

**National Vocational Qualification
Curriculum of Building Painting & Decorating
Level - 3 (Painter)**



**National Vocational and Technical Training Commission,
Islamabad**



National Vocational Qualification Level 3 of Building Painting & Decorating



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1. Introduction

Pakistan is a developing country with the 5th largest population in the world. More than 60% of our population is below 30 years of age which makes it the second youngest populated country in South Asia. This “youth bulge” provides unique challenges as well as opportunities for the country’s social and economic development. To control the increasing unemployment, promote entrepreneurship, alleviate poverty and provide skilled manpower for industrial/economic growth, the Govt of Pakistan has laid a lot of emphasis on the Technical Vocational Education and Training (TVET) Sector.

Building painter & decorator plays a very important role in the success of every construction project. A building painter and decorator provide interior and exterior decorating services to construction industry. They decorate newly-built or existing houses, apartments, factories, offices and stores, to improve the appearance of a building and to protect it from damage by water, corrosion, insects and mould. Therefore, this trade is designed to uplift the employment opportunities for youth. This trade aims to achieve the above-highlighted objectives through hands-on practical training, delivered by a team of dedicated professionals. Contrary to that, it is primarily aimed to equip the trainees to perform commercially in the construction industry.

Building painter & decorator is designed to impart not only technical skills but also soft skills (communication skills and personal grooming etc.) as well as entrepreneurial skills. The course also seeks to inculcate work ethics to foster better citizenship in general and improve the image of the Pakistani workforce in particular.



2. Purpose of qualification

The purpose of this qualification is to give the candidate a thorough understanding and skills of the construction sector with special reference to building paint in the six-month training program. The construction industry needs skilled labor to meet national and international standards. It is therefore important to stress the need for a multidisciplinary approach to meet the challenges within the sector. Upon successful completion of this course, the trainee should be able to:

- Core elements and the development of the painting process
- Give an account of the essentials construction industry and the future of this industry
- Demonstrate an understanding of different painting traits.
- Point out relevant industry stakeholders & their roles in driving innovation in paint management
- Improve the professional competence of the trainees`
- Provide opportunities for recognition of skills attained through non-formal or informal pathways
- Improve the quality and effectiveness of training and assessment for paint industry skilled labor
- Enhance construction industry activities at regional/provincial/national levels through a better approach.

3. Overall objectives of training course

The primary objective of this training program is based on the job required to be performed by a building painter and decorator. Therefore, this curriculum is designed to provide knowledge and skills on painting and decorating related to the occupation. This course deals with the concept of painting and decorating, tools and equipment needed and preparation of various paint elements. This course especially imparts skills and knowledge on various types of works such as paints on



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walls and roofs, paints on doors and windows, Gypseous decorations, manipulates decorations with paste and perform Paint Reparation works. Moreover, it also provides skills on Occupational Health, Safety & Environment (OHSE) alongside the soft skills. Trainees will practice & obtain skills using typical tools, equipment, machines and material necessary for this program. Main objectives of the training program are as under:

- Carry out activities of painting and decorating.
- Perform bench work related to painting and decorating.
- Identify and prepare various elements of painting and decorating.
- Perform paints on roofs and walls.
- Perform paints on doors and windows.
- Perform Gypseous decorations.
- Perform Paint Reparation works.
- Be familiar with occupational safety working techniques.

4. Competencies to be gained after Completion Of Course

After completing this course, the trainee will be able to perform different painting and decorating works in construction sector. Furthermore, this training program enable the trainees to develop multispectral competencies such as creative thinking, independent ability to take quick actions, better communication skills as well as be able to work in a team effectively.



5. Job opportunities available immediately and in the future

The successful pass outs of this course may avail entrepreneurial opportunities and/or fetch job/employment in construction sectors as

- Building Painter

6. Trainee entry level:

- The entry requirement for this qualification is Primary / Middle (worker & painter)

7. Minimum qualification of trainer

- 3 years of professional experience in Construction industry after DAE (Civil)/ Bachelor's degree in Civil Engineering

8. Recommended trainer: trainee ratio

- The recommended trainer and trainee ratio is 1:24 per class

9. Medium of instruction:

- Urdu, English or Regional Language

10. Curriculum development committee

The following members participated in the Curriculum development workshop from 29 Nov to 03 Dec 2021, in PITAC Lahore:



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Sr. No	Name	Designation & Organization
1.	Muhammad Aasim	Assistant Director, NAVTTC Coordinator, Islamabad
2.	Muhammad Nasir Khan	DACUM Facilitator
3.	Mr. Muhammad Irshad Najam	Instructor, Civil Draftsman & Building Painter. GTTI Gulberg
4.	Mr. Muhammad Saleem	Sr. Instructor Draftsman Civil GTTI Moghalpura Lahore
5.	Mr. Daniyal Saqib	Project Engineer at Cheema Developers Private Limited, Abbottabad
6.	Engr. Ihsanullah Shah	Senior Sub Engineer, University of Haripur Consultant Structural Engineer from PEC
7.	Mr. Inam Ul Haq	Instructor, CTTI Islamabad
8.	Engr. Mehak Javed	Site Engineer, NESPAK Lahore
9.	Engr. Rebab Maria Mahmood	Site Engineer, IMC Lahore
10.	Mr. Malak Shams ul Arifin	Lecturer, GCT Nowshera, Representative KP-TEVTA
11.	Engr. Humaira Kanwal	Assistant Professor, UOL, Lahore
12.	Zunaira Rana	Certified Assessor of CBT&A, Toba Tek Singh

11. Curriculum validation committee

The following members participated in the Curriculum development workshop from 13 to 17 Dec 2021, in PITAC Lahore:



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Sr. No	Name	Designation & Organization
1.	Muhammad Aasim	Assistant Director, NAVTTC Coordinator, Islamabad
2.	Muhammad Nasir Khan	DACUM Facilitator
3.	Mr. Muhammad Irshad Najam	Representative Punjab TEVTA, GTTI Gulberg
4.	Mr. Abdul Rehman	Representative PBTE. Lahore
5.	Miss. Faruk Naz	Representative KP TEVTA, Lecturer COE Hayatabad Peshawar
6.	Engr. Israr Ahmad	Secretary, Representative KP BTE
7.	Mr. Muhammad Saleem	Sr. Instructor Draftsman Civil GTTI Moghalpora Lahore
8.	Engr. Ihsanullah Shah	Senior Sub Engineer, University of Haripur Consultant Structural Engineer from PEC
9.	Mr. Inam Ul Haq	Instructor, CTTI Islamabad
10.	Engr. Mehak Javed	Site Engineer, NESPAK Lahore
11.	Engr. Rebab Maria Mahmood	Site Engineer, IMC Lahore
12.	Mr. Shahid Ameen	Lab Technologist, Punjab Tianjin University of Technology, Lahore
13.	Engr. Humaira Kanwal	Assistant Professor, UOL
14.	Engr. Abdul Basit Mansoor	Assistant Executive Engineer PAK PWD, Lahore
15.	Engr Arsalan Hameed Khan	Assistant Manager, Planning & projects Department, LWMC



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12. Duration of course (total time, theory & practical)

Module No.	Competency Standards	Theory hours	Practical hours	Total contact hours	Total Credit hours
Module 01.	Occupational Health, Safety and Environment at Work	10	30	40	4
Module 02.	Prepare work Site	10	30	40	4
Module 03.	Paint Internal Walls and Roofs	20	90	110	11
Module 04.	Paint Roofs and Gypseous Decorations	20	90	110	11
Module 05.	Manipulate Decorations with Paste	10	60	70	7
Module 06.	Paint the Building from outside	10	51	61	6
Module 07.	Paint Iron Doors and Windows	10	39	49	5
Module 08.	Paint Wooden Doors and Windows	10	30	40	4
Module 09.	Perform Paint Reparation Works	10	30	40	4
Module 10.	Use of Computer Applications	10	30	40	4
	Total	120	480	600	60



13. Summary of competency standards

The proposed curriculum is composed of 08 cores along with 02 generic modules that will be covered in 600 hrs. It is proposed that the course will be delivered in six-month period (Level 3). The distribution of contact hours (practical & theory) is given below:

