

Advanced Diploma of Rural Development Engineering

www.highlightcomputer.com/adrde.htm

www.highlightcomputer.com/adrde.pdf

Objective of the course

This course aims to provide the necessary skills required for people in rural areas to perform the followings

- Agricultural Foods Production and Animal Handling
- Building Construction, Drawing, Water Supply, Road and Bridge Construction, Irrigation
- Electrical Supply & Solar Electrical Supply System
- Hydraulics
- Machine Repair, Welding and Machining
- Water Chemical Treatment
- Transportation & Logistics

Course Structure

The course consists of Civil, Electrical and Mechanical Engineering principle together with Transportation, Logistics and Agricultural Foods Production.

Outcome of the course

After having completed this course, the attenders can perform rural developmental engineering basic works in their regions.

Detailed Structure of the course

Credit Points- 60 points to complete Advanced Diploma of Rural Development. Diploma and Certificate in Rural Development can be awarded upon completion of the specific units.

List of Subjects

Advanced Certificate in Rural Development Engineering (16 Credits)

(MVTC Level (3) (Course Number MVTC301)

CE106 Brick Laying, Sprouting and Gutter Construction (4 Points)

CE104 Construction Drawing (4 Points)

CE110 Building Construction (4 Points)

CE107 Water Supply (4 Points)

Diploma in Rural Development (32 Credits)

(MVTC Level (4) (Course Number MVTC401)

All units in Certificate in Rural Development (16 Credits)

CE111 Road Bridge and Irrigation System Construction (4 Points)

MVTC13PC9 Electrical Wiring (4 Points)

MVTC201Agriculture+MVTC202Animal Handling(4 Points)

MVTC204 Water Chemical Treatment (4 Points)

Advanced Diploma in Rural Development (60Credits)

(MVTC Level (5) (Course Number MVTC501)

All units in Diploma in Rural Development

RE002 Grid Connected Power System (4 Points) together with EE101 DC Circuits+EE112 AC Circuits

EE118 Electrical Supply System (4 Points)

ME108 Principle of Engine+MVTC13PC7 Engine Repairs (4 Points)

ME201 Hydraulics (4 Points)

MVTC13PC6 Welding+MVTC13PC5FittingMachining (4 Points)

MVTC209 Transport Logistics (4 Points)

Mgt101 Management Studies (4 Points)

ADVANCED STUDY

The candidates who have successfully completed Advanced Diploma of Rural Development Engineering can continue the study in Professional Diploma/ Bachelor of Applied Engineering/ Bachelor of Engineering Technology in Electrical Engineering or Civil Engineering or Mechanical Engineering or Mechatronics Engineering or Renewable Energy Engineering and Bachelor of Management Programs at St Clements University or STC Technological University.

LESSONS

MVTC301-Advanced Certificate in Rural Development (16 Credits)

CE104 Construction Drawing (4 Points)

www.iqytechnicalcollege.com/CECertDip.zip

VIDEO

Lesson 1

<https://youtu.be/PLu5G9xNMtE>

Lesson 2

<https://youtu.be/g9tCFIR9HzE>

Lesson 3

<https://youtu.be/YhgQEaUbaxQ>

Lesson 4

<https://youtu.be/PK4g9r8sNhw>

www.iqytechnicalcollege.com/CECertDip.zip

Study CE104A

Exercises Download Link

www.highlightcomputer.com/DipCivilEnggAssignments.pdf

Page 4 to 7

CE110 Building Construction (4 Points)

www.iqytechnicalcollege.com/CECertDip.zip

VIDEOS

|

Lesson 1

<https://youtu.be/luvLYjbuGWQ>

Lesson 2

https://youtu.be/YFKdn_EJyX8

Lesson 3

<https://youtu.be/HdpiNwnuos4>

Lesson 4

<https://youtu.be/uyg6AQc5WtE>

Lesson 5

<https://youtu.be/V7C5r7IQGdE>

Lesson 6

<https://youtu.be/TZCwHVCsj0g>

Lesson 7

<https://youtu.be/-984GNIF1b0>

Lesson 8

<https://youtu.be/yzm8vB6mXBk>

Lesson 9

https://youtu.be/UTsxZ72d_c0

Lesson 10

<https://youtu.be/o6nuV8oRYkg>

Lesson 11

<https://youtu.be/iV1dms6MYrQ>

Lesson 12

https://youtu.be/Upl4_WzeDAE

Lesson 13

<https://youtu.be/Eu2svu0k3kE>

Lesson 14

<https://youtu.be/nQW5bDDsS74>

Lesson 15

https://youtu.be/kAqyl_hTyLg

Lesson 16

https://youtu.be/u7oWgrM3_3Y

Lesson 17

https://youtu.be/Hq4imm_U0W4

Lesson 18

<https://youtu.be/rNMOTo5sZV4>

Lesson 19

<https://youtu.be/EUQzvKhYEhc>

Lesson 20

<https://youtu.be/LZINc2CNDfE>

Lesson 21

<https://youtu.be/tHwd9iVcZUQ>

Lesson 22

https://youtu.be/az4_K8TpPE0

Lesson 23

<https://youtu.be/IKzhftFn4PI>

Lesson 24

<https://youtu.be/A0x24Ue9YIE>

EXERCISE ASSIGNMENTS

<http://highlightcomputergroup4.zoomshare.com/files/pc3assignment.pdf>

Certificate+Diploma Engineering (Civil)

