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Facilitator Guide



Sector
Infrastructure Equipment

Sub-Sector
Equipment Operations

Occupation
Operator

Reference ID: IES/Q0117, Version 1.0
NSQF Level: 3

Junior Batching Plant Operator



Shri Narendra Modi
Prime Minister of India

“ Skilling is building a better India.
If we have to move India towards
development then Skill Development
should be our mission. ”



Acknowledgements

We thank following organisations for contributing in different ways in developing this facilitator guide book.



About this Guide

With the renewed focus on infrastructure projects, the demand for construction equipment is going up. The batching plant market will see an increased demand which in turn will lead to a more significant number of skilled operators being needed to operate these plant. This demand, in turn leads to the need for trainers.

This facilitator guide book has been designed to enable the facilitator to train participants for operations and maintenance of batching plant as Qualification Pack (QP). Each National Occupational Standards (NOS) is covered under separate unit(s).

The book elaborates how facilitators interact with the participants and train them by understanding their needs and explaining all the fundamental concepts about the job roles. Also, it helps the facilitator to complete all the topics in time.

Key learning objectives for the each NOS is listed at the beginning of each Unit(s).

The symbols used in this book are given below.

Symbols Used



Steps



Time



Tips



Notes



Objectives



Do



Ask



Explain



Elaborate



Field Visit



Practical



Lab



Demonstrate



Exercise



Team Activity



Facilitation Notes



Learning Outcomes



Say



Resources



Activity



Summary



Role Play



Example

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1. Introduction

Unit 1.1 - General Guidelines for Trainer

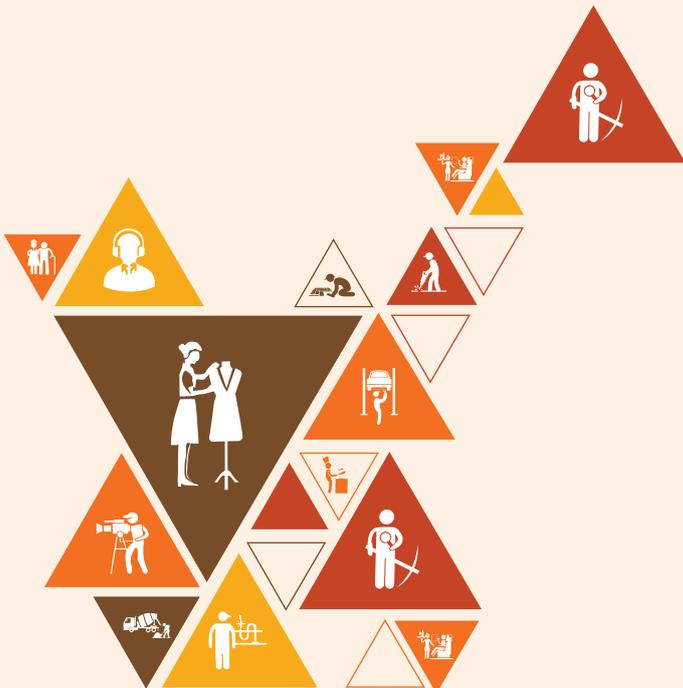
Unit 1.2 - Icebreaker

Unit 1.3 - About the Programme

Unit 1.4 - About the Product

Unit 1.5 - About the Individual Parts of Batching Plant

Unit 1.6 - Ancillary Equipment



Key Learning Outcomes

At the end of this programme, you will be able to facilitate students to:

1. Know each other and build rapport with fellow participants and the trainer.
2. Express their expectations and takeaways at the end of course.
3. Understand the batching plant process.
4. Understand the roles and responsibilities of the junior batching plant operator.
5. Assist in performing pre-ops checks on a batching plant.
6. Assist in operating a batching plant.
7. Assist in regular maintenance of batching plant.
8. Perform health & safety measures.
9. Acquire and improve communication skills.
10. Acquire and improve employability & entrepreneurship skills.

Resources to be Used

- Whiteboard and marker
- Participant handbook
- Classroom with audio-video system
- Manufacturers O and M video & manuals
- Safety video
- Firefighting equipment
- First aid box and charts
- Scaled model of batching plant for theory sessions
- PPE equipment : Helmet, gloves, harness, earplugs, goggles, mask
- Live batching plant at nearby project site for practical sessions

Timeline

Total time needed for the programme: 166 hours

Theory: 45:00 hours

Practical: 105:00 hours

Assessment: 16:00 hours

UNIT 1.1 : General Guidelines for Trainer

General Guidelines

- Trainer must have a clear understanding of what participants expect from the programme.
- The trainer must have a thorough knowledge of the contents of the participant handbook, and be prepared to answer questions about it.
- As a trainer, make sure that all arrangements are made for the programme.
- In case the query can be turned to an assignment to the class, do so. The trainer can also work with the participants on the assignment.
- Invite discussions from the participants.
- Ask a participant to write all the points on the whiteboard.
- Build the sessions from the answers provided by the class.

1.1.1 Sample Lesson Plan

Below table shows a sample lesson plan to build a similar lesson plan for entire course and within each module and unit wise with timing split up.

Section: Ice Breaker					
Chapter / Topic: Introduction of participants					
Attention Grabber:					
Time Duration	Topic	Room set-up	Facilitation Method	Resources Required	Remarks
30 Minutes	Introduce yourself (facilitator)	Tables and chairs in horseshoe shape	Ask each participant to introduce themselves (place, hobbies, dreams etc...)	Nil	
Closing activity:					
Homework:					

UNIT 1.2 : Icebreaker

Unit Objectives

At the end of this unit, you will be able to facilitate students to:

- Introduce themselves to each other.
- Build rapport between students and with the trainer.
- Create a pleasant learning environment.

Resources to be Used

- Whiteboard
- Marker
- Pen
- Notebook

Activity

- Make the students stand in a circle, close enough to the person each side of them that they can pass the parcel quickly.
- Say 'Stop' when the students least expect it. The person who has the parcel at that time should get out.
- Those who get out should introduce themselves by providing their names and brief additional information such as favourite hobbies, likes, dislikes etc.
- The winner of the game should stand and introduce himself/herself at the end of the game.

Say

- Thank the students for their participation.

UNIT 1.3 : About the Programme

Unit Objectives

At the end of this unit, you will be able to facilitate students to:

- Understand the roles and responsibilities of the junior batching plant operator.
- Understand the history of batching plant.
- Acquire an overview of the programme and training curriculum.

Ask

- Students about the expectations from the course.

Explain

The structure of the programme using the following core NOS's:

- Assist in carrying out pre-operation checks on a batching plant.
- Assist in operating a batching plant.
- Assist in carrying out regular maintenance of a batching plant.
- Comply with worksite health and safety guidelines.

Do

- Give students a brief overview of the programme.
- Ask the class to complete the expectation mapping given on page no. 4 of participant handbook.
- Give the class 10 minutes to complete the activity.

Notes for Facilitation



- Obtain the expectations of the course from all the students.
- Brief the students about the course, the content of the programme and curriculum.
- Share the course timetable and schedule of the activities.
- Explain administrator do's and don'ts for the students like discipline, timings, etc.

UNIT 1.4 : About the Product

Unit Objectives

At the end of this unit, you will be able to facilitate students to:

- Understand the history of batching plant.
- Understand the basic features and technical specifications of batching plant.
- Identify various parts of batching plant and their use.
- Understand different types of batching plant and their use and function.
- Learn about weighing systems storage systems, water systems, conveying system, admix systems, their use and function.
- Identify different equipment in batching plant such as conveyors, dust collector bins, weigh hoppers, water storage tanks, admix system, pumps, mixers, components, and functions.
- Learn about equipment operating systems like hydraulics, electrical systems, lubricating systems, pneumatic systems, mechanical systems and fuel systems.
- Understand significance and methods of different lubricating parts of batching plant.
- Understand the safety features of batching plant.

Resources to be Used

- Whiteboard and marker
- Participant handbook
- Classroom with audio-video system
- Manufacturers O and M video & manuals
- Safety video
- Scaled model of batching plant for theory sessions
- PPE equipment : Helmet, gloves, harness, earplugs, goggles, mask
- Live batching plant at nearby project site for practical sessions

Activity

- Using the above resources, the trainer should introduce the batching plant to the students.

UNIT 1.4.1: Brief History of Concrete Batching Plant

Ask

- What is a concrete batching plant?
- Has anybody visited a batching plant?

Say

Before the invention of the concrete mixer, concrete was mixed manually by construction workers. The first concrete mixing machines were self-loading. In the 20th century, self-loaded mixers were driven by steam to increase their productivity. Due to increased productivity new better concrete mixers were developed.

- 1913s. First steam powered concrete mixer mixing were using wheelbarrows with the capacity of 11 cubic feet.
- 1920s. Tested elimination of wheelbarrows and extensive usage of conveyor belts lead to the reduction of labour and use of volumetric batching hoppers.
- 1929s: Volumetric batching hoppers replaced by weight batchers which proved to be more accurate in proportioning the materials.
- 1930s: Larger dump trucks able to carry up to four batches were inevitable and the plant manufacturers followed right along by building plants with multiple aggregate and cement batchers.
- 1950s: Plants were being used with four sets of batchers that could simultaneously load a four-batch dump truck in a single drop.

Concrete batching plants are manufactured by many companies in India and globally.

UNIT 1.4.2: Brief Description

Explain



A concrete plant, also known batching plant or a concrete batching plant, is a machine which produces concrete by combining various materials such as water, air, admixtures, sand, aggregate (rocks, gravel, etc.), fly ash, silica fume, slag and cement.

There are two main types of concrete plants: Dry mix plants and Wet mix plants, and also plants that contain both a transit mix side and a central mix side while utilising common material storage points.

A concrete plant can have a variety of parts and accessories, including mixers (either tilt drum or horizontal or in some cases both), cement batchers, aggregate batchers, conveyors, radial stackers, aggregate bins, cement bins, heaters, chillers, cement silos, batch plant controls, and dust collectors.

The heart of the concrete batching plant is the mixer, and there are many types of mixers such as tilt drum, pan, planetary, single shaft and twin shaft mixer. The twin shaft mixer can ensure an even mixture of concrete through the use of high horsepower motors, while the tilt mixer offers a consistent mix with much less maintenance labor and cost. In North America, the predominant central mixer type is a tilt drum style, while in Europe a twin shaft is more prevalent.

A pan or planetary mixer is more common at a precast plant. Aggregate bins have 2 to 6 compartments for storage of various sand and aggregate (rocks, gravel, etc.) sizes, while cement silos are typically one or two compartments, but at times up to 4 compartments in a single silo. Conveyors are typically between 24-48 inches wide and carry aggregate from the ground hopper to the aggregate bin, as well as from the aggregate batcher to the charging chute.

Typical plants are used for ready mix, civil infrastructure, and precast applications.

Ask



- What are the different types of batching plant?
- What are the parts and accessories of batching plant?
- What are the types of concrete mixers?

UNIT 1.4.2.1: General Concrete Batching Plant Specifications

Say



Let us now discuss the general concrete batching plant specifications.

Explain



The technical specifications of a batching plant.

Aggregate Storage Compartment batcher with top attachment Number of compartments	40 Cu. M 4
Cement Storage (In Silos)	50 to 100 tons (40 to 80 Cu. M)
Admixture Storage (in 2 barrels)	12 Liters x 2 Barrels
Batching (for compacted concrete batches)	1Cu.M
Mixer Unit: Turbo Mixer	T 1000 M
Dry Filling Output: (per batch up to)	1450Ltrs
Compacted fresh concrete output (per batch)	1000Ltrs
Compact concrete capacity: (with 30s mixing time in running operation)	55 Cu. M/h
Concrete discharge height: For truck mixers For trucks	3900mm 2800mm
Operating Voltage:	415V 50Hz
Power Connection: Connected Load	125kVA
Water Connection: Nominal width	21/2"=DN65
Water volume flow:	45Cu.M/h
Water operating pressure:	5 to 6 bar

Table 1.4.2.1: General Concrete Batching Plant Specifications

Activity



- Ask the participants to list out the specifications of a Batching Plant.

UNIT 1.4.3: General Concrete Batching Plant Schematic

Explain

The layout of batching plant using the below diagram.

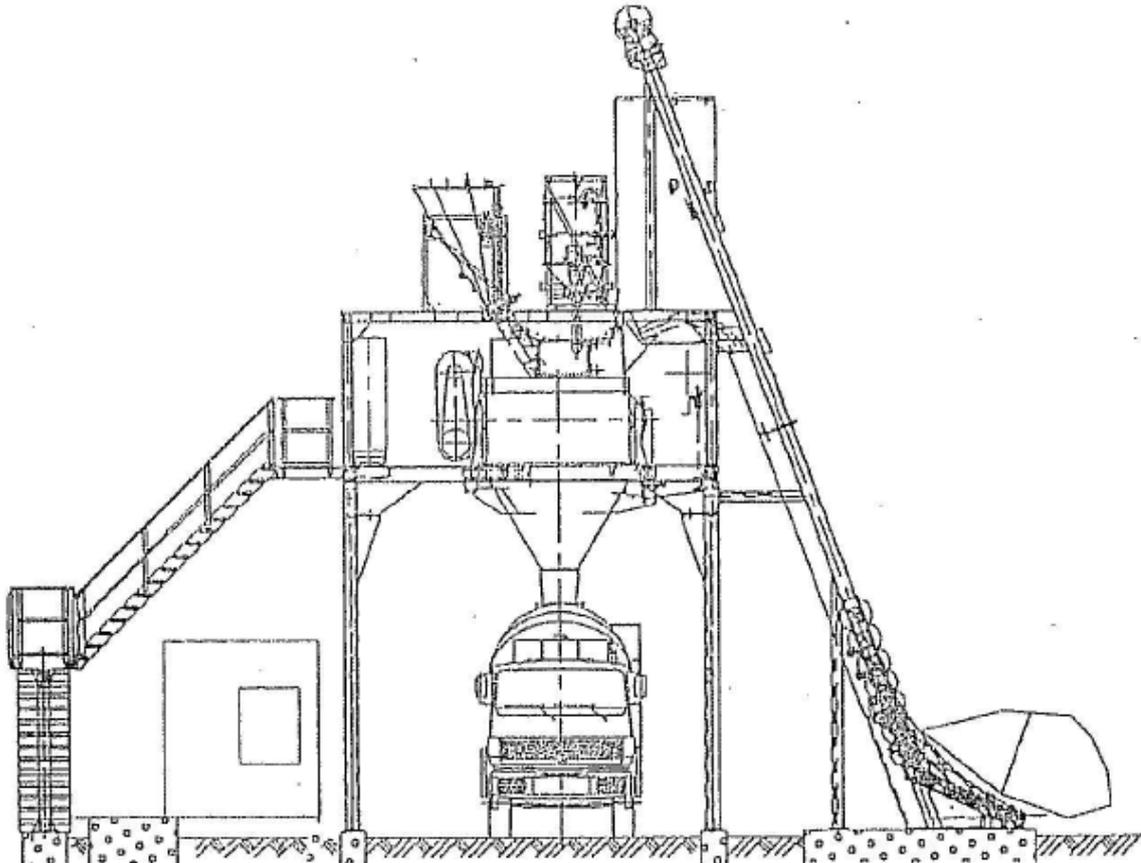


Fig 1.4.3 Schematic diagram of a Concrete Batching Plant

Notes for Facilitation

- Show the video demonstration related to the components of batching plant for better understanding.

UNIT 1.4.4: Major Parts Nomenclature

Ask

- What are the main parts of batching plant?

Explain

The main parts of batching plant in detail.

1. Cement silo
2. Screw conveyor
3. Concrete mixer
4. Compressor
5. Aggregate weighing bins
6. Water tank

Notes for Facilitation

- Refer to figure no. 1.2.4 on page no. 9 in the participant handbook.

Do

- Make the participants identify and list the main parts of the batching plant.

UNIT 1.4.5: Plant Description

Say

Let us now discuss the batching plant description.

Explain

The plant is intended for the discharge of fresh concrete into truck mixers or onto trucks. It consists of components pre-assembled in our works, which can be mounted onto local foundations without pit.

The aggregates are stored in a compartment batcher with attachment. It is directly filled with front-end loaders after a ramp has been filled up locally from both sides. Batching is done via pneumatically actuated flaps directly into the skip waiting for filling the position and resting in the weighing device at the same time.

A vibrator increases the flow-ability of the sand. The aggregates weighed for one batch are lifted to the mixer via an inclined track with brake gear motor via an eccentric step drum. The mixing water is weighed electrically and pumped into the mixer with a slurry water pump via spraying nozzles.

A compressed air plant with electromagnetically controlled valves is mounted in the plant. The plant is equipped with a fully automatic control system. The electric control system is mounted either in a control container near to the plant or in a room provided locally. Apart from the operation of the front-end loader, the plant is laid for one-man operation. The upper part of the plant can be approached via an access ladder.

Ask

- Where are the aggregates stored in the batching plant?
- What is the use of the vibrator in the process of concrete mixing?

Notes for Facilitation

- Show the video of batching plant process to make them understand the topic in a better way.