Purposed course duration : 6 months

Estimated contact hours : 600

Estimated credit hours : 60

- **Theory** : (20%)
- **Practical** : (80%)
- **Theory** : 120 hours
- **Practical** : 480 hours



14. Summary – overview of the curriculum (All competences)

Module Title	Learning Units	Theory Days/hours	Workplace Days/hours	Time frame of modules
Module 01. 1022OHS02 Occupational health, safety, and environment in the workplace	LU1. Ensure safety at your workplace LU2. Ensure PPE's LU3. Ensure electricity points at the workplace LU4. Carry out basic first aid treatment LU5. Perform fire fighting	10	30	40
Module 02. 0732P&WC08 Prepare the work Site	LU1. Clean the work site LU2. Assemble the mobile scaffold LU3. Supply required tools LU4. Check availability of required materials LU5. Cover unpainted places with appropriate material	10	30	40
Module 03. 0732P&WC09 Paint Internal Walls and Roofs	LU1. Perform scraping of walls and roofs with stone LU2. Perform washing of walls and roofs with water LU3. Perform filling of cracks with paste	20	90	110



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Module Title	Learning Units	Theory Days/hours	Workplace Days/hours	Time frame of modules
	LU4. Perform scraping of excess parts LU5. Perform painting of walls and roofs with a basecoat LU6. Perform scrapping of walls and roofs after the basecoat LU7. Cover walls with paint LU8. Scrape the paste LU9. Perform subsequent layers of paint on walls and roofs as required			
Module 04. 0732P&WC10 Paint Roofs and Gypseous Decorations	LU1. Perform scraping of gypseous with hard sandpaper LU2. Perform painting of gypseous with base coat LU3. Perform painting of gypseous with plastic first coat LU4. Handle gypseous imperfections with filling material LU5. Conduct paint on roof with semi-gloss plastic paint or semi-gloss oil-based paint if patina LU6. Perform patina of the gypseous roof as the required style	20	90	110



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Module Title	Learning Units	Theory Days/hours	Workplace Days/hours	Time frame of modules
	LU7. Maintain cover of plain gypseous with paste LU8. Perform scraping of paste with soft sandpaper LU9. Perform paint of gypseous with a plastic final coat by a roll or a spray gun			
Module 05. 0732P&WC11 Manipulate Decorations with Paste	LU1. Fill cracks with appropriate material LU2. Scrubs excess parts (softening) LU3. Paint the desired area with an appropriate basecoat LU4. Manipulates the required style of decoration with paste LU5. Paint desired place with semi-gloss double base coat LU6. Paint desired place with the r enquired color LU7. Polish desired areas required	10	60	70
Module 06. 0732P&WC12 Paint the Building from outside	LU1. Scrape walls of building with stones LU2. Wash the building with water LU3. Paint the walls with the basecoat	10	51	61



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Module Title	Learning Units	Theory Days/hours	Workplace Days/hours	Time frame of modules
	LU4. Fill the cracks with paste LU5. Splash the external walls according to the required size LU6. Paint external walls as required			
Module 07. 0732P&WC13 Paint Iron Doors and Windows	LU1. Perform scrapping of iron doors and windows LU2. Perform painting of doors and windows with basecoat/primer LU3. Perform scrapping of iron doors and windows after basecoat LU4. Cover doors and windows with steel putty LU5. Perform scrapping of doors and windows after putty LU6. Perform painting of doors and windows with a black basecoat for anti-rust or patina LU7. Perform scrapping of doors and windows after the basecoat with a soft sandpaper LU8. Perform mixing of required paint if its anti-rust LU9. Perform splashing with anti-rust	10	39	49



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Module Title	Learning Units	Theory Days/hours	Workplace Days/hours	Time frame of modules
	<p>with a spray gun</p> <p>LU10. Patina doors and windows using tools as required</p> <p>LU11. Perform polishing doors and windows with lacquer</p>			
<p>Module 08. 0732P&WC14 Paint Wooden Doors and Windows</p>	<p>LU1. Perform scraping of doors and windows</p> <p>LU2. Manipulate imperfections with filling material according to paint type</p> <p>LU3. Perform painting of doors and windows with base coat according to paint type</p> <p>LU4. Perform scraping of doors and windows after basecoat</p> <p>LU5. Perform painting of doors and windows with required color according to standard measurements</p> <p>LU6. Perform scrapping of doors and windows with a soft sandpaper</p> <p>LU7. Perform painting doors with lacquer (Oakwood)</p>	10	30	40



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Module Title	Learning Units	Theory Days/hours	Workplace Days/hours	Time frame of modules
	LU8. Perform painting on wooden doors using cotton			
Module 09. 0732P&WC15 Perform Paint Reparation Works	LU1. Determine required materials and tools LU2. Clean the work site LU3. Remove old paints LU4. Scrape the place that will be paint LU5. Fill cracks with the appropriate material LU6. Apply paint paste LU7. Scrap the paste LU8. Paint the place with first coat LU9. Clean the place after the emery LU10. Paint place with double coats of the color	10	30	40
Module 10. 061018C01 Use of Computer Applications	LU1. Install and remove software LU2. Demonstrate Basic IT Skills LU3. Use Operating System	10	30	40
Total		120	480	600



Module 01 - 1022OHS02 Occupational health, safety, and environment in the workplace

Objective:

After completing this module, the learner will be able to understand the skills and knowledge required for an individual to not only look after his own but also the health and safety of others at work around him.

Duration:	Total hours	40	Practical	30	Theory	10
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Learning Unit	Learning Outcomes	Learning Elements	Duration	Material (Tools & Equipment) Required	Learning Place
LU1. Ensure safety at your workplace	<ul style="list-style-type: none"> Identify physical hazards (risk of slip, trip, fall, etc.) at the worksite. Turn off all the fans Avoid the use of fire and cigarettes during enamel paint Dry the floor while painting with a spray machine 	<ul style="list-style-type: none"> Describe different safety signs and symbols used at the workplace Define Housekeeping Standard procedures Explain Handling and stacking of materials at workplace/stores Explain Various kinds of Hazards associated with painting work and in general in construction sites Explain Reporting procedure to the concerned 	02 hours Theory 06 hours Practical Total: 08 hours	<ul style="list-style-type: none"> Gloves Shoes Mask Apron Safety Cap Dusting cloth/Cotton waste PPEs 	Class Room and workplace



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Learning Unit	Learning Outcomes	Learning Elements	Duration	Material (Tools & Equipment) Required	Learning Place
		authority in emergencies			
LU2. Ensure PPE's	<ul style="list-style-type: none"> • Wear gloves • Wear masks and safety goggles • Stand properly on ladders/scaffolding • Use a full-body harness while working on height • Wear helmets and safety shoes 	<ul style="list-style-type: none"> • Define risk • Enlist type of PPE's for a painting activity • Importance of PPE's • Define Personal Protective Equipment's (PPE's) <ul style="list-style-type: none"> ✓ Head protection ✓ Ear protection ✓ Fall protection ✓ Foot protection ✓ Face and Eye protection ✓ Hand & body protection ✓ Respiratory protection 	02 hours Theory 06 hours Practical Total: 08 hours	<ul style="list-style-type: none"> • Gloves • Safety goggles • Mask • Apron • Safety Cap • Ladder • Scaffolding with accessories • Dusting cloth/ Cotton waste • Shoes • Helmet • Ear plug 	Class Room and workplace
LU3. Ensure electricity points at the workplace	<ul style="list-style-type: none"> • Check the earthing of power equipment. • Determine the safest supply and route for electrical supply. • Check and select leads & switchboards accordingly. 	<ul style="list-style-type: none"> • know how to work with electrical equipment in the workplace • Define an "Electrically Safe Work Condition" and list specific steps to be taken to ensure an electrically safe work condition. 	02 hours Theory 06 hours Practical Total: 08 hours	<ul style="list-style-type: none"> • Electric tester • PPEs 	Class Room and workplace



