဇီဝရုပ်သွင်လေ့လာကြည့်ရှုရန်။)	Microscope, BioTech	common use

3.1.2 Renewable Energy

Serial No.	Area of Measurement	Equipment List	Contact Person
1.	To determine the position of the center of pressure on the rectangular face of torrid	CE- Center of Pressure	Dr Shwe Sin Phyo
2.	To determine discharge coefficient (အရည်စီးဆင်းမှု coefficient ကို တိုင်းတာရန်။)	CE- Impact of Jet	Dr Shwe Sin Phyo
3.	To determine the operative characteristics of a Francis turbine at several velocities မတူညီသောအလျင်နှုန်း�� Francis တာဘိုင်၏ လုပ်ဆောင်နိုင်စွမ်းကို သိရှိစေရန်။	CE- Francis Turbine	Dr Shwe Sin Phyo
4.	To determine the operative characteristics of a pelton turbine at several velocities (မတူညီသောအလျင်နှုန်းဖြ pelton တာဘိုင်၏ လုပ်ဆောင်နိုင်စွမ်းကို သိရှိစေရန်။)	CE-Pelton Turbine	Dr Shwe Sin Phyo
5.	to investigate the measurement of flow rate using a venturimeter (venturimeter ကို သုံးပြု၍အရည်စီးဆင်းမှုနှုန်း ကို တိုင်းတာရန်။	CE-Flow Meter Demonstration	Dr Shwe Sin Phyo

6.	To carry out the confirmation of the readings of a Bourdon manometer using patron equipment of calibrated weights တွေကို အသုံးပြုပြီး Bourdon manometer ရဲ့ ဖတ်မှတ်တွေကို အတည်ပြုခြင်းဆောင်ရွက်ရန် patron ကိရိယာ)	CE-Dead Weight Calibrator	Daw May Phyo Thu
7.	to determine the pressure measurement between positive and negative pressures using pressure measurement bench (pressure measurement bench ကို အသုံးပြု၍ အပေါင်း pressure /အနုတ် pressure တိုင်းတာမှုတွေကို နားလည်ရန်	CE: Pressure Measurement Bench	Daw May Phyo Thu

3.1.3 Renewable Energy

Serial No.	Area of Measurement	Equipment List	Contact Person
8.	- Synchronous Generator Excitation System - Relation between Field Excitation and Power Factor စသည်တို့အား စမ်းသပ်ပြုလုပ်နိုင်ခြင်း။	EP: Generator Excitation System (Electrical Machine Lab)	ဦးသက်နိုင်ထွန်း ၀၉-၉၇၀၄၉၃၂၃၅
9.	- AC Motor Speed Control System AC အလျင်နှုန်းထိန်းကိရိယာ) - DC Motor Speed Control System (DC အလျင်နှုန်းထိန်းကိရိယာ)	EP: AC and DC Motors Speed Control	ဦးသက်နိုင်ထွန်း ၀၉-၉၇၀၄၉၃၂၃၅
10.	PLC Trainer Kit (1) PLC Programming and Simulation စသည်တို့အားစမ်းသပ်ပြုလုပ်နိုင်ခြင်း (၁) PLC စက်ကိရိယာ- မိမိပြုလုပ်လိုသောအကြောင်းအရာအား(ခလုတ်အဖွင့် အပိတ်၊ အတင်အချ) တို့ကို ပရိုဂရမ်ဖြင့် ရေးသား၍ဆောင်ရွက်နိုင်ခြင်း။	EP:PLC for the Control of Industrial Process	ဦးဇော်ထက်မြင့် ၀၉-၇၉၇၇၄၅၅၈၃ ဦးဇော်ဝင်းပိုင် ၀၉-၄၀၂၅၂၄၀၃၈ ဒေါ်စုမြတ်သန္တာဝင်း ၀၉-၉၆၂၉၃၂၃၂
11.	(1) To measure various waveforms of voltage and current for experiment circuit modules (၁) လျှပ်စစ်အားနှင့်ဗို့အားပမာဏတန်ဖိုးများကို ဂရမ်များဖြင့်တိကျစွာ ဖော်ပြထားပါသည်။	EP:Oscilloscope	ဒေါက်တာထွန်းလင်းနိုင် ၀၉-၇၉၄၅၅၅၆၆၇ ဦးသက်တင် ၀၉-၂၀၁၀၆၉၃

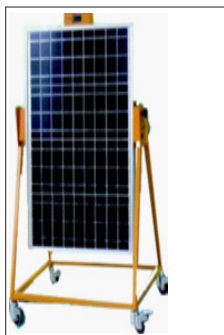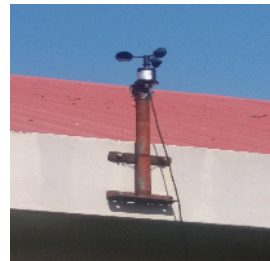| Serial No.	Area of Measurement	Equipment List	Contact Person
12.	(1) DL 9032- Power Supply Converting AC Voltage to DC Voltage (2)If unbalance AC Current, it used in Main Power Supply (3) DL 9017- To be used 3W LED and Halogen Lamp as a load. (4) DL 9018- To measure Current drop from Resistance Value 0 to 80 Ohm. (5) DL 9021- To measure Irradiation and Temperature from Solar Panel ((6) DL 9013G- To test with the Power Inverter of Solar Output DC to AC Grid 230 V. (7) According to including DL 9030- Nemo 96HD+, it can measure voltage, power between current phase and neutral of each current and phase.	DL EP:Solar-D1 (Series), (Renewable Energy)	ဒေါက်တာလဲ့ယဉ်ဝင်း ၀၉-၄၀၁၂၇၉၀၄၄
13.	(1) To run easily the motor for necessary wind speed, given the 24V/4A PWM output. (2) DL 9014- To protect the Battery (3) To protect the deep of discharge condition of battery (4) For using as AC load (5) For using as DC load (6) Measuring the variable current by changing resistance from zero to 80	EP:DL Wind – A1 – Wind Power System	ဒေါက်တာလဲ့ယဉ်ဝင်း ၀၉-၄၀၁၂၇၉၀၄၄
14.	(1) It can be used by changing the angle which can get the best solar radiation (2) To protect the battery (3) To regulate the battery charge according to required amount (4) DC/AC converter which used sinusoidal output voltage and frequency (5) For using as AC load (6) For using as DC load (7) Measuring the variable current by changing resistance from 0 to 80 ohm (8) To measure solar panel output data (9) To measure Wind Power Output Data	EP:DLSUN- WIND – Solar Wind Hybrid System	ဒေါက်တာလဲ့ယဉ်ဝင်း ၀၉-၄၀၁၂၇၉၀၄၄

Serial No.	Area of Measurement	Equipment List	Contact Person
15.	(1) Knowing the performance of how to connect each components of solar home system (2) To measure Solar Irradiation (3) Comparing on load condition and no load condition (4) Measuring the charging current (5) Studying the changing condition of AC and DC load	EP: DL Solar – A – Solar System	ဒေါက်တာလဲ့ယဉ်ဝင်း ၀၉-၄၀၁၂၇၉၀၄၄
16.	(1) Solar Thermal Collector with Pump Circulation (၁)Power ထုတ်လုပ်ရန် pump မှ ရေကို collectorထဲဖြတ်သန်းစေပြီး နေ့စွမ်းအင်ဖြင့် ပူနွေး စေခြင်း။ Parabolic channel collector withpump cycle . (၂)Power ထုတ်လုပ်ရန် pump မှရေကို Parabolic channel collector ကြားခံစေပြီး နေ့စွမ်းအင်ဖြင့် ပူနွေးစေခြင်း။	EP: Solar Thermal Energy	ဒေါက်တာလဲ့ယဉ်ဝင်း ၀၉-၄၀၁၂၇၉၀၄၄
17.	(1) performance of standalone PV System with solar tracker (၁) နေ့စွမ်းအားသုံးစနစ်တွင် နေရောင်ဖမ်းကိရိယာ ကိုအသုံးပြုပြီး အကောင်းဆုံး power ရရှိအောင် ဆောင်ရွက်နိုင်ခြင်း။	EP:PortableSolar Tracking System	ဒေါက်တာလဲ့ယဉ်ဝင်း ၀၉-၄၀၁၂၇၉၀၄၄

Serial No.	Area of Measurement	Equipment List	Contact Person
18.	(1) Power Factor Measurement in Single Phase (၁) Single Phase တွင် Power Factor တိုင်းတာခြင်း။ (2) Power Factor Measurement in Three-Phase (၂)Three-Phase တွင် Power Factor တိုင်းတာခြင်း။	EP:Electricity Measurements laboratory (DL 2109TM)	ဒေါက်တာအေးမြတ်သင်း ၀၉-၂၅၂၅၆၄၃၈
19.	(1) Kirchoff's Voltage Law (2) Kirchoff's Current Law စသည်တို့အား တိုင်းတာပြုလုပ်နိုင်ခြင်း။	EP:Basic Electricity Trainer MODEL:EFT-ELC_2	ဒေါက်တာအေးမြတ်သင်း ၀၉-၂၅၂၅၆၄၃၈
20.	(1) Voltage measurement (2) Current measurement စသည်တို့အား တိုင်းတာပြုလုပ်နိုင်ခြင်း။	EP:Linear Potentiometer	ဒေါ်စုမြတ်သန္တာဝင်း ၀၉-၉၆၂၈၃၂၃၂
21.	(1) To measure the wind speed (၁)WindSpeed အားတိုင်းတာပြုလုပ်နိုင်ခြင်း။	EP:Anemometer	ဒေါက်တာလဲ့ယဉ်ဝင်း ၀၉-၄၀၁၂၇၉၀၄၄

Serial No.	Area of Measurement	Equipment List	Contact Person
22.	(1)Measuring Solar Irradiation and Temperature (၁)နေရောင်ခြည်ဖြာကျမှုနှင့် အပူချိန်တိုင်းတာခြင်း။	**EP:Pyranometer**	ဒေါက်တာလွဲယဉ်ဝင်း ၀၉-၄၀၂၂၇၉၀၄၄
23.	(၁) Digital Earth Resistance Meter (၂) Building,Structures,Electrical systems တွေမှာ ground quality and effectiveness များကို တိုင်းတာရန်အသုံးပြုပါသည်။	**EP:Digital Earth Resistance Meter**	ဒေါက်တာလွဲယဉ်ဝင်း ၀၉-၄၀၂၂၇၉၀၄၄
24.	(1)To measure the power and Torque of motor (၁)မော်တာ၏ စွမ်းအင်နှင့် လည်အားကို တိုင်းတာခြင်း။	EP:MC-057 Power and Torque Measurement of Electric Motor	ဒေါ်စုမြတ်သန္တာဝင်း ၀၉-၉၆၂၃၉၃၂၃၂
25.	(1)To install the basic circuits as RLC series and parallel . (၁) အခြေခံပြိုင်ဆက်နှင့် တန်းဆက်များကိုတည်ဆောက်ခြင်း။ (2)To measure the value of voltage and current for each component from RLC series /parallel (၂) အခြေခံပြိုင်ဆက်နှင့် တန်းဆက်များမှဗို့အား နှင့်လျှပ်စီးအား တန်ဖိုးများကို တိုင်းတာခြင်း။	EP:EL-025 BASIC TECHNOLOGY TRAINER	
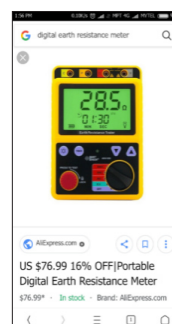
3.1.4 Environment

Serial No.	Area of Measurement	Equipment List	Contact Person
1.	Turbidity of water ရေ၏ညစ်ညမ်းမှုကိုတိုင်းတာ သိရှိခြင်း။	(CE) Turbidimeter, CIVM 20006	Daw Ei Ei Phyu 09 402702781 Daw Kyu Kyu Hmwe 09 400548408
2.	Physical and Chemical Properties of Water ရေ၏ဓာတုနှင့်ရူပဗေဒဂုဏ်သတ္တိသဘောတရား တို့ကိုတိုင်းတာသိရှိရန်။	(CE) Jar Test Kit, 3000914	Daw Ei Ei Phyu 09 402702781 Daw Kyu Kyu Hmwe 09 400548408
3.	Physical and Chemical Properties of Wastewater ရေဆိုးများ၏ဓာတုနှင့်ရူပ ဂုဏ်သတ္တိသဘောတရားတို့ကို တိုင်းတာသိရှိရန်။	(CE) Photometer Multi Direct	Daw Ei Ei Phyu 09 402702781 Daw Kyu Kyu Hmwe 09 400548408
4.	Chemical Oxygen Demand (COD) of Wastewater ရေဆိုးများ၏ Chemical Oxygen Demand (COD)ကို တိုင်းတာပေးခြင်း။	(CE) Digital COD Meter CIVM 20007(ISCO)	Daw Ei Ei Phyu 09 402702781 Daw Kyu Kyu Hmwe
5.	Biochemical Oxygen Demand (BOD) of Wastewater ရေဆိုးများ၏Biochemical Oxygen Demand (BOD) ကို တိုင်းတာပေးခြင်း။	(CE) BOD Analysis, CIVM 20008 (ISCO)(CE) Incubator	Daw Ei Ei Phyu 09 402702781 Daw Kyu Kyu Hmwe 09 400548408

Serial No.	Area of Measurement	Equipment List	Contact Person
6.	To measure water quality (chloride, nitrate, fluoride concentration of water)	(Chemistry) Colorimeter, SP-300, Japan	Dr. Myat Myat Mon Professor and Head, Department of Engg:Chemistry
7.	To measure water quality (pH of water)	(Chemistry) pH meter, Bench Top (WTW), Inolab-pH720, Germany	Dr. Myat Myat Mon Professor and Head Department of Engg:Chemistry
8.	To weight the sample ပစ္စည်းများ ချိန်တွယ်ရန်။	Electronic Precision Balance, BioTech	Dr. Ngu War Nwe
9.	To incubate the microorganism by giving required temperature and aeration အပူချိန်နှင့်လှုပ်ရှားမှုပေး၍ အဏုဇီဝပိုးမွေးမြူရန်။	Water bath shaker, BioTech	Dr. Ngu War Nwe
10.	field detector for DO,ORP, EC ရေအရည်အသွေးကွင်းဆင်းလေ့လာရန်။	Multiparameter, BioTech	Dr. Ngu War Nwe

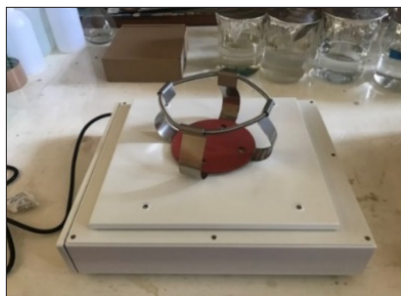| Serial No.	Area of Measurement	Equipment List	Contact Person
11.	Soil collector for bulk density မြေနမူနာကောက်ယူသော ပစ္စည်းများ။	Boxes for Bulk Density, BioTech	Dr. Ngu War Nwe
12.	Soil sampling Tools မြေနမူနာကောက်ယူသော ပစ္စည်းများ။	Bulk Density Soil Sampling Kit with Hammer, BioTech	Dr. Ngu War Nwe
13.	Heater အပူပေးစက်။	VWR Mini Block Heater, BioTech	Dr. Ngu War Nwe
14.	COD for water quality ရေအရည်အသွေးလေ့လာရန်။	Multiparameter Photometer with COD and pH, BioTech	Dr. Ngu War Nwe
15.	Digester in COD analyser ရေအရည်အသွေးလေ့လာရန်။	COD Reactor , BioTech	Dr. Ngu War Nwe

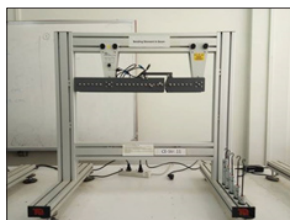| Serial No.	Area of Measurement	Equipment List	Contact Person
16.	BOD analyzer for water quality ရေအရည်အသွေးလေ့လာရန်။	BOD System (BD 600/606), BioTech	Dr. Ngu War Nwe
17.	Mini shaker for Soil Type မြေအမျိုးအစားခွဲခြားရန်လှုပ်ခါစက်။	VWR Minishaker, BioTech	Dr. Ngu War Nwe
18.	For precipitation အနည်ချစက်။	Bench Top High Speed Centrifuge, BioTech	Dr. Ngu War Nwe
19.	Use as dryer for labequipments (flask) Lab ပစ္စည်းများ အခြောက်ခံစက်။	Hot Air Oven, BioTech	Dr. Ngu War Nwe
20.	Automatic Tiltrotor for quantitative measurement	Automatic Potential Titrator, BioTech	Dr. Ngu War Nwe

Serial No.	Area of Measurement	Equipment List	Contact Person
21.	Heating units အပူပေးရန် မီးဖို။	VWR Mini Block Heater, BioTech	Dr. Ngu War Nwe
22.	Use for Soil type မြေဆီလွှာအမျိုးမျိုးတွင် အသုံးပြုရန်။	Mini Orbital Shaker, BioTech	Dr. Ngu War Nwe
23.	Use as sample storage ဓာတု၊ ဇီဝပစ္စည်းများ သိမ်းဆည်းရန်။	Refrigerator, BioTech	Dr. Ngu War Nwe

3.1.5 Material Science

Serial No.	Area of Measurement	Equipment List	Contact Person
1.	Deflection of simply supported beam or cantilever for steel and aluminum စတီးနှင့်အလူမီနီယံယက်မ၏ ကွေးညွတ်မှုကိုတိုင်းတာရန်။	(CE) Deflection Test	Dr Wai Mie Kyaw 09-254404276
2.	Shear force of beam ယက်မ၏ပြတ်ထွက်အားကို တိုင်းတာသိရှိရန်။	(CE) Shearing Test	Dr Wai Mie Kyaw 09-254404276
3.	Torsion of beam ယမ်မ၏လိမ်အားကို တိုင်းတာသိရှိနိုင်ရန်။	(CE) Torsion Test	Dr Wai Mie Kyaw 09-254404276
4.	Bending moment of beam ယက်မလည်ထွက်နှုန်းကို တိုင်းတာသိရှိစေရန်။	(CE) Bending Moment	Dr Wai Mie Kyaw 09-254404276
5.	Tensile Strength of material material ၏ဆွဲဆန့်အားကို တိုင်းတာသိရှိရန်။	(CE) Universal Testing Machine	Dr San Yu Khaing 09-43011552
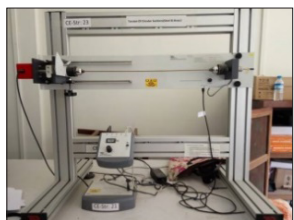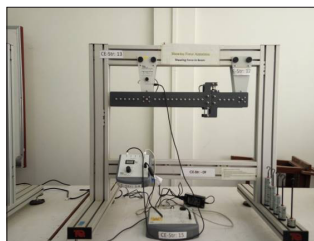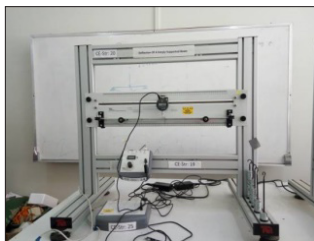
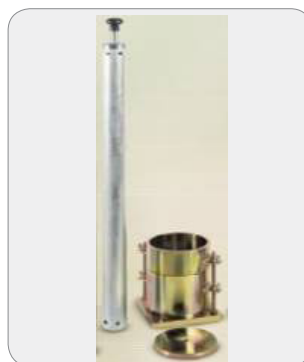| Serial No.	Area of Measurement	Equipment List	Contact Person
6.	To extrude undisturbed soil samples from sampling tubes used in the field bore holesbore holes မှရရှိသော နမူနာမြေကြီးကိုမူလပုံစံ အတိုင်း ပုံမပျက်ဆွဲထုတ်ရန်။	CE-Motorized hydraulic extruder	Dr. Kay Thwe Tun 09-2013394
7.	To determine shear strengths of soils in the laboratory မြေကြီး၏ shear ခံနိုင်အားကို တိုင်းတာသိရှိ စေရန်။	CE- Laboratory vane apparatus and sampling tube attachment	Dr. Kay Thwe Tun 09-2013394
8.	To perform direct and residual shear tests with forward and reverse cycles at constant rate of displacement ပုံသေအရွေ့ပေး၍ direct and residual shear ခံနိုင်အားကိုတိုင်းတာ သိရှိစေရန်။	CE- Direct and residual automatic shear apparatus	Dr. Kay Thwe Tun 09-2013394
9.	To determine the shear strength of soil မြေကြီး၏shear ခံနိုင်အားကို တိုင်းတာသိရှိစေရန်။	CE- Triaxial Load Frame	Dr. Kay Thwe Tun 09-2013394
10.	To determine the penetration pressure q_c ဖိအားခံနိုင်ရည်အားကို သိရှိရန်	CE- Load ring penetrometer	Dr. Kay Thwe Tun 09-2013394

Serial No.	Area of Measurement	Equipment List	Contact Person
11.	To prepare soil samples in preparation for the Proctor and CBR tests according to the International Standards CBR tests ကိုအသုံးပြု၍ မြေဆီလွှာ၏ခံနိုင်ဝန်ကို စမ်းသပ်ရန်။	CE- Universal Proctor/CBR Automatic Compactor	Dr. Kay Thwe Tun 09-2013394
12.	To determine California bearing ratio of the soil မြေကြီး၏ California bearing ratio CBR ကို တိုင်းတာရန်။	CE- CBR mechanical loading frame 50 kN capacity	Dr. Kay Thwe Tun 09-2013394
13.	To determine the bearing capacity of soils through the in-situ application of a uniform increasing pressure on a trial foundation formed by a circular plate and the determination of the resultant settlement မြေကြီး၏ bearing capacity နှင့်မြေကြီး၏ ကျွံကျမှုရလဒ်ကို တိုင်းတာသိရှိရန်။	CE- Plate bearing test apparatus	Dr. Kay Thwe Tun 09-2013394
14.	To determine the coefficient of permeability of sands သဲ၏ရေစိမ့်ဝင်နိုင်စွမ်းကို သိရှိရန်။	CE- DIRECT PERMEABILITY TESTS FALLING HEAD METHOD	Dr. Kay Thwe Tun 09-2013394
15.	To agitate a plastic cylinder containing about 500 g of sand a quantity of liquid plastic cylinder ထဲတွင် သဲ ၅၀၀ဂရမ်ထည့်၍ လှုပ်ကြည့်သောအခါ ထွက်လာသောရေပမာဏကို တိုင်းတာရန်။	CE- Motorized sand equivalent shaker	Dr. Kay Thwe Tun 09-2013394