UNIT 1.4.6: Plant Delivery

Say

Batching plants can be portable, stationary, or semi-portable. Certain batch plant designs may be considered mobile, but not necessarily easy to set up and tear down. The mobile batch plant, also known as a portable concrete plant is a very productive, reliable and cost-effective piece of equipment to produce batches of concrete. It allows the user to batch concrete at most any location, then move to another location and batch concrete. Portable plants are the best choice for temporary site projects.

Explain

The plant will be delivered to the erection site. Based on the service providers anchoring plan, the installation will be done as the installation manual provided by the service provider. Junior batching plant operator has to assist the installation as per the instructions from the senior operator and the supervisor.

Notes for Facilitation

- Refer to fig no. 1.2.6 in the participant handbook and explain how the batching plant is moved from one place to another for delivery.

Do

- Show participants O & M videos for setting up a batching plant.
- Give demo to participants on how to set up a batching plant.

UNIT 1.4.7: Checklist for Junior Operator Batching Plant

Say

- A checklist is a type of informational job used to reduce failure by compensating for potential limits of human memory and attention. It helps to ensure consistency and completeness in carrying out a task.

Explain

These steps to be followed before the erection of a plant.

Step 1- Drain compressed air hoses by removing the hoses.

Step 2- Drain admixture lines by removing the hoses.

Step 3- Dry clean the cement silos and cement lines (Do not use water)

Step 4- Drain compressed air tank and air hoses by removing them from the connections. Blow all air hoses with air.

Step 5- Check if the skip is empty and clean.

Step 6- Check if the mixer is empty and clean.

Step 7- Check if the cement weighing container is completely empty.

Step 8- Empty and clean aggregate compartments with different tools and hot water.

Step 9- Flush admixture lines with water and drain residual water in the lines by removing the hoses from the connections.

Ask

- What is a checklist?
- What are the initial checks to be done before the erection of a batching plant?

Do

- Show manufacturers O & M videos.
- Demonstrate how to carry out checks before the erection of a batching plant.

UNIT 1.4.8: Plant Erection Steps

Say

Let us now discuss the plant erection steps.

Explain

The steps involved in Plant erection:

Step 1- Drive plant to the erection site and stop.(Fig 1.2.8.1 refer page no 12 on PH). Place two jacks below the plant's upper part and lift (Fig 1.2.8.2 refer Page no 12 on PH).

Step 2- Lower support feet from the lower part and screw on the plant (Fig 1.2.8.3 refer Page no 12 on PH) then put the plates underneath. Remove the vehicle from the plant (Fig 1.2.8.4 refer Page no 12 on PH).

Step 3- Support the rear axle. Loosen and remove rear axle connections [1 plug, 2 valves]. Remove rear axle (Fig-1.2.8.5 refer Page no 13 on PH).

Step 4- Lift plant on the front again with the two jacks until the plant rests horizontally on the support feet. Then screw on support feet on the foundations with the plates (Fig 1.2.8.6 refer Page no 13 on PH).

Step 5- Fix crane on the fifth wheel part and tension rope, then screw off fifth wheel part from the plant. Loosen vehicle connections [1plug, 2 valves]. Mount platform and railing (Fig-1.2.8.7 refer Page no 13 on PH).

Step 6- Connect crane on the upper part of the top front and tension rope. Loosen vehicle connections. Mount both jacks on the rear below the support, loosen screws from the support and lower support so that the support foot points to the top (Fig-1.2.8.8 refer Page no 13 on PH).

Step 7- Slew upper part with the crane to the top and screw on support to the foundations (Fig-1.2.8.9 refer Page no 14 on PH).

Step 8- Remove jacks. Mount pressure bar of the cement weighs (Fig-1.2.8.10 refer Page no 14 on PH).

Step 9- Connect water lines between upper and lower part. Screw on cabin stairs (Fig-1.2.8.11 refer Page no 14 on PH).

Step 10- Pre-assemble ramp back wall with the lateral walls completely on even surface, right and left side (Fig-1.2.8.12 refer Page no 14 on PH).

Notes for Facilitation

- Form two teams and let them discuss plant erection steps.

UNIT 1.4.9: Types of Screw Conveyor

Say

- A screw conveyor is a mechanism that uses a rotating helical screw blade, usually within a tube, to move liquid or granular materials. Screw conveyors in modern industry are often used horizontally or at a slight incline as an efficient way to move semi-solid materials.

Explain

For plant equipped with vertical conveyor screws, the electric and pneumatic quick connections of the cement to the plant are disconnected for transport, the cement outlet is turned by 112.5° and the silos are laid onto the transporting vehicle.

For the plants equipped with inclined conveyor screw, the electric and pneumatic quick connections (or the fixed connections) will be dismantled on both ends of the inclined screw conveyor. After that, the conveyor will be dismantled and laid on the transporting vehicle together with the silos.

As soon as the compartment batcher has been dismantled, the upper part will be sleeved down and connected to the lower part via the upper part support from a transport unit. The electric and pneumatic connections between upper and lower part are thus not loosened. This transport unit can be transported as semi-trailer after attaching an appropriate chassis.

Ask

- What is a screw conveyor?
- What are the advantages of a screw conveyor?

UNIT 1.5: About Individual Parts of Batching Plant

Unit Objectives

At the end of this unit, you will be able to facilitate students to:

- Understand the pneumatic system.
- Understand the feeder equipment and aggregate weigh.
- Know about the cement scale.
- Understand the batching gates.
- Understand the water weigh/water batching.
- Know about the discharge hopper and chute.
- Understand the compartment batcher attachment.

UNIT 1.5.1: Pneumatic System

Say



Let us now discuss the pneumatic system of batching plant.

Explain



The pneumatic system serves the pneumatic control of the aggregate batching device and the cement weighing container discharge. It is also employed for blowing the water and admixture lines with the valve and hose connections.

The pneumatic system consists of

- Aggregate Batching Device
- One-Step Compressor
- Compressed Air Tank
- Check Valves
- Pressure Reducing Valve
- Air Filter
- Drain Actuation
- Two-Compressed Air Oilers
- Anti-freezer
- Electromagnetic Valves
- Oil Bath Air Filter
- Crankcase
- Cement Weighing Container Discharge
- Admixture Lines and Valves
- Drain Valve
- Quick Ventilation Valves

Refer participant handbook page no. 16 for pneumatic system parts.

Ask



- What is the purpose of the pneumatic system in a batching plant?
- To list the different parts of the pneumatic system.

UNIT 1.5.2: Feeder Equipment and Aggregate Weigh

Say

- A feeder is a piece of material handling equipment used to regulate the flow of bulk material from a bin or hopper. A feeder is essentially a conveyor used for short distances where a constant rate of dispersal is required.

Explain

The feeder skip serves to fill the compulsory mixer with aggregates. Precise batching is carried out by means of mechanical aggregate weigh. Safety functions are provided by the limit switches waiting position, discharge position, emergency cut-out position, slack rope circuit and batching release. The eccentric step drum provides for smooth and impact-free starting and stopping of the skip. Accident prevention for persons working on its track underneath and in the batching table area is provided by the limit switch and of the lockable maintenance doors and by the socket pin. Run the skip over the socket pin hole and secure the socket pin.

Technical Data M1;

- Permissible load: 25kN
- Rope Diameter: 12mm
- Power Unit: 3m acc. To DIN 1520

UNIT 1.5.3: Cement Scale

Explain



The cement weigh is an electronic weigh. The measured values are directly transmitted from the load cells into the operator's stand or in the control relay.

The discharge flap is operated by a pneumatic cylinder. The weighing container is equipped with a vibrator to enable better cement flow from the weighing container. The limit is meant to check in the operator's stand "**flap open**" and "**flap closed**"

Ask



- What is the purpose of cement weigh?
- How is discharge flap operated?

Notes for Facilitation



- Form two teams and let them discuss the cement scale.

UNIT 1.5.4: Batching Gates

Explain

The batching flaps are meant for the batching of aggregates into the skip by weight. The batching flaps are actuated by the compressed air cylinders. The “closed” position of the flaps is monitored by limit switches.

Ask

- What is the purpose of batching flaps?

Notes for Facilitation

- Form two teams and let them discuss the batching gates.

UNIT 1.5.5: Water Weigh/Water Batching

Say

Let us now discuss the water weigh or water batching.

Explain

Depending on the customer's requirement, water batching device can be offered in two different executions.

- a) With volumetric batching
- b) With batching via water weigh

The water weighing container is filled with a clear water feed line via a pneumatically operated check valve for coarse batching. Fine water batching is controlled either by the solenoid or depending on the execution by the pneumatic valve. Water is fed to the mixer either directly via a downpipe or if customer request via a pump. The plant is equipped with two mixers; two downpipes will be mounted on the water weighs. If a pump is installed, the pump will distribute the water to the individual mixers.

The working pressure should be at least 4 bars, which is 17l/s for a volume flow of 60m³/h, via quick-acting closure a water hose can be connected on the line for cleaning, works on the plant.

Ask

- What is the difference between two different executions of water batching device?
- What is the minimum working pressure for water weigh?

Notes for Facilitation

- Make the participants discuss the water batching process.
- Refer to fig no. 1.3.5 in the participant handbook and explain about water weigh.

UNIT 1.5.6: Discharge Hopper and Chute

Explain



- The discharge hopper and chute location and their function in the batching plant.
- The discharge hopper is located underneath the mixer discharge flap.
- For discharge of fresh concrete onto truck mixers, the discharge height is 3.9m.
- For discharge of fresh concrete onto trucks or dumpers, the discharge height is 3.0m.

Ask



- Where is discharge hopper located in batching plant?
- What is the discharge height of fresh concrete onto the truck mixers?

Notes for Facilitation



- Refer to figure no. 1.3.6 in the participant handbook for above topics.
- Make the participants to discuss in detail the discharge hopper.

UNIT 1.5.7: Compartment Batcher Attachment

Say

Let us now discuss the compartment batcher attachment.

Explain

The compartment batcher attachment a special execution is mounted on the upper part and in itself with socket pins.

It increases the aggregate stock volume to $40\text{m}^3=4 \times 10\text{m}^3$ in each compartment.

For transport of the plant the longitudinal separation wall is laid on the lower part and first the left and then the right outer wall folded on the lower part, the front edge of the longitudinal wall should be in alignment with the joint axis upper-lower part.

The two transverse walls, as well as front and back wall, are transported separately.

Grease joints and bolts during each dismounting and mounting.

The parts involved in compartment batcher attachment are as follows;

- Batcher Attachment
- Upper Part
- Transverse Walls
- Separation Wall

Ask

- What is compartment batcher attachment?
- What are the parts of compartment batcher attachment?

Notes for Facilitation

- Form two teams and let them discuss different types of compartment batcher attachment.

UNIT 1.6: Ancillary Equipment

Unit Objectives

At the end of this unit, you will be able to facilitate students to:

- Understand the cement silos & screw conveyor.
- Understand the vibrator fitted rocker.
- Understand the admixture batching device.
- Understand the humidity measuring probe.
- Understand the cement loosening device.

UNIT 1.6.1: Cement Silos & Screw Conveyor

Say



Let us now discuss the cement silos & screw conveyor.

Explain



For cement storage corresponding cement silos can be attached to the concrete batch mixing plant. Up to two cement silos can be attached in case of the vertical screw conveyor and up to four cement silos can be attached to inclined or horizontal screw conveyor. The silo will be filled with a fill line dn 80. The outgoing air is cleaned in the filter. The dimension of the filter is (8m² or 14m²). For safety reasons, an explosion flap is provided on the silo roof and an inspection hole in the silo cone. Discharge is effected with a breaking cone in the silo cone and a gate first in the horizontal feeder screw and then into the vertical tubular screw to the screw outlet.

An access ladder to the roof with backrest and a maintenance ladder with backrest to the gear motor are located on the right-hand silo. On the left-hand silo, a maintenance ladder with backrest and a transition with railing to the first silo are installed only. Both silos are equipped with a roof railing. The filling level of the silo is checked by the probe.

The silo can be transported as a semi-trailer with a special chassis.

Dismount the following parts for transport;

1. Bearing of the feeder screw
2. Maintenance ladder
3. Screw outlet of the tubular screw conveyor by 112.5° to the silo body by turning the upper part of the screw on the flange. Install transport lock between cover and vibrator plate of the de-aeration filter.

The major parts of cement silos are as follows;

- Cement Silos
- Tubular Screw Conveyers
- Fill Line DN 80
- De-aeration Filter
- Explosion Flap
- Inspection Hole
- Batch Gate
- Horizontal Feeder Screw
- Screw Outlet
- Access Ladder
- Maintenance Ladder
- Back Rest & Transition
- Roof Railing
- Flange
- Probe

Ask

- List the parts which need to be dismantled while transporting the cement silos.
- What are the major parts of cement silos?

Notes for Facilitation

- Make the participants discuss the cement silos.
- Refer to page no. 21 & 22 in the participant handbook and explain the cement silos.

UNIT 1.6.2: Vibrator Fitted Rocker

Say 

Let us now discuss the vibrator fitted rocker.

Explain 

The vibrator fitted rocker and its function and its advantages in batching plant.

- Mounting a vibrator into the sandbox increases the flow-ability of the sand.
- Actuation is done from the operator's stand if required.

Ask 

- What is the use of vibrator fitted rocker?

Notes for Facilitation 

- Refer to page no. 23 in the participant handbook and explain the vibrator fitted rocker.
- Make the participants discuss the vibrator fitted rocker.

UNIT 1.6.3: Admixture Batching Device

Say



Let us now discuss the admixture batching device.

Explain



The admixture batching device and its parts in details.

- Batching Pumps
- Non-Return Valve
- Batching Cylinder
- Discharge Pump
- Water Cartridge
- Solenoid Valve
- Shut-off valve

Ask



- What are the parts of admixture batching device?

Notes for Facilitation



- Make the participants to discuss the admixture batching device.
- Refer to page no. 24 in the participant handbook and explain the parts of the admixture batching device.

UNIT 1.6.4: Humidity Measuring Probe

Say



Let us now discuss the humidity measuring probe.

Explain



The moisture measuring probe is bolted to the front of the batching flap. A cleaning bar is located between the probe fingers, which is fixed to the batching flap and prevents the formation of sand bridges.

Ask



- What is the purpose of probe fingers?

Notes for Facilitation



- Refer to page no. 25 in the participant handbook and explain the humidity measuring probe.

UNIT 1.6.5: Cement Loosening Device

Say



Let us now discuss the cement loosening device.

Explain



To prevent the formation of cement bridges above the silo outlet, the plant can be equipped with a pneumatic air-loosening device, which is actuated from the operator's stand. The air-loosening device is connected to the electromagnetic valve in the upper part.

Ask



- What is the purpose of air loosening device?

Notes for Facilitation



- Refer to page no. 26 in the participant handbook for the above topic.

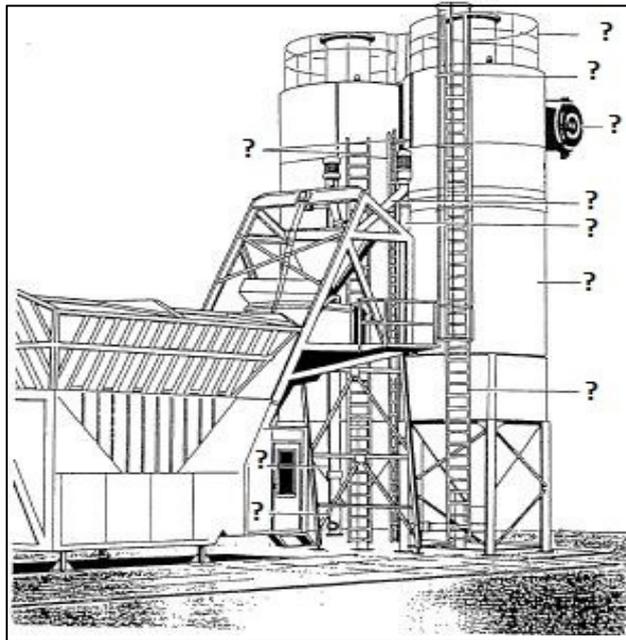
Activity

- Complete the exercise given on page no. 27 of participant handbook.
- Give the class ten minutes to complete the activity.

Exercise

Briefly answer the following questions.