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Learning Unit	Learning Outcomes	Learning Elements	Duration	Material (Tools & Equipment) Required	Learning Place
	<ul style="list-style-type: none"> Check the overhead electrical wires (10 feet away from the worker). 	<ul style="list-style-type: none"> State precautions to take to avoid risks to self and others when working with electrical equipment state methods of storing electrical equipment. 			
LU4. Carry out basic first aid treatment	<ul style="list-style-type: none"> Identify items of first aid kit. Check the expiry date of medicines. Perform first aid treatment for a mock bone fracture. Perform first aid treatment to mock accidental bleeding. Perform first aid treatment in simulated conditions for eye injury. Perform first aid treatment for a mock electrical shock 	<ul style="list-style-type: none"> Knowledge about first aid kit and its element <p>Practice:</p> <ul style="list-style-type: none"> First aid treatment to mock accidental bleeding. 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> First Aid Box Air vents Self-Containing Breathing Apparatus (SCBA) PPEs 	Class Room and workplace
LU5. Perform fire fighting	<ul style="list-style-type: none"> Identify source of fire. Raise fire alarms. Select appropriate fire 	<ul style="list-style-type: none"> Describe basic causes of fire Describe types of fire 	03 hours Theory	<ul style="list-style-type: none"> Fire alarms Fire bucket with sand 	Class Room and workplace



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Learning Unit	Learning Outcomes	Learning Elements	Duration	Material (Tools & Equipment) Required	Learning Place
	extinguishers. <ul style="list-style-type: none"> • Check expiry of fire extinguisher. • Check wind direction. • Locate emergency exits. 	extinguishers <ul style="list-style-type: none"> • Define PASS (Pull, Aim, Squeeze and sweep) on fire 	09 hours Practical Total: 12 hours	<ul style="list-style-type: none"> • Water • Fire extinguishers (Different types) • Signboard emergency exit • Chart of fire types • PPEs 	



Module 02 – 0732P&WC08 Prepare work site

Objective:

After completing this module, the learner will be able to understand the skills and knowledge required for the preparation of job site. It Includes reservation of furniture & fixtures, assembling of mobile scaffolding, use of appropriate tools and making all necessary arrangements for paint jobs.

Duration:	Total hours	40	Practical	30	Theory	10
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Learning Unit	Learning Outcomes	Learning Elements	Duration	Material (Tools & Equipment) Required	Learning Place
LU1. Clean the work site	<ul style="list-style-type: none"> • Clean the wall using broom/brush • Scrap the plaster splashes using a scraper • Ensure the cleaning of floor from scrapped material • Ensure the material dumped properly at designated place • Ensure polythene sheet under the wall to be paint 	<ul style="list-style-type: none"> • Enlist utilities for cleaning purpose • Describe types of waste construction material • Define splashing • Explain methods for disposal of unusable material • Elaborate process of dumping 	02 hours Theory 06 hours Practical Total: 08 hours	<ul style="list-style-type: none"> • Broom • Brush • Water • Scraper • Wiper • Dusting cloth/cotton waste • Masking Tape • Polythene sheet 	Class Room and workplace



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Learning Unit	Learning Outcomes	Learning Elements	Duration	Material (Tools & Equipment) Required	Learning Place
	properly			<ul style="list-style-type: none"> PPEs 	
LU2. Assemble the mobile scaffold	<ul style="list-style-type: none"> Arrange mobile scaffolding/ladder with adequate height upto 6ft Perform overhauling of mobile scaffolding/ladder Check all welds and joints regularly Check antiskid/rubber protection if required 	<ul style="list-style-type: none"> Define mobile Scaffolding Explain components of scaffolding Explain assembling/ installing scaffolds, platform and ladder Dismantling mobile scaffolding Storing of scaffolding <p>Practice:</p> <ul style="list-style-type: none"> Assemble mobile scaffolding Dismantle mobile scaffolding 	02 hours Theory 09 hours Practical Total: 11 hours	<ul style="list-style-type: none"> Broom/brush Water Scraper Dusting cloth/cotton waste Polythene sheet Scaffolding accessories PPEs 	Class Room and workplace
LU3. Supply required tools	<ul style="list-style-type: none"> List the required painting tools Check the tools required as per the job Arrange the tools as per requirement 	<ul style="list-style-type: none"> Enlist tools used in painting work Identify tools applicable to a assigned painting work 	02 hours Theory 03 hours Practical Total: 05 hours	<ul style="list-style-type: none"> Cleaning tools Scaffolding Polythene sheets Masking tape Required tools as per 	Class Room and workplace



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Learning Unit	Learning Outcomes	Learning Elements	Duration	Material (Tools & Equipment) Required	Learning Place
				job • PPEs	
LU4. Check availability of required materials	<ul style="list-style-type: none"> List the required painting materials Check the painting material required as per the job Check the availability of the required materials 	<ul style="list-style-type: none"> Enlist materials used in painting work Identify materials applicable to an assigned painting work Practice: <ul style="list-style-type: none"> Identify various types of paint 	02 hours Theory 03 hours Practical Total: 05 hours	<ul style="list-style-type: none"> Required material as per job PPEs 	Class Room and workplace
LU5. Cover unpainted places with appropriate material	<ul style="list-style-type: none"> Locate unpainted places Select the appropriate covering material (masking tape, polythene sheet) Cover the unpainted places 	<ul style="list-style-type: none"> Understand how to prepare domestic and commercial work areas and protect surrounding areas Practice: <ul style="list-style-type: none"> Demonstrate how protecting adjacent surfaces, furniture and fittings 	02 hours Theory 09 hours Practical Total: 11 hours	<ul style="list-style-type: none"> Masking tape Polythene sheet PPEs 	Class Room and workplace



Module 03 – 0732P&WC09 Paints internal walls and roofs

Objective:

After completing this module, the learner will be able to understand the skills and knowledge required to perform Painting of internal walls and roofs.