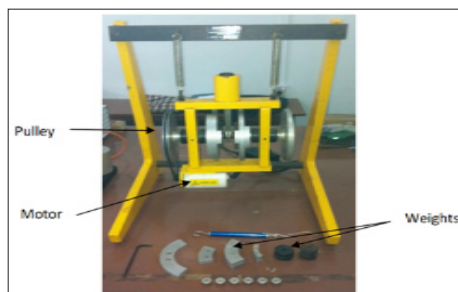| Serial No.	Area of Measurement	Equipment List	Contact Person
16.	To determine liquid limit of the soil မြေကြီး၏ liquid limit ကိုတိုင်းတာရန်။	CE- Liquid Limit Devices	Dr. Kay Thwe Tun 09-2013394
17.	To determine particle size distribution of the soil smaller than 0.075 mm in Diameter0.075 mm in Diameter အောက်ငယ်သော မြေကြီး၏ မြေမှုန်အရွယ်အစားပျံ့နှံ့မှုကို တိုင်းတာသိရှိရန်။	CE- Hydrometer	Dr. Kay Thwe Tun 09-2013394
18.	To determine particle size distribution of the soil larger than 0.075 mm in diameter 0.075 mm in Diameter ထက်ကြီးသော မြေကြီး၏ မြေမှုန်အရွယ်အစား ပျံ့နှံ့မှုကိုတိုင်းတာသိရှိရန်။	CE- Sieve Shaker	Dr. Kay Thwe Tun 09-2013394
19.	To determine CBR values of the soil မြေကြီး၏ California bearing ratio CBR တန်ဖိုးကို တိုင်းတာရန်။	CE- CBR mould and hammer	Dr. Kay Thwe Tun 09-2013394
20.	To determine maximum dry density and optimum moisture content အများဆုံးခြောက်သွေ့သိပ်သည်းဆနှင့် အမြင့်ဆုံးအစိုဓာတ် ပါဝင်မှုကို တိုင်းတာရန်။	CE- Compaction mould and hammers	Dr. Kay Thwe Tun 09-2013394

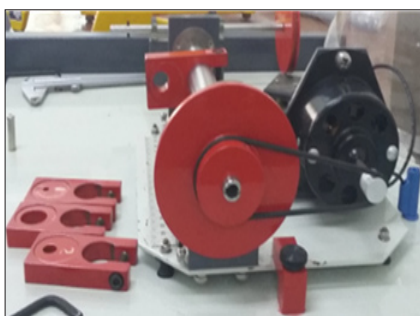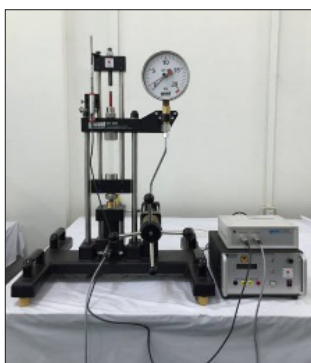| Serial No.	Area of Measurement	Equipment List	Contact Person
21.	Specific gravity of Portland Cement Portland ဘိလပ်မြေ၏ စေးကပ်မှုကို တိုင်းတာရန်။	CE-100ml bottle of Kerosene free from water	Daw Hnin Nwe Aye
22.	Fineness of Portland Cement Portland ဘိလပ်မြေ၏ နူညက်မှုကိုတိုင်းတာရန်။	CE-ASTM No. 200 Seive, Pot and Cover	Daw Hnin NweAye
23.	Specific gravity of fine and coarse aggregate ကျောက်သေးနှင့် ကျောက်ကြီး၏ Specific gravityကို တိုင်းတာရန်။	CE-Graduatedbflask, balance and weight	Daw Hnin Nwe Aye
24.	Sieve analysis of fine and coarse aggregate ကျောက်သေးနှင့်ကျောက်ကြီးကို ဆန်ခါဖြင့်ခွဲထုတ်ခြင်း။	CE-ASTM- $1\frac{1}{2}$", 1",3/4",3/8",4 Pan (Coarse aggregate) CE-ASTM 10,20,40,60,100,140 Pan (Fine aggregate)	Daw Hnin Nwe Aye
25.	Normal consistency of Portland Cement Portland ဘိလပ်မြေ၏ Normal consistency ကိုတိုင်းတာသိရှိရန်။ Setting time of Portland Cement Portland ဘိလပ်မြေ၏အိပ်ချိန်ကို တိုင်းတာသိရှိရန်။	CE-Vicat Plunger CE-Vicat Appratus & Mould	Daw Hnin Nwe Aye

Serial No.	Area of Measurement	Equipment List	Contact Person
26.	Soundness of Portland Cement Portland ဘိလပ်မြေ၏ ကောင်းမွန်မှုကိုတိုင်းတာသိရှိရန်။	CE-Le Chatelier's Mould	Daw Hnin Nwe Aye
27.	Compression strength of concrete ကွန်ကရစ်၏ဖိအားခံနိုင်စွမ်းကို တိုင်းတာသိရှိရန်။	CE-Compressin testing machine	Daw Hnin Nwe Aye
28.	Slump of concrete ကွန်ကရစ်၏ အိကျမှုကို တိုင်းတာသိရှိရန်။	CE-Slump testing appratus	Daw Hnin Nwe Aye
29.	အရာဝတ္ထုများ၏ မျှခြေအနေအထားကို စမ်းသပ်နိုင်ခြင်း။ to analyze how masses are unbalanced and balance adjusting degree and length from different plane	ME: Rotating Balancing Tester	Dr. Myint Thein 09-40253 4024

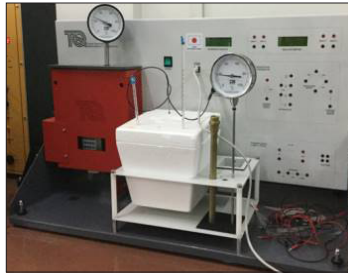| Serial No.	Area of Measurement	Equipment List	Contact Person
31.	ဂီယာ၏အလျှင်ကို တွက်ချက်နိုင်ခြင်း to calculate the velocity ratio of gear	ME: Reciprocating Balancing Tester Epicyclic Gear Train	Dr.Myint Thein 09-402534024
32.	1. To define the fatigue endurance limit or fatigue life and fatigue strength of the materials 2.To construct an S-N curve (stress level-number of cycles to failure) of the test samples provided ၁။ materials များရဲ့လက်ခံနိုင်သော Fatigue သက်တမ်းနှင့် Fatigue ပမာဏသိရှိနိုင်ရန်။ ၂။ စမ်းသပ်သော materials များရဲ့ stress တန်ဖိုးအမျိုးမျိုးနှင့် ကျိုးသည့်အထိ လှည့်ပတ်မည့် အပတ်ရေအရေအတွက်ကိုပြသော curve ကို တည် ဆောက်နိုင်ရန်။	ME: Fatigue Testing Machine	Dr.Myint Thein 09-402534024
33.	A specimen is subjected tensile or compressive force gradually until broken and record the elongation or contraction length, and calculate modulus of elasticity A specimen is applied twisting moment gradually and record angle of twist, calculate modulus of rigidity စမ်းသပ်သည့်ပစ္စည်းအားဆွဲအား သို့မဟုတ်ဖိအားများ ကိုကျိုးပြတ်သည်အထိ တဖြည်းဖြည်းချင်းတိုးပေး ပြီး ရှည်ထွက်လည်သည့် အလျားကိုတိုင်းတာ၍ဆွဲအား သို့မဟုတ် ဖိအားခံနိုင်ရည်ကို တွက်ချက်ရာတွင် အသုံးပြုပါသည်။	ME: Universal Tensile Testing Machine	Dr.Myint Thein 09-402534024
34.	Static and Dynamic Stability of floating body ရေယာဉ်တစ်စီးကဲ့သို့ ရေတွင်ပေါ်လောပေါ်နေသော အရာဝတ္ထုများ တည်ငြိမ်တည့်မတ်စွာဖြင့် ဘေး အန္တရာယ်ကင်းရှင်းစွာ ရေပေါ်တွင် ရွှေ့လျားမှုရှိစေရန် လေ့လာဆောင်ရွက်ခြင်း။	ME: Buoyancy of Floating Body	Dr.Myint Thein 09-402534024
35.	To Measure convection and radiation Heat transfer coefficient for natural and force convection အပူကူးပြောင်းခြင်းဆိုင်ရာကို နားလည်ပြီး Heat transfer coefficient ကို တိုင်း တာပေးနိုင်သည်။	ME: Combined Radiation and Convection Heat Transfer Unit	Dr. Win Pa Pa Myo 09-792505105

Serial No.	Area of Measurement	Equipment List	Contact Person
36.	To Measure convection and radiation Heat transfer coefficient for natural and force convection အပူကူး ပြောင်းခြင်းဆိုင်ရာကို နားလည်ပြီး Heat transfer coefficient ကို တိုင်းတာပေးနိုင်သည်။	ME: Small Engine Test Bed	Dr. Win Pa Pa Myo 09-792505105
37.	To Measure the Specific Fuel Consumption of SI engine အင်ဂျင်တစ်ခု၏ဆီစားနှုန်းကို တိုင်းတာပေးသောပစ္စည်း ဖြင့် တစ်နာရီတွင် ဆီစားနှုန်းမည်မျှရှိသည်ကို တိုင်းတာနိုင်ပါ သည်။	ME: Air-conditioning Lab Unit	Dr. Win Pa Pa Myo 09-792505105
38.	To understand the concept of separation method and humidity and dehumidify of air conditioning system အအေးပေးစနစ်တွင်ပါရှိသော ရေငွေ့ကို တိုင်းတာပေးခြင်းနှင့် အအေးပေးစနစ်၏သဘောသဘာဝကို နားလည်စေရန် အသုံးပြု သောပစ္စည်းဖြစ်ပါသည်။	ME: Refrigeration Trainer Unit	Dr. Win Pa Pa Myo 09-792505105
39.	To understand the operation of refrigeration system အအေးပေးစနစ်တစ်ခုလုံး၏ လုပ်ဆောင်ပုံကို နားလည်စေရန် ပြသပေးသော ပစ္စည်းဖြစ်ပါသည်။	ME: Temperature Measurement Trainer Unit	Dr. Win Pa Pa Myo 09-792505105

40.	To understand the temperature measurement device အပူချိန်ကို ကိရိယာအမျိုးမျိုးဖြင့် တိုင်းတာနိုင်သည်ကို ပြသပေး သော ပစ္စည်းဖြစ်ပါသည်။	ME: Bomb Calorimeter	Dr. Win Pa Pa Myo 09-792505105
41.	To understand the operation of axial flow gas turbine axial flow gas turbine ၏လုပ်ဆောင်ပုံစနစ်ကို နားလည်စေရန်နှင့် ဆီကုန်ကျမှုအခြေအနေကို ပြသပေးသော ပစ္စည်းဖြစ်ပါသည်။	ME: Computer Control Gas Turbine	Dr. Win Pa Pa Myo 09-792505105
42.	To understand the operation of the thermoelectric heat pump thermoelectric heat pump ၏ လုပ်ဆောင်ချက်ကို နားလည်စေရန်နှင့် အသုံးပြုတတ်စေရန် ပြသပေးသောပစ္စည်း ဖြစ်ပါသည်။	ME: Thermoelectric Heat Pump	Dr. Win Pa Pa Myo 09-792505105

3.1.6 ICT Services

Serial No.	Area of Measurement	Equipment List	Contact Person
1.	Servering and Mapping Satellite image များကို download ပြုလုပ်၍ မြေပုံများ ထုတ်ပေးခြင်း။	RS:Client Server RS: Wide mapper	ဒေါက်တာဇင်မာလွင် ပါမောက္ခ၊ ဌာနမှူး Remote Sensing ဌာန

3.1.7 Design, Analysis and Estimation

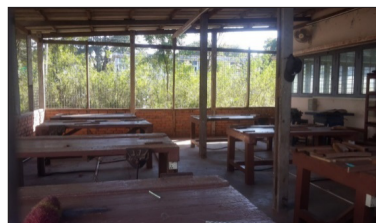| Serial No.	Area of Measurement	Equipment List	Contact Person
1.	Structrual Design and Analysis for Steel and R.C Building စတီးနှင့်ကွန်ကရစ် အဆောက်အဦ၏ တည်ဆောက်ပုံကိုဒီဇိုင်းရေးဆွဲရန်။	(CE) Structrual Design and Analysis (E-Tabs, Sap 2000, ANSYS software	Dr San Yu Khaing 09-43011552 Dr. Thet Mon Soe Dr. Nay Yee Kyaw
2.	To measure the horizontal direction of points Survey တိုင်းတာရာတွင် အမှတ်တစ်ခု၏ ရေပြင်ညီလားရာကို တိုင်းတာရန်။	CE-Compass	Daw Kyi Kyi Thein 09-798294348
3..	To measure the horizontal, vertical distance and elevation of points Survey တိုင်းတာရာတွင် အမှတ်တစ်ခု၏ရေပြင်ညီဒေါင်လိုက်၊ အကွာအဝေးနှင့်အမြင့်ကို တိုင်းတာရန်။	CE-Level CE-Digital Theodolite	Daw Kyi Kyi Thein 09-798294348
4.	To estimate PAE and CCE costs for building and road အဆောက်အဦနှင့်လမ်း၏ ကုန်ကျစရိတ်ကို တွက်ချက်ရန်။	(CE) Bill of Quantity and Estimation	Dr Khin Su Su Wai 09-43142332
5.	အဆောက်အဦ၏တည်ဆောက်ပုံနှင့် ဗိသုကာဒီဇိုင်းရေးဆွဲရန်။	Drawing for Structural and Architectural Design of Building	Dr. Thae Mon Zaw 09-262424208 Daw Zin May Htun 09-429571149

6.	To produce the small scale model by using the acetylene plastic ပုံစံငယ်အမျိုးမျိုးကို Model ပုံထုတ်ပြီး ပလပ်စတစ်ကုန်ကြမ်းကို အသုံးပြု၍ ပုံစံတူပစ္စည်းကို ထုတ်ပေးနိုင်သည့်စက်။	ME: Scoovo X9 3D printer	Dr. Khin Soe New 09-402792672
7.	To measure the gear dimensions (angle, length) ဂီယာသွား၏ ထောင့်၊ အထူ၊ အလျား၊ အနံ အမြင့်တို့ကို တိကျစွာ တိုင်းတာပေးနိုင်သည့် စက်ဖြစ်ပါသည်။	ME: Microscope	Dr. Ei Ei Htwe 09 - 2044863

Serial No.	Area of Measurement	Equipment List	Contact Person
8.	(1)Topographic Survey, (2)Road Survey (3)Mine Surveying (4)Mine Design	Total Station, Theodolite, GPS, Compass	Dr. Myo Min Lwin 09-402644320 Sayarmyo02@ gmail.com
9.	အဝိုင်းပုံသံနှင့်မာသော materials များကို ခုတ်စားခြင်း၊ အပေါက်ဖောက်ခြင်း၊ မျက်နှာပြင် ညီညာအောင်ပြုလုပ်ခြင်း၊ အရစ်ရစ်ခြင်း၊ ဖြတ်ခြင်းတို့အတွက် အသုံးပြုနိုင်ပါသည်။	ME (Workshop): Lathe machine	U San Min Oo 09-440056521

10.	စတီး၊ သံပန်း၊ သံတံခါး၊ သံအမျိုးမျိုးကို ပုံပေါ်စေရန် ဂဟေဆက်ခြင်းတို့ ပြုလုပ်နိုင်ပါသည်။	ME (Workshop): Portable welding machine	U San Min Oo 09-440056521
11.	စတီး၊ သံပန်း၊ သံတံခါး၊ သံအမျိုးမျိုးကို ပုံပေါ်စေရန် ဂဟေဆက်ခြင်းတို့ ပြုလုပ်နိုင်ပါသည်။	ME (Workshop): Welding machine	U San Min Oo 09-440056521
12.	သံထည်များ တိုက်စားနိုင်ခြင်း၊ ဖြတ်တောက်ခြင်း၊ နံပါတ်များမှတ်နိုင်ခြင်း။	ME (Workshop): Fitting Room	U San Min Oo 09-440056521
13.	သစ်သားဖြင့် ပုံအမျိုးမျိုးပြုလုပ်နိုင်သော လက်သမားခန်းရှိခြင်း။	ME (Workshop): Carpentry Room	U San Min Oo 09-440056521
14.	သံထည်အမျိုးမျိုး ထုရိုက်ပုံသွင်းနိုင်သော ပန်းပဲခန်းရှိခြင်း။	ME (Workshop): Blacksmith Room	U San Min Oo 09-440056521
15.	သံနှင့်မာသော materials များကို မျက်နှာပြင် ညီညာအောင်ပြုလုပ်ပေးနိုင်ခြင်း။	ME (Workshop): Grinding Machine	U San Min Oo 09-440056521

Serial No.	Area of Measurement	Equipment List	Contact Person
16.	သံနှင့်မာသော materials များကို ခုတ်စားခြင်း၊ အပေါက်ဖောက်ခြင်း၊ မျက်နှာပြင်ညီညာအောင်ပြုလုပ်ခြင်း၊ အရစ်ရစ်ခြင်း၊ ဖြတ်ခြင်းတို့အတွက် အသုံးပြုနိုင်ပါသည်။	ME (Workshop): Bench Milling machine	U San Min Oo 09-440056521
17.	သံနှင့်မာသော materials များကို အပေါက်ဖောက်ခြင်း၊ အရစ်ရစ်ခြင်းတို့အတွက် အသုံးပြုနိုင်ပါသည်။	ME (Workshop): Boring machine	U San Min Oo 09-440056521

18.	သစ်သားများကို မျက်နှာပြင်ညီညာအောင် ပြုလုပ်ပေး နိုင်သော ရွှေပေါ်စက်များရှိခြင်း။	ME (Workshop): Planning machines	U San Min Oo 09-440056521
19.	သံနှင့်မသော materials ကိုခုတ်စားခြင်း၊ အပေါက်ဖောက်ခြင်း၊ မျက်နှာပြင်ညီညာအောင်ပြုလုပ်ခြင်း၊ အရစ်ရစ်ခြင်းတို့ကို computer နှင့်တွဲဖက်ပြီးအသုံးပြုနိုင်ပါသည်။	ME (Workshop): CNC lathe machine	U San Min Oo 09-440056521
20.	သံနှင့်မသော materials များကိုအတွင်း keyway အပြင် keyway တို့အတွက် အသုံးပြုနိုင်ပါသည်။	ME (Workshop): Slotting machine	U San Min Oo 09-440056521

Serial No.	Area of Measurement	Equipment List	Contact Person
21.	သံနှင့်မသော materials များကို ခုတ်စားခြင်း၊ အပေါက်ဖောက်ခြင်း၊ မျက်နှာပြင်ညီညာအောင် ပြုလုပ်ခြင်းတို့ကို အသုံးပြုနိုင်ပါသည်။	ME (Workshop): Shaper machine	U San Min Oo 09-440056521
22.	သံနှင့်မသော materials များကို ခုတ်စားခြင်း အပေါက်ဖောက်ခြင်း၊ မျက်နှာပြင်ညီညာအောင်ပြုလုပ်ခြင်း၊ ဖြတ်ခြင်းတို့ကို အသုံးပြုနိုင်ပါသည်။	ME (Workshop): Universal Milling machine	U San Min Oo 09-440056521

23.	Antenna ကြိုးကောင်း မကောင်း စမ်းသပ်နိုင်ခြင်း။ Return Loss,Antenna gain,VSWR(Voltage Standing Wave Ratio) များတိုင်းတာနိုင်ခြင်း။ Signal Power,Bandwidth များစမ်းသပ်တိုင်းတာနိုင်ခြင်း။ Radiation Effet များတိုင်းတာနိုင်ခြင်း။	EC: RF analyzer	Dr.Win Zaw Hein 09-422855844
24.	To make a 3D model design	Archi: Dremel Ultra Saw	Daw Khet Su Htwe Demonstrator
25.	To make a 3D model design	Archi: Dremel 4000	Daw Khet Su Htwe Demonstrator
26.	To make a 3D model design	Archi: Semprox Grinder Stand	Daw Khet Su Htwe Demonstrator

Serial No.	Area of Measurement	Equipment List	Contact Person
27.	For presentation in research work and design project	Archi: HP Design Jet Plotter	Dr.Yin Min Paik Professor Department of Architecture
28.	To measure the distance in indoor area	Archi: Distometer	Daw Mary Oo Demonstrator Department of Architecture
29.	To get the location for urban and landscape project	Archi: GPS	Daw Mary Oo Demonstrator Department of Architecture
30.	To measure the all dimension in outdoor area	Archi: Total Station	Dr.Yin Min Paik Professor Department of Architecture

3.1.8 Others

Serial No.	Area of Measurement	Equipment List	Contact Person
1.	To use for sterilization method အာဟာရပြင်ပေါင်းခံပိုးသတ်ရန်။	Autoclave, BioTech	common use
2.	To investigate the bacterial cells and their structure အဏုဇီဝပိုးများ၏ ဇီဝရုပ်သွင်လေ့လာကြည့်ရှုရန်။	Microscope, BioTech	common use
3.	To use for aseptic culture for Microbes အဏုဇီဝပိုးများ ကိုင်တွယ်ရာတွင် ပတ်ဝန်းကျင်နှင့်လူသို့ကူးစက် ပြန့်နှံ့မှုမရှိစေရန် စီမံထားသောနေရာ။	Biosafety Cabinet Level, BioTech	common use
4.	To weight the chemicals and Media အာဟာရပြင် ပါဝင်သောဓာတုပစ္စည်းများချိန်တွယ်ရန်။	Analytical balance, BioTech	common use
5.	To sterile and dry for glassware and others Lab ပစ္စည်းများ အခြောက်ခံစက်။	Oven, BioTech	common use
6.	To keep the bacterial isolates (culture plate and test tube) မွေးမြူထားသော Culture Cells Plates များသိမ်းဆည်းရန်။	Refrigerator, BioTech	common use
7.	To prepare the nutrient medium for microbial culture အဏုဇီဝပိုးများမွေးမြူရန် အာဟာရပြင်တွင် ပါဝင်သော ပစ္စည်းများ တစ်သားတည်း တည်ရှိနိုင်ရေးအတွက်အပူပေးမွှေရန်။	Magnetic stirrer with hot plate, BioTech	common use

Serial No.	Area of Measurement	Equipment List	Contact Person
8.	To make bacteria pellet from supernatant Bacterial Cells (Dewatering) Centrifugation နည်းကိုအသုံးပြု၍ အဏုဇီဝပိုးများ အားခွဲထုတ်ရန်။	centrifuge, BioTech	common use
9.	Culture Cells Plates ပေါင်းခံပိုးသတ်ရန်။	Autoclave, BioTech	Dr. Tin TinHla Dr.Thaw Thaw Han
10.	To freeze the microbial culture for storage မွေးမြူထားသော Culture Cells Plates များ သိမ်းဆည်းရန်	Refrigerator, BioTech	Dr. Tin Tin Hla Dr. Thaw Thaw Han
11.	အပူချိန်နှင့် လှုပ်ရှားမှုပေး၍ အဏုဇီဝပိုးမွေးမြူရန်။	Water bath shaker, BioTech	Dr. Tin Tin Hla Dr. Thaw Thaw Han
12.	To culture the microbes အဏုဇီဝပိုးမွေးမြူရန်။	Incubator, BioTech	Dr. Tin Tin Hla Dr. Thaw Thaw Han
13.	To use for aseptic culture for Microbes အဏုဇီဝပိုးများ ကိုင်တွယ်ရာတွင် ပတ်ဝန်းကျင်နှင့် လူသို့ကူး စက်ပြန့်နှံမှုမရှိစေရန် စီမံထားသောနေရာ	Biosafety Cabinet Level, BioTech	Dr. Tin Tin Hla Dr. Thaw Thaw Han
14.	Culture Cells Plates ပေါင်းခံပိုးသတ်ရန်။	Autoclave, BioTech	Dr. OhmarTun