1. Label the different parts of batching plant in the following figure.



2. List all the ancillary devices of a batching plant.

3. List out the major parts in a pneumatic system of batching plant.

4. List out the steps involved in a batching plant erection.



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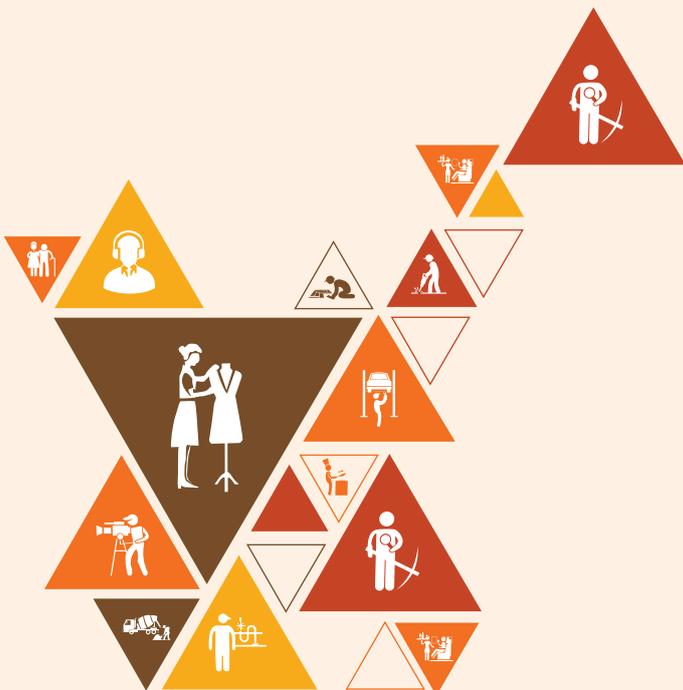
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2. Assist in Carrying out Pre-operation Checks on Batching Plant

Unit 2.1 – External Plant Components & Attachments

Unit 2.2 – Inside the Batching Compartment



IES/N0128

Key Learning Outcomes

At the end of this module, you will be able to facilitate students to:

1. Identify location and process for storage and disposal of waste.
2. Understand different types of batching plant, features and performance.
3. Identify components and sections of batching plant and its functioning.
4. Assist in equipment operating systems:-
 - Hydraulic, electrical, pneumatic.
 - Weighing, storage, conveying, admix.
5. Identify various controls, levers, switches and instrument panel & fuse box.
6. Learn and understand method of greasing and lubrication.
7. Read & understand general instructions/guidelines related to equipment & worksite operations.
8. Write and record any incidents & deviations on the prescribed formats.
9. Orally communicate information & instructions to co-workers in a clear and concise manner.
10. Examine all parts, components and sections of the plant for damage and leakages.
11. Assist in checking all fluid levels in engine, hydraulic & water systems and suitably top up wherever necessary.
11. Check all hoppers and doors for cleanliness and smooth functioning.
12. Remove cement and concrete build-up in the mixer and clean.
13. Inspect all greasing points and ensure proper lubrication is done.

Resources to be Used

- Whiteboard and marker
- Participant handbook
- Class room with audio-video system
- Manufacturers O and M video & manuals
- Safety video
- First aid kit
- Scaled model of batching plant for theory sessions
- PPE equipment : Helmet, gloves, harness, earplugs, goggles, mask
- Live batching plant at nearby project site for practical sessions

Timeline

Total time needed for the programme : 42 hours

Theory : 12:00 hours

Practical : 30:00 hours

UNIT 2.1: External Plant Components & Attachments

Unit Objectives

At the end of this unit, you will be able to facilitate students to:

- Check the concrete batching plant for leakages and breakdowns.
- Visually inspect various parts of the concrete batching plant.

UNIT 2.1.1: Check for Cleanliness

Say



Let us now discuss about the cleanliness at worksite.

Explain



The steps to be followed to keep the batching plant clean are as follows;

Step 1– Visually inspect the body components for cracks and bearing wear.

Step 2–Tighten the wheel nuts firmly on the ground as per the instructions from the operator.

Step 3–Assist in checking that oil levels of engine transmission, radiator coolant and brake are as per instructions from the operator.

Step 4–Assist in checking hydraulic oil levels as per instructions from the operator.

Step 5–Check water system for leaks and clean water pump filter as per instructions from the operator.

Step 6– Lubricate all the moving joints as per instructions from the operator/ supervisor.

Step 7– Ensure that the worksite area is clear of all personnel and equipment before moving.

Ask



- What are the steps involved in cleaning a batching plant?

Do



- Show manufacturers O & M videos (Cleanliness).
- Explain participants about the checks to be done before cleaning.

UNIT 2.1.2: Do a Concrete Batching Plant Inspection

Say



Let us now discuss the concrete batching plant inspection.

Explain



Basic steps to be followed while inspecting a concrete batching plant are as follows;

Step 1–Inspect the plant generally for damaged and missing parts.

Step 2–Make sure that the attachment is secure and in good condition.

Step 3–Make sure that all pivot pins are secured correctly in place.

Step 4–Inspect the cement silos for cracks and damage and water/cement bridges.

Step 5–Check for oil, fuel and coolant leakages underneath the components.

Step 6–Check for cut rubber and penetration by sharp objects.

Step 7–Make sure that all of the access panels are closed and secure.

Step 8–Make sure that all of the filler caps are installed correctly.

Ask



- Why inspection of batching plant before the operation is necessary?
- What are the steps to be followed while inspecting the batching plant?

Do



- Show manufacturers O & M videos (Inspection).
- Explain participants the importance of concrete batching plant Inspection.

UNIT 2.2: Inside the Batching Components

Unit Objectives

At the end of this unit, you will be able to facilitate students to:

- Identify parts of mixer components.
- Check the fuel and coolant levels.

UNIT 2.2.1: Operating Environment

Say

Let us discuss the operating batching plant in different environmental conditions.

Explain

The working environments of batching plant in different scenarios:

- Operating at low temperatures.
- Operating at high temperatures.
- Operating in dusty and sandy areas.

Ask

- How to operate a batching plant at low temperatures?
- How to prevent the sand and dust from entering into the hydraulic system?

Notes for Facilitation

- Refer to participant handbook page no. 36 for the above sections and explain the different operating environment.

UNIT 2.2.2: Pneumatic System Checklists

Say



Let us now discuss the pneumatic system checklists.

Explain



- Mandatory checklists for pneumatic system.
- Maintenance checklists before starting the plant.

Ask



- What are the mandatory checklists for a pneumatic system?

Notes for Facilitation



- Refer to participant handbook Page no. 37 & 38 for the above sections.
- Explain the advantages of maintenance checks before starting the batching plant.

UNIT 2.2.3: Aggregate Feeder Checklists

Say

Let us now discuss the aggregate feeder checklists.

Explain

The mandatory aggregate feeder checklists as listed below:

Note: Point 1 and 2 are in case of power failure, wherein skip can be lowered manually and directed on the operating sign board suitably.

1. Lower the skip very slowly and by fits and starts. Otherwise, the brake will be damaged and the weigh frame with the aggregate weigh will possibly be smashed.
2. As a general principle, the shackle for manual lifting has to be taken off the brake after use.
3. Check daily before starting work, if the skip rope is in order and slack.
4. Free entering of the skip into its final position must be ensured. Check area under the skip and skip track daily.
5. Check if sufficient oil is available in the skip gearbox prior to each startup of the plant.
6. Adjustment of the skip discharge position; limit switch must be adjusted by shifting to make sure that the rear skip roller can drop freely through the recess and the sliding surface of the skip remains at least parallel to the rear wall of the skip.
7. For works within the runway of the skip, the track has to be blocked when the skip is at the top. Raising the skip when the socket pin is inserted causes severe damage on the plant.
8. A defective rope must be replaced. It is fastened with a rope wedge and the rope clamp on the skip drive and on the starting damper.

Ask

- What are the actions need to be taken during the power failure?
- What maintenance checks should be done before starting the work?

Notes for Facilitation

- Refer to participant handbook page no. 39 & 40 for the above topics.

Activity

- Complete the exercise given on the page no. 41 of participant handbook.
- Give the class ten minutes to complete the activity.

Exercise

Briefly answer the following questions.

1. List the steps to inspect concrete batching plant before using it.

2. What precautions need to be taken in high temperatures for batching plant components?

Tips

Following are recommended tips;

- Visit a nearest concrete batching plant site.
- Observe a concrete plant in operation and note down the key points.



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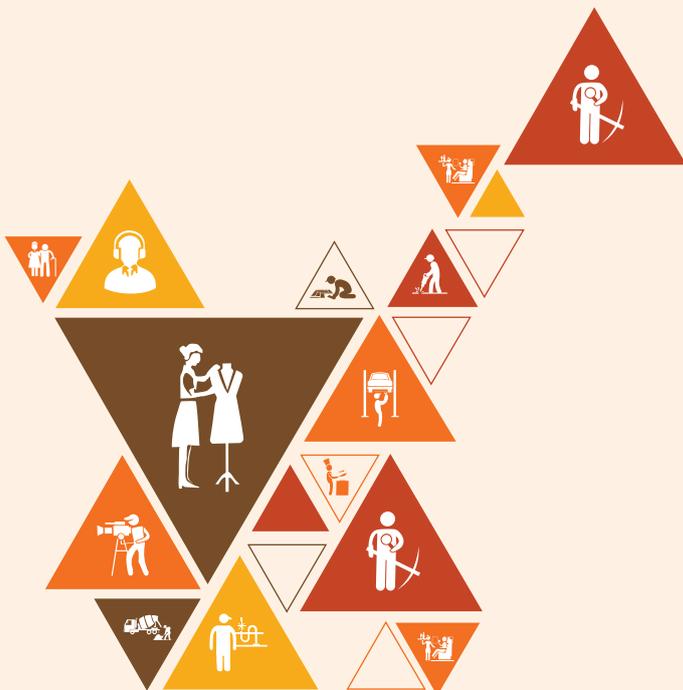


3. Assist in Carrying out Batching Plant Operations

Unit 3.1 – Inspection of Worksite and Safety

Unit 3.2 – Standard Operations

Unit 3.3 – Reporting & Documentation



IES/N0129

Key Learning Outcomes

At the end of this module, you will be able to facilitate students to:

1. Understand procedures and guidelines related to breaking down & maintenance services.
2. Identify the location of tools and equipment and method for the issue and return.
3. Understand about safety policy of the organisation and emergency drills.
4. List out technical specs and features/performance/ output of the batching plant.
5. Identify different types and grades of cement, aggregates and admixture.
6. Operate feeding system into silos.
7. Understand starting procedure, basic operations and monitoring systems.
8. Perform stopping procedure including emergency stop button.
9. Identify and correct usage of necessary tools.
10. Interpret various hand signals, safety & emergency signs at the project site.
11. Use correct terminology while interacting with others at the site.
12. Ensure truck is correctly positioned under the sock.
13. Assist in discharging the batched concrete safely and correctly into the delivery trucks /mixers.
14. Inspect for damages leaks etc. and report/take appropriate action.

Resources to be Used

- Whiteboard and marker
- Participant handbook
- Classroom with audio-video system
- Manufacturers O and M video & manuals
- Safety video
- Scaled model of batching plant for theory sessions
- PPE equipment: Helmet, gloves, harness, earplugs, goggles, mask
- Live batching plant at nearby project site for practical sessions

Timeline

Total time needed for programme : 36 hours

Theory : 11:00 hours

Practical : 25:00 hours

UNIT 3.1: Inspection of Worksite & Safety

Unit Objectives

At the end of this unit, you will be able to facilitate students to:

- Assist concrete batching plant operator in inspecting the worksite for safe operations.
- Understand and interpret the communication symbols used to guide concrete batching plant operator.
- Understand and interpret the symbols used for site safety.

UNIT 3.1.1: Inspection of the Worksite

Say

- Worksite inspections help prevent incidents, injuries and sicknesses. Through a critical examination of the worksite, reviews help to identify and record dangers for corrective action. Health and safety commissions can help to plan, conduct, report and monitor inspections. Regular worksite inspections are an essential part of the overall occupational health and safety programme and management system.

Explain

The main points to be noted for worksite inspection:

- Water, cement, sand and aggregates must be very close to each other and loading and unloading point distance should be covered within 5 to 10 minutes.
- Cement & water should be load in the same place, while cement loading machine can load the water from the water tank.
- Sand, 10 mm and 20 mm – machine should reach the heap without any interruption

Ask

- What are the inspections to be done at the worksite?
- What are the advantages of worksite inspection?

Notes for Facilitation

- Refer to figure no. 3.1.1 in the participant handbook and explain the worksite inspection.
- Form two teams and make them discuss the key checklist of worksite inspections.
- Take participants to any worksite and show them live demo of worksite inspections.
- Show manufacturers O & M videos (worksite inspections).

UNIT 3.1.2: Signals to Guide a Batching Plant Operator

Say

- Hand signals are given by signaler to indicate their intentions to control the batching plant process for a safe movement. Operator must follow the signaler for safe movement and to avoid accidents.

Explain

The hand signals and their functions and cautions to be taken by the signaler;

The signaler should stand in a secure position where he/she can see the load and can be seen clearly by the operator and should face the operator if possible. Each signal should be distinct and clear.

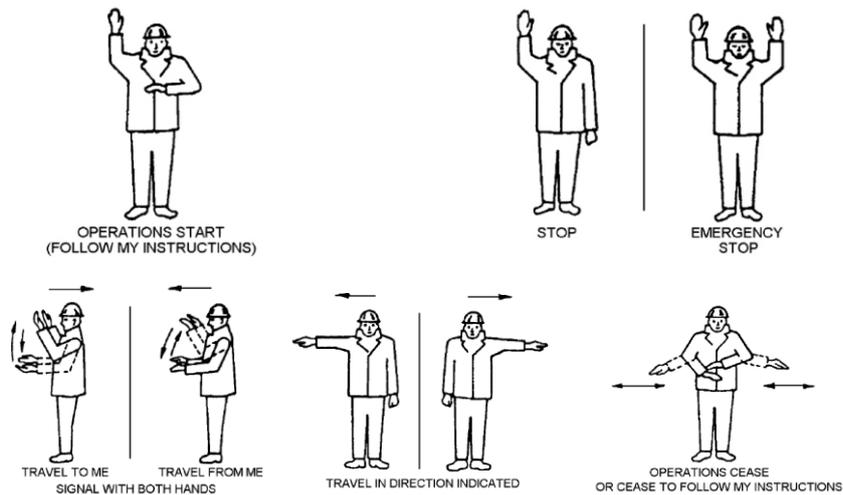


Fig 3.1.2: Hand Signal for Operator

Ask

- How hand signals play an essential role in avoiding accidents at the worksite?

Notes for Facilitation

- Give a demo on hand signals used in operating a batching plant.
- Make participants to practice hand signal in class so that they can understand better.

UNIT 3.1.3: Sample Site Safety Notice

Say

- This guidance is for employers, and others who have responsibility for the control of work sites and premises, or operating equipment requiring verbal and/or non-verbal communications.

Explain

- About the site safety symbols.
- Importance of safety symbols.



Fig 3.1.3: Site Safety Notice

Notes for Facilitation

- Explain how the signs will be helpful at the worksite.
- Show some site safety symbols charts.
- Make participants to discuss the safety symbols and understand them.

UNIT 3.1.4: Safety While Mounting and Dismounting

Say



Let us now discuss the safety while mounting and dismounting.

Explain



The Do's and Don'ts to be followed;

Do's:

- Always use steps and handholds for safe movement within the manufacturing plant.
- Keep three points of contact (both hands and one foot or both feet and one hand) at all times and always face the machine for safe entry or exit.
- Do not use the controls as handholds for entry or exit.
- Never mount or dismount a moving side/closer by of batching plant components.
- Be careful when conditions are wet or slippery.
- Always replace parts with genuine spare parts.
- Crush the hydraulic oil filter and other filters just after the usage, to avoid the reuse of old one.

Don'ts:

- Use hand acceleration for forward and reverse movement of truck or dumper onto/from the batching plant.
- Allow any person with less knowledge about the batching plant controls and working near or to allow operating.
- Use hands to check the leakages.
- Use a paper to inspect any leakage.
- Open radiator cap when the temperature of the engine is hot.
- Use any local hoses for transmission & chamber pressure hose.
- Stop the machine immediately if the transmission hose or chamber hose pipe fails out.
- Inspect anything below or near the chamber or loading arm is at lift position.

Do



- Show manufacturers O & M videos (Mounting and Dismounting).
- Give demo to participants how to maintain the safety while mounting and dismounting the batching plant.

UNIT 3.2: Standard Operations

Unit Objectives

At the end of this unit, you will be able to facilitate students to:

- Know about the water pump operation.
- Follow and interpret correctly various instructions given by the senior operator.
- Understand the procedure for loading concrete aggregates and properly weighing and loading into the mixing chamber.

UNIT 3.2.1: Batching Process

Say

Let us now discuss the batching process.

Explain

The batching process for aggregates.

Checklists for batching process are listed below;

- If sand 0./ .4 does not flow, switch on vibrator.
- Feed skip uniformly, i.e. batch from the flaps situated opposite one another.
- In automatic mode of the plant adjust individual functions via time relays in such a way that skip never or only rarely comes to a stop in waiting position. If skip starts from the waiting position to often, this might lead to thermal overloading of the skip motor and can switch it off unexpectedly by the protective motor switch.
- The indicated compacted concrete capacity is only reached with full utilization of the mixer batch capacity.
- Batches smaller than 1/4 of the mixer's batch capacity should be produced. If the skip is fed with a small amount only, a discharge flap can open by itself during raising. Small charging of the mixer leads to poor mixing of the fresh concrete.
- As the residual flow amounts set manually on the control system or the measuring units remain constant during automatic batching of aggregates, cement, water and admixtures, batching accuracy is diminished with smaller batches.
- The mixing quantity is impaired by the inexact batching of the concrete components and by low mixer fillings.

Ask

- What do you mean by batching process?

Notes for Facilitation

- Show manufacturers O & M videos (Batching plant process).
- Make two teams and let them discuss on the checklist of the batching plant.