Duration:	Total hours	110	Practical	90	Theory	20
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
LU1. Perform scraping of walls and roofs with stone	<ul style="list-style-type: none"> Clean the walls and roofs. Cover the items with a polythene sheet to avoid paint drops. Cover the floor with a drop cloth for stability and durability. Scrape off walls and roofs that are flaking off. Use sandpaper (different grades) to smoothen the surface if required. 	<ul style="list-style-type: none"> Enlist scraping tools Explain the use of scraping tools Define sandpaper & its different grades Explain use of scraping stone Describe the procedure to applying different scraping tools <p>Practice:</p> <ul style="list-style-type: none"> Scraping of wall that are flaking off 	03 hours Theory 12 hours Practical Total: 15 hours	<ul style="list-style-type: none"> Broom/brush Water Scraper Wiper Dusting cloth/cotton waste Masking Tape Sand paper (Different grades) 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
				<ul style="list-style-type: none"> • Polythene sheet • PPEs 	
LU2. Perform washing of walls and roofs with water	<ul style="list-style-type: none"> • Gather cleaning supplies. • Wash walls and roofs with water. • Perform spray on roofs and walls with a cleaning solution • Check the wall to be dried • Rinse off with clean water 	<ul style="list-style-type: none"> • Enlist cleaning tools and materials • Describe procedure for washing of walls and roofs with water • Define cleaning solution • Describe procedure for washing walls and roofs with a cleaning solution <p>Practice:</p> <ul style="list-style-type: none"> • Prepare cleaning solution • Wash roof/wall with water 	02 hours Theory 12 hours Practical Total: 14 hours	<ul style="list-style-type: none"> • Chlorine bleach • Water • Ladder • Spray gun • Wire Brush • Polythene Sheet • Sponge • PPEs 	Class Room and workplace
LU3. Perform filling of cracks with paste	<ul style="list-style-type: none"> • Mark holes of the crack with a pencil. • Vacuum the plaster crumbs out of all the holes. • Spray conditioner into 	<ul style="list-style-type: none"> • Enlist filling materials and tools • Explain how to check and mark cracks and holes • Define paste and conditioner used in paint work • Explain preparation process of 	03 hours Theory 12 hours Practical	<ul style="list-style-type: none"> • Pencil • Scraper • Conditioner • Water • Ladder • Spray gun 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	each hole. • Spray the edges of the crack. • Wipe away any excess adhesive with a wet sponge.	filing paste • Describe the procedure how to mend cracks and holes in a wall before painting Practice: • Perform filling of cracks with paste as per task	Total: 15 hours	• Wire Brush • Polythene Sheet • Sponge • Knives • PPEs	
LU4. Perform scraping of excess parts	• Clean the excess parts. • Scrape away drips with a plastic putty knife. • Use oil to soften the paint. • Clean off all the traces with a mixture of dish soap and warm water.	• Explain the use of a plastic putty knife • Define how to soften oil paints • Describe the procedure of cleaning all the traces with appropriate materials Practice: • Perform scraping of any excess material on walls/roofs	01 hours Theory 06 hours Practical Total: 07 hours	• Scraper • Warm water • Ladder • Oil • Soap • Spray gun • Wire Brush • Polythene Sheet • Sponge • Knives • PPEs	Class Room and workplace
LU5. Perform painting of walls and roofs with a	• Use buckets of standard white primer. • Apply an even basecoat	• Identify appropriate materials and tools • Define primer and its purpose	03 hours Theory	• Scraper • White primer	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
basecoat	<ul style="list-style-type: none"> onto the wall. Maintain thickness of basecoat for consistency and smoothness. Let the primer dry completely. Keep your work area ventilated by opening a window. 	<ul style="list-style-type: none"> Define the purpose of the basecoat Define stability and durability Define consistency Explain basecoat preparation Describe the procedure applying a base coat Knowledge of the basecoat cure process <p>Practice:</p> <ul style="list-style-type: none"> Perform painting of walls and roofs with a basecoat 	12 hours Practical Total: 15 hours	<ul style="list-style-type: none"> Paint Paint kettle Brush Water Ladder Spray gun Wire Brush Polythene Sheet Knives PPEs 	
LU6. Perform scrapping of walls and roofs after the basecoat	<ul style="list-style-type: none"> Use a scraper or sandpaper to remove any loose, cracked, or peeling paint from the damaged area. Use a putty knife; apply a thin layer of patching material to the damaged area. Use sandpaper to smooth the patched area to make 	<ul style="list-style-type: none"> Define different techniques of scrapping using a scraper or sandpaper to remove any loose, cracked, or peeling paint after the basecoat 	02 hours Theory 06 hours Practical Total: 08 hours	<ul style="list-style-type: none"> Scraper Sand paper Broom Brush Water Ladder Wire Brush Polythene Sheet Knives PPEs 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	it even with the surface.				
LU7. Cover walls with paint	<ul style="list-style-type: none"> Choose the right type of paint. Mix the paint thoroughly with the help of an electric paint mixer or handheld stirrer. Apply paint on the wall with standard procedure . 	<ul style="list-style-type: none"> Explain selection of paint according to job Describe paint preparation process Enlist tools and equipment used for paint preparation Explain proper handling of tools and equipment <p>Practice:</p> <ul style="list-style-type: none"> Mixing of paint with the help of an electric paint mixer Mixing of paint with the help of handheld mixer 	02 hours Theory 12 hours Practical Total: 14 hours	<ul style="list-style-type: none"> Electric paint mixer Handheld stirrer. Paint Paint kettle Brush Thinner Kerosene oil Ladder Spray gun Wire Brush Polythene Sheet Knives PPEs 	Class Room and workplace
LU8. Scrape the paste	<ul style="list-style-type: none"> Use a scraper or sandpaper to remove any loose, cracked, or peeling paint from the damaged area. Use a putty knife; apply a 	<ul style="list-style-type: none"> Explain different techniques of scrapping by using sandpaper to smooth the patched area to make it even with the surface 	01 hours Theory 06 hours Practical	<ul style="list-style-type: none"> Scraper Sand paper Broom Brush Water Ladder 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	thin layer of patching material to the damaged area. <ul style="list-style-type: none"> Use sandpaper to smooth the patched area to make it even with the surface 		Total: 07 hours	<ul style="list-style-type: none"> Wire Brush Polythene Sheet Knives PPEs 	
LU9. Perform subsequent layers of paint on walls and roofs as required	<ul style="list-style-type: none"> Apply additional paint coats on the walls Start with the outer edges of the wall and work the way inward. Ensure minimum 2-4 hours between coats to give the fresh paint time to dry. Allow the paint to be setup overnight. Check for thin spots, lumps, or other problems Cure completely for 24-48 hours. Remove the painter's tape. 	<ul style="list-style-type: none"> Explain causes of paint defects and its solutions Define intermediate coat Define final coat Explain the procedure of applying intermediate and final coat Explain the paint cure process <p>Practice:</p> <ul style="list-style-type: none"> Perform painting wall/roof with subsequent layers of paint 	03 hours Theory 12 hours Practical Total: 15 hours	<ul style="list-style-type: none"> Scraper Broom Paint Paint kettle and paint can Brush Water Spray gun Ladder Wire Brush Polythene Sheet Knives PPEs 	Class Room and workplace



Module 04 – 0732P&WC10 Paint roof and gypseous decorations

Objective:

After completing this module, the learner will be able to understand skills and knowledge required to paint roof and gypseous decorations.