To download, do not click the link, copy the link into address bar of the new browser page and then press "Enter"

www.iqytechnicalcollege.com/CECertDip.zip Study CE110

|

|

Exercises Download Link

www.highlightcomputer.com/DipCivilEnggAssignments.pdf

Page 19 to 23

|

Practical

PC 3-Certificate in Building Construction

- **Practical Demonstration Videos(Youtube)**

Construction

<http://youtu.be/oR3Z8ZKesJ0>

<https://v.redd.it/znsmfri7yot41>

<http://youtu.be/a7UYxAY1BbA>

<https://v.redd.it/xnz6fwqvvyot41>

http://youtu.be/_47yGGCJ4xk

<https://v.redd.it/r68z0nwezot41>

Roofing

<http://youtu.be/bTOhIWp2A3Y>

<https://v.redd.it/8z66nthqzot41>

<http://youtu.be/myuUPoIHn9U>

<https://v.redd.it/gc9jph670pt41>

Scaffolding

<http://youtu.be/xwvuwVdVkFbg>

<https://v.redd.it/jrhf41bi0pt41>

Stair Construction

<http://youtu.be/JB1i8NO2rcA>

<https://v.redd.it/r9gql68t0pt41>

Stone Veneer Building

<http://youtu.be/MmnbA8CrzS0>

<https://v.redd.it/tsek0jj41pt41>

- **Written Lesson Notes in Myanmar+ English**

www.iqytechnicalcollege.com/CECertDip.zip

- Engineering Drawing—See CE104
- Building Construction--See CE106

PC3BuildingConstruction1.pdf (98.84MB)

www.iqytechnicalcollege.com/PC3BuildingConstruction1.pdf

PC3BuildingConstruction2.pdf (94.66MB)

www.iqytechnicalcollege.com/PC3BuildingConstruction2.pdf

PC3BuildingConstruction3.pdf (91.29MB)

www.iqytechnicalcollege.com/PC3BuildingConstruction3.pdf

PC2PlumbingCourse4.pdf (105.12MB)

www.iqytechnicalcollege.com/PC2PlumbingCourse4.pdf

PC3BuildingConstruction6.pdf (112.85MB)

www.iqytechnicalcollege.com/PC3BuildingConstruction6.pdf

PC3BuildingConstruction7.pdf (59.92MB)

<http://www.filefactory.com/file/33hfeo9xxtqz/n/PC3BuildingConstruction7.pdf>

www.iqytechnicalcollege.com/PC3BuildingConstruction7.pdf

Textbooks in Myanmar Language

LMA)Building Estimating.pdf (25.51MB)

www.iqytechnicalcollege.com/LMABuildingEstimating.pdf

LMA)1-Drawing .pdf (33.6MB)

www.iqytechnicalcollege.com/LMA1Drawing.pdf

LMA)Building Engineering Handbook.pdf (9.41MB)

www.iqytechnicalcollege.com/LMABuildingEngineeringHandbook.pdf

Roof +Concrete

www.iqytechnicalcollege.com/RoofConcrete.zip

EXERCISE ASSIGNMENTS

pc3assignment.pdf (13.1MB)

www.iqytechnicalcollege.com/pc3assignment.pdf

Civil Engineer Site Records

www.iqytechnicalcollege.com/CivilSiteEngineerRecords.pdf

EXERCISE ASSIGNMENTS

<http://highlightcomputergroup4.zoomshare.com/files/pc3assignment.pdf>

CE107 Water Supply (4 Points)

www.iqytechnicalcollege.com/CECertDip.zip

VIDEOS

Lesson 1

<https://youtu.be/uet7br9U7vo>

Lesson 2

<https://youtu.be/EZOnxtgpW-g>

Lesson 3

<https://youtu.be/WZ3CPCnuSWY>

Lesson 4

<https://youtu.be/z9g9HwDpjyU>

Lesson 5

<https://youtu.be/sZziW7Jcx3c>

Lesson 6

<https://youtu.be/C1VjCawfeoY>

Lesson 7

https://youtu.be/0ct_ZF52e1U

Lesson 8

https://youtu.be/JYc_cQQLE64

Lesson 9

https://youtu.be/ehZoz58Fq_8

Lesson 10

<https://youtu.be/8UcHyDiYWP8>

Lesson 11

<https://youtu.be/Pw3BBwQw7hl>

Lesson 12

<https://youtu.be/mhoV6eeP9NM>

Lesson 13

<https://youtu.be/eJW-XMexfBk>

Lesson 14

<https://youtu.be/IF3E0PdWMYs>

Lesson 15

https://youtu.be/g_d6CoaZ_TE

Lesson 16

<https://youtu.be/fPMRvSVGXs0>

Lesson 17

<https://youtu.be/ttnzRICRQ9I>

Lesson 18

<https://youtu.be/2cgvnOfAMXY>

Lesson 19

<https://youtu.be/nrTWrs7euN0>

Lesson 20



Notes

Certificate+Diploma Engineering (Civil)

To download, do not click the link, copy the link into address bar of the new browser page and then press "Enter"