UNIT 3.2.2: Commissioning by Operating Personnel

Say

- Commissioning is the process of assuring that all systems and components of a batching plant are designed, installed, tested, operated, and maintained according to the operational requirements of the owner or final client.
- A commissioning process may be applied not only to new projects but also to existing units and systems subject to expansion.
- It is recommended to take the sign-off from owner or final client once the commissioning is completed.
- Prior to commissioning, study carefully the operating instruction of the plant and the related plant components.

Ask

- What is the importance of commissioning?

UNIT 3.2.3: Checks before Starting

Say

- A startup production checks are to prevent workplace accidents and remind process operators and technicians about preventive safety measures that must be taken before operating machinery or a plant.

Explain

The points to be checked before starting:

- Plant in compliance with the requirements of the maintenance sheets.
- Rotational direction of the individual drive motors according to the maintenance sheet.
- Direction of the motion of the individual working parts.
- Function of working parts in manual and automatic mode.
- Free play of the weighing containers for aggregates, cement and possibly water as well as their transmission levers, bearing and joints up to the dial heads.
- Voltage drop at the power supply line in the switch cabinet when mixer motor is switched on with mixer loader to its full capacity not more than 10% of the previously measured voltage or the rated voltage.

Ask

- What are the checks to be done before starting operation?
- What are the advantages of doing checks before starting operation?

Do

- Give demo of checks to be done before starting the operation.
- Form two groups and let them discuss the advantages and disadvantages of doing checks before starting the operation.

UNIT 3.3: Reporting and Documentation

Unit Objectives

At the end of this unit, you will be able to facilitate students to:

- Identify and understand a concrete batching plant pre-use checklist.
- Identify and understand a concrete batching plant worksite inspection checklist.
- Assist operator in filling the report and checklist documents suitably.

UNIT 3.3.1: Pre-use Checklist

Say

- Pre-use checklist is a type of informational work which is used to reduce failure. It helps to ensure consistency and completeness in carrying out a task.

Explain

The pre-use checklist of batching plant and its advantages.

Ask

- Why are the pre-use checks required?

Notes for Facilitation

- Prepare a sample checklist and explain the checks to be done before starting a batching plant.

Do

- Show demo on how to perform pre-use checks on a batching plant.
- Make participants to fill the check list as per live demo.

UNIT 3.3.2: Worksite Inspection Checklist

Explain



Before the batching plant is used, the junior operator shall check the area for possible hazards. Any problems or hazardous condition that effect the safety of operations shall be reported and corrected prior to commencing work.

Ask



- What are the worksite inspections?
- Why is worksite inspection required?

Notes for Facilitation



- Prepare a sample worksite checklist and explain the checks to be done before starting a batching plant.

Do



- Show live demo of how worksite inspection is done.
- Make them fill the checklist as per live demo was given.

Activity

- Ask the class to complete the exercise given in page no. 54 of participant handbook.
- Give the class ten minutes to complete the activity.

Exercise

Briefly answer the following questions:

1. What all do you inspect in a worksite?

2. List steps to monitor and ensure before starting the batching process.

3. Prepare a sample checklist used before starting the batching process.

Tips

Following are recommended tips:

- Visit a concrete batching plant site.
- Observe a concrete batching plant in operation and talk to an operator.



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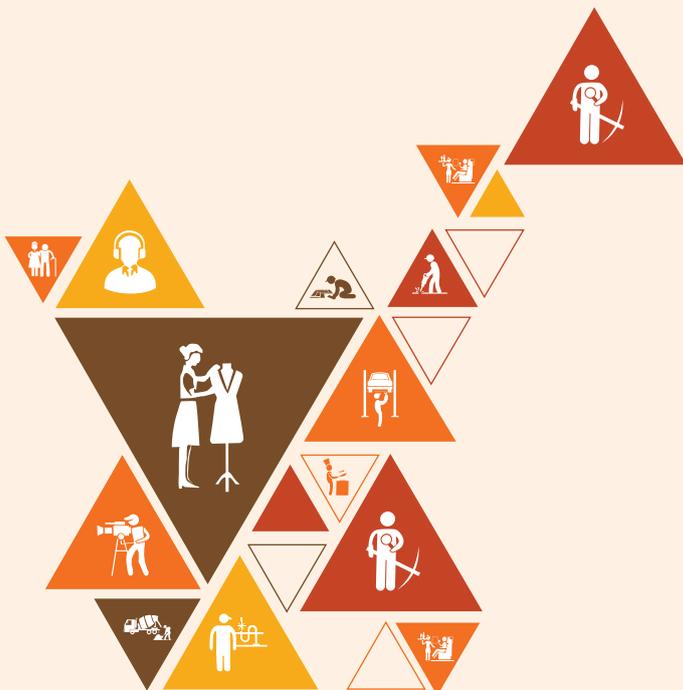
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4. Assist in Regular Maintenance of the Batching Plant

Unit 4.1 – Basic Maintenance and Schedules

Unit 4.2 – Reporting and Documentation



IES/N0130

Key Learning Outcomes

At the end of this module, you will be able to facilitate students to:

1. Identify the location of special tools and equipment/ accessories.
2. Document maintenance and service schedule including related checklists.
3. Identify common defects and general causes of the breakdown.
4. Wash & clean the plant externally to remove deposits.
5. Clean drum mixer internally as per instructions.
6. Clean air filter, replenish lubes and coolants as necessary.
7. Lubricate/grease all the moving joints/pins and pivot points.
8. Assist in diagnosing the defect/ problem and rectify; if need be seeking advice from the supervisor.
9. Assist in maintaining records/documents.
10. Report defects and problems in time and escalate as necessary.

Resources to be Used

- Whiteboard and marker
- Participant handbook
- Classroom with audio-video system
- Manufacturers O and M video & manuals
- Safety video
- Scaled model of batching plant for theory sessions
- PPE equipment : Helmet, gloves, harness, earplugs, goggles, mask
- Live batching plant at nearby project site for practical sessions

Timeline

Total time needed for the programme : 54 hours

Theory : 16:00 hours

Practical : 38:00 hours

UNIT 4.1: Basic Maintenance And Schedules

Unit Objectives

At the end of this unit, you will be able to facilitate students to:

- Carry out basic maintenance tasks on batching plant components.
- Read and understand the maintenance schedule.

UNIT 4.1.1: Cleaning the Machine

Say

In this unit, you are going to learn the points to be observed while cleaning a batching plant.

Explain

The points to be observed while cleaning concrete batching plant:

- Always dilute detergents as per the manufacturer's recommendations, otherwise damage to the paint finish may occur.
- When using a steam cleaner, wear safety glasses or a face shield as well as protective clothing. Steam can cause serious personal injury.

Ask

- Why cleaning of a batching plant is necessary and mention its advantages?
- What are the points to be observed while cleaning a batching plant?

Notes for Facilitation

- Explain the advantages of keeping a batching plant clean.
- Explain the checks to be done before cleaning.
- Show manufacturers O & M videos (cleanliness).

UNIT 4.1.2: Troubles and Remedies

Say

Let us now discuss the troubles and remedies while working in the batching plant.

Explain

The troubles and suitable remedies in concrete batching plant.

Some of the troubles are listed below;

1. Rope jerking when raising full skip
2. Skips runs over the waiting position and discharge unexpectedly
3. Skip runs over the discharge position and comes to a stop in emergency cut out position
4. Skip remains is waiting position and does not run further
5. Skips gets caught in the track during lowering and rope becomes very slack(has partly run off the drum)
6. Main switch cannot be switched on
7. Automatic sequence does not continue
8. Skip does not start or comes to a stop during its run
9. Mixer does not start or switches off unexpectedly
10. Water runs even when main switch is switch is switched off
11. Cement screw conveyor switches off at the required value and indication declines.
12. Cement weigher discharges slowly
13. Automatic batching does not start.

Ask

- What are the troubles which occur in the automatic sequence in a batching plant?
- What are the steps need to be taken to overcome the troubles in a batching plant operation?

Notes for Facilitation

- Refer page no. 60 in participant handbook and explain the above topic.
- Form two or three teams and let them discuss the troubles, cause and their remedies.

UNIT 4.1.3: General Maintenance

Say

Plant & equipment should be maintained in a clean and efficient working condition, for an effective production & delivery of concrete.

Explain

The general maintenance and overhaul procedures:

- The time intervals given such as A, B, C, D etc., the maintenance and repair information are based on the operating conditions, the site and the lubricants, such as 1, 2, 3, 4, etc., up to 11.
- In tropical countries; the humidity, the ozone content and ambient temperature and higher. In these conditions, rubber parts, such as seals, collars, scrappers and hoses wear out very fast. These parts become prematurely hard, and cracks are formed. For this reason, they must be checked in shorter time intervals and replaced, if necessary.
- In case of the high ratio of dust, the vents, valves, oil filler points on air compressors, all lubrication points as well as mechanical guides and bearings have to be protected.
- In countries with lower average temperature and higher humidity special attention has to be given to the pneumatic system. Thorough draining and defrosting as well as oiling of the system is necessary.

Ask

- What are the procedures for general maintenance?
- What are the advantages of general maintenance?

Notes for Facilitation

- Give live demo to the participants to conduct general maintenance.
- Make sure all participants understand the general concepts and show O & M videos.

UNIT 4.1.4: Components with Special Maintenance

Explain



The components which need special maintenance:

- For maintenance of components such as weighing heads, compressors for summer and winter operation, motor, gears, refer to manufacturer's documentation.

Ask



- To name the parts which need special maintenance?

Notes for Facilitation



- Give live demo to the participants for special maintenance.
- Show O & M videos for special maintenance to make them understand better.

UNIT 4.1.5: Regular Maintenance

Say

The primary goal of maintenance is to avoid the consequences of failure of equipment. This may be by preventing the failure before it actually occurs. It is designed to preserve and restore equipment reliability by replacing worn components before they actually fail. Maintenance activities include partial or complete overhauls at specified periods, oil changes, lubrication, minor adjustments, and so on.

Explain

Daily maintenance :

- Check line pressure of water and air.
- Before every start-up check all functions of cylinders, mixer valves as well as all mechanical operations. All lines, such as water and air have to be tested for tightness. All air filters have to be cleaned.
- Clean and spray mixer after every production stop (long break, end of work).
- For maintenance of the individual components refer maintenance sheets.

Notes for Facilitation

- Refer to figure on.4.1.5 on page no. 63 & 64 in the participant handbook and explain the points to be noted for regular maintenance.
- Give the demo of how plant is need to be inspected for regular maintenance.
- Make participants discuss the advantages of regular maintenance.

UNIT 4.2: Reporting & Documentation

Unit Objectives

At the end of this unit, you will be able to facilitate students to:

- Maintain a checking/maintenance logbook to record all activities.
- Inform concrete batching plant operator of problems that are beyond the scope of a junior concrete batching plant operator.

UNIT 4.2.1: Maintaining Machine Logs

Explain



Machine log maintains the history of entire machine. It acts as a guide in times of emergency when the concrete batching plant goes out of order. The log helps the technician understand the condition of the machine, which parts consumable, etc., have been changed at particular operation hours.

Date	Hours	Service Procedures

Ask



- Explain the importance of maintaining machine log.
- Explain the advantages of maintaining machine log.
- Explain disadvantages of not maintaining the machine log.

UNIT 4.2.2: Informing Supervisor if Problem is Unresolved

Explain



It is important to inform concrete batching plant operator if you are unable to resolve a problem that has occurred with/during the concrete batching plant. The concrete batching plant operator is adequately trained and well informed to tackle the situation. In case he is unable to do so he will coordinate with the dealer for a solution or whatever he seems fit in such a situation.

Inform the concrete batching plant operator in the following cases;

- The machine is not functioning properly and the junior operator unable to ascertain the problem.
- Even after diagnosing the junior operator is unable to rectify the faults. The required spares and or consumables are not available.
- The junior operator is not trained to do a specific task.

Ask



- Why is it important to inform the operator about the problem in a plant?

Notes for Facilitation



- Explain the problems that may occur during operating the batching plant.
- Explain the importance of reporting to the supervisor about the problem.

Do



- Make the participants discuss the common problems while operating batching plant.
- Make the participants demonstrate how they will report the incident to the supervisor.

Activity



- Ask the class to complete the exercise given on the page no. 67 of participant handbook.
- Give the class ten minutes to complete the activity.

Exercise



Briefly answer the following questions.

1. How do you rectify the issue of skip not returning from waiting for the position?

2. What are the possible causes of automatic sequence not happening?

3. What are the important steps of maintenance in tropical countries?

4. What are various daily maintenance activities?

Tips



- **Following are the recommended tips:**
- Visit a concrete batching plant site and have a detailed look at the concrete batching plant and its components in the presence of the operator.
- Always follow recommended safety guidelines and warning signs by the manufacturer.

Key Learning Outcomes

At the end of this module, you will be able to facilitate students to:

1. Understand the safety guidelines and precautions an operator has to follow.
2. Identify and understand the use of Personal Protective Equipment (PPE).
3. Understand the measures that can help and avoid site mishaps.
4. Operate safely with waste at worksite.
5. Administer first-aid for common injuries at the worksite.

Resources to be Used

- Whiteboard and marker.
- Participant handbook.
- Audio-video projection system.
- Manufacturers O and M video & manuals.
- Safety videos.
- Firefighting equipment.
- First aid box and charts.
- Scale model of machine.
- PPE items : Helmet, gloves, harness, earplugs, goggles, mask.
- Machine with standard tools and equipment.
- Open ground and Lab/workshop.

Timeline

Total time needed for the programme : 18 hours

Theory : 06:00 hours

Practical : 12:00 hours

UNIT 5.1: ESH Policies and Guidelines

Unit Objective

At the end of this unit, you will be able to facilitate students to:

- Understand the safety precautions that an operator needs to follow while at work.
- Understand the various do's and don'ts while working with the machine.

UNIT 5.1.1: Safety Precautions to be Taken

Say



- The primary factor to learn and follow safety precautions by an operator is to avoid accidents and safe operations of a machine in to maintain accident-free worksite.

Explain



It is of vital importance for every employer and employee involved in machine operations and maintenance to safeguard themselves, learn safety procedures and encourage safe practices within their workplace. This prevents many accidents taking place due to carelessness and ignorance.

An operator too has a duty to:

1. Be responsible and careful to avoid himself or others life putting into risk.
2. The operator must co-operate with his employer or any other person to perform their legal duties in health and safety.
3. Do not interfere with or misuse any safety device or equipment.
4. Not intentionally or recklessly interfere with anything provided in the interest of health, safety and welfare
5. Follow operator's procedures and the manufacturer's instructions, which describes the safe operation of the machine they are responsible for.
6. Inform the supervisor, without unreasonable delay, of any work situation that they are aware of which presents a risk to the health and safety to them or others
7. Immediately report any defects in plant and equipment which might endanger safety.

Ask



- What are the safety precautions to be taken by an operator at work?
- What is the purpose of following safety precautions at the worksite?

Do



- Give a demo of safety precautions to be taken and explain above topic with a machine.
- Make participants to explain the safety precautions needed to be considered while operating a machine.

UNIT 5.1.2: Do's and Don'ts during Operation

Say

- Once the safety precautions are understood, there are certain do's and don'ts associated with machine operations which will bring in the discipline in each operator.

Explain

Do's

- Comply fully with instructions given by the supervisor
- Follow the manufacturer's instructions (operator manuals) for the specific machine you are assisting on
- Take safety precautions when assisting on the machine prior to, during and after work

Don'ts

- Operate the machine unless you have received appropriate training and are authorised to do so.
- Ignore hazards.
- Misuse, tamper or interfere with your machine and any associated safety equipment provided.
- Endanger your own health and safety, or that of anyone else, by being negligent.

Notes for Facilitation

- Form two teams and let them discuss the do's and don'ts during operating a machine.
- Show O & M videos/safety videos of a machine to make participants understand better.

UNIT 5.2: Types and Uses of PPE

Unit Objective

At the end of this unit, you will be able to facilitate students to:

- Identify different types of PPE's.
- Understand the proper use of PPE's.

UNIT 5.2.1: Personal Protective Equipment

Say

- Personal Protective Equipment (PPE) is very useful to safeguard from the common injuries, accidents and to operate the machine safely.

Explain

PPE is equipment worn to minimise exposure to a variety of hazards.

List of PPE equipment:

- Safety gloves
- Safety footwear
- Eye protection,
- Protective hearing devices (earplugs, muffs) hard
- Safety helmets
- Respiratory protecting equipment
- Safety harnesses and
- Full body suits.

Notes for Facilitation

- Refer to figure no. 5.1, 5.2, 5.3 & 5.4 in participant handbook and explain the Personal Protective Equipment (PPE).
- Explain the advantages of using each PPE item.

Do

- Show manufacturers safety videos how to use Personal Protective Equipment (PPE).
- Make participants identify the equipment's and discuss the advantages of the personal protective equipment (PPE).

UNIT 5.3: Common Hazards & Preventive Measures

Unit Objective

At the end of this unit, you will be able to facilitate students to:

- Identify the common hazards at the worksite.
- Understand the necessary do's and don'ts that may help to avoid accidents.

UNIT 5.3.1: Accident Prevention & Control Do's & Don'ts

Say

- Prevention is better than cure. Accidents are prone to happen, but when proper safety measures are followed and when Specific do's and don'ts are followed most of the common accidents can be prevented.