Duration:	Total hours	110	Practical	90	Theory	20
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
LU1. Perform scraping of gypseous with hard sandpaper	<ul style="list-style-type: none"> • Prepare the work area • Cover the nearby area to avoid scrap dust accumulation. • Gather scrapping tools • Prepare gypsum board surface. • Remove old paints and finishes (if any). • Scrape off the gypseous roof with hard sandpaper 	<ul style="list-style-type: none"> • Enlist scraping tools for gypsum board surface • Explain purpose and use of gypseous roof • Describe how to prepare gypsum board surface • Describe the techniques of removing old paints and finishes • Explain the purpose of hard sandpaper 	03 hours Theory 12 hours Practical Total: 15 hours	<ul style="list-style-type: none"> • Scrapper • Sand paper • Broom • Brush • Water • Scaffolding • Gypsum board • Wire Brush • Polythene Sheet • Knives • PPEs 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
LU2. Perform painting of gypseous with base coat	<ul style="list-style-type: none"> Select the correct level of gypsum board Cover the visible joints or screws and sand them Select the appropriate base coat. Select the appropriate tools/brushes Apply the base coat using the proper technique Ensure base coat to dry for minimum 4 hours to settle. Ensure appropriate ventilation 	<ul style="list-style-type: none"> Identify appropriate materials and tools for performing painting of gypseous Explain gypsum board finish level Describe the techniques of applying base coat on gypsum board Explain the base coat cure process on gypsum board <p>Practice:</p> <ul style="list-style-type: none"> Paint gypseous roof with base coat as per task 	02 hours Theory 12 hours Practical Total: 14 hours	<ul style="list-style-type: none"> Sand paper Paint Paint kettle and paint can Broom Brushes Water Spray gun Scaffolding Wire Brush Polythene Sheet Knives PPEs 	Class Room and workplace
LU3. Perform painting of gypseous with plastic first coat	<ul style="list-style-type: none"> Check repairs if needed Select appropriate paint. Use proper painting techniques and tools Mix the paint thoroughly for uniform texture. 	<ul style="list-style-type: none"> Define plastic Paint Explain classes and finishes of plastic paint Enlist the advantage & disadvantages of plastic paint 	03 hours Theory 12 hours Practical	<ul style="list-style-type: none"> Sand paper Paint Paint kettle and paint can Broom 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	<ul style="list-style-type: none"> • Apply first coat of paint • Start cutting in around the edges. 	<ul style="list-style-type: none"> • Identify appropriate tools for performing painting of gypseous with plastic • Describe the techniques of applying plastic paint <p>Practice:</p> <ul style="list-style-type: none"> • Painting a gypseous surface with plastic paint 	Total: 15 hours	<ul style="list-style-type: none"> • Brushes • Hand mixer • Machine mixer • Spray gun • Scaffolding • Polythene Sheet • Knives • PPEs 	
LU4. Handle gypseous imperfections with filling material	<ul style="list-style-type: none"> • Identify the gypseous imperfections • Apply the filling material to uniform the imperfections • Remove excess filling material • Ensure dryness of surface 	<ul style="list-style-type: none"> • Define and identify the gypseous imperfections • Describe the procedure how to mend gypseous imperfections with filling material 	01 hours Theory 06 hours Practical Total: 07 hours	<ul style="list-style-type: none"> • Scrapper • Sand paper (180,220) • Paint • Brushes • Hand mixer • Ladder • Polythene Sheet • Knives • PPEs 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
LU5. Conduct paint on roof with semi-gloss plastic paint or semi-gloss oil-based paint if patina	<ul style="list-style-type: none"> • Select appropriate paint • Select appropriate tools • Apply semi-gloss plastic paint or semi-gloss oil-based paint • Let the primer dry completely. 	<ul style="list-style-type: none"> • Describe the techniques of applying semi-gloss plastic paint or semi-gloss oil-based paint 	02 hours Theory 06 hours Practical Total: 08 hours	<ul style="list-style-type: none"> • Paint kettle • Brushes • Hand mixer • Semi-gloss plastic paint • Semi-gloss oil-based paint • Ladder • Putty • Polythene Sheet • Knives • PPEs 	Class Room and workplace
LU6. Perform patina of the gypseous roof as the required style	<ul style="list-style-type: none"> • Identify the patina requirements of gypseous roof • Select patina • Select the appropriate tool • Apply patina • Check uniformity 	<ul style="list-style-type: none"> • Identify appropriate tools for performing patina • Define patina paint • Enlist types of patina paint according to finishes • Describe the techniques of applying patina to the 	03 hours Theory 12 hours Practical Total: 15 hours	<ul style="list-style-type: none"> • Brushes • Scraper • Ladder • Putty • Patina • Polythene Sheet 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
		<p>gypseous roof as the required style</p> <p>Practice:</p> <ul style="list-style-type: none"> Applying patina on the gypseous roof 		<ul style="list-style-type: none"> Knives PPEs 	
LU7. Maintain cover of plain gypseous with paste	<ul style="list-style-type: none"> Identify the plain gypseous areas to cover Apply the paste Remove excess paste Let the gypseous paste dry completely. 	<ul style="list-style-type: none"> Define plain gypseous paste <p>Practice:</p> <ul style="list-style-type: none"> Demonstrate the techniques of applying the paste on plain gypseous areas 	<p>02 hours Theory</p> <p>12 hours Practical</p> <p>Total: 14 hours</p>	<ul style="list-style-type: none"> Brushes Scraper Ladder Putty Patina Polythene Sheet PPEs 	Class Room and workplace
LU8. Perform scraping of paste with soft sandpaper	<ul style="list-style-type: none"> Gather scraping tools Sand the edges if needed Use sandpaper 220 to smooth the surface 	<ul style="list-style-type: none"> Enlist scraping tools for gypsum surface Define the use of soft sandpaper Describe different techniques for scraping paste using a soft sandpaper <p>Practice;</p>	<p>01 hours Theory</p> <p>06 hours Practical</p> <p>Total: 07 hours</p>	<ul style="list-style-type: none"> Scraper Sand paper Ladder Polythene Sheet PPEs 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
		<ul style="list-style-type: none"> Demonstrate how to prepare smooth surface by using sandpaper 220 			
LU9. Perform paint of gypseous with a plastic final coat by a roll or a spray gun	<ul style="list-style-type: none"> Select the appropriate paint Select the appropriate tools Apply the plastic final coat Let the plastic paint dry completely. 	<ul style="list-style-type: none"> Define the function of roll or spray gun Describe the technique to apply plastic paint on gypseous with the roll or spray gun <p>Practice:</p> <ul style="list-style-type: none"> Paint a gypseous roof with spray gun 	03 hours Theory 12 hours Practical Total: 15 hours	<ul style="list-style-type: none"> Paint Paint kettle and paint can Roller Spray gun Brushes Hand mixer Ladder Polythene Sheet Knives PPEs 	Class Room and workplace



Module 05 – 0732P&WC11 Manipulates decorations with paste

Objective:

After completing this module, the learner will be able to understand skills and knowledge required to manipulate decorations with paste.

Duration:	Total hours	70	Practical	60	Theory	10
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
LU1. Fill cracks with appropriate material	<ul style="list-style-type: none"> Check and clean the cracked portion Select the appropriate material and tools to fill the crack Moisten the cracked surface before applying paste Press the crack fill paste with putty knife or spatula. Level the surface with putty knife Check the level and 	<ul style="list-style-type: none"> Identify appropriate tools and materials to fill the crack Describe the technique to apply the paste with a putty knife or spatula Explain how to check the level and smoothness of the surface <p>Practice:</p> <ul style="list-style-type: none"> Perform filling cracks with appropriate material 	02 hours Theory 06 hours Practical Total: 08 hours	<ul style="list-style-type: none"> Sand paper Paint putty knife Spatula Brushes Water Ladder Wire Brush Polythene Sheet PPEs 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	smoothness of the surface • Avoid cavity or bubble formation.				
LU2. Scrubs excess parts (softening)	• Gather scrubbing tools • Scrub off excess paste	• Enlist scrubbing tools	01 hours Theory 03 hours Practical Total: 04 hours	• Broom/ • Brushes • PPEs	Class Room and workplace
LU3. Paint the desired area with an appropriate basecoat	• Select the appropriate base coat/primer as per requirement • Select the appropriate tools • Apply the primer/base coat • Leave the base coat/primer to dry • Ensure ventilation	• Describe the advantages of basecoat/primer Practice: • Apply the primer/base coat to given surface	02 hours Theory 06 hours Practical Total: 08 hours	• Paint • Paint kettle and paint can • Roller • Spray gun • Brushes • Hand mixer • Ladder • Polythene Sheet	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
				<ul style="list-style-type: none"> Knives PPEs 	
LU4. Manipulates the required style of decoration with paste	<ul style="list-style-type: none"> Check the style of decoration Apply the paste to uniform the style of decoration Remove excess paste Let the paste dry completely 	<ul style="list-style-type: none"> Identify appropriate tools and materials for decoration Describe the purpose of decorating Describe the techniques of applying the paste to uniform the style of decoration 	01 hours Theory 24 hours Practical Total: 25 hours	<ul style="list-style-type: none"> Paint Roller Styles book Spray gun Brushes Hand mixer Ladder Polythene Sheet Knives PPEs 	Class Room and workplace
LU5. Paint desired place with semi-gloss double base coat	<ul style="list-style-type: none"> Select the appropriate semi-gloss base coat as per requirement Select the appropriate tools Apply semi-gloss double base coat 	<ul style="list-style-type: none"> Identify appropriate tools and materials Describe the techniques of applying the semi-gloss base coat <p>Practice:</p>	02 hours Theory 06 hours Practical Total: 08 hours	<ul style="list-style-type: none"> Paint Paint kettle and paint can Brushes Hand mixer 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	<ul style="list-style-type: none"> Ensure dryness of semi-gloss base coat Ensure ventilation 	<ul style="list-style-type: none"> Apply semi-gloss double base coat as per given task 		<ul style="list-style-type: none"> Semi-gloss plastic paint Semi-gloss oil-based paint Ladder Polythene Sheet Knives PPEs 	
LU6. Paint desired place with the required color	<ul style="list-style-type: none"> Select the appropriate color Apply color in the desired place Ensure color correction (if needed) 	Practice: <ul style="list-style-type: none"> Demonstrate techniques of applying the color at i desired places 	01 hours Theory 06 hours Practical Total: 07 hours	<ul style="list-style-type: none"> Paint Paint kettle and paint can Brushes Pigments Hand mixer Ladder Putty 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
				<ul style="list-style-type: none"> Polythene 	
LU7. Polish desired areas required	<ul style="list-style-type: none"> Select appropriate polish Select appropriate polishing tools Apply the polish to the desired area 	<ul style="list-style-type: none"> Define the purpose of polish Enlist tools used in polish work Describe techniques of applying polish to the desired area <p>Practice:</p> <ul style="list-style-type: none"> Apply the polish to the desired area 	01 hours Theory 09 hours Practical Total: 10 hours	<ul style="list-style-type: none"> Brushes Polish Malmal cloth Spirit Thinner Hand mixer Ladder Polythene Sheet 	Class Room and workplace



Module 06 – 0732P&WC12 Paint the building from outside

Objective:

After completing this module, the learner will be able to understand skills and knowledge required to paint the building from outside.