Serial No.	Area of Measurement	Equipment List	Contact Person
15.	To make ice ရေခဲအမှန်ပြုလုပ်သောစက်	Ice maker, Bio	Dr. OhmarTun
16.	To harmonize the ingredients of medium အာဟာရပြင်တွင်ပါဝင်သော ပစ္စည်းများ တစ်သားတည်းတည်ရှိနိုင်ရေး အတွက်အပူပေးမွှေရန်	Magnetic stirrer, BioTech	Dr. Ohmar Tun
17.	To culture microorganisms အဏုဇီဝပိုးများ ကိုင်တွယ်ရာတွင် ပတ်ဝန်းကျင်နှင့် လူသို့ကူးစက်ပြန့်နှံ့မှုမရှိစေရန် စီမံထားသောနေရာ	Biosafety Cabinet Level, BioTech	Dr. Ohmar Tun
18.	To freeze the bacterial culture for storage မွေးမြူထားသော Culture Cells Plates များသိမ်းဆည်းရန်	Refrigerator, BioTech	Dr. Thein Zaw Oo
19.	To sterile glass wares, Culture Cells Plates Lab ပစ္စည်းများ ပေါင်းခံပိုးသတ်ရန်	Autoclave, BioTech	Dr. Thein Zaw Oo
20.	To weight the ingredients အာဟာရပြင်တွင် ပါဝင်သောပစ္စည်းများ ချိန်တွယ်ရန်	Analytical balance, BioTech	Dr. Hnin Hnin Htun
21.	To investigate algae cells and their structure အဏုဇီဝပိုးများ၏ ဇီဝရုပ်သွင်လေ့လာကြည့်ရှုရန်	Microscope, BioTech	Dr. Hnin Hnin Htun
22.	To culture algae လိုအပ်သောအခြေအနေများပေး၍ Algae မွေးမြူရန်	GrowthIncubator, BioTech	Dr. Hnin Hnin Htun
23.	To freeze the bacterial culture for storage မွေးမြူထားသော Culture Cells Plates များ သိမ်းဆည်းရန်	Refrigerator, BioTech	Dr. Hnin Hnin Htun

Serial No.	Area of Measurement	Equipment List	Contact Person
24.	For aeration လေမှုတ်စက်	Blower	Dr. Hnin Hnin Htun
25.	To investigate the parasites and their structure ကပ်ပါးကောင်များအား လေ့လာရန်	Microscope, BioTech	Dr. Sandar Win
26.	To store the traditional extract and chemical ဓာတု၊ ဇီဝပစ္စည်းများ သိမ်းဆည်းရန်	Refrigerator, BioTech	Dr. Sandar Win
27.	To harmonize the ingredients of medium အာဟာရပြင်တွင် ပါဝင်သောပစ္စည်းများ တစ်သားတည်း တည်ရှိနိုင်ရေးအတွက် အပူပေးမွှေရန်	Magnetic stirrer, BioTech	Dr. Sandar Win
28.	To optimize and operate fermentation processes of microorganisms.To produce secondary metabolites of fermentation processes အဏုဇီဝပိုးများမွေးမြူရန်နှင့် ၄င်း၏ဇီဝကမ္မပစ္စည်းများ ထုတ်လုပ်မှုအား လေ့လာရန်	Fermenter, BioTech	Dr. Reemon Htun

29.	To detect spectrometry of different solutions အရည်များ၏ မတူညီသောအလင်းဆိုင်ရာ ဂုဏ်သတ္တိများအား တိုင်းတာရန်	UV- vis, BioTech	Dr. Reemon Htun
30.	To operate freeze drying and long-term storage of microorganism အဏုဇီဝပိုးများကြာရှည်စွာ ထိမ်းသိမ်းထားရန်	Lyophilizer, BioTech	Dr. Reemon Htun
31.	To check microorganisms with digital display-microscope အဏုဇီဝပိုးများ၏ ဇီဝရုပ်သွင်လေ့လာကြည့်ရှုရန်	LCD-icroscope (Fungus), BioTech	Dr. Reemon Htun

HUMAN RESOURCE TRAINING

&

SERVICES

လူစွမ်းအားအရင်းအမြစ်

ဖွံ့ဖြိုးမှုဆိုင်ရာသင်တန်းများ
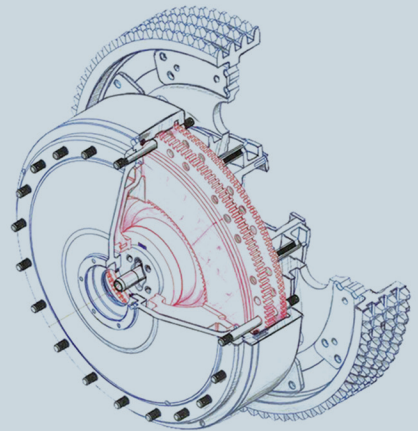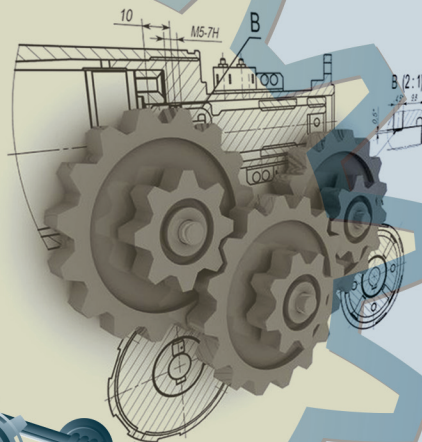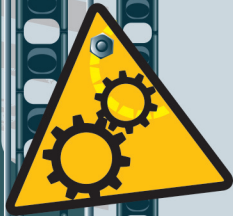
ဖွင့်လှစ်မည့်သင်တန်းကြီးများကြီးမြို့၍ပြင်ဆင်ထားသောသင်တန်းများ

	Department	Certificate Title	Contents	Level	Trainer	Accepted Participant List	Time Period	Required Facilities	Training Fees (MMK)
1.	Civil Engineering	Computer Application on Analysis and Design of Structures	- Structural Analysis on Reinforced Concrete Building - Design consideration on R.C Structures	Intermediate	Dr San Yu Khaing	30	30 hr (3 hr per day)	- Computer Room with 30 nos: of PC (i5) - Projector	50000
		Quantity Surveying	1.Contracting and Estimating 2.Estimating using Microsoft excel (Reinforced Concrete Building, Steel Structure) I. Detailed Measurement II. Builder's Estimate III. Bill of Quality IV. Abstract of Cost V. Summary	Intermediate	Dr Khin Su Su Wai	30	30 hr (3 hr per day)	- Computer Room with 30 nos: - Projector	50000
		Solid Waste management	Sanitary Landfill Compositing Energy Recovery Incineration	Intermediate	Daw Aye Aye Thant Dr Shwe SinPhyo Dr Yin Yin Htwe Daw Ei Ei Phyu Daw Kyu Kyu Hmwe	20	30 hr (3 hr per day)	- Computer Room with 20 nos- Projector	50000

No.	Field	Course	Course Content	Level	Instructor	No. of Trainees	Duration	Facilities	Fee
		Auto CAD (2D and 3D)	- Introduction to Auto CAD 2016 - 2D Basic Drawing - 2D Advance Drawing - Text, Dimension and Layout - 3D Basic Drawing - 3D Assembly Drawing	Intermediate	Dr. Aung Myat San U Tin Min Oo	15 (max) 10 (min)	48 hr 3hr/day	-Computer Room with 15 nos: of PC (i5) - Projector	100,000
		Programmable Logic Controller (PLC)	- Introduction to PLC Programming - The data processing of inputs and outputs by PLC - Interfacing the PLC and I/O devices - Basic programming language of the PLC	Basic	Daw Wai Phyo Ei Daw YaminThuzar	15 (max) 10 (min)	36 hr 3:00 hr/day	-Computer Room with 15 nos: of PC (i5) - Projector	80,000
2.	Mechatronic Engineering	Introduction to Computer Vision and OpenCV	- Introduction to Computer Vision - Introduction to OpenCV - Capturing the real time image from a camera - Conversion from image to image - Conversion from image to feature (eg. Finding lines, circles, or other simple form in an image) - Construction of 3D model from feature points in an image	Intermediate	Dr. Yin Yin Aye Dr.Su Yadanar	20 (max) 7 (min)	48 hr 3:00 hr/day		80,000

No.	Department	Course	Course contents	Level	Instructor	No. of trainees	Duration	Requirements	Fee
3.	Mechanical Engineering	AutoCAD	Computer Aided Machine Drawing ▪ 2D Design ▪ 3D Solid Modeling ▪ CAM Programming	Basic and Intermediate	(1) Dr. Ei Ei Htwe (2) Dr. Aung Myat Thu	30	30 hr (2hr per day)	Computer Room with 30 nos: of PC	50000 80000
		COMSOL	Heat transfer for ▪ Steady state condition 1-D, 2-D ▪ Transient condition 1-D, 2-D ▪ Unsteady state condition	Intermediate	Dr. Nyein Aye San				
		Matlab	Elementary Mechanics using MATLAB Programming ▪ Fundamental of MATLAB Programming ▪ Motion in 1-D, 2-D and 3-D ▪ Forces in 1-D, 2-D and 3-D	Intermediate	Dr. Khin Soe Nwe	20	30hr (3hr per day)	20 PC	80000
		Computational Fluid Dynamics	Application on ANSYS-CFD-CFX Training ▪ Flow (Internal and external flow) ▪ Pipe flow, flow around body ▪ Aerodynamic analysis, steady and unsteady flow analysis (turbomachinery, pump, fan, wind turbine, hydro turbine, compressor)	Basic and Intermediate	Dr. War War Min Swe	15	One and half month	Computer Room with 15 nos: of PC and one Projector	80000

No.	Department	Course	Content	Level	Instructor	No.	Duration	Equipment	Fee
4.	Electronic Engineering	C# Programming	-Fundamentals/ -OOP concepts -windows Form application with SQL server database -Projects	Intermediate	Dr. Kyaw Zin Lat	20	2hr/ weekends (2 months)	20 PC	120000
		Microcontroller Training Course	Digital and analog Sensing, Various motor control, Serial and wireless communication, C# and android based MCU application		Dr.Zaw Min Min Htun, U Naing Aung Soe	20	80 hours	Osilloscope Arduino PIC 16F887 Kit 2/3 DC motros Servo motors Stepper motors L298 driver LCD 16x2 DHT 11 Ds18B20 Ds1307 SD card module Bluetooth module Node MCU HC 12	300000
5.	Chemical Mining Biotechnology	Environmental Impact Assessment (EIA) Training			Chemical Engineering Departmenet Mining Engineering Department Biotechnology Department	40	1 month (7 hr/day)		100000

No.	Field	Course	Syllabus/Reference	Level	Department	No.	Duration	Requirement	Fee
6.	Biotechnology	Microbiology Training on Food Processing and Safety	-	Intermediate	Department of Biotechnology	30	one month (7 hours per day)	Food Processing Lab and Microbiology Lab	100,000
		Diploma in Environmental Impact Assessment (EIA) Training	Environmental Impact Assessment (Second Edition, Larry W. Canter)	Intermediate	Chemical Engg., Biotechnology and Mining Engg; Depts	30	one year (two semesters)	Field survey and Industrial Basic	250,000
		Diploma in Biotechnology	Microbiology Cell Biology Biochemistry Fermentation Technology Food Processing Plant Tissue Culture	Intermediate	Department of Biotechnology	30	one year (two semesters)	Microbiology Lab and Food Processing Lab	250,000
		Diploma in Environmental Engineering		Intermediate	Department of Biotechnology and Civil Engineering	20	one year (two semesters)	-	250,000
		Food Technology	-	Intermediate	Department of Biotechnology and Chemical Engineering	30	one year (two semesters)	-	250,000

No.	Department	Course	Topics	Level	Teachers	Students	Duration	Equipment	Fees
7.	Remote Sensing	Short Course in Remote Sensing and GIS		Basic	Dr. Zin Mar Lwin Daw Aye Mya Thein U Kyaw San Daw Paing Nyo Nyo Thinn Daw Myint Myint Sein	30	1 Month	30 PC	50000
		Short Course in Google Earth, GPS and GIS		Certificate	Dr. Zin Mar Lwin	30	2 weeks	30 PC	30000
		P.G Diploma Course in Remote Sensing and GIS		Diploma	Dr. Zin Mar Lwin	30	9 Months (Weekends Only)	30 PC	150000
8.	Electrical Power Engineering	Renewable Energy Technology	- Solar - Wind -Hydro Electrification System (minigrid)	Basic	Dr. Wunna Swe Dr.Lae Yin Win Dr.Aye Myat Thin Daw Thin ThinLwin Daw Ei Ei Phyo Daw Myint Myint Thwe	30	45 hr (3 hr per day)	- Projector -Lecturer Room -Practical Room	50000
		Industrial Motor Control	-1.Relay Control -2.PLC Control	Basic	U Thet Naing Tun U Zaw Htet Myint U Zaw Win Paing Daw Su Myat Thandar Win Daw San Naing Nan Zi	15	30 hr (3 hr per day)	- Projector -Lecturer Room -Practical Room with 15 Computer -15 numbers of PLC-CPU and others	1.50000 2.100000
9.	English Department	English Language Proficiency Course	Four Skills	Basic	Teachers from English Department	40	48 hours(2 hrs per day)	Projector Sound Box Microphone	30000

No.	Department	Course Name	Course Content	Level	Instructor	No.	Duration	Requirements
10.	Computer Engineering and Information Technology	Computer Basic	- Windows Installation - Microsoft Office Word - Microsoft Office Power Point Microsoft Office Excel	Basic	Dr. Mya Thidar Myo Win		30 hr (2 hr per day)	- Computer Room with 30 no. of PC (i5) Projector
		C & C++ Programming	- Getting Started with C - The Basic Concepts of OOP - C++ Programming Basic - Data Types, Variables, Functions and Keywords - Basic Input/Output - Control Structures - Arrays and Pointers, Object and Classes - Streams and Files Object Oriented Software Development	Basic	Dr. Chit Su Htwe		60 hr (2 hr per day)	- Computer Room with 30 no. of PC (i5) Projector
		Digital Image Processing using Matlab		Basic		30	30 hr (2 hr per day)	- Computer Room with 30 no. of PC (i5) Projector
		Java Programing	J2EE	Basic	Daw Thiri Kyaw Daw Nyein Nyein Min	30	30 hr (2 hr per day)	- Computer Room with 30 no. of PC (i5) Projector

No.	Department	Course Category	Course	Level	Instructor	No.	Duration	Requirements
		Java Programing	J2SE	Intermediate	Dr. Zar Zar Wint Daw Thiri Kyaw	30	30 hr (2 hr per day)	- Computer Room with 30 no. of PC (i5) - Projector
		Networking	Routing and Switching	Basic	Dr. May Zin Oo Dr. Thanda Aung Daw Khin Swe Lin	30	30 hr (2 hr per day)	- Computer Room with 30 no. of PC (i5) - Projector
		Networking	- Fundamental Linux Server	Basic	Dr. May Zin Oo Dr. Thanda Aung Dr. Myo Myint Maw	15	30 hr (2 hr per day)	- Computer Room with 30 no. of PC (i5) - Projector
10.	Computer Engineering and Information Technology	R Programming	- Data Analysis	Basic and Intermediate	Dr. Thanda Shwe	30	30 hr (2 hr per day) for each	- Computer Room with 30 no. of PC (i5) - Projector
		Window Server	- Window Server 2012	Installation	Dr . Myo Myint Maw	30	30 hr (2 hr per day)	- Computer Room with 30 no.of PC - (8 G RAM) - projector
		Programming	- MatLab	Intermediate	Dr. Myo Myint Maw Dr. Phyo Thu Zar Tun	30	30 hr (2 hr per day)	- Computer Room with 30 no.of PC - Projector
		Cabling	- Network and Fiber Optic Cabling	Basic	Dr. Myo Myint Maw Dr. Phyo Thu Zar Tun	30	15 hr	- Tester - Cutting Device - Cable

No.	Department	Course	Content	Level	Instructor	No.	Duration	Requirements
		Python Programming	- Values and Variables - Conditional Execution - Iteration - Functions - Lists - Objects - Handling Exceptions	Basic	Dr. Zar Zar Wint	30	30 hr (2 hr per day)	- Computer Room with 30 no.of PC - Projector
		Python Programming	- Framework - Machine Learning using Python	Intermediate	Dr. Zar Zar Wint			
		Basic HTML	- HTML - Java script - CSS	Basic	Dr. Zar Zar Wint Daw Thiri Kyaw	30	30 hr (2 hr per day)	- Computer Room with 30 no.of PC - Projector
11.	Architecture	AutoCAD	Section 1: Introduction to Auto CAD Section 2: Creating Drawings Section 3:Manipulating Objects Section 4:Drawing Organization and Inquiry Commands Section 5:Altering Objects Section 6:Working with Layouts Section 7: Annotating the Drawing Section 8:Dimensioning Section 9:Hatching Objects Section 10:Working with Reusable Content Section 11:Creating Additional Drawing Objects Section 12:Plotting	Basic and Intermediate		30	30 hr (3 hr per day)	- Computer Room with 30 nos: of PC (i5) - - Projector
		Sketch up	3D modeling					

No.	Department	Program	Subjects	Degree	No.	Duration	Teaching Staff	Laboratory
12.	Chemical	Post Graduate Diploma (Food Technology)	- Food Nutrition and Hygiene - Food Microbiological Analysis Methods - Food Science - Food Engineering - Food Preservation Methods - Food Biotechnology - Food Processing Method and Food Processing Waste - Food Quality Evaluation and Control Food Chemistry, Food Laws and Legislations	Diploma	25	1 year (2 Semester)	Teaching Staffs from Department of Chemical Engineering and Teaching Staffs from Department of Biotechnology, Mandalay Technological University Dr. Kyaw Nyein Aye (B.Sc (IC), YU; B.E (Chemical), D.F.T., YIT; M.E ., Ph.D. (Biopro Tech), AIT, Thailand; Post Ph.D., (Kanai University , Japan) Visiting Professors (2)	Tray Dryer, Centrifuge, Oven, Moisture Balance, Gas Chromoto graphy , Quality Control Lab

COLLABORATION, CONSULTATION, JOINT VENTURE

ပူးပေါင်းဆောင်ရွက်နိုင်သည့် လုပ်ငန်းများ

Research Work, Consultant Area and Project Collaboration Offered by MTU

3.3.1 Agriculture

Serial	Area of Interest	Research Work	Consultant	Joint Venture/ Project Collaboration	Contact Person
1	Organic Farming System/ Hydroponic Culture	-	✓	-	Dr. Reemon Htun
2	Bio fertilizer Production	✓	✓	✓	Dr. Ohmar Aung
3	Organic Foliar Fertilizer Production	✓	✓	✓	Dr. Myo Myint
4	Bioremediation for Degraded Soil	-	✓	-	Dr. Ohmar Aung
5	Tissue Culture for Plant Production	-	✓	✓	Dr. Ohmar Htun
6	Plant Diseases Detection	-	✓	-	Dr. Zaw Khaing Oo
7	Heritage Site Nomination to World Heritage Committee	✓	✓	✓	Dr. Su Su
8	(World) Heritage Site Management	✓	✓	✓	Dr. Su Su
9	Heritage Impact Assessment	✓	✓	✓	Dr. Than Htay Oo Dr. Myat Soe Phyu Dr. Yin Min Paik
10	Radiation Processing - Plant Growth Promoter and Fertilizer - Absorbent Material (hydrogel) for soil moisture control	✓	-	✓	Dr. Khin Khin Lay

Research Work, Consultant Area and Project Collaboration Offered by MTU

3.3.2 Food and Safety

Serial	Area of Interest	Research Work	Consultant	Joint Venture/ Project Collaboration	Contact Person
1.	Microbial Check in Food Safety	✓	-	-	Dr. Saw Sandar Maw
2.	Fermented Food Processing	✓	✓	-	Dr. Moe Moe Lwin
3.	Herbal Wine Making	✓	✓	✓	Dr. Zaw Khaing Oo
4.	Radiation Processing - Inhibit sprouting (potatoes, onions, garlic, etc…) - Delay in ripening (strawberries, mango, etc..) - Prevent insect infestation ((grains, cereals, coffee beans, spices, dried fish, etc…) - Extend shelf-life (raw and fresh fish, seafood, fresh produce, refrigerated and frozen meat products, etc..) - Sterilization of food - Sterilization of packaging material	✓		✓	Dr. Khin Khin Lay

Research Work, Consultant Area and Project Collaboration Offered by MTU

3.3.3 Renewable Energy

Serial	Area of Interest	Research Work	Consultant	Joint Venture/ Project Collaboration	Contact Person
1.	Measuring Solar Irradiance and Wind Speed	✓	-	✓	Dr. Wunna Swe 09-794667016
2.	Renewable Energy System Installation	-	✓	✓	Dr. Wunna Swe 09-794667016
3.	Bioethanol Production from Agricultural Waste	✓	-	-	Dr. Saw Sandar Maw
4.	Biodiesel Preparation from Microalgae Biomass	✓	-	-	Dr. Hnin Hnin Htun
5.	Solar Collectors	✓	✓	✓	Dr. Myat Myat Soe
6.	Measuring on Solar Radiation and Wind Speed	✓	✓	✓	Dr. Myat Myat Soe
7.	Bioenergy and hydropower utilization for energy generation	✓	✓	✓	Dr. Ei Ei Htwe eiehtwe.mdy2012@ gmail.com

Research Work, Consultant Area and Project Collaboration Offered by MTU

Water Resources and Environment

3.3.4 Environmental

Serial	Area of Interest	Research Work		Joint Venture/ Project Collaboration	Contact Person
1.	Environmental Management Plan (EMP) of Mining Sector	✓	✓	✓	Dr. Myo Min Lwin 09402644320 Sayarmyo02@gmail.com
2.	Biological Wastewater Treatment	✓	✓	✓	Dr. Zaw Khaing Oo
3.	Environmental Impact Assessment	-	✓	-	Dr. Myo Myint
4.	Biodegradable Plastic Making	✓	-	-	Dr. Moe Thazin Shwe
5.	Fruit Waste to Organic Foliar Fertilizer/ Terrazyme	✓	✓	-	Dr. Khaing Thida Zun Dr. Nyein Phyo Linn
6.	Ventilation system especially Fan	✓	✓	✓	Dr. War War Min Swe
7.	Specialization on Heat Pump and Heat Exchanger	✓	✓	✓	Dr. Nyein Aye San
8.	Heritage Impact Assessment	✓	✓	✓	Dr. Than Htay Oo Dr. Myat Soe Phyu Dr. Yin Min Paik

Serial	Area of Interest	Research Work	Consultant	Joint Venture/ Project Collaboration	Contact Person
9.	Watershed Management and Disaster Prevention	√	√	√	Dr. Nilar Aye 09-2002906 dnioaraye@gmail.com
10.	Environment Impact Assessment and water pollution control	√	√	√	Daw Aye Aye Thant

Research Work, Consultant Area and Project Collaboration Offered by MTU

3.3.5 Material Science

Serial	Area of Interest	Research Work	Consultant	Joint Venture/ Project Collaboration	Contact Person
1.	Analysis of Soil	√	√	√	Dr. Kay Thwe Tun
2.	Building Materials & Construction	√	√	√	Dr. Nang Su Le Mya Thwin