Explain

Common accidents with machines are overturns, falls, run overs and collision with other objects and human. Following are the basic do's and don'ts to prevent accidents:

Do's

- Wear all protective clothing and personal safety equipment issued to you or required by your working conditions.
- Understand and follow safety procedures when working on site and using plant and work equipment.
- Ensure you are fully aware of the job requirements and how they need to be carried out know where to get help. Know the first aid and emergency procedures.
- Study the manufacturer's operator's manual for using your plant and equipment. If the manual is not provided, ask your supervisor or the suppliers of the plant / equipment to supply one.
- Report faulty / unsafe plant or equipment and any dangerous incidents.
- Safe use of plant equipments to avoid any effect on its stability.
- Watch out the consequences of your actions on others in the work places.
- Maintain a record of personal injuries in an accident record book or any equivalent record book. Make sure even a slight injury must be recorded.
- Attend all training courses being organised by your employer. It is possible to learn new technique and safety practices at any age.

Don't's

- Use plant or work equipment that you have not been trained to use.
- Overload any plant or work equipment either by lifting or loading.
- Operate plant and work equipment unsafely or at unsafe speeds.
- Throw or drop objects from plant or work equipment.
- Attempt to carry out work on moving parts of plant or work equipment with the safety guards removed.
- Indulge in horseplay on plant or work equipment.
- Attempt to operate any type of plant or work equipment under the influence of drugs, alcohol or any other substance, which affects your health or judgment.
- Ignore warning instructions or safety signs.

Ask

- What are the different types of hazards at the worksite?
- What are the necessary steps to be taken to avoid accidents?

Notes for Facilitation

- Form two teams and ask them to discuss how to avoid accidents in the worksite.
- Show O & M videos/safety videos to make participants understand better.

UNIT 5.4: Segregation and Disposal of Waste

Unit Objective

At the end of this unit, you will be able to facilitate students to:

- Identify different types of waste and their segregation.
- Understand the procedure for correct disposal of waste.

UNIT 5.4.1: Waste Management

Say

- Waste management is an approach that aims to reduce waste, thereafter recycle waste and dispose of the balance especially hazardous material economically keeping in view environmental regulations.

Explain

Waste segregation is a procedure which allows an individual to store different types of wastes with suitable classifications and helps to safe disposal of each type of wastes separately.

An operator needs to remember some basic waste management rules:

- Use only authorised waste disposal sites.
- Never store lubricants in open or unlabelled containers.
- Never pour used engine oil into sewers, drains or on the ground.
- Look out for the proper bin (black in case of general rubbish) in case of non-industrial waste at your worksite. Most bins clearly mention the waste that can go in it.

Ask

- What is waste management?
- What are the basic rules for waste management?

Notes for Facilitation

- Refer to figure no. 5.5 in participant handbook and explain the waste management.
- Explain the advantages of waste management.

UNIT 5.5: Basic Fire-fighting Equipment and Use

Unit Objective

At the end of this unit, you will be able to facilitate students to:

- Identify different types of fire-fighting equipment.
- Understand the procedures for correct operations of this equipment.

UNIT 5.5.1: Fire Extinguisher

Say

- Firefighting is the act of attempting to prevent the spread of and extinguish significant unwanted fires in the worksite. A fire extinguisher is an active fire protection device used to extinguish or control small fires, often in emergency situations.

Explain

To operate an extinguisher:

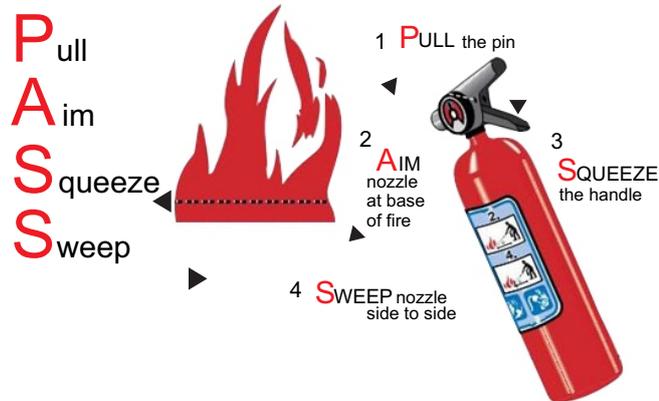


Fig 5.5.1 Fire Extinguisher

Ask

- How to operate the fire extinguisher?

Notes for Facilitation

- Give demo how to operate the fire extinguisher.
- Show O & M videos/safety videos (fire extinguisher).

Do

- Make participants to operate the fire extinguisher.
- Make them to discuss the situations where the fire extinguisher must be used.

UNIT 5.5.2: Sand Bucket

Say

- A sand bucket is a bucket filled with sand which is used to prevent or extinguish small fires. These are also called as **Fire Buckets**.

Explain

- Typically, sand /fire buckets are painted bright red and have the word fire stencilled on them. Often they have a convex, protruding bottom.
- The sand from a fire bucket can also be used to absorb spills of flammable liquids and render them less dangerous, by reducing the risk of ignition and explosion.
- Fire buckets are a low-technology method of fighting small fires. Although largely superseded by more modern forms of firefighting equipment, they retain some distinct advantages and remain the preferred method for fighting small fires in certain situations. The main advantages of fire buckets are that they are cheap, reliable, easy to use and can be quickly refilled and reinstated.
- Normally, they are hung on dedicated fire bucket stands and placed in prominent positions in rooms or corridors at the worksite.

Ask

- What are the advantages of sand buckets over the fire extinguishers?
- What are types of fire where the sand buckets would be used?

Notes for Facilitation

- Refer to figure no. 5.7 in participant handbook to explain the sand bucket.
- Brief the participants how sand bucket will be useful in fighting small fire situations.
- Show O & M videos/safety videos (sand bucket usage).

UNIT 5.6: Common Injuries and Appropriate First Aid

Unit Objective

At the end of this unit, you will be able to facilitate students to:

- Identify the various items of the first aid kit.
- Administer first aid for common injuries.

UNIT 5.6.1: Basic First Aid Kit

Say

- A first aid kit is a collection of supplies and equipment that is used to give medical treatment to a sick or injured person until full medical treatment is available. There is a wide variation in the contents of first aid kits based on the knowledge and experience of those putting it together.

Explain

An operator must have basic knowledge of emergency medicines that can be used as primary medical service for cuts, wounds, fever, etc.

Basic items of first aid kit are listed below

- Scissors
- Glove
- Tweezers
- Antiseptic wipes
- Roller bandage
- Thermometer
- Alcohol
- Antibiotics ointment packets

Ask

- What are the common injuries which may happen in worksite?
- What are the basic first aid items?

Notes for Facilitation

- Refer to figure no. 5.8 in the participant handbook and explain & show items in first aid kit.
- Explain the functions of each item in the first aid kit.
- Give the demo on how to treat a minor injury during work.
- Show O & M videos/safety videos (using first aid kit) during the injury.

UNIT 5.6.2: Administer Aid

Say

- Employees and the employers need to assess the first aid requirements of their work. It is necessary to be sure there are enough trained first aiders and facilities to help casualties of illness or injury immediately, and that an ambulance or other professional help can be summoned without delay.

Explain

Emergency First Aid

ABC's of immediate first aid action

A- Open the airway

B- Check the breathing

C- Check for circulation

Brief them about;

- Mouth to mouth resuscitation
- Chocking
- Severe bleeding
- Fractures
- Burns
- Eye injury
- Electric shock
- Shock due to injury

Ask

- What must be given as first aid during severe bleeding?
- What is the basic first aid to be given during eye injury?

Notes for Facilitation

- Refer to figure no. 5.9 in the participant handbook and explain the topics.
- Show O & M videos/safety videos to understand better.

Excercise

Briefly answer the following questions.

1. How can the operator help in creating a safer workplace?

2. List some common PPE.

3. What precautions an operator has to follow when dealing with waste?

4. What makes up a basic first aid kit?

Activity

- Ask the class to complete the exercise given in page no. 60 of participant handbook.
- Give the class five minutes to complete the activity.



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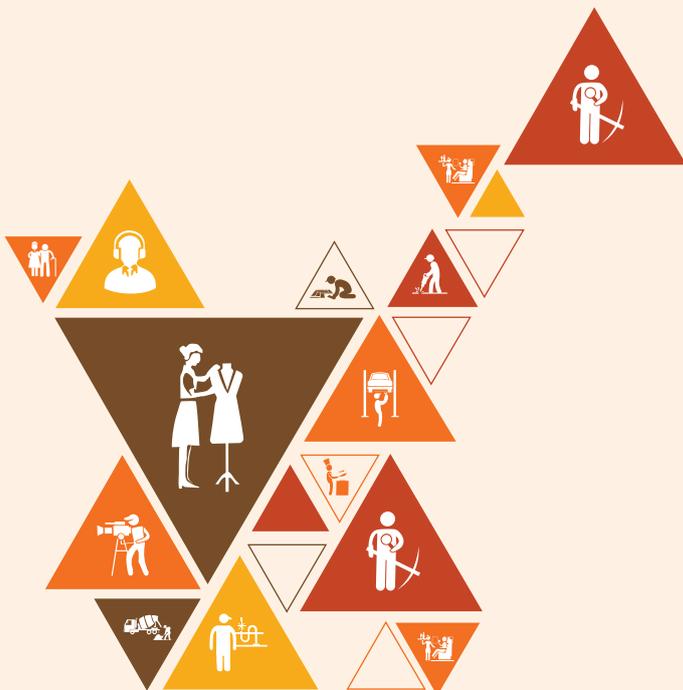
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6. Communication Skills and Customer Care

- Unit 6.1 – Preparing for Work
- Unit 6.2 – Communication Skills
- Unit 6.3 – Time Management
- Unit 6.4 – Customer Services



Key Learning Outcomes

At the end of this module, you will be able to facilitate students to:

1. Organise self by following organisational grooming guidelines/standards.
2. Communicate well with supervisors, fellow workers and customers.
3. Know the time wasters at work and better manage your work schedule.
4. Make customers happy with your work.

Resources to be Used

- Whiteboard and marker.
- Participant handbook.
- Audio-video projection system.
- Company's ESH video.
- Safety videos.
- Firefighting equipment.
- First Aid Box and Charts.
- Scale model of machine
- PPE: Helmet, gloves, harness, earplugs, goggles, mask.
- Machine with standard tools and equipment.
- Open ground and Lab/workshop.

Timeline

Total time needed for the programme : 4 hours

Theory : 04:00 hours

UNIT 6.1: Preparing for Work

Unit Objective

At the end of this unit, you will be able to facilitate students to:

- Understand the importance of grooming.
- Follow professional grooming guidelines for an operator.

UNIT 6.1.1: Importance of Grooming

Say



- Personal grooming is the art of cleaning and maintaining parts of the body. Body grooming is the act of hair trimming, shaving, styling or trimming hair of the male body.

Explain



Grooming:

Things that you do to make your appearance clean and neat, for example brushing your hair or the things that you do to keep yourself clean and neat.

Grooming is important as it helps in adding value to you and your organisation, it builds:

- Professionalism
- Safety
- Credibility or Reliability

Ask



- Why grooming is important at worksite?
- What do you mean by professionalism?

Notes for Facilitation



- Explain how grooming will help to grow professionally.
- Explain the necessity of dress code at worksite.

UNIT 6.1.2: Grooming Guidelines

Say

- Appearance and grooming standards have been developed so that if all employees consistently follow the guidelines, uniformity and fairness will be maintained.

Explain

Following photograph depicts grooming in its entirety.



Fig 6.1.2 Personal Grooming

Note: Always wear personal protective equipment (PPE) when handling hot components or when using a brush to clean components.

Tips

- Employers are generally permitted to have and enforce grooming and hygiene standards in the workplace that apply to all employees or employees with certain jobs, even if they conflict with an employees religious beliefs.
- Inconsistent application of a Grooming Policy could lead to claims of discrimination.
- Every employee is expected to practice daily hygiene and good grooming habits as per guidelines set by employer.

UNIT 6.2: Communication Skills

Unit Objective

At the end of this unit, you will be able to facilitate students to:

- Identify and understand the need for effective communication at worksite.

UNIT 6.2.1: Need of Effective Communication at Worksite

Say

- Communication is the act of conveying intended meanings from one entity or group to another through the use of mutually understood writing, verbal and hand signals/gesture. Failing to communicate effectively in a workplace leads to accidents and confusion among employees.

Explain

Bad communications can cause accidents. Keep people around you informed of what you will be doing. If you will be working with other people, make sure any hand signals/gesture used should be understood by everybody. Work sites can be noisy, do not rely on spoken commands.

An operator needs to be alert of his surroundings. Any accident or serious machine malfunctioning is to be immediately reported to his immediate supervisor.

Ask

- What are the advantages of having good communication skills?
- What will be the result of bad communication?

Notes for Facilitation

- Explain how to develop an excellent communication skills.
- Explain the accidents which are likely to happen due to bad communication at the worksite.
- Demonstrate hand signals/gestures commonly used while working in the noisy worksite.
- Importance of reporting accidents immediately.

Do

- Make participants to discuss with each other on the machine to check the communication skills.
- Make participants to demonstrate the hand signal at noisy worksite.

UNIT 6.3: Time Management

Unit Objective

At the end of this unit, you will be able to facilitate students to:

- Identify and understand time wasters as stumbling blocks.

UNIT 6.3.1: Time Wasters as Stumbling Blocks

Say

- A stumbling block is a symbol of a behaviour or attitude that leads another to destructive behaviour. In every workplace, few factors will act as time wasters.

Explain

Following time wasters act as 'stumbling blocks' to jobs completion on time:

- Leaving unfinished tasks
- Smoking, tea-breaks, etc.
- Socialising and electronic interruptions
- Confused responsibility or authority
- Incomplete information and poor communication
- Inadequate controls and progress reports
- Drop-in visitors and procrastination

Ask

- What is the importance of time management at the worksite?
- What are the stumbling blocks that may occur at the worksite?

Notes for Facilitation

- Explain how to manage time at the worksite.
- Explain how to avoid the time wasters act at the worksite.

UNIT 6.4: Customer Services

Unit Objective

At the end of this unit, you will be able to facilitate students to:

- Understand and demonstrate the importance of handling complaints.
- Learn and familiarize with decision-making skills, problem-solving skills, listening skills.

UNIT 6.4.1: Do's and Don'ts for Good Customer Experience

Say

- A good customer experience means that the individual's experience during all points of contact matches the individual's expectations. Excellent customer service and high customer satisfaction must start with understanding customer expectations. You need to know who your customers are and what they want.

Explain

An operator need to go through the following do's and don'ts for better customer service:

Do's

- Meet and greet customers
- Be an attentive listener
- Try to find solutions at your end rather than escalating it to supervisor
- Be polite

Don'ts

- Leave problems unresolved or unanswered because you are offended by customer's tone or for any other reason.
- Delay your response time to a customer complaint
- Lie about your product or services
- Do anything unethical just to please the customer

Notes for Facilitation

- Explain the participants on the advantages of having the good relationship with customers.
- Make the participants to discuss on the Do's and Don'ts to have good customer experience.

Introduction: Employability and Entrepreneurship Skills

This Facilitator's guide includes various activities which will help you as a facilitator to make the sessions participative and interactive.

Ice breaker

- You can begin the module with the following ice breaker:

Five of Anything Ice Breaker Steps:

- Divide the participants into groups of four or five by having them number off. (You do this because people generally begin a meeting by sitting with the people they already know best.)
- Tell the newly formed groups that their assignment is to share their five favourite movies of all time, their five favourite novels or their five least liked films. The topic can be five of anything - most liked or disliked.
- This ice breaker helps the group explore shared interests more broadly and sparks lots of discussion about why each person likes or dislikes their selected five.
- Tell the groups that one person must take notes and be ready to share the highlights of their group discussion with the class upon completion of the assignment.

Expectation Mapping

1. During the first session and after ice breaker session, ask the participants to answer the following question: "What do I expect to learn from this training?"
2. Have one of the participants write their contributions on a flip chart sheet.
3. Write down your own list of covered material in the training on another flip chart sheet.
4. Compare the two sheets, commenting on what will and what will not be covered during the training.
5. Set some ground rules for the training sessions. Ask the participants to put these rules on a flipchart and display it in the class.
6. You may get back to those sheets once again at the end of the last session of the training.
7. Benefits of doing this activity:
 - Participants feel better as their opinions are heard.
 - Participants get to know what they should expect from the training.
 - The facilitator gets to know which points to emphasize, which to leave out, and which to add during the training.
8. Expectations from the participants:
 - Must sign the attendance sheet when they arrive for class.
 - Conduct themselves in a positive manner
 - Be punctual, attentive, and participative
9. Explain the contents that are going to get covered one by one and connect it with the expectation mapping done earlier.
10. By the end of this exercise, the participants should have a clear understanding of what to expect from the session and what are the areas that will not get covered.

Defining Objectives

1. Defining the objectives in the beginning of the units sets the mood for the unit.
2. To begin with the end in mind sets the expectations of the participants as what could be the important takeaways from the session.
3. It is also a way of making participants take responsibility of their own learning process.
4. For the facilitator, the objectives decide a designed path to progress on so that the learning stays aligned and on track.