www.iqytechnicalcollege.com/CECertDip.zip Study CE107



Exercises Download Link

www.highlightcomputer.com/DipCivilEnggAssignments.pdf

Page 14 to 15

Practical

PC 2-Certificate in Plumbing

Pipe Fitting

<https://www.youtube.com/watch?v=-Xk7VYvw5LU>

https://www.youtube.com/watch?v=u_a8Ei3VvMA

Piping Analysis

https://www.youtube.com/watch?v=FH_IA8RO7iM

Pipe Fitting Training

<https://www.youtube.com/watch?v=zHVncv8d1do>

<https://www.youtube.com/watch?v=L29brZtGRJ8>

Water Installation Pipe Fitting

<https://www.youtube.com/watch?v=XojOKJPjEYw>

Steam Pipe Fitting

<https://www.youtube.com/watch?v=ztK01HMG5qs>

How to pipe fitting

<https://www.youtube.com/watch?v=60TDEDI2Ong>

Pipe Fitting Accessories

<https://www.youtube.com/watch?v=t7TeEKQov-c>

Pipe Fitting 101

<https://www.youtube.com/watch?v=X6MgBf7lmt4>

Pipe Fitting

<http://youtu.be/oVo3lpKYdgU>

<https://v.redd.it/vbx6vud8uot41>

<http://youtu.be/BrMDSHEeL6k>

<https://v.redd.it/3v9p6urpuot41>

<http://youtu.be/uUxnWvaNTs0>

<https://v.redd.it/mc3o6jkbvot41>

Plumbing

<http://youtu.be/gypTjOYnFw8>

<https://v.redd.it/beejq4u1wot41>

http://youtu.be/P1Qb_3kvsGM

<https://v.redd.it/95m2yepnwot41>

<http://youtu.be/MfjQfwzQ6mo>

<https://v.redd.it/dyl2r184xot41>

- **Written Lesson Notes in Myanmar+ English**

[_www.iqytechnicalcollege.com/CECertDip.zip](#)

Plumbing-See CE107

PC2PlumbingCourse1.pdf (118.52MB)

www.iqytechnicalcollege.com/PC2PlumbingCourse1.pdf

PC2PlumbingCourse2.pdf (115.91MB)

www.iqytechnicalcollege.com/PC2PlumbingCourse2.pdf

PC2PlumbingCourse3.pdf (119.86MB)

www.iqytechnicalcollege.com/PC2PlumbingCourse3.pdf

Textbooks in Myanmar Language

Cop_SEWERAGE_AND_SANITARY_WORKS_PART-3.pdf (5.14MB)

www.iqytechnicalcollege.com/Cop_SEWERAGE_AND_SANITARY_WORKS_PART-3.pdf

Class Lesson +Audio

www.highlightcomputer.com/mvtcpracticalcourses.htm

See PC2

EXERCISE ASSIGNMENTS

<http://highlightcomputergroup4.zoomshare.com/files/pc2assignment.pdf>

CE106 Brick Laying, Sprouting and Gutter Construction (4 Points)

www.iqytechnicalcollege.com/CECertDip.zip

CE 106 Brick Laying

VIDEO

<https://youtu.be/sKOTNcQXpRM>

Notes

Certificate+Diploma Engineering (Civil)

To download, do not click the link, copy the link into address bar of the new browser page and then press "Enter"

www.iqytechnicalcollege.com/CECertDip.zip

Study CE106

Exercises Download Link

www.highlightcomputer.com/DipCivilEnggAssignments.pdf

Page 2

Practicals

PC 1-Certificate in Bricklaying & Masonry

- **Practical Demonstration Videos (Youtube)**
- Cement Mixing
 - <https://www.youtube.com/watch?v=fbWNTD3kyGk>
 - <https://www.youtube.com/watch?v=SN0aAG-HgD8>
 - <https://www.youtube.com/watch?v=SN0aAG-HgD8>
 -
- Concrete by hand
 - <https://www.youtube.com/watch?v=KNb0IbYrK8E>
 -
- Brick Laying
 - <http://youtu.be/HB9nAUQ402s>
 - <https://v.redd.it/97nkj606mot41>
 - <http://youtu.be/UDrd2B7qRZQ>
 - <https://v.redd.it/261q39y9not41>
 - http://youtu.be/fXiO50LKS_g
 - <https://v.redd.it/v73cjk5lrot41>
- Concrete Stair Building
 - http://youtu.be/d_28wf-r_QM
 - <https://v.redd.it/alaujau6sot41>
 - <http://youtu.be/3Y9-C6392II>
 - <https://v.redd.it/yww69dtisot41>
 - <http://youtu.be/z72SeHNEN-8>
 - <https://v.redd.it/nz8bhqlgtot41>
- **Written Lesson Notes in Myanmar+ English**

- Bricklaying-See CE106 Part ½

PC1BrickLayingCourse1.pdf (64.44MB)

www.iqytechnicalcollege.com/PC1BrickLayingCourse1.pdf

PC1BrickLayingCourse2.pdf (68.98MB)

www.iqytechnicalcollege.com/PC1BrickLayingCourse2.pdf

PC1BrickLayingCourse3.pdf (55.84MB)

www.iqytechnicalcollege.com/PC1BrickLayingCourse3.pdf

Class Lesson +Audio

www.highlightcomputer.com/mvtcpracticalcourses.htm

See PC1

EXERCISE ASSIGNMENTS

<http://highlightcomputergroup4.zoomshare.com/files/pc1assignment.pdf>

PC 4-Certificate in Gutter Construction

- Practical Demonstration Videos (Youtube)

Wall Guttering

<http://youtu.be/b-Cdlrcjfis>

- Written Lesson Notes in Myanmar+ English

www.iqytechnicalcollege.com/CECertDip.zip

Building Construction (Gutter Construction)--See CE106

PC4GutterConstruction1.pdf (47.37MB)

PC4GutterConstruction1.pdf (47.37MB)

www.iqytechnicalcollege.com/PC4GutterConstruction1.pdf

PC4GutterConstruction2.pdf (42.73MB)

www.iqytechnicalcollege.com/PC4GutterConstruction2.pdf

PC4GutterConstruction3.pdf (40.51MB)

www.iqytechnicalcollege.com/PC4GutterConstruction3.pdf

PC4GutterConstruction4.pdf (56.02MB)

www.iqytechnicalcollege.com/PC4GutterConstruction4.pdf

<u>Contents</u>	<u>Unit Code</u>
<u>Spouting/ Guttering</u>	<u>Building Construction</u>