3.3.6 ICT Service

Serial	Area of Interest	Research Work	Consultant	Joint Venture/ Project Collaboration	Contact Person
1	IOT based Electrical Power distribution and load consumption monitoring system for Patheingyi Township	√	-	-	Dr.Kyaw Zin Latt Dr.Nay Min Htun Dr.Myo Maung Maung U Zaw Myo Tun

Research Work, Consultant Area and Project Collaboration Offered by MTU

No.	Title	Research Work	Consultant Area	Project Collaboration	Name
2	IOT based Smart Agriculture System	✓	-	-	Dr.Kyaw Zin Latt, Dr.Myo Maung Maung, 4th year Students
3	Software Development	-	✓	✓	Dr. Chit Su Htwe
4	Lane Keeping Assistant System based on Digital Image Processing	✓	✓	-	Dr. Thanda Aung
5	Big Data on Cloud	✓	✓	-	Dr. Thanda Shwe
6	Information Security	✓	✓	-	Dr. Mya Thidar Myo Win, Dr. May Htet
7	Vehicular Communication, IoT and Network	✓	✓	✓	Dr. May Zin Oo
8	Software Define Network	✓	-	-	
9	Data Mining and Machine Learning	✓	✓	-	Dr. Zar Zar Wint
10	Natural Language Processing	✓	✓	✓	Dr. Nang Aye Aye Htwe, Dr. Thandar Soe
11	Digital Image Processing and Speech Recognition	✓	✓	✓	Dr. Nang Aye Aye Htwe
12	5G Cellular Communication,	✓	✓	-	Dr. Myo Myint Maw
13	Internet of Things, Localization, Smart Agriculture	✓	✓	✓	Dr. Myo Myint Maw

Research Work, Consultant Area and Project Collaboration Offered by MTU

3.3.7 Design, Analysis and Estimation

Serial	Area of Interest	Research Work	Consultant	Joint Venture/ Project Collaboration	Contact Person
1.	Mine Planning and Design	-	✓	✓	Dr. Myo Min Lwin 09402644320 Sayarmyo02@gmail.com
2.	Analysis and Design of reinforced concrete and steel structures	-	✓	✓	Dr San Yu Khaing
3.	Analysis, Construction and Maintenance of Bridges	✓	✓	✓	Dr San Yu Khaing
4.	Tendering Processes and estimation of buildings	-	✓	✓	Dr Nilar Aye, Dr.Khin Su Su Wai
5.	Project Management and Construction	-	✓	✓	Dr Aye Mya Cho
6.	Retrofitting and Strengthening Methods of Buildings	-	✓	✓	Dr Aye Mya Cho
7.	Modeling design on Automatic Manufacturing Process	✓	✓	✓	Dr. Ei Ei Htwe eieihtwe.mdy2012@gmail.com

Research Work, Consultant Area and Project Collaboration Offered by MTU

		Research Work	Consultant	Joint Venture/ Project Collaboration	Contact Person
8.	Town planning, City Planning, Regional Planning	✓	✓	✓	Dr. Su Su Dr. Than Htay Oo Dr. Myat Soe Phyu Dr. Yin Min Paik

3.3.8 Other

Serial	Area of Interest	Research Work	Consultant	Joint Venture/ Project Collaboration	Contact Person
1.	Radiation Processing - Radiation Treatment on Industrial waste water - Absorbent Materials (hydrogel) for removal of heavy ion and toxic materials from Industrial waste water	✓	-	✓	Dr. Khin Khin Lay
2.	Radiation Protection Design and calculation of shielding enclosures for radiography sources and exposure devices	-	✓	-	Dr. Khin Khin Lay

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INTERNATIONAL JOURNAL AND CONFERENCE PAPER
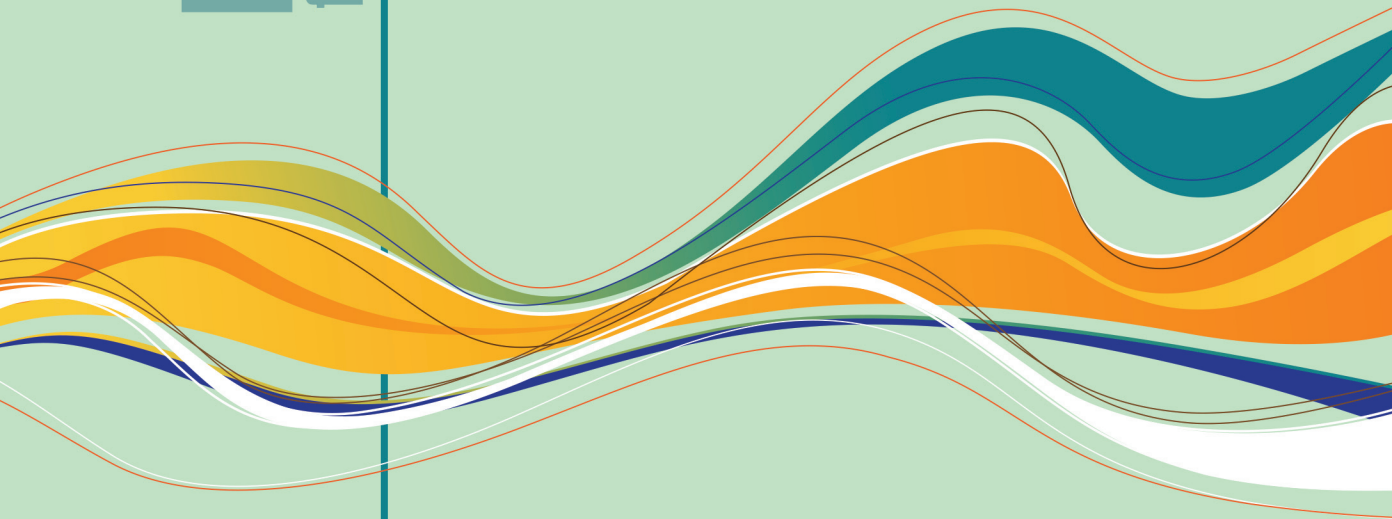
Agriculture (Journals)

Sr	Name	Publication Paper	Journal/Paper Organization	Volume/Publishd Year
1	Su Wai Aung, CWRE	*Simulation of Stream Flow Using Soil and Water Assessment Tool (SWAT) in Upper Ayeyarwady Basin*	Emirates Association of Chemical, Biological &Environment Engineers (EACBEE)	Pattaya, August (2016)
2	Zin Zin Nwe, CSE	Identification of Seismic Vulnerability Zones based on Land Use Condition	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	(2016) Volume 23, No 1, pp 90-102
3	Than Than Htay, Mech	Design, Fabrication and Performance of Threshing Unit in DKC-685 Combine Harvester	The International Journal of Scientific Engineering and Technology Research	SEMAR GROUPS, Hyderabad, AP-INDIA, May, (2014)
4	Than Than Htay, Mech	Effect of Dynamic Stiffness on Performance of Paddy Grain Losses In Axial-Flow Thresher	International Journal of Scientific and Technology Research (IJSTR), Volume 4-Issue8, ISSN 2277-8616	August (2015) pg-262-269
5	Kaung Myat, CWRE	*Proposal of Water Allocation Plans for Mandalay Area in Myanmar*	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	(2019) Volume 31, No. 1, pp 24-39
6	Aung Kyaw Soe, Mech	*Numerical Flow Analysis of an Axial Flow Pump*	International Journal of Engineering and Applied Sciences	2(7) (2015) 16-21
7	Thurein Kyaw, NT	*Radiation Graft Copolymerization of Rice Straw Cellulose-Acrylamide Monomer for Synthesis of Hydrogel and its Application for Chili*	International Journal of Science and Research (IJSR)	Volume 6 Issue 4, April 2017, ISSN 2319-7064

Agriculture (Journals)

8	Min Naing, NT	*Evaluating the Effects of Super Absorbent Polymers (SAPs) on Growth of Eggplant*	International Journal of Science and Research (IJSR)	Volume 6 Issue 4, April 2017, ISSN 2319-7064
9	Min Naing, NT	*Graft Copolymerization of Acrylic Monomers onto Coir Dust by Using Gamma Irradiator of Co-60 Source for Superabsorbent Polymer, The 5th International Conference on Food, Agricultural and Biological Science*	International Journal of Advances in Agricultural and Environmental Engineering (IJAAEE)	Volume 3, Issue 2 (2016) ISSN 2349-1523 EISSN 2349-1531, *Bangkok, 25–26, December, (2016)*
10	Myo Chit Aung, NT	*Laboratory Experiment on Non-invasive Investigation of Crude Oil Pipe by Industrial Gamma Computed Tomography*	International Journal of Science and Research (IJSR)	Volume 6, Issue 4, 774-779, April, (2017), ISSN: 2319-7064
11	Thein Zaw Win, NT	*Effect of Foliar Application of Irradiated Chitosan on Okra*	International Journal of Science and Research (IJSR)	Volume 6, Issue 4, 868-874, April, (2017), ISSN: 2319-7064

Renewable Energy Journals

Sr	Name	Publication Paper	Journal/Paper Organization	Volume/Publishd Year
1	Zaw Min Thant, Mech	*Numerical Study on Temperature Distribution of Water-in-Glass Evacuated Tubes Solar Water Heater*	International Journal of Engineering and Applied Sciences (IJEAS)	Volume 2, Issue 9, USA, September (2015)
2	*Mya Mya Mon, Mech*	*3D Modeling of Temperature Distribution for Absorber Tube of Parabolic Trough Collector,*	*International Journal of Engineering and Applied Science,*	*Volume 2, Issue 6, June, (2015).*
3	Zin Mar Nyo, EP	*Evaluation of PV, Wind, Diesel Hybrid Energy Potential for GSM Tower in Myanmar*	International Journal of Electrical and Computer Engineering (IJECE 2015)	Vol 5. No 6.
4	Theingi Htun, EP	*Design Calculation and Estimating of Parabolic Trough Solar Thermal Electrification for a Model Village (30 kW)*	International Journal of Electrical, Electronics and Data Communication (IJEEDC)	Volume 3, Issue 6, II-TAEECEBGK-04045-03,10/6/2015
5	Theingi Htun, EP	*Design Calculation of Parabolic Trough Solar Thermal System and Three-phase Turbo Alternator*	International Journal of Electrical and Computer Engineering	No.AL.8442/IJECE/V.5/10/2015.
6	Theingi Htun, EP	Design and Analysis of Solar thermal for Heat Water Generation	International Journal of Scientific Engineering and Technology Research, IJSETR	India, May 2014, Volume No.3, Issue No.08, p1143-1

Journals

7	Thin Zar Khaing, EP	*Simulation of Small-scale Wind Power Generating System*	International Journal of Electrical, Electronics and Data Communication	Vol.3, No.6, June 2015, pp 19-25, May, ISSN: 2320-2084
8	Thin Zar Khaing, EP	*Control Analysis of Stand-Alone Wind Power Supply System with Three Phase PWM Voltage Source Inverter and Boost Converter*	International Journal of Electrical and Computer Engineering (IJECE)	Vol. 5, No.4, August 2015 , pp 789-809, ISSN: 2088-8708
9	Ye Min Htut, Che	*Experimental Investigation of the Pilot Scale Downdraft Gasifier*	International Journal of Research in Chemical, Metallurgical and Civil Engg. (IJRCMCE)	Volume 2, Issue 1, 2015, ISSN 2349-1442, EISSN 2349-1450
10	Ye Min Htut, Che	*Using a Simple Modeling and Simulation Scheme for Complicated Gasification System*	International Journal of Scientific and Research Publications (IJSRP)	Volume 5, Issue 6, June 2015, ISSN 2250-3153
11	Nang Saing Nuet, Mech	*Numerical Investigation of Flow Profile and Performance Test of Cross-Flow Turbine*	American Scientific Research Journal for Engineering, Technology and Science (ASRJETS)	Volume 26, No.4, December, (2016)
12	Zar Ni Tin Win, Mech	*Performance Test and Structural Analysis of Cross-Flow Turbine*	American Scientific Research Journal for Engineering, Technology, and Sciences, ASRJETS	ISSN 2313-4410, Volume 26, Number 4, Pages 285-303, November, 2016

Journals

13	Yin Yin Htay Aung, Mech	*Effect of Attack Angle on Aerodynamic Analysis of Different Wind Turbine Wings using Numerical Simulation*	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	Volume 26, Number 4, USA, December, (2016)
14	Thi Thi Win, Che	*Synthesis and Characterization of CaO and KF Doped CaO (KF/CaO) Derived from Chicken Eggshell Waste as Heterogeneous Catalyst in Biodiesel Production*	In Global Society of Scientific Research and Researchers (GSSRR) of American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	ISSN (Print) 2313-4410; ISSN (Online) 2313-4402, Vol. 38, No. 2, (Issued: 17.12.2017) 134-151
15	Saw Ohmar Oo, EP	*Power Conversion Model and Simulation of Grid Connected Solar and Wind Hybrid System*	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS) (2016)	*Volume 26, No 2, Page 219-238. ISSN: 2313-4410*
16	Ni Ni Aung, Mech	*Performance and Numerical Analysis of Single Basin Solar Still Integrated with and without Salt Gradient Solar Pond*	International Journal of Scientific and Research Publications (IJSRP)	Volume 7, Issue 12, December, (2017)
17	Nan Kay Thi Lin, Mech	*Design, Simulation and Performance on the Effect of Modification on Impeller Tip for Pump as Turbine (PAT)*	International Journal of Scientific and Research Publications (IJSRP)	Volume 7, Issue 12, December, (2017)
18	Kyaw Myo Lin, EP	*Stability Assessment of Power System Incorporating with DFIG Based Wind Power Penetration*	MTU Journal of Science, Engineering and Technology	2015, 124-132
19	Nan Win Aung, EP	*Microcontroller Based Electrical Parameter Monitoring System of Electronic Load Controller Used in Micro Hydro Power Plant*	Journal of Electrical and Electronic Engineering (JEEE), Science Publishing Group	USA, Vol. 3, Issue Number 5, October 2015, pp. 40-46, ISSN: 2329-1613 (Print), ISSN: 2329-1605 (online)

Environment Journals

Sr	Name	Publication Paper	Journal/Paper Organization	Volume/Publishd Year
1	Thiha Thaw, BioT	*Anaerobic Raw Textile Wastewater Treatment in UASB Reactor with Cow Dung Manure and Activated Sludge as Substrate*	Journal of Environmental Science, Computer Science and Engineering & Technology (JECET)	6(3) (2017) 235-242, E-ISSN: 2278-179X
2	Thwe Thwe Than, CWRE	*Challenges to Industrial Water Pricing in Mandalay Region*	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	(2019) Volume 30, No. 1, pp 357-371, (April, 2017)
3	Tun Tun Naing, NT	*Clean and Cost Effective Industrial Wastewater Treatment Technology for Developing Countries*	International Journal of Scientific and Research Publications (IJSRP)	Volume 5, Issue 12, December 2015, ISSN 2250-3153

ICT (Journals)

Sr	Name	Publication Paper	Journal/Paper Organization	Volume/Publishd Year
1	Aye Min Soe, EC	*Electronic Control System of Home Appliances using Speech Command Words*	International Journal of Scientific and Technology Research	*Volume 4, Issue 6, June 2015, PP 323-329, ISSN 2277-8616*
2	Win Kay Khaing, EC	*"Implementation of Code and Carrier Tracking Loops for Software GPS Receivers"*	International Journal of Scientific and Technology Research	Volume 4, Issue 6, June 2015, pp 353-359, ISSN 2277-8616
3	Kyaw Myo Lin, EP	*Small Signal Stability Assessment of MEPE Test System in Free and Open Source Software*	International Journal of Electrical, Computer, Electronics and Communication Engineering	WASET Publications, 2014
4	Kyaw Myo Lin, EP	*Open Source Software Based Modeling of MEPE Test System for Stability Studies*	International Journal of Energy and Power Engineering	USA, 2015

ICT (Journals)

5	Naing Lin Aung, EC	*"Evaluation and Comparison of Performances between AODV and DSDV Routing Protocols for VANET at T-Intersection"*	*International Journal of Emerging Engineering Research and Technology*	*Volume-3, Issue-6, June 2015, PP: 38-48, ISSN: 2349-4409*
6	Aye Myat Thin, EP	*Performance Analysis ofDoubly Fed Induction Generator Using Vector Control Technique*	International Journal of Electrical, Computer, Electronics and Communication Engineering	Volume-5, Issue-5, October 2015
7	Aye Myat Thin, EP	*Dynamic Modelling of Doubly Fed Induction GeneratorBased Wind Turbine System*	(IJIEEE)	Volume-3, Issue-6, June-2015, and ISSN: 2347-6982
8	Chaw Su Hlaing, EP	*Sizing and Sitting of Distributed Generation in Distribution System for Loss Minimization and Voltage Stability*	International Journal of Scientific Engineering and Technology Research (IJSETR)	Volume 3, Issue 45, December 2014, ISSN: 2319-8885, pp9148-9153
9	Chaw Su Hlaing, EP	*Integration of Dispatchable DG Unit in Distribution System for Voltage Profile Improvement and Network Loss Reduction*	International Journal of Industrial Electronics and Engineering (IJIEEE)	India, Vol. 3, Issue 5, May 2015, ISSN: 2347-6982, pp10-16
10	Chaw Su Hlaing, EP	*Effects of Distributed Generation on System Losses and Voltage Profiles*	International Journal of Electronics and Engineering (IJEEE)	USA, Vol 3, Issue 3, June 2015, ISSN: 2329-1613 (Print), pp 36-41, ISSN:2329-1605 (online)
11	Su Mon Myint, EP	*Analysis of Loss Reduction for Radial Distribution System Using Network Reconfiguration*	International Journal of Engineering and Techniques (IJET), ISSN 2395-1303	India, 1(4) July-August (2015) 32-38
12	Su Mon Myint, EP	*Network Reconfiguration for Loss Reduction and Voltage Profile Improvement of 74-Bus Radial Distribution System Using Particle Swarm Optimization Algorithm*	International Journal of Electrical Electronics and Data Communication (IJEEDC)	ISSN(e): 2320-2084, India, 3(6) June (2015) 32-38

ICT (Journals)

13	Su Mon Myint, EP	*Network Reconfiguration for Loss Reduction and Voltage Profile Improvement of 110-Bus Radial Distribution System Using Exhaustive Search Techniques*	International Journal of Electrical and Computer Engineering (IJECE)	ISSN 2088-8708, Indonesia, 5(4) August (2015) 788-797
14	Su Hlaing Win, EP	*Loss Minimization of Power Distribution Network using Different Types of Distributed Generation*	International Journal of Electrical and Computer Engineering (IJECE)	Indonesia, Vol 5, No.5, October (2015), ISSN: 2088-8708, pp. 918-928
15	Su Hlaing Win, EP	*A Load Flow based Approach for Optimum Allocation of Distributed Generation Units in the 43-bus Distribution Network of Belin Substation in Myanmar*	International Journal of Engineering and Techniques	India, Vol 1, Issue 4, July- August (2015) ISSN: 2395-1303, pp.45-54
16	Su Hlaing Win, EP	*Analytical Approach of Distributed Generation on Distribution System for Voltage Profile Improvement*	International Journal of Electrical, Electronics and Data Communication (ICEEDC)	India, Vol 3, Issue 6, June (2015) ISSN: 2320-2084, pp. 26-31
17	Zin May Zaw, IT	*Security Enhancement System Based on the Integration of Cryptography and Steganography*	The International Journal of Computer (IJC)	Jordan, 9(1) October (2015) 26-39
18	Phyu Phyu Thin, IT	*Design of MIMO Antenna Array Architecture for Higher Channel Capacity*	The International Journal of Computer (IJC)	Jordan, 19(1) October (2015) 13-25
19	Thwe Thwe Ngwe, IT	*Digital EnvelopeSystem Based on Optimized NTRU (Number Theory Research Unit) and RC6 Algorithm*	The International Journal of Computer	19(1) (2015) 67-78.
20	Yin Mon Swe, IT	*An Improved Fuzzy-based Image filtering for Salt and Pepper Noise*	The International Journal of Computer (IJC)(ISSN 2307-4523)	18 (1), October, (2015) 23-37

ICT (Journals)

21	Phyo Thet Khine, IT	Automatic Car Number Plate Extraction Using Connected Component and Geometrical Features Approach	The International Journal of Computer (IJC)	vol.9, no.1, October 13, (2015), 26-39,Jordan
22	Phyo Thet Khine, IT	*Correlation Based Car Number Plate Extraction System*	International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE)	Singapore, April (2015), 97-102
23	Phyo Thet Khine, IT	*Optimization of Maximum A Posteriori (MAP) for Single Blur Image*	The 5th International Conference on Science and Engineering (ICSE 2014)	Inya Lake Hotel, Yangon, Myanmar, December (2013)
24	KhinThida Win, IT	*A Modified Quantization Based Image Compression Technique using Walsh-Hadamard Transform*	The 6th The International Journal of Computer (IJC)	Jordan, 9(1) October (2015), 79-90
25	Thet War Soe, IT	*Development of Radio Wave Propagation Model in Indoor Non-Line-of-Sight (NLOS) Scenario*	The International Journal of Computer (IJC)	Jordan, (ISSN 2307-4523), 19(1), (2015), 40-52
26	Aye Mya Nyein, IT	*Weight-based Word Sense Disambiguation Method for Myanmar-to-English Language Translation*	The International Journal of Computer (IJC)	Jordan, vol.19, no.1, October (2015), 1-12
27	Nang Khin Su Yee, McE	*Fuel Monitoring and Electronics Control of Dispenser for Fuel Station*	International Journal of Engineering and Techniques (IJET)	India, ISSN:2395-1303,Volume1 Issue 4-(2015)
28	Than Htike Aung, EC	*Implementation of the Precision Agriculture Using LEACH Protocol of Wireless Sensor Network,*	INTERNATIONAL JOURNAL OF SCIENTIFIC AND TECHNOLOGY RESEARCH	ISSN 2277-8616, India, 5 (6) (2016) 36-40.