5. Read the objectives slowly, one by one, and ask the participants to explain what they think it means.
6. At the end of the session, you could again revisit the objectives to find out from the participants about how many objectives have been achieved.

In order to effectively facilitate this workshop:

1. You must have thorough knowledge of the material in the Participant Handbook, and be prepared to answer questions about it.
2. You may also wish to read other material to enhance your knowledge of the subject.
3. There may be issues raised with which you are not able to deal, either because of lack of time or knowledge. You can either state that you will obtain answers and get back to the participants with the information. In case the query can be turned to an assignment to the class, do so. You can work with the the participants on the assignment.
4. You must have a very clear understanding of what the participants want to accomplish by the end of the workshop and the means to guide the participants.
5. As the facilitator, it is your responsibility to make sure that all logistical arrangements are made for the workshop. This may involve doing it yourself or confirming that someone else has made all necessary arrangements associated with the workshop. Assume nothing and check everything before the workshop begins.
6. To break the monotony and boredom during sessions, introduce mini breaks in the form of stretching exercises, jokes, some group songs or games.
7. Invite discussion from the participants.
8. Probe the participants further and lead them to come to affirmative conclusions.
9. Let the participants answer. No answer is incorrect.
10. Ask one participant to write all the points on the whiteboard.
11. Build the sessions from the answers provided by the class.
12. Prepare for the sessions in advance so that the resources like flipcharts, handouts, blank sheets of paper, marker pens, etc. can be kept ready.
13. Ensure that resources like board, markers, duster etc. is available before your session starts.

General instructions for role playing:

1. You are not being asked to be an actor or to entertain. The purpose of the role play is to provide a situation in which you can practice certain skills.
2. When you read the brief, try to imagine yourself in the situation described and behave in a way you feel to be natural – but be conscious of the fact that your role may require a different approach from that which you might normally use.
3. You (and others) may benefit from the change in approach and behaviour. Therefore, try to use the approach you feel to be most appropriate for the circumstances described in your brief.
4. The brief is just the starting point. It simply sets the scene and the tone of session or activity. Try not to keep referring to the brief as this will affect the spontaneity of the meeting. Allow the role play to develop as you think it might in real life and change your reactions in line with the behaviour and responses of others involved.
5. If you find that you have too little information to answer questions or to describe what has happened in the situation, do feel free to add your own thoughts and ideas. Try to keep these within the framework of the role you are taking and try to make your improvisations as realistic as possible.

UNIT 7.1: Personal Strengths & Value Systems

Key Learning Outcomes



At the end of this unit, participants will be able to:

1. Explain the meaning of health
2. List common health issues
3. Discuss tips to prevent common health issues
4. Explain the meaning of hygiene
5. Discuss the purpose of Swacch Bharat Abhiyan
6. Explain the meaning of habit
7. Discuss ways to set up a safe work environment
8. Discuss critical safety habits to be followed by employees
9. Explain the importance of self-analysis
10. Discuss motivation with the help of Maslow's Hierarchy of Needs
11. Discuss the meaning of achievement motivation
12. List the characteristics of entrepreneurs with achievement motivation
13. List the different factors that motivate you
14. Discuss the role of attitude in self-analysis
15. Discuss how to maintain a positive attitude
16. List your strengths and weaknesses
17. Discuss the qualities of honest people
18. Describe the importance of honesty in entrepreneurs
19. Discuss the elements of a strong work ethic
20. Discuss how to foster a good work ethic
21. List the characteristics of highly creative people
22. List the characteristics of highly innovative people
23. Discuss the benefits of time management
24. List the traits of effective time managers
25. Describe effective time management technique
26. Discuss the importance of anger management
27. Describe anger management strategies
28. Discuss tips for anger management
29. Discuss the causes of stress
30. Discuss the symptoms of stress
31. Discuss tips for stress management

UNIT 7.1.1: Health, Habits, Hygiene: What is Health?

Unit Objectives

At the end of this unit, participants will be able to:

- Explain the meaning of health
- List common health issues
- Discuss tips to prevent common health issues
- Explain the meaning of hygiene
- Discuss the purpose of Swachh Bharat Abhiyan
- Explain the meaning of habit

Resources to be Used

- Participant Handbook

Ask

- What do you understand by the term “Health?”
- According to you, who is a healthy person?

Say

- Discuss the meaning of health and a healthy person as given in the Participant Handbook.

Ask

- When did you visit the doctor last? Was it for you or for a family member?

Say

- Discuss the common health issues like common cold, allergies etc. Refer to the Participant Handbook.
- Let us do a small activity. I will need some volunteers.

Role Play

- Conduct a small skit with volunteers from the class. Consider one of the villagers has been appointed as a health representative of the village, what measures will you as a health representative suggest to the common villagers to prevent common health issues discussed.
- You will need at least 4 volunteers (Narrator, Health Representative, Head of the Village, Doctor).
- Explain the health concerns of the village to the Narrator. The Narrator will brief the class about the skit.
- Give the group of volunteers, 5 minutes to do discuss.
- At the end of 5 minutes, ask the group to present the skit to the class assuming them as the villagers.
- The class can ask questions to the group as a common villager.

Summarize

- Through this activity we got some tips on how can we prevent these common health issues.

Say

- Let us now see how many of these health standards we follow in our daily life.

Activity

- Health Standard Checklist from the Participant Handbook.

Ask

- How many of you think that you are healthy? How many of you follow healthy habits?

Say

- Let's do an exercise to find out how healthy you are.
- Open your Participant Handbook section 'Health, Habits, Hygiene: What is Health?', and read through the health standards given.
- Tick the points which you think are true for you.
- Try to be as honest as possible as this test is for your own learning.

Do

- Ensure that all the participants have opened the right page in the Participant Handbook.
- Read aloud the points for the participants and explain if required.
- Give them 5 minutes to do the exercise.
- At the end of 5 minutes, ask the participants to check how many ticks have they got.

Summarize

- Tell them that they need to follow all the tips given in this checklist regularly in order to remain healthy and fit.

Ask

Discuss:

- Is it necessary to practice personal hygiene every day? Why?
- How does a person feel when they do not practice good personal hygiene? Why?
- Can good personal hygiene help a person feel good about his/her self? How?

Say

- Discuss the meaning of hygiene as given in the Participant Handbook.

Activity

- Health Standard Checklist: Hygiene

Say

- Let's do an exercise to find out if we maintain good hygiene habits or not.
- Open the Participant Handbook and read through the Health Standard checklist given.
- Tick the points which you think are true for you.
- Try to be as honest as possible as this test is for your own learning.

Do

- Ensure that all the participants have opened the right page in the Participant Handbook.
- Read aloud the points for the participants and explain if required.
- Give them 5 minutes to do the exercise..
- At the end of 5 minutes, ask the participants to check how many ticks have they got.
- Ask them to calculate their score.
- Tell them what each score indicates by reading aloud what has been mentioned in the Participant Handbook.

Ask

- How many of you have heard about “Swachh Bharat Abhiyan”?
- Can you tell the class what it is about?

Summarize

- Tell them about Swachh Bharat Abhiyan as given in the Participant Handbook and request them to take a pledge to keep our country clean.

Ask

- What is a habit?

Say

- Discuss some good habits which can become a way of life.

Summarize

- Tell them about good and bad habits and the reasons to make good habits a way of life.

UNIT 7.1.2: Safety

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss ways to set up a safe work environment
- Discuss critical safety habits to be followed by employees

Resources to be Used

- Participant Handbook
- Safety signs and symbols
- Safety equipments
- Blank papers
- Pens

Say

- There are many common safety hazards present in most workplaces at one time or another. They include unsafe conditions that can cause injury, illness and death.
- Safety Hazards include:
 - ♦ Spills on floors or tripping hazards, such as blocked aisles or cords running across the floor.
 - ♦ Working from heights, including ladders, scaffolds, roofs, or any raised work area.
 - ♦ Unguarded machinery and moving machinery parts; guards removed or moving parts that a worker can accidentally touch.
 - ♦ Electrical hazards like cords, missing ground pins, improper wiring.
 - ♦ Machinery-related hazards (lockout/tag out, boiler safety, forklifts, etc.)

Team Activity

Safety Hazards

- There are two parts to this activity.
- First part will cover the potential safety hazards at work place.
- Second part will cover a few safety signs, symbols and equipments at work place.
- Use this format for the first part of the activity.

PART 1		
Hazard	What could happen?	How could it be corrected?

Ask 

- How could you or your employees get hurt at work?

Say 

- Let's understand it better with the help of an activity. You will be given a handout within your groups. You have to think about the possible hazards of your workplace, what damage these hazards could cause and about the corrective action.

Do 

- Divide the class into five to six groups of four participants each.
- Put the format on the board for the activity.
- Give blank papers and pens to each group.
- The group is expected to think and discuss the potential safety hazards in the workplace.
- Ask the group to discuss and fill the format using the blank sheet.
- Give the groups 5 minutes for the activity.
- For the second part of the activity, show the class some pictures of safety signs, symbols and equipments.
- Now they will put down a few safety symbols, signs or equipment against the safety hazards identified.
- Give them 5 to 10 minutes to discuss and draw/note it.
- At the end of 10 minutes the groups will present their answers to the class.

Say 

- Now, let's discuss the answers with the class.
- All the groups will briefly present their answers.

Do 

- Ask the audience to applaud for the group presentation.
- Ask de-brief questions to cull out the information from each group.
- Keep a check on time.
- Tell the group to wind up the discussion quickly if they go beyond the given time limit.

Ask **De-briefing**

- What did you learn from the exercise?
- As an entrepreneur, is it important to ensure the safety of your employees from possible hazards? Why?

Summarize 

- Ask the participants what they have learnt so far.
- Ask if they have any questions related to what they have talked about so far.
- Close the discussion by summarizing the tips to design a safe workplace and non-negotiable employee safety habits.

UNIT 7.1.3: Self Analysis- Attitude, Achievement Motivation: What is Self Analysis?

Unit Objectives

At the end of this unit, participants will be able to:

- Explain the importance of self- analysis
- Discuss motivation with the help of Maslow's Hierarchy of Needs
- Discuss the meaning of achievement motivation
- List the characteristics of entrepreneurs with achievement motivation
- List the different factors that motivate you
- Discuss the role of attitude in self- analysis
- Discuss how to maintain a positive attitude
- List your strengths and weaknesses

Resources to be Used

- Participant Handbook
- Old newspapers
- Blank papers
- Pencils/ pens

Activity

- This is a paper pencil activity.

What are the three sentences that describe you the best?
--

What do you need to live happily?

What are your strengths and weaknesses?

Do

- Write the three questions on the board/ flipchart before the session begins.
- Give plain papers and pencils/ pens to each participant.
- Tell participants to write the answer for the three questions on the paper.
- Tell them the purpose of this activity is not to judge anyone but to understand more about self.

Say

- Discuss the concept of Self Analysis and motivation with reference to Maslow's Hierarchy of Needs as discussed in the Participant Handbook.

Team Activity

Tower building

- Each group which will create tower using the old newspapers.

Do

- Divide the class into groups.
- Give them some old newspapers.
- The task is to create a tower out of the newspapers.
- The group which will create the highest tower standing on its own will be considered the winning group.
- Groups can use as many newspapers as they want to and in any way they want.

Ask

- What did the winning group do differently?
- If you were given a chance, how would you have made the tower differently?
- How did you feel while making the tower?
- Did you feel motivated?

Say

- Discuss the concept of achievement motivation and characteristics of entrepreneurs with achievement motivation as discussed in the Participant Handbook.

Ask

- Is your attitude positive or negative?

Say

- Let me tell you a story :

It's Little Things that Make a Big Difference.

There was a man taking a morning walk at the beach. He saw that along with the morning tide came hundreds of starfish and when the tide receded, they were left behind and with the morning sun rays, they would die. The tide was fresh and the starfish were alive. The man took a few steps, picked one and threw it into the water. He did that repeatedly. Right behind him there was another person who couldn't understand what this man was doing. He caught up with him and asked, "What are you doing? There are hundreds of starfish. How many can you help? What difference does it make?" This man did not reply, took two more steps, picked up another one, threw it into the water, and said, "It makes a difference to this one." What difference are we making? Big or small, it does not matter. If everyone made a small difference, we'd end up with a big difference, wouldn't we?

Ask

- What did you learn from this story?

Activity

What Motivates You?

- This is an individual activity.
- It is an exercise given in the Participant Handbook.

Do

- Ask the class to open their Participant Handbook and complete the exercise given in the section What Motivates You?
- Ensure that the participants have opened the correct page for the activity.
- Give the class 5 minutes to complete the activity.

Say

- Discuss the concept of attitude and how to cultivate a positive attitude as discussed in the Participant Handbook.

Summarize

- Close the discussion by summarizing how self-analysis, knowledge about what motivates you and your positive attitude can help in your business as well in life.

UNIT 7.1.4: Honesty & Work Ethics

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the qualities of honest people
- Describe the importance of honesty in entrepreneurs
- Discuss the elements of a strong work ethic
- Discuss how to foster a good work ethic

Resources to be Used

- Participant Handbook

Ask

- What do you understand by honesty?
- Why is it important for entrepreneurs to be honest?
- Do you remember any incident where your honesty helped you in gaining confidence?
- Do you remember any incident where someone lost business due to dishonesty?

Say

- Talk about honesty, qualities of an honest person, and the importance of honesty in entrepreneurs as discussed in the Participant Handbook.
- “Let's understand it better with the help of some case scenarios. You will be given some cases within your groups. You have to analyse the case scenario that has been given to you and then find an appropriate solution to the problem.
- Keep your discussion focussed around the following:
 - What went wrong?
 - Who was at fault?
 - Whom did it impact- the customer or the businessman?
 - How would it impact the business immediately? What would be the long term impact?
 - What could be done?
 - What did you learn from the exercise?

Do 

- Divide the class into four groups of maximum six participants depending on the batch size.
- Give one case study to each group.
- Instruct them to read the case carefully.
- Put down the de-brief questions on the board and ask the groups to focus their discussion around these questions.
- The group is expected to analyse and discuss the case amongst them and find a solution to the given problem. Give the class 5-10 minutes to discuss the case and note down their solutions.
- At the end of 10 minutes the team should present their case solution to the class. The presentation can be a narration or a role play.
- Ask the group to select a group leader for their group. The group leader to discuss and assign roles to the group members for the presentation.

Team Activity **Case Study Analysis****Scenario 1**

Aakash has a small mobile retail sales and repair shop in Allahabad. He has one of the most popular outlets and has great rapport with his customers.

It's around 11 AM when a customer barges in to the shop and starts shouting at Aakash for giving her a faulty instrument. The screen of her mobile is cracked from one side. Aakash remembered thoroughly checking the handset before handing it over to the customer. The customer threatens to sue him and to go to Consumer Court for cheating her. Now, the problem occurred somewhere outside the shop but as other customers were listening to the conversation, it might impact his business. The situation needs to be managed very sensitively. What would you do if you were in Aakash's place?

Scenario 2

Rajni does beautiful Phulkari embroidery on suits and sarees. She has a small home-based business. She has a huge list of customers on Facebook and WhatsApp who give her orders regularly. Smita is one of her old and regular customers. As her sister-in-law's wedding was around the corner, Smita wanted to buy few handcrafted Phulkari duppatta. She placed an order for three duppattas via WhatsApp and requested Rajni to send them as soon as possible. When the parcel reached Smita through courier she found that out of the three duppattas, only one was hand embroidered and the other two had machine embroidery on them. Even the length and the quality of the material was not as desired. Smita was heartbroken. It was a complete waste of money and moreover she couldn't wear what she had planned to during the wedding functions. She sent a message to Rajni on WhatsApp, expressing her anger and disappointment.

Smita has also sent a feedback and expressed her disappointment on the social media... this will directly affect Rajni's business. What would you do if you were in Rajni's place?

Team Activity

Scenario 3

Shankar is a tattoo artist who has a small tattoo showroom in a big, reputed mall in New Delhi. Mr Saksham had an appointment for today, at 11:00 am but he reached at 11:50 am. Meanwhile, Shankar had to reschedule his next appointment. After availing Shankar's services, Mr Saksham started yelling in an abusive language, refusing to pay the requisite amount, and finding faults in the services provided by him. Who was at fault in this case? What should Shankar do? Should he confront Saksham or give in to the demands of the client?

Scenario 4

Shailender is an online cloth reseller who does business through social networking sites such as Facebook and WhatsApp. Priyanka made online payment for a dress to Shailender. But she did not receive the dress for a month. When she asked for a cancellation, Shailender started misleading her. For almost 45 days, he kept promising her that he will pay the amount today, tomorrow, day after etc. Even after repeated calls and messages when she did not receive the payment or the dress, she decided to write a post against him on a popular social media platform. As a result, Shailender lost lots of customers and his flourishing business faced a major crisis. How could this situation have been managed?

Say

- Now, let's discuss the problem and solution with the larger group.
- The group will first briefly describe the case to the class.
- Then discuss the issue identified and the proposed solution.
- Once the presentation is over, the class can ask their questions.

Do

- Congratulate each group for the group presentation.
- Ask the audience to applaud for them.
- Ask de-brief questions to cull out the information from each group.
- Keep a check on time. Tell the group to wind up the discussion quickly if they go beyond the given time limit.