Duration:	Total hours	61	Practical	51	Theory	10
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
LU1. Scrape walls of building with stones	<ul style="list-style-type: none"> Remove obstacles Clean the walls Gather scrapping tools Remove old paints and finishes (if any). Scrape off the walls with stones 	<ul style="list-style-type: none"> Describe proper use and handling of equipment/tools Understanding of scrapping tools <p>Practice:</p> <ul style="list-style-type: none"> Scraping of any exterior wall of a building by using stones 	02 hours Theory 09 hours Practical Total: 11 hours	<ul style="list-style-type: none"> Broom/ brushes Scraper Sand papers Paint Brushes Stones Ladder Putty Polythene Sheet 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
				<ul style="list-style-type: none"> Knives PPEs 	
LU2. Wash the building with water	<ul style="list-style-type: none"> Cover doors, windows, and lights Gather washing supplies. Wash the building from top to bottom. 	<ul style="list-style-type: none"> Understanding of washing supplies <p>Practice:</p> <ul style="list-style-type: none"> Wash any exterior wall of a building with water. 	02 hours Theory 03 hours Practical Total: 05 hours	<ul style="list-style-type: none"> Scraper Brushes Water Water pipes Plastic tape Ladder Polythene Sheet Knives PPEs 	Class Room and workplace
LU3. Paint the walls with the basecoat	<ul style="list-style-type: none"> Use sandpaper to smoothen the surface if required Select the appropriate basecoat/primer as per requirement Select the appropriate tools 	<ul style="list-style-type: none"> Describe the grades of sandpaper Define primer Explain the purpose of Primer/ base coat Explain the procedure of applying primer 	01 hours Theory 09 hours Practical Total: 10 hours	<ul style="list-style-type: none"> Paint Paint can Brushes Hand mixer Paint kettle Spray gun 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	<ul style="list-style-type: none"> • Apply the base coat/primer • Leave the base coat/primer to dry 	Practice: <ul style="list-style-type: none"> • Paint any wall with basecoat. 		<ul style="list-style-type: none"> • Ladder • Putty • Polythene Sheet • Knives • PPEs 	
LU4. Fill the cracks with paste	<ul style="list-style-type: none"> • Locate the holes in the crack. • Apply paste • Remove excess paste 	<ul style="list-style-type: none"> • Explain how to fill cracks properly • Explain the procedure of applying paste Practice: <ul style="list-style-type: none"> • Fill crack with paste as per task 	01 hours Theory 06 hours Practical Total: 07 hours	<ul style="list-style-type: none"> • Ladder • Putty • Spatula • Scraper • Polythene Sheet • Knives • PPEs • 	Class Room and workplace
LU5. Splash the external walls according to the required size	<ul style="list-style-type: none"> • Recognize size as per requirement • Focus on the required size • Select the appropriate tools • Mix the paints as per requirement 	<ul style="list-style-type: none"> • Define splashing • Explain procedure of splashing external walls Practice: <ul style="list-style-type: none"> • Perform splashing of external wall as per given task 	02 hours Theory 12 hours Practical Total: 14 hours	<ul style="list-style-type: none"> • Pencil • Measuring tape • Brushes • Spray gun • PPEs 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
LU6. Paint external walls as required	<ul style="list-style-type: none"> • Select the appropriate paint • Select the appropriate tools • Apply paint starting from top to bottom. 	<ul style="list-style-type: none"> • Explain the procedure of painting external walls <p>Practice:</p> <ul style="list-style-type: none"> • Paint the external wall as per task 	02 hours Theory 12 hours Practical Total: 14 hours	<ul style="list-style-type: none"> • Paint • Paint kettle and paint can • Brushes • Hand mixer • Paint kettle • Spray gun • Ladder • Putty • Polythene Sheet • Knives • PPEs 	Class Room and workplace



Module 07 – 0732P&WC13 Paint iron doors and windows

Objective:

After completing this module, the learner will be able to understand the skills and knowledge required to perform painting of iron doors and windows.

Duration:	Total hours	49	Practical	39	Theory	10
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
LU1. Perform scraping of iron doors and windows	<ul style="list-style-type: none"> Clean the doors and windows. Cover items with a polythene sheet. Cover the floor with a drop cloth for stability and durability. Wipe down the whole surface of iron doors and windows to eliminate any dampness. Scrape off doors and windows to eliminate old 	Practice: <ul style="list-style-type: none"> Scraping iron door Scraping iron window 	00 hours Theory 03 hours Practical Total: 03 hours	<ul style="list-style-type: none"> Scrapper Brushes Water Duster cloth Wire brush Water pipes Plastic tape Ladder Polythene 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	paint and uncover rusted spots. <ul style="list-style-type: none"> Use a wire brush to eliminate the residue with an old paintbrush. 			Sheet <ul style="list-style-type: none"> Knives PPEs 	
LU2. Perform painting of doors and windows with basecoat/primer	<ul style="list-style-type: none"> Choose appropriate basecoat/primer. Ensure humidity level is less than 80%. Apply basecoat/primer on doors and windows Ensure dryness of primer for minimum 3 to 4 hours 	<ul style="list-style-type: none"> Define the purpose of basecoat/primer Explain humidity Procedure of applying basecoat/primer on doors and windows <p>Practice:</p> <ul style="list-style-type: none"> Apply primer on a door/window as per task 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Scrapper Brushes Paint Thinner Kerosene oil Plastic tape Ladder Polythene Sheet Knives PPEs 	Class Room and workplace
LU3. Perform scrapping of iron doors and windows after	<ul style="list-style-type: none"> Wipe down the affected surface of iron doors and windows after basecoat. Scrape off the affected 	<ul style="list-style-type: none"> Knowledge of scraping and painting tools Define smoothness 	01 hours Theory 03 hours	<ul style="list-style-type: none"> Scrapper Brushes Sand papers 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
basecoat	portion of doors and windows after basecoat. <ul style="list-style-type: none"> Use sandpaper softly for smoothness. 		Practical Total: 04 hours	<ul style="list-style-type: none"> Ladder Polythene Sheet PPEs 	
LU4. Cover doors and windows with steel putty	<ul style="list-style-type: none"> Apply steel putty on doors and windows. Ensure to fill up all the holes with iron paste. 	<ul style="list-style-type: none"> Explain the purpose of applying steel putty Enlist steps to fill up cracks with steel putty <p>Practice:</p> <ul style="list-style-type: none"> Apply steel putty on door/window as per task 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Iron paste Spatula Putty Brushes PPEs 	Class Room and workplace
LU5. Perform scrapping of doors and windows after putty	<ul style="list-style-type: none"> Wipe down the affected surface of the iron doors and windows after steel putty Scrape off the affected portion of doors and windows after steel putty. Use sand softly for smoothness. 	<ul style="list-style-type: none"> Enlist steps to wipe down affected surface 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Scraper Brushes Broom Sand papers Ladder Polythene Sheet PPEs 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
LU6. Perform painting of doors and windows with a black basecoat for anti-rust or patina	<ul style="list-style-type: none"> • Apply black base on doors and windows for a unique pattern. • Use a black basecoat to avoid rust. • Ensure dryness of primer for minimum 3 to 4 hours 	<ul style="list-style-type: none"> • Define patina • Explain the purpose of black base painting. <p>Practice:</p> <ul style="list-style-type: none"> • Apply black base on a window/door as per task 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> • Spatula • Brushes • Broom • Paint kettle • Black basecoat • Ladder • Polythene Sheet • PPEs 	Class Room and workplace
LU7. Perform scrapping of doors and windows after the basecoat with a soft sandpaper	<ul style="list-style-type: none"> • Wipe down the affected surface of the iron doors and windows after the black base. • Scrape off the affected portion of doors and windows after the black base. • Use sand on the door slowly and lightly with fine 	<ul style="list-style-type: none"> • Define the purpose of soft sandpaper • Enlist different grades of sandpaper 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> • Scraper • Brushes • Broom • Sand papers • Ladder • Polythene Sheet • PPEs 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	sandpaper.				
LU8. Perform mixing of required paint if its anti-rust	<ul style="list-style-type: none"> Collect and inspect the required paint. Make sure that it's anti-rust. Mix the required paint with water. 	<ul style="list-style-type: none"> Knowledge and understanding of anti-rust Enlist steps of mixing of paint <p>Practice:</p> <ul style="list-style-type: none"> Mix the paint with water if its anti-rust as per standard 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Brushes Anti-rust paint mix Water Polythene Sheet PPEs 	Class Room and workplace
LU9. Perform splashing with anti-rust with a spray gun	<ul style="list-style-type: none"> Select the spray gun. Apply the proper anti-rust coating against the deteriorating effects that occur from exposure to water. Use of proper splashing of anti-rust by spray gun to prevent water molecules from reaching the surface so it cannot get oxygen. 	<ul style="list-style-type: none"> Define splashing Knowledge of spray gun Steps to apply anti-rust coating Knowledge about deteriorating effects caused from exposure of water <p>Practice:</p> <ul style="list-style-type: none"> Splashing of anti-rust by spray gun as per task 	01 hours Theory 06 hours Practical Total: 07 hours	<ul style="list-style-type: none"> Paint Anti-rust paint mix Brushes Hand mixer Paint kettle Spray gun Ladder Polythene Sheet 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
				<ul style="list-style-type: none"> Knives PPEs 	
LU10. Patina doors and windows using tools as required	<ul style="list-style-type: none"> Select the appropriate patinas. Apply the patina to the iron doors and windows. Make sure that all the cracks are filled up by patina. 	<ul style="list-style-type: none"> Explain the purpose of patina Enlist steps to apply patina Enlist steps to fill cracks with patina <p>Practice:</p> <ul style="list-style-type: none"> Apply patina to iron doors/windows as per task 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Paint Brushes Hand mixer Paint kettle Spray gun Ladder Putty Polythene Sheet Knives PPEs 	Class Room and workplace
LU11. Perform polishing doors and windows with lacquer	<ul style="list-style-type: none"> Select the correct lacquer. Spray solvent-based furniture cleaner to make lacquer shiny. Apply lacquer on iron 	<ul style="list-style-type: none"> Define lacquer Explain the purpose of applying lacquer Knowledge of solvent-based furniture cleaner 	01 hours Theory 06 hours Practical	<ul style="list-style-type: none"> Brushes Lacquer Hand mixer Paint 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	<p>doors and windows,</p> <ul style="list-style-type: none"> • Leave it to dry completely. • Use sandpaper before applying the subsequent coat. 	<p>Practice:</p> <ul style="list-style-type: none"> • Polish a door with lacquer as per task 	Total: 07 hours	<p>kettle</p> <ul style="list-style-type: none"> • Paint polish • Sand paper • Spray gun • Ladder • Polythene Sheet • Knives • PPEs 	