ICT (Journals)

29	Than Htike Aung, EC	*Comparative Study on Routing Protocols of Wireless Sensor Network for Precision Agriculture*	INTERNATIONAL JOURNAL OF ADVANCED COMPUTATIONAL ENGINEERING AND NETWORKING	ISSN: 2320-2106, India, 4 (5) (2016) 29-33
30	May San Hlaing, EC	*Development of Human Computer Interface for Autopilot Control of Unmanned Aerial Vehicle*	International Journal of Scientific and Research Publications	ISSN: 2250-3153, Volume 3 Issue 7, July, (2016)
31	Thwe Thwe Htoo, EC	*Analysis of Time Delay Control System For Unmanned Aerial Vehicle*	International Journal of Soft Computing and Artificial Intelligence	(May, 2016) 2321-404X, ISSN.
32	Thwe Thwe Htoo, EC	*Development of Translational Motion of Unmanned Aerial Vehicle Using MATLAB*	International Journal of Scientific and Technology Research	5(07) (July, 2016) 2277□8616, ISSN
33	Nyan Phyo Aung, EC	*Analysis of Time Delay Simulation in Networked Control System*	International Science Index International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering	10(3) (2016) 328-333
34	Nyan Phyo Aung, EC	*Simulation of Wireless Networked Control System Using TRUETIME And MATLAB*	International Journal of Scientific and Technology Research	5(06) (2016)31-35, ISSN 2277-8616
35	Nyan Phyo Aung, EC	*Analysis of Time Delay Simulation in Networked Control System*	International Journal of Advanced Computational Engineering and Networking	4(5) (2016)34-39, ISSN: 2320-2106
36	Su Naing Myint, EP	*Automated Multi-storied Car Parking System Using RFID,*	American Scientific Research Journal for Engineering, Technology and Sciences, ASRJETS	ISSN 2313-4410, Volume 27, Number 1, Pages 65-81, November, 2016

ICT (Journals)

37	Sat Sat Aung, EP	*Modeling and Simulation of Automatic Load Frequency Control for Three area Power System Using PID Controller*	*American Scientific Research Journal for Engineering, Technology and Sciences (ASRJETS) ISSN (Print) 2313-4410:ISSN (Online) 2313-4402.*	Review Type: Peer Reviewed Publication, Indexing status: indexed Journal Volume 26, Number 2, Pages 301-315, Year: 2016
38	Lai Lai Win, EP	*Design Consideration of Electrical Earthing System for High Rise Building,*	American Scientific Research Journal for Engineering, Technology, and Sciences, ASRJETS 2016	November 2016, Volume No.26, Issue No.2, pp: 270-282
39	Aung Kyaw Min, EP	*Voltage Stability Accessment of Power System with Distributed Generation in Free and Open Source Software*	American Scientific Research Journal for Engineering, Technology, and Science (ASRJETS)	Vol. 26, November 2016, ISSN: 2313-4410, pp. 283-300
40	Ei Phyo Thwe, EP	*Fault Detection and Classification for Transmission Line Protection System Using Artificial Neural Network*	Journal of Electrical and Electronic Engineering (JEEE)	4(5)November (2016)
41	Moh Moh Myint Aung, EP	*A Fuzzy Logic Approach for Improvement of Power Quality using FC-TCR*	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	May 5, 2016
42	Thaw Tar Tun, EP	*Comparison of TCSC and STATCOM for Damping Power System Oscillations*	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	Vol. 26, No2 Issue 5, May 2016, pp. 1-16, ISSN (Print) 2313-4410, ISSN (Online) 2313-4402, India

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43	*Lei Lei Tun Shwe, McE*	*Vision-Based Mobile Robot Self-localization and Mapping System for Indoor Environment*	*American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS) ISSN (Print) 2313-4410, ISSN (Online) 2313-4402*	*http://asrjetsjournal. org/ Volume38, Number 1, Pages 306-324, Year: 2017*
44	*Lei Lei Tun Shwe, McE*	*Artificial Landmarks Based Mobile Robot Self-Localization for Reducing Ambiguity in the Environment*	*AUN/SEED-Net Regional Conference for Computer and Information Engineering*	*2016*
45	*Theint Theint Htwe, McE*	*Vision-Based Autonomous Human Tracking Mobile Robot, American Scientific Research*	*Journal for Engineering, Technology, and Sciences (ASRJETS) ISSN (Print) 2313-4410, ISSN (Online) 2313-4402 © Global Society of Scientific Research and Researchers.*	*http://asrjetsjournal. org/ Volume 38, Number 1, Pages 325-340, Year: 2017*
46	*May Htet, IT*	*Information Security System Based on English and Myanmar Text Steganography*	American Scientific Research Journal for Engineering, Technology, and Sciences, Global Society of Scientific Research and Researchers	25(1) (2016) 240-255.
47	May Htet, IT	*A Novel Text Steganographic Technique Using Specific Alphabets*	Journal of Computer Science	University of Sri Jayewardenepura, Gangodawila, Nugegoda, Sri Lanka, 1(1) (2016) 1-14.
48	Su Mon Thu, IT	*An Information Security System Based on Optimized Pixel Mapping Method*	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	American, 25(1) (2016) 222-239

ICT (Journals)

49	Aye Aye Myat, IT	*Comparison of Signal Strength Prediction Models in Indoor-to-Outdoor and Outdoor-to-Indoor Scenarios for Wireless Communications at 2.4 GHz*	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	American, 25(1) (2016)181-191
50	Aye Zar Chi Min, IT	*Angle-aware Greedy Forwarding Algorithm for Vehicular Ad Hoc Networks*	Journal of Computer Science (JCS)	University of Sri Jayewardenepura, Gangodawila, Nugegoda, Sri Lanka, 1(1) (2016) 1-6
51	Zun May Myint, IT	*Semantic Based Information Retrieval System Using Modified Inverse Document Frequency*	American Scientific Research Journal for Engineering Technology and Science (ASRJETS)	Volume 25, No 1, Pages 256-269, (2016)
52	Su Mon Phyo, IT	*Improving the Effectiveness of Information Retrieval System*	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	USA, 25(1) October (2016)
53	Win Win Moe, IT	*Performance Comparison of Collaborative Filtering Prediction Methods on Recommendation System*	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	28(1) February (2017) 18-29
54	Mya Sandar Oo, EC	*Development of Bank Angle Control and Trajectory Tracking for Autopilot System in Predator Unmanned Aerial Vehicle*	International Journal of Scientific and Technology Research	ISSN: 2319-8885, Volume 6 Issue 23, July, (2017)
55	*Kyaw Zin Latt, EC*	*Data Manipulation for Steel Making Process via Internet using WCF*	International Journal of Scientific Engineering and Technology Research (IJSETR)	ISSN 2319-8885, Vol.06, Issue.23,July 2017,Pages:4609-4613

56	Saint Saint Pyone, McE	Automatic Grasping Region Extraction Using Shape Profile Based and Geometrical Features Approach	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	vol.38, no.1, December 17, (2017), 293-305
57	Soe Yu Maung Maung, McE	"Autonomous Parallel Parking of A Car-Like Mobile Robot with Geometric Path Planning"	American Scientific Research Journal for Engineering, Technology and Sciences (ASRJETS)	vol.38,no.2,
58	Saw Mon Yee Aung, IT	*Analysis of Path Loss through the Partitions in Indoor Propagation*	International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE)	U. K, 29 (7) (2017) 206-214.

Agriculture (Conference Papers)

Sr	Name	Publication Paper	Journal/Paper Organization	Volume/Publishd Year
1	Than Than Htay, Mech	Design and Performance of Threshing Unit in DKC-685 Combine Harvester	The First International Conference on Energy, Environment and Human Engineering	Kandawgyi Palace Hotel, Yangon, Myanmar, 22-23, Dec, (2013).pg-161
2	Than Than Htay, Mech	Dynamic Stiffness of Thresher in Combine Harvester	23th THEIIER International Conference on Mechanical, Aeronautics and Production Engineering (ICMAPE)	Bayview Hotel, Singapore, ISBN: 978-93-82702-99-3, 25th April (2015). pg-38-42
3	Aung Kyaw Soe, Mech	Design and Flow Simulation of an Axial Flow Pump	The Fifth International Conference on Science and Engineering	Yangon, Myanmar, December 30-31, 2014
4	Aung Kyaw Soe, Mech	Numerical Investigation of the Effects of Blade Number on Flow Behaviors of an Axial Pump	International Conference on Mechanical, Aeronautics and Production Engineering	Bangkok, Thailand, April 4-5, 2015
5	Thurein Kyaw, NT	Effect of Gamma Radiation on the Grafting of Rice Straw Cellulose-Acrylamide Monomer	The Fifth International Conference on Science and Engineering, ICSE 2014	Yangon, 29-30, December, (2013)
6	Min Naing, NT	Preparation of Super Water Absorption Materials by Radiation Grafting of Potassium Acrylate onto Coir Dust Cellulose for Agriculture Use	The Sixth International Conference on Science and Engineering, ICSE	2015, Yangon, 12-13, December, (2015)

Agriculture (Conference Papers)

7	Myo Chit Aung, NT	*Laboratory inspection of single-pass tray experimental model column by gamma column scanning technique*	The International Conference on Nuclear Science and Technology 2016	(INST 2016), Bangkok, 4–6, August, (2016)
8	Myo Chit Aung, NT	*A Non-intrusive Nuclear Visualization Method in Industry: Gamma Ray Computed Tomography*	The Sixth International Conference on Science and Engineering, ICSE 2015	Yangon, 4-6, December, (2015)
9	Thein Zaw Win, NT	*Isolation and Identification of Chitin from Prawn Shell Wastes*	The International Conference on Nuclear Science and Technology 2016 (INST 2016)	Bangkok, Thailand, 4-6, August, (2016)
10	Thein Zaw Win, NT	*Gamma Radiation Effect on Deacetylation of Chitin to Form Irradiated Chitosan*	The Sixth International Conference on Science and Engineering, ICSE 2015	Yangon, 12-13, December, (2015)

Renewable Energy (Conference Papers)

Sr	Name	Publication Paper	Journal/Paper Organization	Volume/Publishd Year
1	Zaw Min Thant, Mech	*Effect of Inclination Angle on Solar Radiation of Water-in-Glass Evacuated Tubes of Domestic Solar Water Heater*	The International Conference on Mechanical, Aeronautics and Production Engineering (ICMAPE-2015) THEIIER	Bangkok, Thailand, April 4-5 (2015)
2	Zaw Min Thant, Mech	*Theoretical and Experimental Study on Temperature of Water-in-Glass Evacuated Tubes Solar Water Heater*	The Fifth International Conference on Science and Engineering	Yangon, Myanmar, December 20-30, (2014)
3	*Mya Mya Mon, Mech*	*Evaluation and Simulation of Heat Flux for Parabolic Trough Collector*	The International Conference on Mechanical, Aeronautics and Production Engineering	Bangkok, Thailand, April 4-5, (2015)
4	*Mya Mya Mon, Mech*	*Heat Transfer Analysis of Parabolic Trough Collector*	The Fifth International Conference on Science and Engineering	Yangon, Myanmar, December 29-30, (2014)
5	*Mya Mya Mon, Mech*	*Numerical and Theoretical Analysis of Heat Flux on Parabolic Trough Collector for Solar Thermal Power Plant*	*The First International Conference on Energy, Environment and Human Engineering*	*Yangon, Myanmar, December 21-22, (2013)*
6	Zin Mar Nyo, EP	*Optimal Design of Electricity Supply with Power Quality for Telecommunication System*	32 Conference of ASEAN Federation of Engineering Organizations (CAFEO – 32)	Sedona Hotel, Yangon, Myanmar, (2014)

Renewable Energy
(Conference Papers)

7	Zin Mar Nyo, EP	*Cost Analysis of Hybrid Renewable Energy Systems for Rural Telecommunication in Myanmar*	The fourth International Conference on Science and Engineering (ICSE)	Sedona Hotel, Yangon, Myanmar, (2014)
8	Zin Mar Nyo, EP	*Design and Economic Evaluation of Off-Grid Renewable Energy for Telecommunication Site*	The fourth International Conference on Science and Engineering (ICSE)	Sedona Hotel, Yangon, Myanmar, (2014)
9	Aye Myat Thin, EP	*Design and Analysis of Variable Speed Wind Turbine with Doubly Fed Induction Generator*	The Fifth International Conference of Science and Engineering (ICSE 2014), Yangon, Myanmar	(2014) December 29-30
10	Theingi Htun, EP	Design Calculation and Estimating of Parabolic Trough Solar Thermal Electrification for a Model Village (30 kW)	International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE)	Bangkok Thailand on 4-5 April 2015
11	Theingi Htun, EP	Design of Parabolic Trough Solar Thermal Plant for Electrification	The Fifth International Conference on Science and Engineering, ICSE 2014	Yangon, Myanmar, 29-30 December, (2014)
12	Ye Min Htut, Che	*Modification and Application of a Stoichiometric Equilibrium Model for Downdraft Gasification System*	The Fifth International Conference on Science and Engineering (ICSE 2014)	Inya Lake Hotel, Yangon, December 2014

Renewable Energy (Conference Papers)

13	Saw Ohmar Oo, EP	*System Performance Under Solar Irradiation and Temperature Variation of Grid Connected Photovoltaic System*	World Summit on Engineering Technologies and Big Data Analysis (ETBDA)	Bangkok, Thailand, 5th June 2016
14	Saw OhmarOo, EP	*Design of DC-DC Boost Converter with DC-link Constant Output Voltage for Solar Photovoltaic System*	The Sixth International Conference of Science and Engineering (ICSE 15)	Yangon, Myanmar, December 12-13, 2015
15	Yin Yin Htay Aung, Mech	*Design and Performance Testing of a Small-scaled Horizontal Axis Wind Turbine for Low Wind Speed Regions*	The International Conference on Mechanical and Aerospace Engineering (ICMAE-2016)	Pattaya, Thailand, October 20-21, (2016)
16	Yin Yin Htay Aung, Mech	*Theoretical and Numerical Aerodynamics Analysis of Different Airfoils on Horizontal Axis Wind Turbine*	The Sixth International Conference on Science and Engineering	Yangon, Myanmar, December 12-13, (2015)
17	Zar Ni Tin Win, Mech	*Design, Construction and Performance Test of Cross-Flow Turbine*	International Academy of Science, Technology, Engineering and Management, IASTEM	Pattaya, Thailand, October, 2016
18	Zar Ni Tin Win, Mech	*Design and Structural Analysis of Cross-Flow Turbine Runner Blade*	The Sixth International Conference on Science and Engineering, ICSE	Myanmar, December, 2015
19	Nang Saing Nuet, Mech	*Experimental Investigation of Cross-Flow Turbine*	The International Conference on Mechanical and Aerospace Engineering (ICMAE-2016)	Pattaya, Thailand, October 20-21, (2016)

Renewable Energy
(Conference Papers)

20	Nang Saing Nuet, Mech	*Design Optimization and Flow Analysis on the Runner Blade of Cross-Flow Turbine*	The Sixth International Conference on Science and Engineering	Yangon, Myanmar, December 12-13, (2015)
21	Ni Ni Aung, Mech	*Experimental and Numerical Study on Temperature Distributions of a Salt Gradient Solar Pond*	International Conference on Science, Innovation and Management (ICSIM) THE IIER	Bangkok, Thailand, June 5-6, (2017)
22	Ni Ni Aung, Mech	*Theoretical and Numerical Investigation of Salt Gradient Solar Pond*	The Seventh International Conference on Science and Engineering	Yangon, Myanmar, December 10-11, (2016)
23	Nan Win Aung, EP	*Design Calculation and Control System Simulation of a Microcontroller Based Electronic Load Controller for Stand-alone Micro-hydropower Plant*	The Fifth International Conference on Science and Engineering, ICSE 14	Yangon, Myanmar, December 29-30, 2014
24	Nan Win Aung, EP	*Design of Electronic Load Controller by Using Combination Method for Micro-hydro Power Plant and its Control and Monitoring Program Simulation*	The Nineteenth International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE)	Convenient Grand Hotel, Bangkok, Thailand, (2015)
25	Thin Zar Khaing, EP	*Control Scheme of Stand-alone Wind Power Supply System with Battery Energy Storage System*	The Nineteenth International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE)	Convenient Grand Hotel, Bangkok, Thailand (2015)

Renewable Energy (Conference Papers)

26	Thin Zar Khaing, EP	*Simulation of Variable Speed Stand-alone Wind Power Supply System with DC-DC Boost Converter*	The Fifth International Conference on Science and Engineering, (ICSE)	Yangon, Myanmar December 29-30, 2014
27	Thi Thi Win, Che	*Synthesis and Characterization of Heterogeneous Catalysts from Various Eggshells for Biodiesel Production,* Abstract Volume of the Seventh	International Conference on Science and Engineering (7th ICSE 2016)	Yangon Technological University (YTU), Yangon, Myanmar, Vol. 7, (10th-11th) December (2016) 92
28	Thi Thi Win, Che	*Chicken Eggshell Waste as a Suitable Catalyst for Trans esterification of Palm Oil: Optimization for Biodiesel Production*	5th International Conference on Food, Agricultural and Biological Sciences (ICFABS-2016)	ISBN 978-93-84468-88-0, Bangkok (Thailand), Vol. 5, (25th- 26th) December (2016) 60-65

Environment (Conference Papers)

1	Thiha Thaw, BioT	*Study on the Performance of DHS System as the Post-Treatment of UASB Textile Wastewater Effluent*	The Universal Academic Cluster International June Conference in Bangkok (UAC), SM Tower	Bangkok, Thailand, 22-23 June (2017) 20-27
2	Thiha Thaw, BioT	*Impact Assessment of Textile Wastewater around the Seik Kun Village*	The Seventh International Conference on Science and Engineering, Y.T.U	Yangon, Myanmar, December 10-11, pg-172 (2016)
3	Tun Tun Naing, NT	*"Utilization of Gamma Radiation in Industrial Wastewater Treatment"*	The International Conference on Civil, Environmental and Mechanical Engineering	Bangkok, 4– 5, April, (2015)
4	Tun Tun Naing, NT	*Gamma Radiation Disinfection of Industrial Wastewater and Sludge*	The Fifth International Conference on Science and Engineering, ICSE 2014	Yangon, 29-30, December, (2013)

Design, Analysis and Estimation (Conference Papers)

Sr	Name	Publication Paper	Journal/Paper Organization	Volume/Publishd Year
1	Zin Zin Nwe, CSE	Identification of Seismic Vulnerability Zones based on Land Use Condition	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	(2016) Volume 23, No 1, pp 90-102
2	Saw Yu Mon, Mech	*Performance Analysis of Formaldehyde addition in CNG (HCCI) Engine*	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	India, 4(8), August (2015)
3	Aung Kyaw Soe, Mech	*Numerical Flow Analysis of an Axial Flow Pump*	International Journal of Engineering and Applied Sciences	2(7) (2015) 16-21
4	Saw Yu Mon, Mech	*Performance Analysis of Formaldehyde addition in CNG (HCCI) Engine*	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	India, 4(8), August (2015)
5	Aung Kyaw Sein, Mech	*Investigation of Stress Formation and Wear Effect of Tool by Finite Element Simulation*	*American Journal of Mechanical Engineering (AJME)*	American, 2015, Vol. 3, No. 5, 147-154
6	Su Pon Chit, Mech	*Flow Analysis in Shell Side on the Effect of Baffle Spacing of Shell and Tube Heat*	International Journal of Science, Technology and Society, Science Publishing Group	USA, 3(5) (2015) 254-259
7	Win Lai Htwe, Mech	*Structural and Thermal Analysis of Various Holes Configuration Effect on Gas Turbine Rotor Blade*	International Journal of Scientific and Research Publications	ISSN 2250-3153, Volume 5, Issue 8, August, 2015
8	Win Lai Htwe, Mech	*Design and Stress Distribution of First Stage Gas Turbine Rotor Blade*	International Journal of Scientific Engineering and Technology Research, Semar Groups	Hyderabad, India, May, 2014

Design, Analysis and Estimation (Conference Papers)

9	Aung Myat Thu, Mech	*Mathematical Modeling of a Ship Motion in Waves under Coupled Motions*	International Journal of Engineering and Applied Sciences (IJEAS)	Volume 2, Issue 12, Page 14-22, USA, December, (2015)
10	*Aung Ko Latt, Mech*	*Thermodynamic and Dynamic Analysis of Four-Cylinder Crankshaft*	*International Journal of Scientific Research in Science, Engineering and Technology, (IJSRSET)*	*India, 2(1), February (2016)*
11	Nang Saing Nuet, Mech	*Numerical Investigation of Flow Profile and Performance Test of Cross-Flow Turbine*	American Scientific Research Journal for Engineering, Technology and Science (ASRJETS)	Volume 26, No.4, December, (2016)
12	Zar Ni Tin Win, Mech	*Performance Test and Structural Analysis of Cross-Flow Turbine*	American Scientific Research Journal for Engineering, Technology, and Sciences, ASRJETS	ISSN 2313-4410, Volume 26, Number 4, Pages 285-303, November, 2016
13	May Mya Darli Cho, Mech	*Vibrational Analysis of Passive Suspension System for Solar Vehicle*	International Journal of Scientific and Research Publications, IJSRP	ISSN 2250-3153, Volume 7, Issue 12, December, 2017
14	Hlwan Htet Htet San, Mech	*Investigation of Stress Analysis of Power Train Units for Light-Weight Car*	International Journal of Scientific and Research Publications, IJSRP	ISSN 2250-3153, 7(12), December, 2017
15	Nan Kay Thi Lin, Mech	*Design, Simulation and Performance on the Effect of Modification on Impeller Tip for Pump as Turbine (PAT)*	International Journal of Scientific and Research Publications (IJSRP)	Volume 7, Issue 12, December, (2017)
16	Thet Mon Soe, CSE	*Comparison of Turbulence Models for Computational Fluid Dynamics simulation of Wind Flow on cluster of Building in Mandalay*	International Journal of Scientific and Research Publications (IJSRP)	Volume 7, Issue 8, August (2017), pp 337-350

Design, Analysis and Estimation (Conference Papers)

17	Aung Mon, CSE	*Proposed Performance-Based Seismic Design Method for Assessing Vulnerability and Fragility of RC Buildings*	IJRSP	Volume 7,Issue 10, October 2017
18	Nay Yee Kyaw, CSE	*Evaluation of Structural Stability Improvement Systems for Existing RC Buildings*	International Journal of Scientific and Research Publications (IJSRP)	Volume 7, Issue 8, August (2017), pp 351-363
19	Win Cherry, CSE	*Evaluation of Seismic performances and Development of Strengthening Techniques for Existing Vulnerable buildings in Myanmar,*	International Journal of Science and Research Publication	Volume 11, November 2017
20	Hay Man Myint Maung, CSE	*Investigation of Integral Bridge Effect under Dynamic Loading*	International Journal of Scientific and Research Publications	Volume 7, May,(2017)
21	Kaung Myat, CWRE	*Proposal of Water Allocation Plans for Mandalay Area in Myanmar*	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS**)**	(2019) Volume 31, No. 1, pp 24-39
22	Nwe Nwe Win, CSE	*Seismic Performance Comparison of Fixed Base and Isolated Base Steel Multi-Storey Building*	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	USA, 29(1)Apirl (2017)
23	*Thae Mon Zaw, CSE*	*Optimization of Damper System Design for Pounding of High-rise Building*	*International Journal of Scientific and Research Publications (IJSRP)*	*ISSN 2250-3153, 7(11) (2017) 153-165*

Design, Analysis and Estimation (Conference Papers)

24	Zin Zin Nwe, CSE	Identification of Seismic Vulnerability Zones based on Land Use Condition	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	(2016) Volume 23, No 1, pp 90-102
25	Nan Pau Za War, CSE	*Development of Damage Patterns and Fragility Curves in Bridge- nagging Building From the Thabeikkyin, Myanmar*	International Journal of Earthquake Engineering, Tayler and Francis Group,	2017
26	Nan Pau Za War, CSE	*Developing a simple survey Procedure for Seismic Risk Evolution in 2012 Thabeikkyin Earthquake, Myanmar*	International Journal for Science and Engineering Research	6 October , Issue 10 2017 Edition

Design, Analysis and Estimation (Conference Papers)