Summarize

- Ask the participants what they have learnt from the exercise/ activity.
- Ask if they have any questions related to what they have talked about so far.
- Close the discussion by summarizing the importance of honesty and work ethics for entrepreneurs.

UNIT 7.1.5: Creativity and Innovation

Unit Objectives

At the end of this unit, participants will be able to:

- List the characteristics of highly creative people
- List the characteristics of highly innovative people

Resources to be Used

- Participant Handbook
- Chart papers
- Marker pens

Ask

- You must be aware of the term 'Rags to riches' and heard stories related to the term.
- What do these stories tell us?
- What was so special about these people?

Say

- Let's have a look at these stories.
- There are some inspiring stories about people which I would like to share with you.
- Narrate these stories to the class.

A.P.J. Abdul Kalam

Who has not heard of A.P.J. Abdul Kalam: Avul Pakir Jainulabdeen Abdul Kalam hailed from a very humble background. His father was a boat owner. To help his family, Kalam would work as a newspaper vendor. With limited resources, he graduated in Physics and studied aerospace engineering. He was instrumental in India's step towards nuclear energy. In 2002, he became the 11th President of India.

Water filter/purifier at source

Two young boys studying in classes 4 and 5, from Lingzya Junior High School, Sikkim designed a simple innovative low cost water purifier.

Inspiration behind the idea: Most people today prefer to use a water filter/purifier at their home.

Both the children have given idea to have filter/purifier at the source of water so that everyone has access to clean water without having to make an investment in purchasing a filter/purifier.

Soring's idea is to have a centralised purification system at the point of distribution like water tank while Subash's idea is to have such purifiers attached to public taps.

Source: <http://www.rediff.com/getahead/report/achievers-top-31-amazing-innovations-from-young-indians/20151208.htm>

Solar seeder

This is a story of a innovative solar seeder and developed by Subash Chandra Bose, a class 8, student from St Sebasthiyar Matriculation School, Pudukkottai, Tamil Nadu. Subash has developed a solar powered seed drill, which can undertake plantation for different size of seeds at variable depth and space between two seeds.

Source: <http://www.rediff.com/getahead/report/achievers-top-31-amazing-innovations-from-young-indians/20151208.htm>

Looms for physically challenged

Now this is really inspiring of two sisters, Elakkiya a Class 6 student and Pavithra a Class 9 student of SRC Memorial Matriculation, Erode, Tamil Nadu.

The two sisters have come up with loom for lower limbed physically challenged. In their loom they have replaced the pedal operated system with a motor and a gearbox attached to a pulley mechanism.

Source: <http://www.rediff.com/getahead/report/achievers-top-31-amazing-innovations-from-young-indians/20151208.htm>

Ask 

- If they can, why can't you?
- Discuss concepts related to 'Creativity and Innovation' with the participants as given in the Participant Handbook.

Say 

- Recall the stories on motivation.
- What is the inner drive that motivates people to succeed?
- Let's learn more about such creative and innovative entrepreneurs with the help of an activity.

Team Activity 

- This is a group activity.

- Think of any one famous entrepreneur and write a few lines about him or her.

Activity De-brief

- Why did you choose this particular entrepreneur?
- What is his/her brand name?
- What creativity does he/she possess?
- What was innovative about their ideas?

Do 

- Instruct the participants that this is group work.
- Divide the class into small groups of 4 or 6 depending on the batch size.
- Give each group a chart paper.
- Tell the participants they have to write a few lines about any one famous entrepreneur.
- Give the participants 10 minutes to discuss and write.
- Keep a check on time. Tell the group to wind up quickly if they go beyond the given time limit.
- Ask each group to read out what they have written.
- Ask the de-brief questions.

Summarize 

- Summarize the unit by asking participants if they know of some people who are highly creative and innovative in their approach.
- Ask them to share some experiences about these people with the class.

Notes for Facilitation 

- Source for stories on innovations:

<http://www.rediff.com/getahead/report/achievers-top-31-amazing-innovations-from-young-indians/20151208.htm>

UNIT 7.1.6: Time Management

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the benefits of time management
- List the traits of effective time managers
- Describe effective time management techniques

Resources to be Used

- Participant Handbook

Ask

Does this sound like you?

- I can never get enough time to finish what I am doing in a day.
- I have so many things to do that I get confused.
- I want to go for a walk and exercise, but I just do not have the time.
- I had so much to do, so I could not deliver that order on time.
- I would love to start my dream business; but, I just do not have the time.

Example

- Let's look at these two examples:

Example 1:

Ankita works from home as a freelance writer. She says she can easily put in 8 hours of dedicated work in a day. Because she works from home, she saves money on travel and has a comfortable work routine. But there is a challenge and it is distraction. As she works from home, she can easily just get up and sit down on the sofa to watch TV, wasting valuable time. She may have chores to do, errands to run and bills to pay. She ends up working only two to three hours a day and the result is, her work gets piled up. She is unable to take on more work due to this. Even though her quality of work is appreciated her clients are not very happy about the delay in submission.

Example 2:

Javed has started a successful online selling company from home and makes a good living from his sales. He has set up a small office space in his living room. As both his parents are working full-time, he also has the role of taking care of his two younger siblings. He almost spends half of his day with the younger kids. He does not mind it but it means taking time away from the work. He is still able to manage his online business with these commitments. He wants to spend some more dedicated hours so as to increase his profits. He also wants to look into new business avenues. What should he be doing.

Ask

- Does this happen with you too?
- Do you find it difficult to prioritize your work?
- Are you able to manage your time effectively?

Activity

- Conduct a group discussion based on the above examples.
- Direct the discussion on how to prioritize work and manage time effectively.

Say

- Time management is not only about how hard you work but also about how smart you work.
- Discuss “What is Time Management” with the participants as given in the Participant Handbook.

Ask

- Why is it important to manage time? How does it help?
- What happens when you don't manage your time effectively?
- Do you find it difficult to prioritize your work?

Say

- Discuss the benefits of time management given in the Participant Handbook.
- Let's learn effective time management with the help of an activity.

Activity

Effective Time Management

- This activity has two parts:

PART 1 TO-DO LIST

- You have to make a to-do list.
- List all of the activities/ tasks that you have to do.
- Try to include everything that takes up your time, however unimportant it may be.
- If they are large tasks, break them into action steps, and write this down with the larger task.
- You can make one list for all your tasks or have separate to-do lists for personal and professional tasks.

PART 2 URGENT-IMPORTANT GRID

- You have to make a grid as shown on the board here. .
- This grid has four boxes. As you can see, each box has a different heading.
- At the heart of the urgent-important grid, are these two questions:
 - Is this task important?
 - Is this task urgent?
- Now, you have to think about each activity that you have written in your to-do list and put it into one of the four categories.
- **What do these categories depict?**
- **Category 1: Urgent/Important**
 - This category is for the highest priority tasks. They need to get done now.

- **Category 2: Not Urgent/Important**
 - This is where you want to spend most of your time.
 - This category allows you to work on something important and have the time to do it properly.
 - This will help you produce high quality work in an efficient manner.
 - The tasks in this category are probably the most neglected ones, but also the most crucial ones for success.
 - The tasks in this category can include strategic thinking, deciding on goals or general direction and planning – all vital parts of running a successful business.
- **Category 3: Urgent/Not Important**
 - This is where you are busy but not productive. These tasks are often mistaken to be important, when they're most often busywork.
 - Urgent but not important tasks are things that prevent you from achieving your goals.
 - However, some may be activities that other people want you to do.
- **Category 4: Not Important and Not Urgent**
 - This category doesn't really include tasks, but rather habits that provide comfort, and a refuge from being disciplined and rigorous with your time management.
 - Some may be activities that other people want you to do.
 - These might include unplanned leisure activities as well.

TO- DO list format

1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	
12.	
13.	
14.	

URGENT-IMPORTANT GRID

URGENT/ IMPORTANT

- Meetings
- Last minute demands
- Project deadlines
- Crisis

NOT URGENT/ IMPORTANT

- Planning
- Working towards goals
- Building relationship
- Personal commitments

1

2

3

4

- Interruptions
- Phone calls/ E-mails
- Other people's minor demands

URGENT/ NOT IMPORTANT

- Internet surfing
- Social media
- Watching TV

NOT URGENT/ NOT IMPORTANT

URGENT/ IMPORTANT GRID format

URGENT/ IMPORTANT

NOT URGENT/ IMPORTANT

1

2

3

4

URGENT/ NOT IMPORTANT

NOT URGENT/ NOT IMPORTANT

Do 

- Put down the formats for the to-do list and the urgent/ important grid on the board.
- Instruct the participants to prepare their to-do list first.
- Give the participants 10 minutes to prepare the list.
- Once done, instruct them to divide the tasks in to-do list into the four categories.
- Explain the four categories to the participants giving examples specific to their context.
- As you explain the categories fill the grid with the type of tasks.
- Give the participants 40 minutes to fill the grid.
- Then explain how to balance the tasks between the four categories.
- Keep a check on time. Tell the group to wind up quickly if they go beyond the given time limit.

Say **Activity De-brief:****How can we balance tasks between the four categories?****How to manage time through this grid?**

- **Category 1: Urgent/Important**
 - ♦ Try to keep as few tasks as possible here, with the aim to eliminate.
 - ♦ If you spend too much of your time in this category, you are working solely as a trouble shooter, and never finding time to work on longer-term plans.
- **Category 2: Not Urgent/Important**
 - Plan these tasks carefully and efficiently as they are most crucial ones for success.
 - If necessary, also plan where you will do these tasks, so that you're free from interruptions.
 - Include strategic thinking, deciding on goals or general direction and planning in your planning process.
- **Category 3: Urgent/Not Important**
 - ♦ Ask yourself whether you can reschedule or delegate them.
 - ♦ A common source of such activities is other people. Sometimes it's appropriate to say "no" to people politely, or to encourage them to solve the problem themselves.
- **Category 4: Not Important and Not Urgent**
 - ♦ You also want to minimize the tasks that you have in this category.
 - ♦ These activities are just a distraction – avoid them if possible.
 - ♦ You can simply ignore or cancel many of them.
 - ♦ Politely say "no" to work assigned by others, if you can, and explain why you cannot do it.
 - ♦ Schedule your leisure activities carefully so that they don't have an impact on other important tasks.
- Discuss the traits of effective time managers and effective time management techniques as given in the Participant Handbook.

Summarize 

- Discuss the traits of effective time managers and effective time management techniques as given in the Participant Handbook.

Notes for Facilitation



- Here is a short story. You can conclude the session narrating the story. To make it more interesting you can perform the demonstration described and discuss the short story.
 - ♦ One day an expert in time management was speaking to a group of students. As he stood in front of the group, he pulled out a large wide-mouthed glass jar and set it on the table in front of him. Then he took out a bag of about a dozen rocks and placed them, one at a time, into the jar. When the jar was filled to the top and no more rocks would fit inside, he asked, "Is this jar full?" Everyone in the class said, "Yes." Then he said, "Really?"
 - ♦ He reached under the table and pulled out a bucket of gravel (small stones). He dumped some gravel in and shook the jar causing pieces of gravel to work themselves down into the space between the rocks. Then he asked the group once more, "Is the jar full?" By this time, the class began to understand. "Probably not," one of them answered. "Good!" he replied.
 - ♦ He reached under the table and brought out a bucket of sand. He started dumping the sand in the jar and it went into all of the spaces left between the rocks and the gravel. Once more he asked the question, "Is this jar full?" "No!" the class shouted. Once again he said, "Good." Then he grabbed a jug of water and began to pour it in until the jar was filled to the brim. Then he looked at the class and asked, "What is the point of this illustration?" "One student raised his hand and said, "No matter how full your schedule is, if you try really hard you can always fit some more things in it!" "No," the speaker replied, "that's not the point. The truth this illustration teaches us is: If you don't put the big rocks in first, you'll never get them in at all." What are the 'big rocks' in your life? Your children; your loved ones; your education; your dreams; a worthy cause; teaching or mentoring others; doing things that you love; time for yourself; your health; your mate (or significant other). Remember to put these BIG ROCKS in first or you'll never get them in at all. If you sweat about the little stuff (the gravel, sand, and water) then you'll fill your life with little things you worry about that don't really matter, and you'll never have the time you need to spend on the big, important stuff (the big rocks).
- End the story with these lines...

So, tonight, or in the morning tomorrow, when you are reflecting on this short story, ask yourself this question: What are the 'big rocks' in my life? Then, put those in your jar first

UNIT 7.1.7: Anger Management

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the importance of anger management
- Describe anger management strategies
- Discuss tips for anger management

Resources to be Used

- Participant Handbook

Ask

- What is anger? Is anger good or bad?
- Is anger normal or an abnormal behaviour? How can anger harm you?
- Why is it important for entrepreneurs to manage their anger?

Say

- Talk about anger and the importance of anger management in entrepreneurs as discussed in the Participant Handbook.
- Let us do a small activity. This is an individual activity.
- Think of the incidents and situations that angered you and hurt you.

Do

- Instruct them to note down these situations under different categories (as given in the Activity).
- Give the class 3-5 minutes to think and note down their answers.
- At the end of 5 minutes, ask some participants to volunteer and present their answers.
- They can also share these situations with their fellow participants if they do not wish to share it with the entire class.

Activity

- Do you remember any incident which has hurt
 - ♦ you physically
 - ♦ you mentally
 - ♦ your career
 - ♦ your relationships.

Ask



- Do you ever get angry?
- What are the things that make you angry?
- Do you remember any incident where your anger management helped you in maintaining healthy relationship?
- Do you remember any incident where someone lost business/ friend/ relationship due to temper (anger)?

Say



- There are a few strategies which can help in controlling your anger. Let's do an activity to understand the anger management process better.
- This is an individual activity.
- Think of the incidents/ situations which trigger your anger (the cause).
- Then think what happened as a result of your anger (the effect).
- You need to come up with some techniques to manage your anger.

Do



- Give the class the anger triggers (the cause) as listed in the activity.
- Put down the activity format (Anger Triggers, Result of your Anger, Anger Management Techniques) on the board and instruct the class to write the answers under different categories.
- Give the class 3-5 minutes to think and note down their answers.
- At the end of 5 minutes, ask the participants who wish to volunteer and present their answers.

Activity



Trigger points and Anger Management Techniques Activity

Anger Triggers

List of triggers that make you angry:
Someone says you did something wrong.
You want something you can't have now.
You get caught doing something you shouldn't have been doing.
You are accused of doing something you didn't do.
You are told that you can't do something.
Someone doesn't agree with you.
Someone doesn't do what you tell him to do.
Someone unexpected happens that messes up your schedule.

Result of your anger:

--

Write the techniques that you use to manage your anger:

Anger Management Techniques

Say

- Now, let's discuss the problems and solution with all.
- The individual will first briefly describe trigger points to the class.
- Then discuss the result of the anger. Other participants are requested to remain quiet while one is making the presentation.
- Post presentation, other participants may ask questions.

Do

- Congratulate each individual for sharing their points.
- Ask the audience to applaud for them.
- Ask de-brief questions after the presentation to the class.
- Keep a check on the time. Ask the participants to wind up the activity quickly if they go beyond the given time limit.

Ask

De-brief questions:

- In the situation described by the presenter, who was at fault?
- How could you have handled this situation alternatively?

Summarize

- Close the discussion by summarizing the strategies and tips of anger management for entrepreneurs.
- Ask the participants what have they learnt from this exercise/ activity.
- Ask if they have any questions related to what they have talked about so far.

Notes for Facilitation

- Encourage the participants to share information about them while presenting the situations to the class.
- Keep the format of the Activity prepared in a chart paper so that it can be displayed during the session.

UNIT 7.1.8: Stress Management: What is stress?

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the causes of stress
- Discuss the symptoms of stress
- Discuss tips for stress management

Resources to be Used

- Participant Handbook

Ask

- You are waiting in the reception for an interview or a very important meeting, suddenly your legs are shaky, your hands are cold, you are feeling nervous. Have you ever been in this kind of situation?
- Have you had days when you had trouble sleeping?
- Have you ever been so worried about something that you ended up with a terrible headache?

Say

- You've probably heard people say, "I'm really stressed out" or "This is making me totally stressed."

Ask

- What do you understand by stress?
- What gives you stress?
- How do you feel when you are stressed or what are the symptoms of stress?
- How can stress harm you?
- Why is it important for entrepreneurs to manage stress?

Say

- When we feel overloaded or unsure of our ability to deal with certain challenges, we feel stressed.
- Discuss about stress, causes of stress, and symptoms of stress as discussed in the Participant Handbook.
- Let's understand the causes of stress and how to deal with them with the help of some case scenarios.
- You will be given some cases.
- You have to analyse the case scenario and then find an appropriate solution to the problem.
- This will be a group activity.

Do

- Divide the class into four groups of 5- 6 participants (depending on the batch size).
- Assign one case scenario to each group.
- Instruct them to read the case carefully.
- The group is expected to analyse and discuss the case amongst them and find a solution to the given problem.