Module 08 – 0732P&WC14 Paint wooden doors and windows

Objective:

After completing this module, the learner will be able to understand the skills and knowledge required to perform Painting of wooden doors and windows.

Duration:	Total hours	40	Practical	30	Theory	10
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
LU1. Perform scraping of doors and windows	<ul style="list-style-type: none"> Clean doors and windows. Cover floor with a drop cloth for stability and durability. Cover fixtures with polythene sheet to avoid paint drops. Remove hardware like knob and any locks on door. Open doors and windows to ensure ventilation. 	<ul style="list-style-type: none"> Explain the use of drop cloth Define stability and durability Explain steps to perform scraping of doors and windows Define the purpose of wooden putty 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Scrapper Brushes Water Duster cloth Wire brush Water pipes Plastic tape Ladder 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	<ul style="list-style-type: none"> Select the required tools. Scrape off doors and windows to eliminate old paint. Clean the doors and windows and fill any cracks with wooden putty 			<ul style="list-style-type: none"> Screw driver Plier Putty Polythene Sheet Knives PPEs 	
LU2. Manipulate imperfections with filling material according to paint type	<ul style="list-style-type: none"> Inspect type of door or window. Choose a painting technique according to the type of door or window. Choose type of paint. Choose gloss wisely to avoid imperfections. Inspect any cracks or holes. Sand off any paint left before. 	<ul style="list-style-type: none"> Knowledge of manipulation imperfections with filling material Explain the types of paint 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Brushes Paint Duster cloth Sand paper Wire brush Ladder Polythene Sheet Knives PPEs 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
LU3. Perform painting of doors and windows with base coat according to paint type	<ul style="list-style-type: none"> Select appropriate tools according to the paint type. Use a paint roller and long, smooth, vertical strokes to cover the panels of door. Apply the base coat to the doors and windows before applying a topcoat. Ensure dryness of basecoat for minimum 2 to 4 hours 	<ul style="list-style-type: none"> Explain the procedure of painting wooden surface Knowledge of painting tools Explain different types of coats used for wooden surface <p>Practice:</p> <ul style="list-style-type: none"> Apply basecoat at wooden window/door as per task 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Brushes Paint Paint kettle and paint can Thinner Kerosene oil Plastic tape Ladder Polythene Sheet Knives Roller PPEs 	Class Room and workplace
LU4. Perform scraping of doors and windows after basecoat	<ul style="list-style-type: none"> Wipe down the affected surface of wooden doors and windows after basecoat. Scrape off affected portion of doors and 	<ul style="list-style-type: none"> Enlist steps to scrape off affected portion of doors and windows 	01 hours Theory 03 hours Practical	<ul style="list-style-type: none"> Scraper Brushes Sand paper Paint Plastic 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	windows. <ul style="list-style-type: none"> Use sandpaper for smoothness. 		Total: 04 hours	tape <ul style="list-style-type: none"> Ladder Polythene Sheet Knives PPEs 	
LU5. Perform painting of doors and windows with required color according to standard measurements	<ul style="list-style-type: none"> Select color of paint according to standard measurements. Cover hinges and anything else that does not need to be painted Apply paintbrush on the recessed areas of panels for even coverage. Check edges of panel to make sure paint covers evenly 	<ul style="list-style-type: none"> Knowledge of color selection Define hinges Steps to perform painting of doors and windows for even coverage <p>Practice:</p> <ul style="list-style-type: none"> Demonstrate painting of door/window as per task 	02 hours Theory 06 hours Practical Total: 08 hours	<ul style="list-style-type: none"> Brushes Paint Paint kettle and paint can Thinner Pigment Kerosene oil Plastic tape Ladder Masking tape Polythene Sheet 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
				<ul style="list-style-type: none"> Knives PPEs 	
LU6. Perform scrapping of doors and windows with a soft sandpaper	<ul style="list-style-type: none"> Wipe down affected surface of wooden doors and windows after painting. Scrape off affected portion of doors and windows. Use sandpaper for smoothness. 	<ul style="list-style-type: none"> Explain the use of sandable wooden fillers 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Scrapper Brushes Sand paper Paint Plastic tape Ladder Polythene Sheet Knives PPEs 	Class Room and workplace
LU7. Perform painting doors with lacquer (Oak wood)	<ul style="list-style-type: none"> Check lacquer on wooden doors Use a damp rag to remove sandpaper dust. Apply lacquer to the Oak (wooden). Ensure dryness of paint on wooden door for 	<ul style="list-style-type: none"> Define lacquer Define damp rag Steps to apply lacquer on wooden doors <p>Practice:</p> <ul style="list-style-type: none"> Paint a wooden door with lacquer as per task 	02 hours Theory 06 hours Practical Total: 08 hours	<ul style="list-style-type: none"> Brushes Lacquer Paint Paint kettle and paint can Plastic tape 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	minimum 48 hours			<ul style="list-style-type: none"> • Ladder • Polythene Sheet • Knives • PPEs 	
LU8. Perform painting on wooden doors using cotton	<ul style="list-style-type: none"> • Select and inspect the cotton. • Apply sand down wood to remove the top layer. • Select appropriate color. • Apply primer to door as per standard procedure • Apply cotton paint on doors • Let it dry completely. 	<ul style="list-style-type: none"> • Steps to apply paint on wooden doors and windows using cotton • Explain the purpose of using cotton <p>Practice:</p> <ul style="list-style-type: none"> • Paint a wooden door using cotton 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> • Cotton • Brushes • Sand paper • Broom • Paint • Paint kettle and paint can • Plastic tape • Ladder • Polythene Sheet • Knives • PPEs 	Class Room and workplace



Module 09 – 0732P&WC15 Perform paint repairation works

Objective:

After completing this module, the learner will be able to understand the skills and knowledge required to perform surface preparation and painting for repair of damaged surfaces and facilities.