-

<u>Contents</u>	<u>Unit Code</u>
<u>Drainage pipe, Ventilation</u>	<u>Building services</u>

EXERCISE ASSIGNMENTS

<http://highlightcomputergroup4.zoomshare.com/files/pc4assignment.pdf>

Class Lesson +Audio

www.highlightcomputer.com/mvtpcpracticalcourses.htm

See PC4

MVTC401-Diploma in Rural Development (32 Credits)

CE111 Road Bridge and Irrigation System Construction (4 Points)

<http://www.mongroupsdney1.com/AdvDipCivilEnggCE111114115.zip>

VIDEOS

[Civil Video1](#)

[Civil Video2](#)

[Civil Video3](#)

VIDEO

|

Lesson 1 Stress and strain

<http://youtu.be/u1LyokSxOfQ>

Lesson 2 Centre of mass

<http://youtu.be/EY8rM9MSE1k>

Lesson 3 Equilibrium

<http://youtu.be/YtJmMWJIZqI>

Lesson 4 Thermal expansion

<http://youtu.be/EM0DmVWSv8k>

|

Lesson 5 Strength of materials 1

|

<http://youtu.be/j1Cx4gVGSk>

Lesson 6 Structure

[BAE621B1](#)

<http://youtu.be/TNM7KtiWtr0>

Notes

www.highlightcomputer.com/CE114.pdf

www.highlightcomputer.com/CE115.pdf

www.highlightcomputer.com/CE115Part2.pdf

www.highlightcomputer.com/CE114StructurePart2Instruction.zip

[Exercises Download Link](#)

www.highlightcomputer.com/DipCivilEnggAssignments.pdf

Page 29 to 31

MVTC13PC9 Electrical Wiring (4 Points)

Electrical workshop

<u>EE102</u>	<u>Basic Electrical Fitting & Wiring</u>
<u>EE103</u>	<u>Basic Electrical Drafting</u>

LESSON VIDEO-MYANMAR+ENGLISH

Lesson 1

<https://youtu.be/zSsvWcnfL8k>

Lesson 2

<https://youtu.be/qzymoBHwc8c>

Lesson 3

<https://youtu.be/iJ7I9WnyRc8>

Lesson 4

<https://youtu.be/DzlyM4QoG7w>

Lesson 5

<https://youtu.be/HVbn9ULdtf8>

Lesson 6

<https://youtu.be/5W-tozOR3r0>

Lesson 7

<https://youtu.be/b13dBzLfYCo>

Lesson 8

<https://youtu.be/EInP0HKifa4>

Lesson 9

<https://youtu.be/2R7-LA9V0nY>

LESSON VIDEO- ENGLISH

E001+002+005+008+033/ E101+102+105+108+137+G106

Page 128 to 136 of

[www.highlightcomputer.com/Video Lessons.pdf](http://www.highlightcomputer.com/Video%20Lessons.pdf)

Electrical workshop

[Electrical workshop Lesson 1 OHS.zip](#)

(E101)

<https://youtu.be/5A9bw-oxqfl>

[Electrical workshop Lesson 2 Workplace hazard+Fix & secure equipment.zip](#)

(E102)

<http://youtu.be/aVKhYs9ga7Y>

[Electrical workshop Lesson 3 Mechanical fixing.zip](#)

(E105)

http://youtu.be/s0SUSmL_e4E

[Electrical workshop Lesson 4 Basic electrical wiring.zip](#)

(E108)

<http://youtu.be/gTjcE8ssull>

[Electrical workshop Lesson 5 Wiring circuits.zip](#)

(E107)

SUNP0007

<http://youtu.be/m0dN0Wp6LCI>

[Electrical workshop Lesson 6 Electrical safety testing.zip](#)

(E137)

<http://youtu.be/LqRybJxm0tE>

[Electrical workshop Lesson 7 Testing insulation and polarity.zip](#)

(E137)

<http://youtu.be/9j63r3Wz6y8>

<http://youtu.be/e5MjQdEua-U>

[Electrical workshop Lesson 8 Testing lighting polarity.zip](#)

LESSON

www.iqytechnicalcollege.com/EECertDipPart1a.zip

Do EE102

[Exercises Download Link](#)

www.highlightcomputer.com/DipElectEnggAssignments.pdf

LESSON VIDEO-MYANMAR+ENGLISH

Lesson 1

<https://youtu.be/NmC1hRklQBo>

Lesson 2

https://youtu.be/n6ru_boMLZ0

Lesson 3

<https://youtu.be/iXld3EiVmCM>

Lesson 4

<https://youtu.be/LhKv6EuEjs4>

Lesson 5

<https://youtu.be/mMe9S6d8d3w>

Lesson 6

<https://youtu.be/m9jOXnOfY6c>

Lesson 7

<https://youtu.be/HL6vf9G9mFY>

Lesson 8

<https://youtu.be/IGOeWPQ-B0M>

Lesson 9

<https://youtu.be/Qgnz3mFUFB0>

LESSON VIDEO- ENGLISH

www.iqytechnicalcollege.com/EECertDipPart1a.zip

[Exercises Download Link](#)

www.highlightcomputer.com/DipElectEnggAssignments.pdf

ENGLISH LESSONS

<http://www.mongroupsdney1.com/youtubevideos.htm#a>

See EE107

Maximum Demand Calculation & Cable Selection—Thanlyin TU- 5 Jan 2016 Lecture

www.mongroupsdney1.com/CableselectionPPT.pdf

[AS3000](#)

[AS3008](#)