Sr	Name	Publication Paper	Journal/Paper Organization	Volume/ Published Year
1	Zin Zin Nwe, CSE	*Seismic Hazard Analysis using AHP-GIS*	International Conference on Civil, Architectural and Environmental Engineering (CAEE-16)	June (2016), Bangkok (Thailand), pp 53-58
2	Zin Zin Nwe, CSE	*Estimation of MSK Seismic Intensity for Thabeikkyin Earthquake by Questionnaire Method*	The 5th International Conference on Science and Engineering (ICSE 2014)	Inya Lake Hotel, Yangon, Myanmar, December (2014)
3	Nan Pau Za War, CSE	*Damage Patterns of Typical Local Houses in the Thabeikkyin Earthquake*	The 5th International Conference on Science and Engineering (ICSE 2014)	Inya Lake Hotel, Yangon, Myanmar, December (2014)
4	Nan Pau Za War, CSE	*Development of Damage Rate and Damage Index Functions for Brick-nagging Wooden*	International Conference on Civil, Architectural and Environmental Engineering (CAEE-16)	23-24 June (2016), Bangkok (Thailand)
5	Hay Man Myint Maung, CSE	*Performance of Skew Integral Bridge under Dynamic Loading*	International Conference on Science, Innovation and Management (ICSIM)	5-6 June (2017)
6	Hay Man Myint Maung, CSE	*Effect of Integral Bridge with Span Variation under Dynamic Loading*	International Conference on Engineering, Technology, Science and Management (ICETSM)	7th, (2017)
7	Hay Man Myint Maung, CSE	*Development of Stress Reduction Method on the Integral Bridge under Dynamic Loading*	7th International Conference on Science and Engineering (ICSE)	YTU, Yangon, Myanmar, 2016

Design, Analysis and Estimation (Conference Papers)

8	Pyin Sa Oo, CSE	*Seismic Analysis of Cultural Heritage Structure in Mandalay City*	International Conference on Nanotechnology, Environmental and Civil Engineering (ICNECE-16)	Bangkok, December (2016)
9	Pyin Sa Oo, CSE	*Investigation on Seismic Safety of Existing Reinforced Concrete Buildings in Mandalay City*	The 6th International Conference on Science and Engineering (ICSE 2015)	YANGON
10	*Thae Mon Zaw, CSE*	*Damper System Design for Pounding Effect between Existing High-rise Building and its Extension*	*International Conference on Science, Innovation and Management (ICSIM)*	*Bangkok, Thailand, June (2017)*
11	*Thae Mon Zaw, CSE*	*Coupling-building Method for Pounding of Adjacent High-rise Buildings*	*The Seventh International Conference on Science and Engineering (ICSE 2016)*	*Yangon Technological University, Yangon, Myanmar, December 10-11, (2016)*
12	Win Cherry, CSE	*Study on Technical Approaches for Obtaining Earthquake Resistant Non-engineered Brick-nogging Buildings in Mandalay Region*	6th International Workshop on Seism tectonics in Myanmar	Earthquake Risk Management, 2017
13	Win Cherry, CSE	*Study on Performance based Seismic Evaluation and Strengthening for Vulnerable Buildings in Mandalay Region*	ICSIM International Conference	Bangkok, 2017
14	Win Cherry, CSE	*Investigation on Seismic Fragility Assessment for Vulnerable Buildings in Mandalay Region*	The Seventh International Conference on Science and Engineering (ICSE 2016)	Yangon Technological University, Yangon, December, 2016

Design, Analysis and Estimation (Conference Papers)

15	Aung Mon, CSE	*A Simplified Performance-Based Seismic Design Method for RC Buildings*	International Conference on Science, Innovation and Management (ICSIM)	5-6 June 2017 Bangkok Thailand
16	Aung Mon, CSE	*Performance-Based Seismic Design and Structural Reliability Assessment of RC Building*	The Seventh International Conference on Science and Engineering(ICSE)	10-11 December, 2016 at Yangon Technological University, Yangon, Myanmar
17	Nay Yee Kyaw, CSE	*Improvement of Structural Deficiencies for Existing Reinforced Concrete Buildings*	ASEAN Science Technology and Innovation Conference (STI 2017)	MICC-II, Nay Pyi Taw, Myanmar, October (2017)
18	Nay Yee Kyaw, CSE	*Study on Seismic Improvements of Existing Reinforced Concrete Buildings*	International Conference on Science, Innovation and Management (ICSIM)	Bangkok, June (2017)
19	Nay Yee Kyaw, CSE	*Investigation on Structural Deficiencies of Existing Reinforced Concrete Buildings*	The 7th International Conference on Science and Engineering (ICSE 2016)	Yangon Technological University, Yangon, Myanmar, December (2016)
20	Thet Mon Soe, CSE	*Investigation on the wind flow Behaviors of High Rise Buildings Cluster*	International Conference on Science, Innovation and Management (ICSIM)	Bangkok, June (2017)
21	Thet Mon Soe, CSE	*Investigation on Computation Fluid Dynamics (CFD) Simulation of Wind flow around Buildings*	The 7th International Conference on Science and Engineering (ICSE 2016)	Yangon Technological University, Yangon, Myanmar, December (2016)
22	Saw Yu Mon, Mech	*Piston Modification of Converting Enginefrom Diesel to CNG*	The First International Conference on Energy, Environment and Human Engineering (ICEEHE)	Yangon, Myanmar, 22-23 December (2013)

Design, Analysis and Estimation
(Conference Papers)

23	Saw Yu Mon, Mech	*Investigation of Diesel Converted CNG Engine Combustion by Using Zero Dimensional Single Zone Model*	The Fifth International Conference on Science and Engineering (ICSE)	Yangon, Myanmar, 29-30 December (2014)
24	Saw Yu Mon, Mech	*Numerical Analysis of Combustion Process In CNG(HCCI) Engine*	The Second International Conference on Engineering Technology and Management (ICETM)	Singapore, 31st May (2015)
25	Aung Kyaw Soe, Mech	*Design and Flow Simulation of an Axial Flow Pump*	The Fifth International Conference on Science and Engineering	Yangon, Myanmar, December 30-31, 2014
26	Aung Kyaw Soe, Mech	*Numerical Investigation of the Effects of Blade Number on Flow Behaviors of an Axial Pump*	International Conference on Mechanical, Aeronautics and Production Engineering	Bangkok, Thailand, April 4-5, 2015
27	AungKyawSein, *Mech*	*Prediction of Three Dimensional Milling Forces Based on Finite Element Method for Up Milling Process of Titanium Alloy (Ti-6Al-4V)*	The Second International Conference on Engineering Technology and Management (ICETM)	Singapore, 31.5.2015
28	Aung Kyaw Sein, Mech	*Static Deflection Analysis of End Mill Tools for CNC Milling Machine*	The Fifth International Conference on Science and Engineering (ICSE)	Yangon, Myanmar, December 29-30 (2014)
29	Su Pon Chit, Mech	*Design Optimization of Shell and Tube Heat Exchanger*	The Fifth International Conference on Science and Engineering	Yangon, Myanmar, (2014) 29-30
30	Su Pon Chit, Mech	*Design Optimization of Shell and Tube Heat Exchanger for Oil Cooler by ComsolMultiphysis*	International Conference on Mechanical, Aeronautics and Production Engineering	Bangkok, Thailand, 4(5) (2015) 6-10

Design, Analysis and Estimation (Conference Papers)

31	Win Lai Htwe, Mech	*Design and Thermal Analysis of Gas Turbine Blade*	International Conference on Engineering Technology and Management, ICETM	Singapore, May, 2015
32	Win Lai Htwe, Mech	*Design and Structural Analysis of First Stage Gas Turbine Rotor Blade*	The Fifth International Conference on Science and Engineering, ICSE	Myanmar, December, 2014
33	AungMyat Thu, Mech	*Numerical Investigation of Ship's Uncoupled Roll, Heave and Pitch Motion in Irregular*	The International Conference on Engineering, Technology and Management (ICETM-2015)ISERD	Bangkok, Thailand, May-16, (2015)
34	Aung Myat Thu, Mech	*Numerical Simulation of Naval Ship's Roll Motion In Wave*	The Fifth International Conference on Science and Engineering	Yangon, Myanmar, December 29-30, (2014)
35	Aung Ko Latt, Mech	*Modeling, Analysis and Optimization of a Four Cylinder Engine Crankshaft*	International Conference on Mechanical, Aeronautics and Production Engineering	Bangkok, Thailand, April 4, (2015)
36	Aung Ko Latt, Mech	*Design and Strength Analysis of Crankshaft for 3C Diesel Engine*	The Fifth International Conference on Science and Engineering	*Yangon, Myanmar, December 29-30, (2014)*
37	Nang Saing Nuet, Mech	*Experimental Investigation of Cross-Flow Turbine*	The International Conference on Mechanical and Aerospace Engineering (ICMAE-2016)	Pattaya, Thailand, October 20-21, (2016)
38	Nang Saing Nuet, Mech	*Design Optimization and Flow Analysis on the Runner Blade of Cross-Flow Turbine*	The Sixth International Conference on Science and Engineering	Yangon, Myanmar, December 12-13, (2015)

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(Conference Papers)

39	Zar Ni Tin Win, Mech	*Design, Construction and Performance Test of Cross-Flow Turbine*	International Academy of Science, Technology, Engineering and Management, IASTEM	Pattaya, Thailand, October, 2016
40	Zar Ni Tin Win, Mech	*Design and Structural Analysis of Cross-Flow Turbine Runner Blade*	The Sixth International Conference on Science and Engineering, ICSE	Myanmar, December, 2015
41	May Mya Darli Cho, Mech	*Design and Analysis of Leaf Spring for Solar Vehicle*	International Conference on Science, Innovation and Management ICSIM	Bangkok, Thailand, June, 2017
42	May Mya Darli Cho	*Investigation of Chassis Frame for Solar Vehicle*	The Seventh International Conference on Science and Engineering, ICSE	Myanmar, December, 2016
43	Hlwan Htet Htet San, Mech	*Design and Contact Stress Analysis of Helical Gear for Light-Weight Car*	International Conference on Science, Innovation and Management, ICSIM	Bangkok, Thailand, 5th-6th June, 2017
44	Hlwan Htet Htet San, Mech	*Design and Structural Analysis of Helical Gear for Light-Weight Car*	The Seventh International Conference on Science and Engineering, ICSE	Myanmar, December, 2016
45	Nan Kay Thi Lin, Mech	*Comparison of Performance Improvement on Impeller Round Tip and Flat Tip for Pump as Turbine*	International Conference on Science, Innovation and Management (ICSIM) THE IIER	Bangkok, Thailand, June 5-6, (2017)
46	Nan Kay Thi Lin, Mech	*Numerical Aspects and Experimental Work on Modification of Impeller Tip for Pump as Turbine*	The Seventh International Conference on Science and Engineering	Yangon, Myanmar, December 10-11, (2016)

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Sr	Name	Publication Paper	Journal/Paper Organization	Volume/Publishd Year
1	Aye Min Soe, EC	*Vector Quantization –Based Speech Recognition System for Home Appliances,*	Proceedings of 23rd The IIER International Conference,	Singapore, 25th April 2015, ISSN: 978-93-82702-99-3
2	Aye Min Soe, EC	*Implementation of Speech Recognition for Smart Home Appliances,*	The Fifth International Conference on Science and Engineering	Dec 29-30, 2014, Inya Lake Hotel, Yangon
3	Win Kay Khaing, EC	*"Analysis of Acquisition and Tracking Algorithms for Software GNSS Receivers"*	23rd The IIER International Conference	Singapore, 25th April 2015, ISBN: 978-93-82702-99-3
4	Win Kay Khaing, EC	*"Comparison of Serial and Parallel Acquisition Algorithms for Software GPS Receiver"*	The Fifth International Conference on Science and Engineering	December 29-30, 2014, Inya Lake Hotel, Yangon, Myanmar.
6	Naing Lin Aung, EC	*"Generating Realistic Mobility Model and Analysis of AODV Routing Protocol in VANET at T-intersection"*	*ISERD International Conference*	*Bangkok, Thailand, 16th May 2015, PP: 78-83, ISBN: 978-93-85465-12-3*
7	Naing Lin Aung, EC	*"VANET Mobility Model for I-shape Road Map and Vehicle Movements at Yangon-Mandalay Main Road and Sagaing Road T-junction in Mandalay"*	The 4th International Conference on Science and Engineering	*Yangon, Myanmar, December, 2014*
8	Kyaw Myo Lin, EP	*Open Source Software Based Linear Analysis of Myanmar National Grid Test System*	International Conference on Industrial Electronics and Electrical Engineering (ICIEEE-2015)	Singapore, March 8, 2015 ISBN: 978-93-82702-73-3, pp 14-19

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9	Aye Myat Thin, EP	*Dynamic Modelling ofDoubly Fed Induction Generator Based Wind Turbine System*	(ICTAEECE)	
10	Chaw Su Hlaing, EP	*Voltage Stability Enhancement of Radial Distribution Network with Distributed Generation*	The Fifth International Conference on Science and Engineering, (ICSE)	Yangon, Myanmar December 29-30, 2014
11	Chaw Su Hlaing, EP	*Integration of Dispatchable DG Unit in Distribution System for Voltage Profile Improvement and Network Loss Reduction*	The Sixth International Conference on Industrial Electronics and Electrical Engineering (ICIEEE-2015)	Singapore, March 8, 2015, ISBN: 978-93-82702-73-3, pp1-7
12	Su Mon Myint, EP	*Network Reconfiguration for Loss Reduction and Voltage Profile Improvement of 74-Bus Radial Distribution System Using Particle Swarm Optimization Algorithm*	The Nineteenth International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE)	ISBN: 978-93-82702-89-4, Convenient Grand Hotel, Bangkok, Thailand, 4th April 2015 56-62
13	Su Mon Myint, EP	*Capacitors Placement for Loss Reduction and Voltage Profile Improvement of Dagon Seikkan Township*	The Fifth International Conference on Science and Engineering (ICSE)	Inya Lake Hotel, Yangon, Myanmar, 1 29-30 December (2014) 32-38
14	Su Hlaing Win, EP	*Analytical Approach of Distributed Generation on Distribution System for Voltage Profile Improvement*	International Conference on Technological Advances Electrical, Electronics and Computer (ICTAEECE)	Convenient Grand Hotel, Bangkok, Thailand , April 4-5 (2015)
15	Su Hlaing Win, EP	*Optimal Placement and Sizing of DG for Power Loss Reduction*	Fourth International Conference on Science and Engineering (ICSE)	Inya Lake Hotel, Yangon, Myanmar, December 29-30, (2014)

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16	Phyu Phyu Thin, IT	*MIMO Channel Optimization in Indoor Line-of-Sight (LOS) Environment*	International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE)	Singapore, April (2015) 114-118
17	Phyu Phyu Thin, IT	*Indoor MIMO Channel Capacity Prediction in Line-of-Sight (LOS) Environment*	The 5th International Conference on Science and Engineering (ICSE 2014)	Inya Lake Hotel, Yangon, Myanmar, December (2014)
18	Thwe Thwe Ngwe, IT	*Hybrid Cryptosystem for Data Security*	International Conference on Technological Advances in Electronics and Computer Engineering	Singapore, (2015) 86-91
19	Thwe Thwe Ngwe, IT	*Performance Analysis of NTRU and proposed ONTRU*	The 5th International Conference on Science and Engineering	Yangon, Myanmar, (2014) 97-101
20	Yin Mon Swe, IT	*A New Fuzzy Based Filter For High Density Salt and Pepper Noise*	The 5th International Conference on Science and Engineering (ICSE)	Inyar Lake Hotel, Yangon, Myanmar, December, (2014)
21	Yin Mon Swe, IT	*An Enhancement of Fuzzy-based Image Denoising for Gaussian Noise*	The 6th International Conference on Communication Software and Networks (ICCSN 2014)	Singapore, April, (2015)
22	Phyo Thet Khine, IT	*Correlation Based Car Number Plate Extraction System*	International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE)	Singapore, April (2015), 97-102

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23	Phyo Thet Khine, IT	*Optimization of Maximum A Posteriori (MAP) for Single Blur Image*	The 5th International Conference on Science and Engineering (ICSE 2014)	Inya Lake Hotel, Yangon, Myanmar, December (2013)
24	KhinThida Win, IT	*Image Compression based on Modified Walsh-Hadamard Transform (MWHT)*	International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE)	Singapore, April (2015), 97-102
25	KhinThida Win, IT	*Image Compression using Walsh-Hadamard Transform*	The 5thInternational Conference on Science and Engineering (ICSE2014)	Inya Lake Hotel, Yangon, Myanmar, December (2014)
26	Thet War Soe, IT	*Optimization of Indoor Ray Tracing Propagation Model for Mobile Communication Network*	The 5th International Conference on Science and Engineering (ICSE 2014)	Innya Lake Hotel,Yangon, Myanmar, 29-30 December, (2014)
27	Thet War Soe, IT	*Indoor Radio Wave Propagation with Ray Tracing Technique*	The International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE)	April, (2015), 92-96
28	Aye Mya Nyein, IT	*Word Sense Disambiguation based Myanmar-to-English Machine Translation System*	International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE)	Singapore, April (2015), 66-70
29	Aye Mya Nyein, IT	*Bilingual Corpus based Myanmar WSD Approach to Support Myanmar-to-English Machine Translation*	The 5th International Conference on Science and Engineering (ICSE 2014)	Inya Lake Hotel, Yangon, Myanmar, December (2013)

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30	Wai Mar Myint, McE	*Design and Implementation of Jointed Robot Arm Control System*	International Conference on Technological Advances in Electrical, Electronics, and Computer Engineering (ICTAEECE)	Singapore, (2015)
31	Zin May Zaw, IT	*Image Steganography Based Information Security System*	International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE)	Singapore, April (2015) 97-102
32	Zin May Zaw, IT	*Image Security System Based on Block-based Transformation Approach*	The 5th International Conference on Science and Engineering (ICSE 2014)	Inya Lake Hotel, Yangon, Myanmar, December (2013)
33	Nang Khin Su Yee, McE	*Automatic Time Compensation System for Dispenser Control Unit Depending on Temperature*	International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE)	Singapore, April 25, (2015)
34	Nang Khin Su Yee, McE	*Dispenser Control System of Fuel Station*	The Fifth International Conference on Science and Engineering (ICSE)	Yangon, Myanmar, December 29, (2014)
35	Than Htike Aung, EC	*Comparative Study on Routing Protocols of Wireless Sensor Network for Precision Agriculture*	13th RESEARCH WORLD INTERNATIONAL CONFERENCE	ISSN-978-93-85973-55-0, Singapore, (2016) 37-41
36	Than Htike Aung, EC	*NS2-based Simulation of LEACH Protocol Analysis on Different Parameters for Precision Agriculture*	The Sixth International Conference on Science and Engineering (ICSE)	Yangon, Myanmar, (2015)

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37	May San Hlaing, EC	*Analysis of Autopilot System Based on Bank Angle of Small UAV*	International Conference on Science, Technology, Engineering and Management	Singapore, March 4, (2016)
38	May San Hlaing, EC	*Implementation of Guidance and Control for Bluebird Unmanned Aerial Vehicle Take-off and Tracking System*	The sixth International Conference on Science and Engineering	Yangon Technological University, Myanmar, December 12-13, (2015)
39	May San Hlaing, EC	*Analysis of Stability Control System for Biuebird UAV System*	International Joint Forum on LED Technology For Green	Myanmar, (2015)
40	Thwe Thwe Htoo, EC	*Implementation of PID Controller Design For Bluebird UAV System*	International Conference on Science and Engineering	Yangon, Myanmar, August , (2015)
41	Thwe Thwe Htoo, EC	*Implementation of Evaluation of Linear Quadratic Regular Controller and Time Delay Analysis for Unmanned Aerial Vehicle*	International Conference on Science and Engineering	Yangon Technological University, Myanmar, December, (2015)
42	Nyan Phyo Aung, EC	*TRUETIME Simulation Tool for Networked Control System*	MTUJSET ICSTEM (2016)	2(6) (2015)98-102
43	Nyan Phyo Aung, EC	*Analysis of Time Delay Simulation in Networked Control System,*	ICSTEM	Singapore, 2016
44	Nyan Phyo Aung, EC	*Simulation of Networked Control System Based on CAN Bus and TRUETIME*	International Conference on Science and Engineering	Yangon, ICSE2015, Myanmar, (2015)
45	Su Naing Myint, EP	*Design and Fabrication of Wireless Based Automated Car Parking Prototype System*	International Academy of Science, Technology, Engineering and Management, IASTEM	Pattaya, Thailand, October, 2016
46	Su Naing Myint, EP	*Design and Construction of Automated Car Parking System*	The Sixth International Conference on Science and Engineering (ICSE)	Yangon Technological University, Myanmar, December, 2015

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47	Nyan Phyo Aung, EC	*Survey on Networked Control System for Modern Industry*	International Joint Forum on LED Technology for Green Myanmar	Yangon, Myanmar, (2015)
48	Lai Lai Win, EP	*Design Consideration of Electrical Distribution and Lightning Protection Systems for High Rise Building*	International Conference on Engineering Technologies and Big Data Analytics	Bangkok, Thailand, (12-13 May, 2016)
49	Lai Lai Win,EP	*Design Consideration of BusbarTrunking System for High Rise Building,*	International Conference on Science and Engineering	Yangon, Lower Myanmar, (12-13 December, 2015)
50	Sat Sat Aung, EP	*Performance Analysis of Automatic Generation Control for two area power system using PID controller*	The World Wide Summit on Engineering Technologies and Big Data Analytics (ETBDA-16), TECHNOARETE	Bangkok, Thailand, 5 June (2016)
51	Sat Sat Aung, EP	*Design and Simulation of Load Frequency Control in Single Area Power System Using PID Controller*	The Sixth International Conference on Science and Engineering (ICSE 2015)	Yangon Technological University, Yangon, Myanmar, December 12–13, 2015
52	Aung Kyaw Min, EP	*Stability Analysis of Distributed Generation in Mesh Distribution Network in Free and Open Source Software*	Engineering Technologies and Big Data Analytic (ETBDA)	Bangkok, Thailand, June 5, 2016
53	Aung Kyaw Min, EP	*A Method of Allocation of Distributed Generation in Distribution Network for Enhancing Voltage Stability*	The Sixth International Conference of Science and Engineering (ICSE15)	Yangon, Myanmar, December 12-13, 2015
54	Ei Phyo Thwe, EP	*WT-ANN Based Approach for Improved Estimation of The Fault Location on 230 kV Shwesaryan-Mansan Transmission Line*	*The World Wide Summit on Engineering Technologies and Big Data Analytics*	*(ETBDA-16), Bangkok, June (2016)*