Duration:	Total hours	40	Practical	30	Theory	10
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
LU1. Determine required materials and tools	<ul style="list-style-type: none"> Select appropriate materials as per requirement Select different brushes and rollers when required Wash the tools Let the tools dry. Select an adequate amount of paint when required for the painter Select repair paste as per requirement 	<ul style="list-style-type: none"> Describe proper use and handling of equipment/tools Knowledge of repair paste Define scaffolding Purpose of scaffolding 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Scraper Brushes Water Roller Duster cloth Wire brush Water pipes Plastic tape 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	<ul style="list-style-type: none"> Arrange scaffolding/ladder where required 			<ul style="list-style-type: none"> scaffolding/ladder Plier Putty Polythene Sheet Knives PPEs 	
LU2. Clean the work site	<ul style="list-style-type: none"> Clean and prepare work areas Remove obstacles if any Cover doors, windows, and lights Cover the floor with a drop cloth for stability and durability. 	<ul style="list-style-type: none"> Explain the proper use of suitable PPEs Explain the purpose of stability and durability 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Scrapper Brushes Water Duster cloth Wire brush Plastic tape Polythene Sheet Knives PPEs 	Class Room and workplace
LU3. Remove old	<ul style="list-style-type: none"> Clean the wall 	<ul style="list-style-type: none"> Explain paint removing 	01 hours	<ul style="list-style-type: none"> Scrapper 	Class



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
paints	<ul style="list-style-type: none"> Remove old paint (if any) using proper techniques Clean the floor Dump the residual material properly in designated area 	<p>techniques (scraper, paint remover, fire technique)</p> <p>Practice:</p> <ul style="list-style-type: none"> Remove old paint from a wall using paint remover 	<p>Theory</p> <p>03 hours</p> <p>Practical</p> <p>Total: 04 hours</p>	<ul style="list-style-type: none"> Brushes Water Duster cloth Wire brush Plastic tape Polythene Sheet Knives PPEs 	Room and workplace
LU4. Scrape the place that will be paint	<ul style="list-style-type: none"> Gather scrapping tools Scrape off the areas that are flaking off Apply sandpaper to smoothen the surface if required. 	<ul style="list-style-type: none"> Explain the term flaking off Purpose of sandpaper 	<p>01 hours</p> <p>Theory</p> <p>03 hours</p> <p>Practical</p> <p>Total: 04 hours</p>	<ul style="list-style-type: none"> Scraper Brushes Water Duster cloth Wire brush Sand paper Polythene 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
				Sheet <ul style="list-style-type: none"> Knives PPEs 	
LU5. Fill cracks with the appropriate material	<ul style="list-style-type: none"> Select appropriate material Locate holes or cracks. Apply paste Remove excess paste 	<ul style="list-style-type: none"> Explain how to fill cracks properly <p>Practice:</p> <ul style="list-style-type: none"> Fill the cracks by applying paste as per task 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Putty Water Duster cloth Wire brush Polythene Sheet Knives PPEs 	Class Room and workplace
LU6. Apply paint paste	<ul style="list-style-type: none"> Select appropriate paint paste Select appropriate tools Check the place to be paint Apply paint paste 	<ul style="list-style-type: none"> Selection of paint according to the requirement 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Brushes Paint paste Paint kettle and paint can Duster cloth Plastic 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
				tape • Polythene Sheet • Knives • PPEs • •	
LU7. Scrap the paste	<ul style="list-style-type: none"> • Gather scrapping tool as per requirement • Scrape the paste where needed • Remove excess paste 	<ul style="list-style-type: none"> • Explain the steps to scrap the paste 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> • Scraper • Brushes • Duster cloth • Sand paper • Wire brush • Polythene Sheet • Knives • PPEs 	Class Room and workplace
LU8. Paint the place with first	<ul style="list-style-type: none"> • Select the appropriate paint. • Apply an even-first coat 	<ul style="list-style-type: none"> • Purpose of Primer/ base coat • Explain smoothness and 	01 hours Theory	<ul style="list-style-type: none"> • Brushes • Sand paper 	Class Room and



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
coat	into affected area <ul style="list-style-type: none"> • Check the first coat for smoothness and consistency. • Keep work area ventilated by opening a window. 	consistency <ul style="list-style-type: none"> • Knowledge of ventilation 	03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> • Paint • Paint kettle and paint can • Thinner • Kerosene oil • Plastic tape • Ladder • Polythene Sheet • Knives • PPEs 	workplace
LU9. Clean the place after the emery	<ul style="list-style-type: none"> • Gather the cleaning tools • Clean the place after emery where needed 	<ul style="list-style-type: none"> • Explain emery • Steps to clean the place after emery 	01 hours Theory 03 hours Practical Total:	<ul style="list-style-type: none"> • Scrapper • Brushes • Duster cloth • Broom • Wire brush • Polythene 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
			04 hours	Sheet <ul style="list-style-type: none"> Knives PPEs 	
LU10. Paint place with double coats of the color	<ul style="list-style-type: none"> Select the appropriate color Apply a double coat of the desired color Ensure color correction 	<ul style="list-style-type: none"> Understanding of different types of color Double coating 	01 hours Theory 03 hours Practical Total: 04 hours	<ul style="list-style-type: none"> Brushes Sand paper Paint Paint kettle and paint can Pigment/color Thinner Kerosene oil Plastic tape Ladder Polythene Sheet Knives PPEs 	Class Room and workplace



Module 10 – 0610I&C01 USE of computer applications

Objective:

After completing this module, the learner will be able to understand the skills and knowledge required to perform Painting of wooden doors and windows.

Duration:	Total hours	40	Practical	30	Theory	10
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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
LU1. Install and remove software	<ul style="list-style-type: none"> Select software to be installed Follow installation instructions Delete unrequired software 	<ul style="list-style-type: none"> Basic knowledge of system usage Different types of software's Installation and formatting instructions <p>Practice:</p> <ul style="list-style-type: none"> Install MS Office 	04 hours Theory 09 hours Practical Total: 13 hours	<ul style="list-style-type: none"> Related software DVD PC with all accessories Internet access PPEs 	Class Room and workplace
LU2. Demonstrate Basic IT Skills	<ul style="list-style-type: none"> Type text and use major commands such as printing, editing, creating tables and graphs etc. 	<ul style="list-style-type: none"> Features and functions of computer Knowledge about printing, editing, creating tables 	05 hours Theory 09 hours	<ul style="list-style-type: none"> Related software DVD PC with all 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	<ul style="list-style-type: none"> Generate office reports using appropriate computer applications Use internet for sending/receiving emails and connecting through social 	<ul style="list-style-type: none"> Knowledge of emails, office reports etc 	Practical Total: 14 hours	accessories <ul style="list-style-type: none"> Internet access PPEs 	
LU3. Use Operating System	<ul style="list-style-type: none"> Identify input & output peripherals. Explore desktop environment. Create and open folders/directories. Copy files, folder/directories to different location (Hard drive, external storage, cloud) Move files, folder/directories to different location (Hard drive, external storage, cloud) 	<ul style="list-style-type: none"> Explain the purpose, use and functions of applications <p>Practice:</p> <ul style="list-style-type: none"> Copy a given file and paste it on another folder Create a folder and move some files in this folder 	04 hours Theory 09 hours Practical Total: 13 hours	<ul style="list-style-type: none"> Related software DVD PC with all accessories Internet access PPEs 	Class Room and workplace



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Competency Units	Learning Outcomes	Learning Elements	Duration	Materials (Tools & Equipment) Required	Learning Place
	<ul style="list-style-type: none"> Rename files and directories/folder Search files / folder/directories against various search criterion (File name, date, text etc.) 				