Advanced Electrical Wiring

EE106	Advanced Electrical Wiring

LESSON VIDEO-MYANMAR+ENGLISH

Lesson 1

<https://youtu.be/E5e-Uy6MHEM>

Lesson 2

<https://youtu.be/6LnOUyBWRTs>

Lesson 3

https://youtu.be/jSVZlejrf_w

Lesson 4

<https://youtu.be/SPGR6DnDt-M>

Lesson 5

<https://youtu.be/nT31m6zPcWg>

Lesson 6

<https://youtu.be/FFIXQ1rb4zA>

https://youtu.be/H0BWho_JfLI

Lesson 7

<https://youtu.be/qGbSbHZ21Yc>

https://youtu.be/P2-k_NLqliU

Lesson 8

https://youtu.be/ZPI3-H_MUwA

<https://youtu.be/UrJ9BRTYfoY>

Lesson 9

Lesson

www.iqytechnicalcollege.com/EECertDipPart1a.zip

Do EE105+106

[Exercises Download Link](#)

www.highlightcomputer.com/DipElectEnggAssignments.pdf

PC 9-Certificate in Electrical Wiring

- [Practical Demonstration Videos \(Youtube\)](#)

Data Cabling

<http://youtu.be/YkYEX1INbXk>

<https://v.redd.it/r1rmcz193rt41>

Dimmer Light Installation

<http://youtu.be/NONS3PCXjYU>

<https://v.redd.it/pt0d2zrs3rt41>

Install Sub Panel

http://youtu.be/_QaDJoXuVyK

<https://v.redd.it/2kkab3z24rt41>

Installing EMT+MC Cable

<http://youtu.be/wsBCmyQLd30>

<https://v.redd.it/sj2wudgb5rt41>

<http://youtu.be/1gJlzh3YER4>

<https://v.redd.it/4k8ehxgc6rt41>

Installing Feeder Wire from main busbar

<http://youtu.be/9zvRqJ83IVs>

<https://v.redd.it/ibszedss6rt41>

<http://youtu.be/bdKMbezgvrA>

<https://v.redd.it/d7ojv70d7rt41>

Main Switch Board & Socket outlet Installation

<http://youtu.be/WtiTWdZkmoc>

<https://v.redd.it/n07vs1hq7rt41>

<http://youtu.be/deY-tQvgWPM>

<https://v.redd.it/ivrx3up08rt41>

Pulling Cable

<http://youtu.be/qlyxUg8C3LU>

<https://v.redd.it/roaht01a8rt41>

<http://youtu.be/8NS4ZldzBs4>

<https://v.redd.it/9tljudjr8rt41>

Switchboard Circuit Breaker Installation

<http://youtu.be/VcVCiD3oXz8>

Download from the following link

https://mega.nz/file/YQpjhCKZ#JBBSQmSz0tMCCCmOuCOwYnmH4K27cszpuBg1oHT_bZ8

<https://youtu.be/kxKj4myhahE>

<http://youtu.be/rzDMNA2wnns>

<https://v.redd.it/0vkwaf8f9rt41>

<http://youtu.be/ksxK4pcUsAw>

<https://v.redd.it/s529upjo9rt41>

UG Conduit Installation

<http://youtu.be/4TU3TePjU5M>

<https://v.redd.it/xsbqpvp9art41>

Use fish tape to pull the cable

<http://youtu.be/gRqgVgmGNmw>

<https://v.redd.it/ef8scginart41>

Wiring Trunking Assembly

<http://youtu.be/jjY6ezSZX1I>

<https://v.redd.it/y5yl7y5abrt41>

Textbooks in Myanmar Language

LMA)Fault Finding.pdf (34.92MB)

www.iqytechnicalcollege.com/LMAFaultFinding.pdf

Product_Safety_by_AyeThwin.pdf (2.71MB)

www.iqytechnicalcollege.com/Product_Safety_by_AyeThwin.pdf

LMA)Home Wiring.pdf (9.37MB)

www.iqytechnicalcollege.com/LMAHomeWiring.pdf

LMA)Electrician Training.pdf (16.06MB)

www.iqytechnicalcollege.com/LMAElectricianTraining.pdf

LMA)Electricity.pdf (2.69MB)

www.iqytechnicalcollege.com/LMAElectricity.pdf

LMA)AC to DC.pdf (13.13MB)

www.iqytechnicalcollege.com/LMAACtoDC.pdf

LMA)Electrical Knowledge).pdf (0.21MB)

www.iqytechnicalcollege.com/LMAElectricalKnowledge.pdf

Design_Electrical_Installation_Systems_by_YanKyawMoe.pdf (8.35MB)

www.iqytechnicalcollege.com/Design_Electrical_Installation_Systems_by_YanKyawMoe.pdf

Electrical_Safety_Basic_by_YanKyawMoe.pdf (1.35MB)

www.iqytechnicalcollege.com/Electrical_Safety_Basic_by_YanKyawMoe.pdf

EXERCISE ASSIGNMENTS

<http://highlightcomputergroup4.zoomshare.com/files/pc9assignment.pdf>

www.iqytechnicalcollege.com/pc9assignment.pdf

Class Lesson +Audio

www.highlightcomputer.com/mvtpacticalcourses.htm

See PC9

MVTC201Agriculture+MVTC202Animal Handling(4 Points)

CERTIFICATE IN AGRICULTURE FOOD PRODUCTION (MVTC201)

www.highlightcomputer.com/AgricultureLesson.pdf

CERTIFICATE IN ANIMALS HANDLING (MVTC202)

www.highlightcomputer.com/Animal1.pdf

MVTC2-4 Water Chemical Treatment (4 Points)

CERTIFICATE IN LABORATORY WATER OPERATIONS (MVTC204)

www.highlightcomputer.com/WaterChemicalNotes.pdf

MVTC501 Advanced Diploma in Rural Development (60Credits)

