

Operation of X-Ray Machine& Dark Room Assistance (Level 1)

Name of the Module : **Operation of X-Ray Machine& Dark Room Assistance**
(Level 1)

Sector : *Electronics*

Code : **ELC115**

Duration : **120 Hrs**

Entry qualification : **8th std pass with age at least 14 years. Should be able to read and write English**

Terminal competency: *Should be able to:*

Operate the X-Ray Machine and develop X-Ray Films

Contents

Practical Competencies	Underpinning Knowledge (Theory)
<p>a. Practice procedures for safety and health hazards measures</p> <p>b. Familiarize with controls and operate mobile X-ray machine</p> <p>c. Familiarize with Darkroom and its stages, Able to develop x-ray films</p>	<ul style="list-style-type: none">• Electrical and personal safety, dangers and preventions• Properties of x-rays, Use of x-ray• Precautions and safety when operating the x-ray machine, Radiation dose, effect of x-ray radiation on human/operator• Mobile x-ray machine – list out various controls i.e. Kvp, mA, exposure time etc of x-ray machine, construction, operation• Dark room, procedure for developing x-ray film• Film drier –use

Resources:

1. Mobile X-Ray Machine
2. Dark room with accessories