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55	Ei Phyo Thwe, EP	*Detection and Location of Faults in 230kV Transmission Line by uisng Discrete Wavelet Transform*	The 6th International Conference on Science and Engineering (ICSE 2014)	YANGON TECHNOLOGICAL UNIVERSITY, Yangon, Myanmar, December (2014)
56	Moh Moh Myint Aung, EP	*Power Factor Improvement using Fixed Capacitor-Thyristor Controlled Reactor (FC-TCR) with Fuzzy Logic Controller*	The Sixth International Conference on Science and Engineering (ICSE 2015)	Yangon, Myanmar, December 12-13, 2015
57	Moh Moh Myint Aung, EP	*Voltage Stability Improvement using Static Var Compensator with Fuzzy Logic Controller*	The World Wide Summit on Engineering Technologies and Big Data Analytics (ETBDA-16)), TECHNOARETE	Bangkok, Thailand, June 5, 2016
58	Thaw Tar Tun, EP	*Power Loss Reduction Using Thyristor Controlled Series Capacitor*	The World Wide Summit on Engineering Technologies and Big Data Analytics (ETBDA-16), TECHNOARETE	Bangkok, Thailand, June 5, 2016, ISBN: 978-93-82702-73-3, pp. 8-13
59	Thaw Tar Tun, EP	*Voltage Level Improvement By Using STATCOM*	The Sixth International Conference of Science and Engineering (ICSE 2015)	Yangon, Myanmar, December 12-13, 2015
60	*Lei Lei Tun Shwe, McE*	*Robust Mobile Robot Self-Localization System With Sensor Fusion*	*International Conference on Recent Innovations in Engineering and Technology (ICRIET)*	*Singapore, August 2-3, 2017*
61	*Lei Lei Tun Shwe, McE*	*Mobile Robot Self¬-Localization and Mapping for Structured Indoor Environment*	*The Seventh International Conference on Science and Engineering (ICSE)*	*Yangon, Myanmar, December 10-11, 2016*

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62	Theint Theint Htwe, McE	Vision - Based Human Tracking with Color Detection for Autonomous Mobile Robot	(ICRIET)	Singapore, August 2-3, 2017
63	Theint Theint Htwe, McE	Vision-based Human Tracking Robot using Kalman Filter	The Seventh International Conference on Science and Engineering (ICSE)	Yangon, Myanmar, December 10-11, 2016.
64	Theint Theint Htwe, McE	Real-Time Human Tracking and Obstacle Avoidance of Mobile Robo	AUN/SEED-Net Regional Conference for Computer and Information Engineering	2016.
65	May Htet, IT	Information Security System Based on Myanmar Text Steganography	The 6th International Conference on Science and Engineering	Yangon Technological University, Yangon, Myanmar, (65) (2015) 67
66	May Htet, IT	A New Embedding Algorithm for Data Security	International Conference on Data Mining, Electronics and Information Technology	Pattaya, Thailand, (4) (2015) 102-109
67	May Htet, IT	Two New Approaches to Myanmar Text Steganography for Data Confidentiality	The Regional Conference on Computer and Information Engineering	Yangon Technological University, Yangon, Myanmar, (56) (2016) 305-310
68	Su Mon Thu, IT	Data Embedding Approach for Message Authentication System	International Conference on the World Wide Summit on Engineering Technologies and Big Data Analytics (ETBDA-16)	Thailand, (2) (2016) 6-11
69	Su Mon Thu, IT	Performance Comparison of Proposed Embedding Method and Pixel Mapping Method	The 6th International Conference on Science and Engineering (ICSE 2015)	Yangon Technological University, Yangon, Myanmar, (64) (2015)

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70	Aye Aye Myat, IT	*Outdoor-to-Indoor Radio Wave Propagation at 2.4 GHz Measurement for Wireless Communications*	*The World Wide Summit on Engineering Technologies and Big Data Analytics (ETBDA-16)*	*Thailand, (3) (2016) 12-16*
71	Aye Aye Myat, IT	*Indoor-Outdoor Radio Wave Propagation System at 2.4 GHz*	The 6th International Conference on Science and Engineering (ICSE)	Yangon Technological University, Myanmar, December, (2015)
72	Aye Zar Chi Min, IT	*A New Angle-based Forwarding Method of Greedy Perimeter Stateless Routing Protocol for Vehicular Ad Hoc Network*	The 6th International Conference on Science and Engineering	*Yangon Technological University, Yangon, Myanmar, (69) (2015) 71*
73	Aye Zar Chi Min, IT	*Analysis of GPS and Zone Based Routing on Urban City Roads*	2015 International Conference on Data Mining, Electronics and Information Technology	Pattaya, Thailand, (3) (2015) 95-101
74	Zun May Myint, IT	*Analysis of Modified Inverse Document Frequency Variants for Word Sense Disambiguation*	Engineering Technologies and Big Data Analysis (ETBDA)	5th June, (2016)
75	Zun May Myint, IT	*Modified Inverse Document Frequency of K-Nearest Neighbor Based on WSD Approach*	The 6th International Conference on Science and Engineering (ICSE 2015)	Yangon Technological University, Yangon, Myanmar, 12-13 December, (2015)
76	Su Mon Phyo, IT	*PERFORMANCE COMPARISON OF SIMILARITY FUNCTIONS FOR DOCUMENT RETRIEVAL SYSTEM*	The Worldwide Summit on Engineering Technologies and Big Data Analytics (ETBDA-16)	Bangkok, June (2016)

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77	Su Mon Phyo, IT	*Developing Related Index Table for Effective IR System*	The 6th International Conference on Science and Engineering (ICSE 2014)	YANGON TECHNOLOGICAL UNIVERSITY, Yangon, Myanmar, December (2014)
78	Win Win Moe, IT	*Recommendation System using Double Averaging-based Collaborative Filtering*	International Conference on Engineering Technologies and Big Data Analytics (ETBDA)	Bangkok, Thailand, June (2016) 63-67
79	Win Win Moe, IT	*Performance Improvement on Item-based Collaborative Filtering using Ensemble Method*	The 6th International Conference on Science and Engineering (ICSE 2015)	Yangon Technological University, Yangon, Myanmar, December (2015)
80	Mya Sandar Oo, EC	*Implementation of PID and LQR Controller Design for Unmanned Aerial Vehicle*	International Conference on Recent Innovations in Engineering and Technology	Thailand, May 5-6, (2017)
81	Mya Sandar Oo, EC	*Development of Path Planning Algorithm for Unmanned Aerial Vehicle*	The seventh International Conference on Science and Engineering	Yangon Technological University, Myanmar, December 10-11, (2016)
82	Kyaw Zin Latt, EC	*WCF Based Real-time Data Monitoring for Steel Making Process via Internet*	International Conference on Recent Innovations in Engineering and Technology	Bangkok,Thailand, May 5-6,(2017)).
83	Kyaw Zin Latt, EC	*WCF Based Real-time Data Collection and Monitoring for Steel Making Process,*	The seventh International Conference on Science and Engineering (ICSE)	Yangon, Myanmar, December 10-11(2016).

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84	Saint Saint Pyone, McE	*Vision Based Extraction of Grasping Region of Objects*	246th The IIER International Conference on Recent Innovations in Engineering and Technology (ICRIET)	Singapore, August (2017), 16-21
85	Saint Saint Pyone, McE	*Object Recognition for Grasping Tasks using Industrial Robots,*	The 7th International Conference on Science and Engineering (ICSE 2016)	Yangon Technological University, Myanmar, December (2016)
86	Soe Yu Maung Maung, McE	"S-shaped One Trail Parallel Parking of A Car-Like Mobile Robot"	246th The IIER International Conference on Recent Innovations in Engineering and Technology (ICRIET)	Singapore, August (2017), 28-32
87	Soe Yu Maung Maung, McE	"Geometric Approach Path Planning for Parallel Parking Mobile Robot"	The 7th International Conference on Science and Engineering (ICSE 016)	Yangon Technological University, Myanmar, December (2016)
88	Saw Mon Yee Aung, IT	*2.4 GHz Indoor Path Loss Prediction Model for Multifloored Building*, MobiSys'16 Companion	ACM 978-1-4503-4416-6/16/06, DOI	http://dx.doi.
89	Saw Mon Yee Aung, IT	*An Empirical Multiwall and Multifloor Model in Indoor Radio Propagation*	AUN/SEED-Net Regional Conference on Computer and Information Engineering (RCCIE 2016)	Yangon Technological University, Yangon, Myanmar, (2016)
90	Saw Mon Yee Aung, IT	*The Effect of Human on Multiwall and Multifloor Model in Indoor Radio Propagation*	The 7th International Conference on Science and Engineering (ICSE)	Yangon Technological University, Yangon, Myanmar, (2016)
91	Saw Mon Yee Aung, IT	*Analysis of Indoor Channel Propagation Characteristics in Multifloored Building at 2.4 GHz*	21st Computer Science and Engineering Conference (ICSEC 2017)	IEEE Copyright 978-1-5386-0787-9/17 ©2017 IEEE, Thailand, (2017)
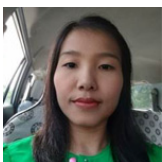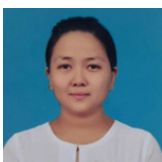
MTU DIRECTORY
for Science and Engineering

ACADEMIC STAFF AND THEIR AFFILIATION

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MTU Directory
for Science and Engineering

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Su Su** Ph.D (Architecture), Yangon Technological University Post-Doctoral Research, TU Vinenna Heritage and Urbanism
2		**Prof. Dr. Than Htay Oo** Ph.D (Architecture), Mandalay Technological University
3		**Prof. Dr. Myat Soe Phyu** Ph.D (Architecture), Mandalay Technological University
4		**Prof. Dr. Yin Min Paik** Ph.D (Architecture), Mandalay Technological University Urban
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6		**Daw Aye Thandar Win** Assistant Lecturer M.Arch (Architecture), Technological University (Mandalay) Urban Planning
7		**Daw Su Nandar Win** Assistant Lecturer M.Arch (Architecture), Technological University (Mandalay) Urban
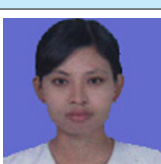
8		**Daw Mary Oo** Demonstrator M.Arch (Architecture), Mandalay Technological University Heritage and Urbanism
9		**Daw Khet Su Htwe** Demonstrator B.Arch (Architecture), Technological University (Mandalay) Heritage and Urbanism

1. Water Resources and Environmental Engineering laboratory

Serial	Staff Photo	Affiliation/Graduated Degree/Department Name/ Current Interest Area
1		**Prof.Dr. Nilar Aye** Head of Department Ph.D (CWRE) Department of Civil Engineering Water Resources Engineering
2		**Prof.Dr. Tin Tin Htwe** Ph.D (Civil), Ph.D (Engineering) Japan Department of Civil Engineering Water Resources Engineering
3		**Assoc.Prof. Daw Aye Aye Thant** M.E (CWRE), M.Engg(Civil & Environmental), Japan Department of Civil Engineering Water Resources Engineering
4		**Daw Ei Ei Phyu** Lecturer M.E (Civil) Department of Civil Engineering Environmental Engineering
5		**Daw Zin May Htun** Lecturer B.E (Civil) Department of Civil Engineering Water Resources Engineering

Academic Staff of Civil Engineering Department

6		**Dr. Yin Yin Htwe** Lecturer Ph.D (CWRE) Department of Civil Engineering Water Resources Engineering
7		**Dr. Shwe Sin Phyo** Lecturer Ph.D (CWRE) Department of Civil Engineering Water Resources Engineering
8		**Daw Kyu Kyu Hmwe** Assistant Lecturer M.E (Civil) Department of Civil Engineering Environmental Engineering
9		**Daw Yin Mon Phyo** Assistant Lecturer B.E (Civil) Department of Civil Engineering Environmental Engineering
10		**Daw Theingi Kyaw** Assistant Lecturer B.E (Civil) Department of Civil Engineering Water Resources Engineering
11		**Daw May Phyo Thu** Assistant Lecturer B.E (Civil) Department of Civil Engineering Water Resources Engineering
12		**Daw Phawe Phawe Ei** Assistant Lecturer B.E (Civil) Department of Civil Engineering Water Resources Engineering

2. Bridge and Structural Engineering laboratory

Serial	Staff Photo	Affiliation/Graduated Degree/Department Name/Current Interest Area
1		**Prof.Dr San Yu Khaing** Dr. Engg (Structure), Yoleehance Nechinal University, Japan Department of Civil Engineering Bridge and Structural Engineering
2		**Assoc.Prof. Daw Tin Ni Ni Ko** M.E (Civil, Structure) Department of Civil Engineering Bridge and Structural Engineering
3		**Dr. Wai Me Kyaw** Lecturer Ph.D (CSE) Department of Civil Engineering Bridge and Structural Engineering
4		**Dr. Khin Su Su Wai** Lecturer Ph.D (CSE) Department of Civil Engineering Bridge and Structural Engineering
5		**Dr. Thae Mon Zaw** Assistant Lecturer Ph.D (CSE) Department of Civil Engineering Bridge and Structural Engineering
6		**Dr. Nay Ye Kyaw** Demonstrator Ph.D (CSE) Department of Civil Engineering Bridge and Structural Engineering

Academic Staff of Civil Engineering Department

3. Wind and Earthquake Engineering laboratory

Serial	Staff Photo	Affiliation/Graduated Degree/Department Name/Current Interest Area
1		**Prof.Dr. Aye Mya Cho** Ph.D (Civil) Department of Civil Engineering Wind and Earthquake Engineering
2		**Assoc.Prof. Dr Thet Mon Soe** Ph.D (CSE) Department of Civil Engineering Wind and Earthquake Engineering
3		**Daw Phyo Yi Mon** Assistant Lecturer M. E (Civil) Department of Civil Engineering Wind and Earthquake Engineering

4. Geotechnical Engineering laboratory

Serial	Staff Photo	Affiliation/Graduated Degree/Department Name/Current Interest Area
1		**Prof.Dr. Kay Thwe Tun** Ph.D (Civil) Department of Civil Engineering Geotechnical Engineering
2		**Daw Aye Mya Moe** Assistant Lecturer B.E (Civil) Department of Civil Engineering Geotechnical Engineering
3		**Daw Zon Pyint Phyu** Assistant Lecturer B.E (Civil) Department of Civil Engineering Geotechnical Engineering

Academic Staff of Civil Engineering Department

| 4 | | **Daw Pyint Wai Wai Aung**
Assistant Lecturer
B.E (Civil)
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Geotechnical Engineering |

5. Building Materials and Construction Engineering laboratory

1		**Prof.Dr. Nang Su Le Mya Thwin** Ph.D (Civil) Department of Civil Engineering Shuclal Engg & BME
2		**Assoc.Prof. Dr. Ohnmar Zaw** Ph.D (CSE) Department of Civil Engineering Building Materials and Construction Structural Engg: Engineering
3		**Daw Kyi Kyi Thein** lecturer M.E (Civil) Department of Civil Engineering Building Materials and Construction Engineering
4		**Daw Hnin Nwe Aye** Assistant lecturer B.E (Civil) Department of Civil Engineering Building Materials and Construction Engineering

Academic Staff of Civil Engineering Department

Academic Staff and their Affiliation in Mandalay Technological University
Academic Staff of Mechanical Engineering

1. Solid Mechanic

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Htay Htay Win** Ph.D (Mechanical Engineering), Yangon Technological University Structural Mechanics
2		**Assoc.Prof. Dr. Myint Thein** Ph.D (Mechanical Engineering), Mandalay Technological University Structural Analysis on solid materials
3		**Assoc.Prof. Dr. Aung Ko Latt** Ph.D (Mechanical Engineering), Mandalay Technological University Farm Machinery , Solid Mechanics, Dynamics Analysis of
4		**Assoc.Prof. Dr. Nwe Ni Htun** Ph.D (solid /Materials), Chung Ang University, Korea. Mechanical Behavior of Materials
5		**Daw Ei Ei Khaing** Assistant Lecturer M.E(Mechanical Engineering), Technological University (Mandalay) Theory of Machine
6		**U Zaw Htet Win** Demostrator M.E(Mechanical Engineering), Mandalay Technological University (Structure/ Heat Transfer)

7		**Daw Khine Zar Win** Assistant Lecturer M.E(Course-Work), Mandalay Technological University

2. Fluid Mechanics Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Assoc.Prof. Dr.War War Min Swe** Ph.D (Mechanical Engineering), Nagasaki University, Japan Aerodynamics Analysis
2		**Assoc.Prof. Dr. Aung Myat Thu** Ph.D (Mechanical Engineering), Mandalay Technological University Fluid Dynamics
3		**Daw Khin Cho Thet** Assistant Lecturer M.E(Mechanical Engineering), Technological University (Hmawbi)

3. Thermodynamics and Heat Transfer Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Win Pa Pa Myo** Ph.D (Mechanical Engineering), (Nagasaki University) Japan. Film Boiling , Metal Quenching

2		**Assoc.Prof. Dr. Nyein Aye San** Ph.D (Mechanical Engineering), Mandalay Technological University Heat Transfer , Heat Pipe Technology
3		**Assoc.Prof. Daw Khin Mar Sein** M.E (Mechanical Engineering), Yangon Technological University Internal Combustion Engine
4		**Assoc.Prof. Dr. Saw Yu Mon** Ph.D (Mechanical Engineering), Mandalay Technological University Air Condition and Heat Transfer
5		**Dr.Ing-Nyein Nyein Linn** Lecturer Ph.D (Mechanical Engineering), (Otto-Von-Guericke University, Germany) Combustion Technology , Heat Transfer
6		**U Paing Htet Kyaw Kyaw** Lecturer M.E (Mechanical Engineering), Mandalay Technological University Metal Quenching, Film Boiling
7		**Daw Tin Moe Wai** Lecturer M.E(Thesis, Mechanical Engineering), Technological University(Hmawbi) Gas Turbine Compressor
8		**Daw Lai Ye Cho Oo** Assistant Lecturer M.E (Mechanical Engineering), Technological University (Hmawbi) Heat Transfer

4. Production Technology Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Ei Ei Htwe** Ph.D (Mechanical Engineering), Mandalay Technological University Automation and Manufacturing Technology
2		**Assoc.Prof. Hla Min Htun** Ph.D (Mechanical Engineering), Mandalay Technological University Machining Process
4		**Dr. Maw Maw Htay** Lecturer Ph.D (Industrial Engineering),(China) Management and Quality Control Production
5		**Daw Aye Aye Thet** Lecturer M.E (Mechanical Engineering), Technological University (Mandalay) Manufacturing Systems and Automation Technology
6		**Dr. Aye Myint Kyi** Lecturer Ph.D(Mechanical Engineering), Mandalay Technological University Optimization on Machining Process
7		**Dr. Khin Soe Nwe** Lecturer Ph.D (Mechanical Engineering), Mandalay Technological University Robotic Manipulator on the optimization of Kinematic and Dynamic Analysis

5. Renewable Energy Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Myat Myat Soe** Ph.D (Mechanical Engineering), Yangon Technological University Solar Technology, Hydropower , Wind Energy
2		**Daw Sandar Kyaw** Assistant Lecturer M.E(Mechanical Engineering), Technological University (Mandalay) Solar Thermal Technology, Hydropower , Wind Energy
3		**Daw Thuzar Oo** Assistant Lecturer M.E(Course-Work), Mandalay Technological University

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Tin Tin Hla** Ph.D (Electronic Engineering), Mandalay Technlolgical University, Semiconductor Technology
2		**Prof. Dr. Chaw Myat Nwe** Ph.D Electronic Engineering), Yangon Technological University Wireless communication, Antenna Engineering

3		**Prof.Dr. Ohnmar Win** Ph.D (Electronic Enginnering), MTU Image Processing, Pattern Recognition, computer Vision
4		**Prof.Dr. Su Su Yi Mon** Ph.D (Electronic Engineering, Beijing University of Aeronautic and A Stronautics RF Communication, Radar, Satellite and Wireless Communication
5		**Prof.Dr.Khin Sandar Lin** Ph.D (Electronic Engineering), MTU Network and communication
6		**Assoc.Prof.Daw Aye Thin Naing** M.E (Electronics), Yangon Technological University Control Engineering
7		**Assoc.Prof.Dr. Than Htike Aung** Ph.D (Electronic Engineering), MTU Engineering Materials, Semiconductor
8		**Assoc.Prof.Dr. Saw Aung Nyein Oo** Ph.D (Electronic Engineering), MTU Embedded and Control Engineering

Academic staff and Their Affiliation in Mandalay Technological University Academic Staff of Electronic Engineering

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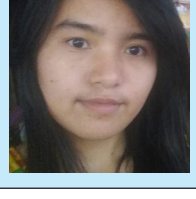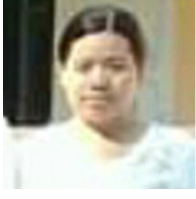
9		**Assoc.Prof.Dr. Win Zaw Hein** Ph.D (Electronic Engineering), Radar, Satellite,Radio communication, GPS and Space Plasma Karazawa University
10		**Assoc.Prof.Dr. Kyaw Zin Latt** Ph.D (Electronic Engineering), MTU Programmable Control and Automation
11		**Assoc.Prof.Dr. Zaw Minn MinnTun** Ph.D (Electronic Engineering), MTU Microcontoller ,sensor fusion and Embedded Technology
12		**Assic.Prof.U Zaw Myo Tun** M.E (Telecommunication), Moscow Aviation Institute Control Engineering
13		**Assoc.Prof. U Soe Nay Lin Aung** M.E (Automation and Control), Baumor Moscow State Technical University (BMSTU,Kaluge) Division of Control Engineering
14		**Dr.Maung Aye** Lecturer, Ph.D (Electronics Engineering), Moscow Power Engineering Institute, MPEI) Digital Signal Processing

15		**Dr.Myo Maung Maung** Lecturer, Ph.D (Electronics), Monday Technological University Control Engineering
16		**Daw Theingi Zin** Lecturer, Ph.D (Electrical Engineering), Chulalongkornk, University Signal Processing
17		**Dr. Nay Min Tun** Lecturer, Ph.D (Electronic Engineering), YTU UAV , Control
18		**U Naing Aung Soe** LecturerM.E (Automation and Control), Bauman Moscow State Technical University, BMSTU)Engineering Materials, Semiconductor
19		**Daw Su Mon Htet** Lecturer ME (Electronics) Mandalay Technologial University Engineering Materials, Semiconductor
20		**Daw Chaw Chaw** Lecturer, M.E (Electronics), Mandalay Technological UNiversity Communication

Academic Staff and Their Affiliation in Mandalay Technological University
Academic Staff of Electronic Engineering

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Academic staff and Their Affiliation in Mandalay Technological University

Academic Staff of Electronic Engineering

21		**Daw Yin Hnin Thet Tun** Lecturer, M.E (Electronics), TU (Monywa) Control Engineering
22		**Daw Aye Myat Thu** Lecturer, M.E (Electronics), Mandalay Technological University Communication and Networking
23		**Daw Mi Mi Ko** Assistant Lecturer, M.E (Electronics), YTU Speech Recognition and image Processing
24		**Daw Khin Thida Aung** Assistant Lecturer, M.E (Electronics), Hmawbi TU Communication
25		**Daw Mya Ei Mon** Assistant Lecturer, M.E (Electronics), WYTU Control Engineering
26		**Daw Yin Moe Hlaing** Assistant Lecturer, M.E (Electronics) WYTU Communication
27		**Daw Myat Wut Yi Han** Assistant Lecturer B.E (Electronics), TU (Maubin) Engineering Materials, Semiconductor

28		**Daw Wai Wai Phyo** Assistant Lecturer, B.E.C (Electronics), TU (Sittway) Communication Division of Communication Engineering
29		**Daw Myint Zin Mar** Assistant Lecturer Communication Division of Communication Engineering
30		**Daw Zin Wint Thu** Assistant Lecturer, B.E (Electronics), TU Mawlamyine Engineering Materials, Semiconductor
31		**Daw Ei Ei Phyo** Assistant Lecturer, B.E (Electronics) TU (Monywar) Communication
32		**Daw Cho Thet Htar** Demonstrator, B.E (Electronics), University of Technology, (Yadanarbon Cyber City) Control Engineering

1. Renewable Energy

Serial	Staff Photo	Affiliation/Graduated Degree/ DepartmentName/Current Interest Area
1		**Prof. Dr. Wanna Swe** Ph.D (Electromechanics and Electrical Apparatuses), Moscow Power Engineering Institute, Russia Energy conversion, Energy Storage, Energy Management, Energy Efficiency
2		**Dr. Lai Yin Win** Lecturer Ph.D (Electrical Power) Mandalay Technological University, Myanmar Renewable Energy
3		**Dr. Aye Myat Thin** Lecturer Ph.D (Electrical Power) Mandalay Technological University, Myanmar Renewable Energy
4		**Dr. Mai Kai Suan Tial** Lecturer Ph.D (Electrical Engineering), Kanazawa, Japan Renewable Energy.