RE002 Grid Connected Power System (4 Points) together with EE101 DC Circuits+EE112 AC Circuits

RE002- Grid Connected Photovoltaic Power Systems

www.iqytechnicalcollege.com/RE002.zip

EE101 Dc Circuits+EE112 AC Circuits

www.iqytechnicalcollege.com/EECertDipPart1a.zip

[Exercises Download Link](#)

www.highlightcomputer.com/DipElectEnggAssignments.pdf

VIDEOS

RE002- Grid Connected Photovoltaic Power Systems-Electrical

Day 14Part 1

[Grid Connected Photovoltaic Power Systems 1\(Myanmar+English\)](#)

Topics-Sun Geometry, Solar Cell Connection

[Grid Connected Photovoltaic Power Systems 2\(Myanmar+English\)](#)

Topics-Solar Electrical System Installation

[Grid Connected Photovoltaic Power Systems 3\(Myanmar+English\)](#)

Topics-Power Output from solar cell, Grid Connection

[Grid Connected Photovoltaic Power Systems 4\(Myanmar+English\)](#)

Topics-Solar Installation Inspection

[Grid Connected Photovoltaic Power Systems 5\(Myanmar+English\)](#)

Topics-Lightning & Surge Protection, Metering

RE002- Grid Connected Photovoltaic Power Systems-Electrical

www.highlightcomputer.com/Day 14-Part 1-RE002- Grid Connected Photovoltaic Power Systems-Electrical.zip

RE002 Grid Connected PV system

RE 002 Part 1

Sun geometry 1

Daily irradiance 2, 9

Power output calculation 29, 31, 36

Pen circuit voltage 37,40,41,42,44

Inverter diagram 45,46,48,52,53

Grid protection 55, 56, 57, 58, 59

Lightening surge protection 62, 63

Net metering 64, 67, 68, Inspection& testing

73 PV array location 81, 82, 89, 90

PV power system 92,93,

Typical arrays 97,98,100,102,105,

Grid connected inverter 134,135,136,137,139,146

RE002 Part 2
Economy 16,20,23

Mgt101 Management Studies (4 Points)

www.highlightcomputer.com/Mgt101.zip

MVTC13PC6 Welding+MVTC13PC5FittingMachining (4 Points)

PC 7-Certificate in Engine Operation& Basic Servicing

ME 108

Principle of Engines

LESSON

<https://youtu.be/Hz4l27zBg9o>

Notes

<http://www.iqytechnicalcollege.com/MECertDipPart3.zip> Study ME108

[Exercises Download Link](#)

www.highlightcomputer.com/DipMechEnggAssignments.pdf

Page 36 to 38

- **Practical Demonstration Videos (Youtube)**

Engine

PC 7-Certificate in Engine Operation & Basic Servicing

- **Practical Demonstration Videos (Youtube)**

Engine

Engine Operation

http://youtu.be/D2oRi_Ah3Qw

<https://v.redd.it/tmklrwpwipt41>

<https://v.redd.it/lg9dif73jpt41>

<http://youtu.be/134v3KwjfOo>

<https://v.redd.it/xvpi19jijpt41>

<https://v.redd.it/9laqu0zsnpt41>

<http://youtu.be/hX5JsvqQdYY>

<https://v.redd.it/xtf2ddq1ppt41>

Engine Assembly

<http://youtu.be/kSo7QLPWous>

<https://v.redd.it/cdv7famkppt41>

http://youtu.be/873FS9_69XQ

<https://v.redd.it/8gifzwm1qpt41>

<http://youtu.be/6Fe1XoZ2EsM>

<https://v.redd.it/3bxb5gz1spt41>

<http://youtu.be/t4YVfT0zgic>

<https://v.redd.it/3bt82vzyspt41>

Engine Operation+ Maintenance+ Servicing

<http://youtu.be/NdT6sC8vZoA>

<https://v.redd.it/6oc7rj0avpt41>

<http://youtu.be/Y64KllvgFp0>

<https://v.redd.it/eg3tzzrhvpt41>

<http://youtu.be/UP1hjxjTRqc>

<https://v.redd.it/si4wowr7wpt41>

Gear Box

<http://youtu.be/aEpt5k9StnA>

<https://v.redd.it/ig4j5aoxwpt41>

<http://youtu.be/9cEqWWSFM6w>

<https://v.redd.it/36hqum1xxpt41>

Hydraulic pump

<http://youtu.be/0lUGOJovRr0>

<https://v.redd.it/4tg7a61oypt41>

Ignition

<http://youtu.be/fD3CeDKnDXQ>

<https://v.redd.it/i8inmho30qt41>

Power Steering

<http://youtu.be/aLIDMkLhtgQ>

<https://v.redd.it/faggddiu0qt41>

<http://youtu.be/3xFRPInWxks>

<https://v.redd.it/894fon8p1qt41>

<http://youtu.be/E3JNnE14kOQ>

<https://v.redd.it/hcqelu5q2qt41>

<http://youtu.be/ljk7dFtc6iw>

<https://v.redd.it/bk5vg1a94qt41>

Steering

http://youtu.be/e_fUAoA8_Nk

<https://v.redd.it/2o64a0115qt41>

<http://youtu.be/8wwue7d8LsM>

<https://v.redd.it/uryarbzc5qt41>

<http://youtu.be/FUr6Jlca0jM>

<https://v.redd.it/d0x83c2k5qt41>

<http://youtu.be/AQupRDqe1hU>

<https://v.redd.it/1w1kk9c39qt41>

Oil Pump

<http://youtu.be/yQFeOQPpSI>

<https://v.redd.it/nr2dh59qaqt41>

<http://youtu.be/F1LTndD89Eo>

<https://v.redd.it/lkry58o3cqt41>

Pump assembly

http://youtu.be/9G0Qjf_aPp4

<https://v.redd.it/c4ze5oohvqt41>

<http://youtu.be/4318Rkolnwg>

<https://v.redd.it/hgs6ru3zvqt41>

Compressor

<http://youtu.be/gnHHTX2ybg0>

<https://v.redd.it/ophunjo9wqt41>

http://youtu.be/t8s_LodB3t8

<https://v.redd.it/5jaafjk2xqt41>

- [Written Lesson Notes in Myanmar+ English](#)

PC7Engine1.pdf (79.88MB)

www.iqytechnicalcollege.com/PC7Engine1.pdf

PC7Engine2.pdf (91.37MB)

www.iqytechnicalcollege.com/PC7Engine2.pdf

PC7Engine3.pdf (96.42MB)

www.iqytechnicalcollege.com/PC7Engine3.pdf

PC7Engine4.pdf (125.64MB)

www.iqytechnicalcollege.com/PC7Engine4.pdf

PC7Engine5.pdf (85.97MB)

www.iqytechnicalcollege.com/PC7Engine5.pdf

PC7Engine6.pdf (54.66MB)

www.iqytechnicalcollege.com/PC7Engine6.pdf

Textbooks in Myanmar Language

LMA)Automotive 1.pdf (63.9MB)

www.iqytechnicalcollege.com/LMAAutomotive1.pdf

LMAAuto EFI .pdf (42.17MB)

www.iqytechnicalcollege.com/LMAAutoEFI.pdf

LMA)AutoElectricity.pdf (80.31MB)

www.iqytechnicalcollege.com/LMAAutoElectricity.pdf

EXERCISE ASSIGNMENTS

pc7assignment.pdf (21.55MB)

www.iqytechnicalcollege.com/pc7assignment.pdf

Class Lesson +Audio

www.highlightcomputer.com/mvtcpracticalcourses.htm

See PC7

EXERCISE ASSIGNMENTS

<http://highlightcomputergroup4.zoomshare.com/files/pc7assignment.pdf>

MVTC13PC6 Welding+MVTC13PC5FittingMachining (4 Points)

PC 6-Certificate in Welding

- Practical Demonstration Videos (Youtube)

Welding

<http://youtu.be/JQDXMNokDfk>

<https://v.redd.it/ay1aoz7jfpt41>

<http://youtu.be/Br1wBGZpqcc>

<https://v.redd.it/qdcqyv3xhpt41>

- Written Lesson Notes in Myanmar+ English

PC6 Welding Myanmar Notes + Assignment

Notes

www.iqytechnicalcollege.com/PC6WeldingMyanmarNotes.pdf

Assignment

www.iqytechnicalcollege.com/PC6WeldingMyanmarNotesAssignment.pdf

PC6Welding1.pdf (102.44MB)

www.iqytechnicalcollege.com/PC6Welding1.pdf

PC6Welding2.pdf (104.91MB)

www.iqytechnicalcollege.com/PC6Welding2.pdf

PC6Welding3.pdf (110.26MB)

www.iqytechnicalcollege.com/PC6Welding3.pdf

PC6Welding4.pdf (103.43MB)

www.iqytechnicalcollege.com/PC6Welding4.pdf

PC6Welding5.pdf (101.34MB)

www.iqytechnicalcollege.com/PC6Welding5.pdf

EXERCISE ASSIGNMENTS

pc6assignment.pdf (12.98MB)

www.iqytechnicalcollege.com/pc6assignment.pdf

PC 5-Certificate in Fitting & Machining

- Practical Demonstration Videos (Youtube)

Workshop

Drilling

<http://youtu.be/7XHyRDCcPO0>

<https://v.redd.it/6jfaoiw1pt41>

<http://youtu.be/xQgHiPkWUT4>

<https://v.redd.it/lqulxv7k2pt41>

Lathe

<http://youtu.be/9ONbdNyK7Rk>

<https://v.redd.it/v7ktj942bpt41>

Milling

http://youtu.be/T3yxKBJ_YQg

<https://v.redd.it/9zvf799ybpt41>

Shaping

<http://youtu.be/aVvEmbzKpyY>

<https://v.redd.it/vsk1668fcpt41>

<http://youtu.be/SKG0SD05Jic>

<https://v.redd.it/z8263aa4ept41>

Written Lesson Notes in Myanmar+ English

PC5FittingMachining1.pdf (115.17MB)

www.iqytechnicalcollege.com/PC5FittingMachining1.pdf

PC5FittingMachining2.pdf (111.92MB)

www.iqytechnicalcollege.com/PC5FittingMachining2.pdf

PC5FittingMachining3.pdf (120.08MB)

www.iqytechnicalcollege.com/PC5FittingMachining3.pdf

PC5FittingMachining4.pdf (115.86MB)

www.iqytechnicalcollege.com/PC5FittingMachining4.pdf

PC5FittingMachining5.pdf (125.88MB)

www.iqytechnicalcollege.com/PC5FittingMachining5.pdf

PC5FittingMachining6.pdf (108.76MB)

www.iqytechnicalcollege.com/PC5FittingMachining6.pdf

PC5FittingMachining7.pdf (51MB)

www.iqytechnicalcollege.com/PC5FittingMachining7.pdf

Class Lesson +Audio

www.highlightcomputer.com/mvtcpacticalcourses.htm

See PC6

EXERCISE ASSIGNMENTS

<http://highlightcomputergroup4.zoomshare.com/files/pc5assignment.pdf>

MVTC209 Transport Logistics (4 Points)

www.highlightcomputer.com/LogisticNotes.pdf

ME201 Hydraulics (4 Points)