Academic Staff and their Affiliation in Mandalay Technological UniversityAcademic Staff of Electrical Power Engineering Department

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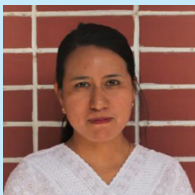
5		**Daw Thin Thin Lwin** LecturerME(Electrical Power)Mandalay Technological University, Myanmar. Renewable Energy.
6		**Daw Ei Ei Phyo** Assistant LecturerME(Electrical Power) Technological University, Hmawbi, Myanmar.Renewable Energy.
7		**Daw Myint Myint Thwe** Assistant LecturerBE(Electrical Power)Technological University, Sagaing,Myanmar.Renewable Energy.

2. Power Electronics

Serial	Staff Photo	Affiliation/Graduated Degree/Department Name/Current Interest Area
1		**Prof. Dr. Tun Lin Naing** Ph.D (Electrical Power) Mandalay Technological University, Myanmar Power Electronics

2		**Prof. Dr. Myint Thuzar** Ph.D (Electrical Power) Mandalay Technological University, Myanmar. Power Electronics.
3		**Assoc.Prof. Thet Tin** M.E (Electrical Power) Mandalay Technological University, Myanmar Power Electronics
4		**Assoc.Prof. San Myint Yee** M.E (Electrical Power) Mandalay Technological University, Myanmar Power Electronics
5		**Dr. Yu Yu Khin** Assistant Lecturer Ph.D (Electrical Power) Mandalay Technological University, Myanmar Power Electronics
6		**Daw Swe Swe Mar** Assistant Lecturer M.E (Electrical Power) Technological University, Pyay, Myanmar Power Electronics

7		**Daw San Yu Maw** Assistant Lecturer M.E(Electrical Power) Technological University, Sagaing, Myanmar Power Electronics

3. Power System

Serial	Staff Photo	Affiliation/Graduated Degree/ DepartmentName/Current Interest Area
1		**Prof.Dr. Swe Swe Myint** Ph.D (Electrical Power) Mandalay Technological University, Myanmar Power System
2		**Assoc.Prof. U Kyaw San Lwin** M.E (Electrical Power) Mandalay Technological University, Myanmar Power System
3		**Daw Thuzar Win** Lecturer M.E(Electrical Power) Yangon Technological University, Myanmar Power System
4		**Daw Chaw Su Hlaing** Lecturer B.E(Electrical Power) Technological University, Kyaukse, Myanmar Power System

3. Electrical Machines

Serial	Staff Photo	Affiliation/Graduated Degree/DepartmentName/Current Interest Area
1		**Assoc.Prof. Thet Naing Tun** M.E (Electrical Power) Mandalay Technological University, Myanmar Electrical Machines
2		**Assoc.Prof. Zaw Htet Myint** M.E (Electrical Engineering, Electromechanics and Electrotechnologics, Moscow State Auto Mobile and Road Technical University, (MADI), Russia. Electrical Machines, Material Science, Engineering Pedagogy
3		**U Zaw Win Paing** Lecturer B.E(Electrical Power) Mandalay Technological University, Myanmar Electrical Machines
4		**Daw Su Myat Thandar Win** Lecturer M.E(Electrical Power) Technological University, Mandalay, Myanmar Electrical Machines
5		**Daw San Naing Nang Zee** Assistant Lecturer BE(Electrical Power) Technological University, Keng Tung, Myanmar Electrical Machines

1. Robotic Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Aung Ko Win** Ph.D (Mechatronic Engineering), Mandalay Technological University, Myanmar Robotic and Control
2		**Dr. Su Yadanar** Lecturer Ph.D (Mechatronic Engineering), Mandalay Technological University, Myanmar Robotic and Automation
3		**U Tin Min Oo** Lecturer M.E (Mechatronic Engineering), Mandalay Technological University, Myanmar Design and Robotic control
4		**Dr.Ei Ei Wai Myo Win** Lecturer Ph.D (Mechatronic Engineering), Mandalay Technological University, Myanmar Robotics
5		**Daw Aye AyeMyint** Assistant Lecturer B.E (Mechatronic Engineering), Technological University (Monywa),Myanmar Robotic

Academic Staff and their Affiliation in Mandalay Technological University Academic Staff of Mechatronic

2. Control Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Kyaw Thiha** Ph.D (Mechatronic Engineering), Beihang University (BUAA) , China Advance Control
2		**Assoc.Prof. Dr.Aung Myat San** Ph.D (Mechatronic Engineering), Mandalay Technological University, Myanmar Visual Servo Control
3		**Assoc.Prof. Daw Wai Phyo Ei** M.E (Mechatronic Engineering), Yangon Technological University, Myanmar Industrial Automation and Control
4		**Daw Yamin Thuzar** Lecturer M.E (Mechatronic Engineering), Technological University (Kyaukse), Myanmar Power Control
5		**Dr. Me Me Ko** Assistant Lecturer Ph.D (Mechatronic Engineering), Mandalay Technological University, Myanmar Automation and Control
6		**Daw Wai Wai Maw** Assistant Lecturer M.E (Mechatronic Engineering), Mandalay Technological University, Myanmar Automation and Control

7		**Daw Lwin Ma Ma Maung** Assistant Lecturer M.E (Mechatronic Engineering), Technological University (Monywa), Myanmar Automation and Control
8		**Daw Htet Htet Zaw** Assistant Lecturer B.E (Mechatronic Engineering), Technological University(Kyaukse) , Myanmar Automation and Control
9		**Daw May Mon Phyo** Demostrator M.E (Mechatronic Engineering), Mandalay Technological University, Myanmar Automation and Control

3. Vision Laboratory

Serial	**Staff Photo**	**Affiliation/ Graduated Degree/ Department Name/ Current Interest Area**
1		**Prof. Dr. Wut Yi Win** Ph.D (Mechatronic Engineering), Mandalay Technological University, Myanmar. Machine Vision and Control
2		**Assoc.Prof. Dr. Yin Yin Aye** Ph.D (Mechatronic Engineering), Okayama University, Japan. Vision base Robot control
3		**Daw The Oo Mon** Assistant Lecturer M.E (Mechatronic Engineering), Yangon Technological University, Myanmar. Machine Vision

4		**Daw Mi Mi Myint Phu** Assistant Lecturer M.E(Mechatronic Engineering), Mandalay Technological University, Myanmar. Vision Control
5		**Dr. Lei Lei Htun Shwe** Demostrator Ph.D (Mechatronic Engineering), Mandalay Technological University, Myanmar. Machine Vision

Digital Signal and Image Processing

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Nang Aye Aye Htwe** Ph.D (Information Technology), Mandalay Technological University Natural Language Processing and Digital Signal Processing
2		**Assoc.Prof. Dr. Chit Su Htwe** Ph.D (Information Technology), Mandalay Technological University Digital Image Processing
3		**Dr. Thandar Soe** Lecturer Ph.D (Information Technology), Yangon Technological University Natural Language and Image Processing

4		**Dr. Moe Moe Myint** Lecturer Ph.D (Information Technology), Yangon Technological University Digital Image Processing, Embedded System
5		**Daw Khin Ohnmar Maung** Lecturer Ph. D (Thesis), Mandalay Technological University Image Processing and Machine Learning
6		**Daw Soe Yi Zaw** Lecturer M.E (Information Technology), Mandalay Technological University Noise Filtering and Signal Processing

Information Security

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Assoc.Prof. Dr. Mya Thidar Myo Win** Ph.D (Information Technology), University of Technology (Yatanarpon Cyber City) Information Security
2		**Assoc.Prof. Dr. May Htet** Ph.D (Information Technology), Mandalay Technological University Information Security and Data Mining
3		**Dr. Zin May Zaw** Lecturer Ph.D (Information Technology), Mandalay Technological University Information Security
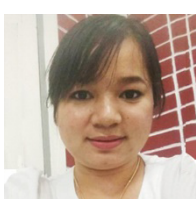
4		**Daw Soe Soe Mar** Lecturer M.E (Information Technology), Technological University (Hmawbi) Information Security and Cryptography
5		**Daw Pan Nu Win** Assistant Lecturer M.E (Information Technology), Technological University (Mandalay) Information Security and Cryptography
6		**Daw Cho Cho Htet** Demonstrator Ph. D (Thesis), Mandalay Technological University Block Chain
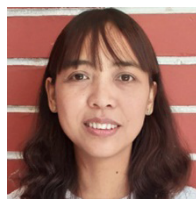
Data Communication and Networking

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Mya Zin Oo** Ph.D (Information Technology), University of Malaya, Malysia Software Define Network, IoT and Network Automation
2		**Assoc.Prof. Dr. Myo Myint Maw** Ph.D(Electrical), King Mongkut's Institute of Technology Ladkrabang (KMITL), Thailand. Wireless Communication, Localization and Internet of Things (IoT)
3		**Dr. Nay Min Htaik** Lecturer Ph.D (Information Technology), Yangon Technological University Internet of Things (IoT)
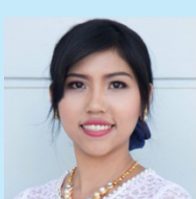
4		**Dr. Phyo Thuzar Tun** Lecturer Ph.D (Information Technology), University of Technology (Yatanarpon Cyber City) Network and Wireless Communication
5		**Dr. Thanda Aung** Lecturer Ph.D (Information Technology), University of Technology (Yatanarpon Cyber City) Cyber Security
6		**Daw Khin Swe Lin** Lecturer M.E (Information Technology), Mandalay Technological University Computer Networking
7		**Daw Phyo Thundar Htoon** Assistant Lecturer B.E (Information Technology), Mandalay Technological University Cyber Security

Data Mining

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Zar Zar Wint** Dr.Eng(Computer Science), Kumamoto University, Japan Machine Learning
2		**Dr. Khaing Thanda Swe** Lecturer Ph.D (Information Technology), University of Technology (Yatanarpon Cyber City) Machine Learning

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3		**Daw Thiri Kyaw** Lecturer M.E (Information Technology), Technological University (Mandalay) Recommendation System in Data Mining
4		**Daw Thiri Mon** Lecturer M.E (Course Work), Mandalay Technological University Data Mining
5		**Daw Nyein Nyein Min** Assistant Lecturer B.E (Information Technology), Technological University (Moenyin) Data Mining
6		**Daw Hnin Ei Wyne** Assistant Lecturer Ph. D (Thesis), Mandalay Technological University Fake News Detection using Neural Network and Machine Learning
7		**Daw Ei Ei Moe** Demonstrator Ph. D (Course Work), Mandalay Technological University Machine Learning

Big Data and Cloud Computing

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Thanda Shwe** Dr.Eng(Computer Science), Kumamoto University, Japan Big Data on Cloud

2		**Daw Ei Thet Mon** Lecturer B.E (Information Technology), Technological University (Mawlamyine) Cloud Computing
3		**Daw Mya Thi Tar Lwin** Lecturer M.E (Course Work), Technological University (Kyaukse) Cloud Computing
4		**Daw Aye Su Hlaing** Assistant Lecturer B.E (Information Technology), Technological University (Kyaukse) Cloud Computing

Academic Staff and their Affiliation in Mandalay Technological University
Academic Staff of Computer Engineering and Information Technology

Serial	Staff Photo	Affiliation / Graduated Degree/ Department Name/ Current Interest Area
1.		**Prof. Dr. Chaw Su Su Hmwe** Ph.D (Chemical Engineering) Mandalay Technological University Environmental and Renewable Energy
2.		**Prof. Dr. Mie Mie Han Htun** Ph.D (Chemical Engineering) Mandalay Technological University Environmental, Renewable Energy and Food Technology
3.		**Prof. Dr. April Nway Nway Htet** Ph.D (Chemical Engineering) Mandalay Technological University Ph.D (Engineering), Japan Environmental and Food Technology
4.		**Prof. Dr. Thet Thet Wai** Ph.D (Chemical Engineering) Mandalay Technological University Environmental, Nanotechnology and Biomass
5.		**Prof. Dr. May Zon Kyawt Oo** Ph.D (Chemical Engineering) Mandalay Technological University Environmental, Polymer and Renewable Energy
6.		**Prof. Dr. Ei Mon Aung** Ph.D (Chemical Engineering) Mandalay Technological University Ph.D (Engineering), Japan Environmental, Biomass and Bioenergy

7.		**Associate Prof. Dr. Myat Kyaw** Ph.D (Chemical Engineering) Mandalay Technological University Membrane Science and Material Science
8.		**Assoc.Prof. Daw Zan Win Moh Moh Phoo** M.E (Chemical Engineering) Mandalay Technological University Renewable Energy
9.		**Assoc.Prof. Daw Mu Mu Aye** B.E (Chemical Engineering) M.S (Biotechnology) MPA (Public Adminstration) Mandalay Technological University Environmental
10.		**Lecturer U Thet Paing Zaw** M.E (Chemical Engineering) Mandalay Technological University Environmental, Polymer and Renewable Energy
11.		**Lecturer Daw Yin May Thant** B.E (Chemical Engineering) Mandalay Technological University Environmental and Food Technology
12.		**Lecturer Daw Thin Thin San** B.E (Chemical Engineering) Mandalay Technological University Environmental
13.		**Lecturer U Myo Thu** B.E (Chemical Engineering) Mandalay Technological University Chemical Process Design

Academic Staff and their Affiliation in Mandalay Technological University
Academic Staff Department of Chemical Engineering

14.	**Lecturer Daw Mu Mu Aung** M.E (Chemical Engineering) Mandalay Technological University Renewable Energy
15.	**Lecturer Dr, Thi Thi Win** Ph.D (Chemical Engineering) Mandalay Technological University Renewable Energy
16.	**Lecturer Daw Naing Naing Aye** M.E (Chemical Engineering) Mandalay Technological University Renewable Energy
17.	**Lecturer Daw Thandar Soe** B.E (Chemical Engineering) Mandalay Technological University Food Technology
18.	**Assistant Lecturer Daw Win Sandar Tun** B.E (Chemical Engineering) Mandalay Technological University Environmental and Food
19.	**Assistant Lecturer Daw Zar Li Shwe** M.E (Chemical Engineering) Mandalay Technological University Environmental

Radiation Application

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Khin Khin Lay** Ph.D (Nuclear Technology) Yangon Technological University
2		**Prof. Dr. Yan Naing** Ph.D (Nuclear Techgnology) Mandalay Technological University

Nuclear Instrumentation and Electronics

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Thaw Tun Ko** Ph.D (Nuclear Technology) Moscow Engineering Physics Institute (MEPhI)

Nuclear Power and Reactors

	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Kyaw Sein Phyo** Ph.D (Nuclear Technology) Yangon Technological University

Radiation Detection and Radiation Protection

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Assoc.Prof. Hliang Win Tun** ME (Nuclear Technology) Moscow Engineering Physics Institute (MEPhI)
2		**Myo Khaing** Lecturer ME (Nuclear Technology) Mandalay Technological University

1. Bacteriology Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Myo Myint** Head of Department Ph.D (Biotechnology), Yangon Technological University
2		**Prof. Dr. Saw Sandar Maw** Ph.D (Biotechnology), Yangon Technological University
3		**Prof. Dr. Zin Lay Maung Maung** Ph.D (Industrial Biotechnology), Mandalay Technological University

4		**Assoc. Prof. Dr. Ohnmar Aung** Ph.D (Biotechnology), Yangon Technological University
5		**Assoc. Prof. Daw Wah Wah Than** M.S (Biotechnology), Yangon Technological University
6		**Dr. Kyaw Swa Lynn** Lecturer Ph.D(Industrial Biotechnology), Mandalay Technological University
7		**Daw Moe Moe Htun** Lecturer M.S (Aquaculture Biotechnology), Yangon Technological University
8		**U The Maung Maung** Lecturer M.S (Industrial Biotechnology), Mandalay Technological University
9		**Dr. Sa Aung Ko Ko** Assistant Lecturer Ph.D (Environmental Biotechnology),Mandalay Technological University
10		**Daw Zin Nwe Win** Assistant Lecturer M.S(Plant Biotechnology), Mandalay Technological University

Academic Staff and their Affiliation in Mandalay Technological University

Academic Staff of Biotechnology Department

11		**Daw Hnin Hnin Moe** Assistant Lecturer M.S(Biotechnology), Mandalay Technological University
12		**Daw Su Htet Htet Naing** Demonstrator B.Sc (Botany), MU; PG Dip in Biotechnology, chnological University (Kyaukse)

2. Mycology Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr.Tin Tin Hla** Ph.D (Biotechnology), Yangon Technological University
2		**Assoc. Prof. Dr. Thaw Thaw Han** Ph.D (Environmental Biotechnology), Mandalay Technological University

3. PhycologyLaboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Assoc. Prof. Dr. Hnin Hnin Htun** Ph.D (Biotechnology), Yangon Technological University

2		**Assoc. Prof. Dr. Thin Thandar Ko** Ph.D (Industrial Biotechnology), Mandalay Technological University
3		**Assoc. Prof. Dr. Saw Myint Thu** Ph.D (Molecular Biotechnology), Mandalay Technological University
4		**Daw Khin Hla Pyone** Lecturer M.S (Aquaculture Technology), Yangon Technological University
5		**Daw Nyo Nyo Lwin** Lecturer M.S (Aquaculture Technology), Yangon Technological University

4. Medical Research Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Sandar Win** Ph.D (Biotechnology), Yangon Technological University

5. Environmental Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Zaw Khaing Oo** Ph.D (Biotechnology), Yangon Technological University
2		**Prof. Dr. Khaing Thida Zun** Ph.D (Environmental Biotechnology), Mandalay Technological University
3		**Assoc. Prof. Dr. Ngu War Nwe** Ph.D (Soil Science), Graduate School of Chinese Academy of Agricultural Sciences, Beijing, China
4		**Assoc. Prof. Dr. Mar Mar Aung** Ph.D (Environmental Biotechnology), Mandalay Technological University
5		**Assoc. Prof. Dr. Moe Thazin Shwe** Ph.D (Environmental Engineering), University of Philippines (Diliman)
6		**Assoc. Prof. Dr. Ngyein Min Zaw** Ph.D (Environmental Biotechnology), Mandalay Technological University

6. Food Processing Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Aung Thu Phyo** Ph.D (Food Biotechnology), Mandalay Technological University
2		**Prof. and Head of IR, Dr. Phyo Wai Htun** Ph.D (Biotechnology), Mandalay Technological University
3		**Assoc. Prof. Dr. Lei Lei Aung** Ph.D (Industrial Biotechnology), Mandalay Technological University
4		**Assoc. Prof. Dr. Moe Moe Lwin** Ph.D (Industrial Biotechnology), Mandalay Technological University
5		**Assoc. Prof. Dr. Ngu War Thin** Ph.D (Medical Biotechnology), Mandalay Technological University
6		**Assoc. Prof. Daw Cho Lwin Maw** M.S (Medical Biotechnology), Yangon Technological University

Academic Staff and their Affiliation in Mandalay Technological University

Academic Staff of Biotechnology Department

7		**U Zin Myo Swe** Lecturer M.S (Food Biotechnology), Mandalay Technological University
8		**U Ye Myint Naing** Lecturer M.S (Environmental Biotechnology), Yangon Technological University

7. Molecular Biology Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Prof. Dr. Ohn Mar Tun** Ph.D (Biotechnology), Yangon Technological University; Post-Doctorate , The Hebrew University of Jerusalem, Israel
2		**Assoc. Prof. Dr. May Waine Wityi Htun** Ph.D (Molecualr Biotechnology), Mandalay Technological University
3		**Assoc. Prof. Dr. Nan Hein Nandar Htwe** Ph.D (Environmental Engineering), University of Philippines (Diliman)
4		**Assoc.Prof. Dr. Thet Min Thaung** Ph.D (Molecualr Biotechnology), Mandalay Technological University

5		**Dr. Soe Myat Thandar** Lecturer Ph.D (Environmental Engineering),Waseda University, Japan

8. Instrumentation Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Assoc. Prof. Dr. Ree Mon Htun** Ph.D (Molecular Biotechnology), Mandalay Technological University
2		**Assoc. Prof. Dr. Nyein Phyo Linn** Ph.D (Industrial Biotechnology), Mandalay Technological University

9. Tissue Culture Laboratory

Serial	Staff Photo	Affiliation/ Graduated Degree/ Department Name/ Current Interest Area
1		**Assoc. Prof. Dr. Thein Zaw Oo** Ph.D (Biotechnology), Yangon Technological University
2		**Assoc. Prof. Dr. Mon Mon** Ph.D (Biotechnology), Yangon Technological University

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နိဂုံး (Conclusion)

ဤသိပ္ပံနှင့်အင်ဂျင်နီယာလမ်းညွှန်စာအုပ်ကို ကိုးကားအသုံးပြုခြင်းဖြင့် ဒေသနှင့်နိုင်ငံအကျိုးပြု သုတေသန လုပ်ငန်းများတွင် ပူးပေါင်းပါဝင်ဆောင်ရွက်နိုင်ခြင်း၊ စက်မှုလုပ်ငန်းရှင်များအတွက်လိုအပ်နေသည့် နည်းပညာ အကူအညီများ ပံ့ပိုးကူညီပေးနိုင်ခြင်း၊ နိုင်ငံတကာနှင့်ချိတ်ဆက်ဆောင်ရွက်မည့် သုတေသနပရောဂျက်များ၊ ပြည်တွင်းရှိ သုတေသနပရောဂျက်များအတွက် အထောက်အကူပြုပေးနိုင်ခြင်း စသည့်အကျိုးကျေးဇူးများစွာရ ရှိနိုင်မည် ဖြစ်ပါသည်။

မန္တလေးနည်းပညာတက္ကသိုလ်၏ ဝန်ဆောင်မှုဆိုင်ရာ သုတေသနနယ်ပယ်အလိုက် နည်းပညာအကူအညီပေး မည့်စက် ပစ္စည်းများ၊ ပို့ချပေးမည့်သင်တန်းများ၊ သုတေသနနယ်ပယ်အလိုက် နည်းပညာပူးပေါင်းဆောင်ရွက် မှုများကို အသေးစိတ်သိရှိ၍ နှစ်ဦးနှစ်ဖက် အတူတကွပူးပေါင်းဆောင်ရွက်နိုင်ခြင်းဖြင့် မြန်မာနိုင်ငံ၏စက်မှုကဏ္ဍ ဖွံ့ဖြိုးတိုးတက်ရေးနှင့်တကွ နည်းပညာစွမ်းဆောင်ရည်မြင့်မားရေးတို့အတွက် အထောက်အကူပြုမည်ဖြစ်ပါကြောင်း မှတ်တမ်းတင်အပ်ပါသည်။

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