ME201 Fluid Mechanics

VIDEO

Lesson 1

<https://youtu.be/EDL0FEp7tS0>

Lesson 2

<https://youtu.be/TfggYG-cSqc>

Lesson 3

<https://youtu.be/F8HYmLYHSQM>

|

|

Notes

To download, do not click the link, copy the link into address bar of the new browser page and then press "Enter"

www.iqytechnicalcollege.com/CECertDip.zip Study CE107

ME201 Fluid Mechanics

www.iqytechnicalcollege.com/MECertDip.zip

Study ME201

Exercises [Download Link](#)

www.highlightcomputer.com/DipCivilEnggAssignments.pdf

Page 42



Exercises [Download Link](#)

www.highlightcomputer.com/DipCivilEnggAssignments.pdf

www.iqytechnicalcollege.com/MECertDip.zip

Exercises [Download Link](#)

www.highlightcomputer.com/DipMechEnggAssignments.pdf

[Mechanical Video](#)

EE118 Electrical Supply System (4 Points)

EE118	Electrical Energy Supply System
-------	---------------------------------

Lesson 1

<https://youtu.be/fsVjRrMj3fw>

Lesson 2

https://youtu.be/og-n_8RzqQE

Lesson 3

<https://youtu.be/wjAtPNwGKOQ>

Lesson 4

<https://youtu.be/wjAtPNwGKOQ>

Lesson 5

https://youtu.be/-FNsW_NYtp8

Lesson 6

<https://youtu.be/OHFFNtw9X8s>

LESSON

www.iqytechnicalcollege.com/EECertDipPart1b.zip

Do EE118

[Exercises Download Link](#)

www.highlightcomputer.com/DipElectEnggAssignments.pdf

ENGLISH LESSONS

<http://www.mongroupsytdney1.com/youtubevideos.htm#a>

See EE118

www.iqytechnicalcollege.com/EECertDipPart1b.zip

[Exercises Download Link](#)

www.highlightcomputer.com/DipElectEnggAssignments.pdf

ELECTRICAL VIDEOS

[Electrical Video1](#)

[Electrical Video2](#)

[Electrical Video3](#)

[Electrical Video4](#)

Electrical Video5

Electrical Video6

Electrical Video7

MVTC601-Professional Diploma of Rural Development Engineering

(Bachelor of Applied Engineering-Rural Development)

(St Clements University/ STC Technological University)

TOTAL 24 Units at 60 Credit points

BE General Discipline (Total 12 units)

(Each 2 Credit points)

YEAR 2+3

Professional Diploma in Engineering (Year 3)

www.iqytechnicalcollege.com/profdipengg.htm

1 BAE 401 Advanced Engineering Mathematics (2 pt)

2 BAE 402 Calculus (2 pt)

3 BAE 403 Engineering Mechanics (2 pt)

4 BAE 404 Engineering Materials & Thermodynamics (2 pt)

5 RE001- Foundation Studies in Renewable Energy and Sustainability (2 pt)

6.RE003- Solar and Thermal Energy Systems (2 pt)

7.RE004- Energy Storage Systems(2 pt)

10 RE010-Engineering Materials(2 pt)

11 RE012a-Electrical Engineering Part 1(2 pt)

12RE016-Design& Management (2 pt)

Professional Diploma/BE (Rural Development) **(Total 12 units) (Each 2 Credit points)**

YEAR 4+5

13.RE013-Electrical Machines (2 pt)

<http://www.iqytechnicalcollege.com/profdipelectengg.htm#z6>

14.BAE 501 Advanced Power Systems & Power Transmission Networks

<http://www.iqytechnicalcollege.com/profdipelectengg.htm#z9>

Rural Electrical Power Supply System

<http://www.iqytechnicalcollege.com/BRDE-BAE501R Rural Power Supply.pdf>

16.BAE 604 Telecommunication Engineering

<http://www.iqytechnicalcollege.com/profdipelectengg.htm#z11>

Rural Telecommunication System

<http://www.iqytechnicalcollege.com/BRDE-BAE604R Rural Telecommunication.pdf>

<http://www.iqytechnicalcollege.com/BRDE-BAE 604 Part 2.pdf>

17.BAE421 Building Construction Engineering (2 pt)

<http://www.iqytechnicalcollege.com/profdipcivilengg.htm#z3>

18. BAE422 Estimating (2 pt)

<http://www.iqytechnicalcollege.com/profdipcivilengg.htm#z7>

19. BAE423 Fluid Mechanics (2 pt)

<http://www.iqytechnicalcollege.com/profdipcivilengg.htm#z6>

20. BAE424 Reinforced Concrete (2 pt)

<http://www.iqytechnicalcollege.com/profdipcivilengg.htm#z8>

22. BAE 523A Environmental Engineering (2 pt)

<http://www.iqytechnicalcollege.com/profdipcivilengg.htm#z10>

23. BAE621 Structural Engineering (2 pt)

<http://www.iqytechnicalcollege.com/profdipcivilengg.htm#z11>

24. BAE511 Air-conditioning & Refrigeration (2 pt)

<http://www.iqytechnicalcollege.com/profdipmechengg.htm#z8>

Solar Powered Refrigeration for Rural Area

<http://www.iqytechnicalcollege.com/BAE511R Solar Refrigeration.pdf>

<http://www.iqytechnicalcollege.com/BAE511RPart 2.pdf>

Engineering Competency Demonstration Report

25. BAE608 Engineering Competency Demonstration Report (2 credit points)

Engineering Handbook Applications

www.iqytechnicalcollege.com/Form185engghandbookapplication.htm