- Explain their discussion should result in getting answers for the following questions:
 - ♦ What was/ were the cause(s) of stress?
 - ♦ Was the stress avoidable or manageable under the given circumstances?
 - ♦ If yes, how do you think that the stress could be avoided (managed)?
 - ♦ If no, then why not?
- Give the class 10-12 minutes to discuss the case and note down their solutions.
- At the end of 12 minutes, the team should present their case solution to the larger group.
- Ask the group to select a group leader for their group.
- The group leader to discuss and assign roles to the group members for the presentation.

Team Activity

Case Study Analysis

Scenario 1

Akash's alarm doesn't go off and he gets late getting out of the house. He hits traffic and ends up 15 minutes late to work, which his boss notices. He gets to his desk and finds he has to complete 2 reports in next one hour. Just when he is about to begin work, a message pops up "Telecon with the client begins in 10 minutes. Please be in the conference room in 5 minutes."

His is not prepared for the call. He is stressed. He does not want to speak to his boss about this. He is stressed, feeling uncomfortable and sick. Not in a position to attend the call or finish the reports on time.

Scenario 2

While paying his overdue bills, Rahul realised that it's the middle of the month and he has only Rs 500 left in his account. He has already asked all of his friends, and family for loans, which he hasn't paid back yet. He is still contemplating over the issue when his phone rings. His sister's birthday is due next week and she has seen a beautiful dress which she wants to buy but cannot tell the parents as it is a bit expensive. She wishes if Rahul could buy the dress for her. Rahul has promised to buy her the dress for her birthday.

Rahul is stressed, does not understand what to do. He is unable to concentrate on his work and unable to complete the tasks assigned. His team leader has already warned him of the delay.

Scenario 3

Sheela calls the cable company as she has unknown charges on her bill. She has to go through the automated voice mail menu three times and still can't get through to a customer care executive. After 15 minutes of repeated efforts, her call is answered. She explains the entire issue to the customer care executive but before the person could suggest a way out, the call drops.

Now Sheela has to call back and repeat the whole process all over again with a new customer care executive. She is very angry and calls again but cannot connect this time.

She has to leave to office so she decides to call from office and check. When she connects this time she is angry and argues with the executive on the call. All her co-workers around are looking at her as her volume has suddenly increased. She bangs the phone and ends the call.

Her co-worker Neelam enquires what has happened to her. She ignores her and just walks off. She has become irritable and her behaviour and tone with other co-workers is not acceptable.

Scenario 4

Arpit is a young entrepreneur who started doing business through Facebook few weeks back. He had always been into a job. Although Arpit has very few financial liabilities, it wasn't an easy decision to leave a comfortable job at once and look for newer pastures. Arpit's boss warned him of the consequences and the challenges of starting a business when nobody ever in his family had been in business.

He has not been able to get a good deal till now. This is an important life shift for him which comes with unknown variables. Arpit is nervous and is wondering if he has what it takes to fulfill the requirement of his new role, or the new experiences he's likely to face.

Ask**De-brief questions:**

- What was/were the cause(s) of stress?
- Was the stress avoidable or manageable under the given circumstances?
- If yes, how do you think that the stress could be avoided (managed)?
- If no, then why not?

Say

- Now, let's discuss the problem and solution with the larger group.
- The group will first briefly describe the case to the class.
- Then discuss the issue identified and the proposed solution.
- Post presentation, the other groups may ask questions to the group that has presented.

Do

- Congratulate each group for sharing their points.
- Ask the audience to applaud for them.
- Ask de-brief questions to cull out the information from each group.
- Keep a check on time. Tell participants to wind up the discussion quickly if they go beyond the given time limit.

Say

- While it is common and normal to feel some tension. This feeling nervous and tensed can interfere with your thinking process and can have a negative impact on your performance.
- Stress can deplete the most vibrant of souls. It can have a negative effect on every aspect of a person's life including their health, emotional well-being, relationships, and career. However, one needs to understand the causes and types of stress before looking for ways to manage it.

De-brief:**Scenario 1**

The cause of stress was lack of time management and the habit of procrastinating. If Akash would have managed his time well, planned alternate ways to get up on time, finished prior tasks on time and planned for client meetings in advance then he wouldn't have faced stress.

Scenario 2

The cause of stress was lack of financial planning. Rahul should have planned his financial resources well in advance and saved some money for the rainy day. Also, differentiating between needs and wants and keeping a check on non-essential expenditure would have saved Rahul from this situation.

Scenario 3

Sometimes, stress is caused due to external factors instead of internal ones. In this case, the stress was unavoidable because we have no control over this customer care system. Every time, you will get in touch with a new executive and will have to explain all over again. This might cause stress but despite being frustrated and angry there is little that we can do about it. All Sheela could do was to find ways to calm herself down through some breathing exercises and meditation, reading some good book or listening to music and then start afresh.

Scenario 4

A positive, major life change can be a source of good stress. Regardless of how good the change is, it can be stressful. Stress caused by a positive and major life change can be beneficial because it causes a person to step out of their comfort zone and learn new skills. Here, Arpit may become a successful entrepreneur or learn new ways to do things differently.

Now let us see this scenario, can I have a volunteer to read out this case to the class.

Do 

- Ask one of the participant who can volunteer and read out this scenario to the class.

Scenario 5

Rakesh lives in Kathmandu with his wife and two beautiful daughters Sarah and Sanya. Nepal was hit by a massive earthquake and Rakesh's building collapsed during the earthquake. During evacuation, Rakesh realised that though his wife and Sarah were fine and suffered only minor bruises, Sanya was nowhere in the scene. Panic stricken, he started calling her name and searching her frantically. A little later, he heard a meek voice from beneath the debris. He quickly removed the rubble to find a huge bed. Rakesh was pretty sure that Sanya was trapped underneath. Though he was badly bruised, he gathered all his courage and with all his might, he lifted the several-ton bed to save Sanya's life. Everyone was relieved to see Sanya alive and also extremely surprised to see this father's ability to access superhuman strength.

- Ask the audience to applaud for the participant after the scenario is read completely.
- Discuss the scenario, ask de-brief questions:
 - ♦ What kind of stress was Rakesh undergoing in this case?
 - ♦ Was the stress avoidable or manageable under the given circumstances?
 - ♦ What was the result of the stress?

Say **De-brief:**

- Not all stress is harmful; good stress is actually energizing. This was a case of lifesaving stress, or hero stress, which is an important example of good stress. You may have heard stories in which a person performs an impossible feat of physical strength in order to save their life or the life of someone they love. This type of stress causing a surge of adrenaline is good for us.

Summarize

- Close the discussion by summarizing the tips to manage stress as given in the Participant Handbook.
- Ask the participants what they have learnt from this exercise/ activity.
- Ask if they have any questions related to what they have talked about so far.

Notes for Facilitation

- Keep printed copies of the activities/ scenarios ready for the session.
- Put down the de-brief questions on a flip chart so that it can be displayed in the class during the activity.
- Encourage participation and make the discussions interactive.

UNIT 7.2: Digital Literacy: A Recap

Key Learning Outcomes



At the end of this unit, participants will be able to:

1. Identify the basic parts of a computer
2. Identify the basic parts of a keyboard
3. Recall basic computer terminology
4. Recall the functions of basic computer keys
5. Discuss the main applications of MS Office
6. Discuss the benefits of Microsoft Outlook
7. Identify different types of e-commerce
8. List the benefits of e-commerce for retailers and customers
9. Discuss Digital India campaign will help boost e-commerce in India
10. Describe how you will sell a product or service on an e-commerce platform

UNIT 7.2.1: Computer and Internet Basics: Basic Parts of a Computer

Unit Objectives

At the end of this unit, participants will be able to:

- Identify the basic parts of a computer
- Identify the basic parts of a keyboard
- Recall basic computer terminology
- Recall the functions of basic computer keys

Resources to be Used

- Participant Handbook
- Computer Systems with the required applications

Say

- Let's take a quick recap of the basic computer parts.
- Discuss 'Basic Parts of Computer' and 'Basic Parts of a Keyboard' with the class as given in the Participant Handbook.

Explain

- Explain all the parts of the computer and the keyboard by demonstrating on the real system.

Ask

- Do you know about internet?
- Have you ever used internet?
- Why do you think internet is useful?
- What was the last task you performed on internet?

Say

- Let's look at some basic internet terms.
- Discuss 'Basic Internet Terms' with the participants as given in the Participant Handbook.

Summarize

- Ask the participants what they have learnt from this exercise/ activity.
- Ask if they have any questions related to what they have talked about so far.
- Close the discussion by summarizing the importance of computer and internet for entrepreneurs.

Practical

- Conduct a practical session.
- Ask the participants to assemble in the computer lab.
- Give some hands on practice exercises.

Do

- Group the participants for the activity depending on the batch size and the number of computer systems available in the lab.
- Explain the purpose and duration of the activity.
- Ensure the participants complete the practical exercises assigned.

UNIT 7.2.2: MS Office and Email: About MS Office

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the main applications of MS Office
- Discuss the benefits of Microsoft Outlook

Resources to be Used

- Participant Handbook
- Computer Systems with MS Office

Ask

- What is the most frequent activity that you do on the computer?
- Do you know how to make presentations on the computer?

Say

- Give a brief introduction of MS Office as given in the Participant Handbook.
- Discuss the most popular office products. Explain in brief their application, benefits and working.
- **Microsoft Word** is a word processing programme that allows for the creation of documents. The programme is equipped with templates for quick formatting. There are also features that allow you to add graphics, tables, etc.
- **Microsoft Excel** is a tool for accounting and managing large sets of data. It can also simplify analysing data. It is also used to create charts based from data, and perform complex calculations. A Cell is an individual data box which will have a corresponding Column and Row heading. This gives the cell a name, referred to as the Cell Reference. There can be multiple pages in each workbook. Each page, or sheet, is called a Worksheet. When you open a new Excel file, it automatically starts you with three worksheets, but you can add more.

Explain

- Explain the working and frequently used features of Office on a real system.

Ask

- What do you know about e-mails?
- Do you have an email id?
- How often do you check your e-mails?

Say

- Communication is vital for every business. The fastest and the safest way to communicate these days are through emails. MS Outlook helps to manage your emails in a better way and also offers a host of other benefits.
- Discuss “Why Choose Microsoft Outlook?” with the participants as given in the Participant Handbook.

Do 

- Ask the participants to assemble in the computer lab.
- Explain the working of Outlook on a real system..

Demonstrate 

- Demonstrate how to create email id.
- Demonstrate how to write new mails, send mails.
- Demonstrate how to use MS Office application to create a letter and send it as attachment in an email.
- Demonstrate how to use other MS Office applications.

Practical 

- Give some hands on practice exercises
- Group the participants for the activity depending on the batch size and the number of computer systems available in the lab.
- Explain the purpose and duration of the activity.

Summarize 

- Ask the participants what they have learnt from this exercise/ activity.
- Ask if they have any questions related to what they have talked about so far.

UNIT 7.2.3: E-Commerce

Unit Objectives

At the end of this unit, participants will be able to:

- Identify different types of e-commerce
- List the benefits of e-commerce for retailers and customers
- Discuss Digital India campaign will help boost e-commerce in India
- Describe how you will sell a product or service on an e-commerce platform

Resources to be Used

- Computer System with internet connection
- Participant Handbook

Ask

- How many of you have done shopping online?
- Can you name at least five shopping websites?
- What is the product that you most frequently buy online?
- Why do you do shopping online instead of going to the market?

Say

- Give a brief introduction of “What is E-commerce”. Refer to the Participant Handbook.
- E-commerce emerged in the early 1990s, and its use has increased at a rapid rate. Today, many companies sell their products online. Everything from food, clothes, entertainment, furniture and many other items can be purchased online.

Ask

- What other types of transactions have you performed on the internet other than buying products?

Say

- Give examples of e-commerce activities from Participant Handbook.

Team Activity

E-commerce examples

- Instruct the participants to list some of the payment gateways that they have used for e-commerce activities.
- Give them 5 minutes to make this list.
- Discuss payment gateways and transaction through payment gateways.
- Conclude the discussion by mentioning how important e-commerce has become in our day to day transactions.

Say

- E-commerce activities can be classified based on the types of participants in the transaction.
- Discuss “Types of E-commerce” from the Participant Handbook.

Do

- Discuss all types of E-commerce by giving examples and names of some popular websites which use them.
- Make the discussion interactive by asking the class to share some popular e-commerce sites of each type.

Say

- E-commerce activities bring a host of benefits for both, retailers and customers.
- Discuss benefits of E-commerce from the Participant Handbook.

Explain

- The majority of the population that uses E-commerce activities lives in tier-1 and tier-2 cities. To encourage the use of digital money in tier-3 and 4 areas, PM Mr. Modi launched the “Digital India Campaign”.
- Discuss “Digital India Campaign” from the Participant Handbook.
- By Digital India project the government will deliver services via mobile connectivity and in doing so, is expected to bring the internet and broadband to remote corners of the country. This connectivity will in turn enhance e-commerce activities also. Furthermore, the Indian Government is also modernizing India Post and aims to develop it as a distribution channel for e-commerce related services.

Say

- Now let us discuss how to sell a product using E-commerce.
- Every product has to be sold on a platform on the internet. Think of it as a shop that you have to sell your product. Now this shop can be your own or shared or rented. If the shop is your own or rented there will be only your products in that shop. If the shop is shared, there will be products of multiple sellers in that shop. A common example is a departmental store which has products from multiple brands in the shop.
- Similarly, in E-commerce the shop is the website where your products are displayed. If it is your own website it will exclusively showcase your products. In this case the cost that you will incur will be:
 - ♦ Developing the website
 - ♦ Hosting the website
 - ♦ Maintenance of the website
- If you rent a website it will also showcase your own products but the development, hosting and maintenance parts goes to the owner. This saves time and the cost to manage these activities.
- Smaller companies usually go for renting a website and the bigger ones develop their own website.
- The concept of shared platforms has become very popular in recent times. In this platform the sellers have to register and then they can sell their goods on a common platform. Among the most popular of these are Amazon, Myntra, Flipkart, etc.

Role Play

- Tell the participants to choose a product or service that they want to sell online.
- Tell them to write a brief note explaining how they will use existing e-commerce platforms, or create a new e-commerce platform to sell their product or service.

Ask

- How much money are you carrying in your wallet?
- Do you have a credit/debit card?
- How do you make payments while doing online shopping?

Say

- Demonetization has made carrying cash in the wallet very difficult. People either shop through cards or some other form of digital money.
- So what do you think is digital money?
- In this form the money is both paid and received digitally. There is no hard cash involved. It is an instant and convenient way to make payments.
- There are various types of digital payments. Let us discuss some of them in brief here.
- The first one is the most commonly used system i.e. the cards. Debit card, credit card, prepaid card, all fall under this category.
- Then is the e-wallet or the mobile wallet. This has become the most used form of digital money after demonetization. Examples are Paytm, state bank buddy, Freecharge, etc.
- Many other forms of digital money are also coming up in market like mobile apps, Aadhar card based payment, etc.

Do

- Demonstrate how to make and receive payments through digital models like Paytm and state bank buddy.

Ask

- Why do you think people have started using digital money instead of hard cash? Is demonetization the only reason?

Say

- Digital money gives a lot of advantages over the conventional hard cash. Some of them are:
 - ♦ Digital payments are easy and convenient. You do not need to take loads of cash with you, a mobile phone or a card will suffice.
 - ♦ With digital payment modes, you can pay from anywhere anytime.
 - ♦ Digital payments have less risk.

Summarize

- Ask the participants what they have learnt from this exercise/ activity.
- Ask if they have any questions related to what they have talked about so far.
- Close the discussion by summarizing the importance of e-commerce and digital money.

UNIT 7.3: Money Matters

Key Learning Outcomes



At the end of this unit, participants will be able to:

1. Discuss the importance of saving money
2. Discuss the benefits of saving money
3. Discuss the main types of bank accounts
4. Describe the process of opening a bank account
5. Differentiate between fixed and variable costs
6. Describe the main types of investment options
7. Describe the different types of insurance products
8. Describe the different types of taxes
9. Discuss the uses of online banking
10. Discuss the main types of electronic funds transfer

UNIT 7.3.1: Personal Finance – Why to Save?

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the importance of saving money
- Discuss the benefits of saving money

Resources to be Used

- Participant Handbook

Ask

- How many of you save money?
- Why do you feel the need to save it?
- Do you plan your savings?
- Where do you keep the money you save?
- How do you use the money that you have saved?

Example

- Let's look at these two examples:

Example 1:

Suhani works in a good company and earns Rs.30, 000 month. She always saves 5000 per month and keeps it aside as a personal saving. She keeps the money at home and has saved quite a lot. One day her mother has a medical emergency and has to be taken to the hospital. Her family is worried about the amount they have to spend for the treatment. It will cost them atleast 40,000.

Suhani says tells her family not to worry and that she has about 50,000, which she has saved over the months.

Example 2:

Jasmeet works in the same company and earns the same as Suhani. She is very fond of shopping and spends most of her money on buying new clothes. At the end of the month, she is always asking her father for money as her pay is finished.

Ask

- Who do you identify with –Suhani or Jasmeet ?
- How do you think Suhani manages to save money which Jasmeet is unable to do?

Say

- We should always set aside some and save some money from our monthly pay. The future is unpredictable. Saving money not only gives you a sense of financial security but it can be used in case of emergencies. Discuss “Importance of Saving” with the participants as given in the Participant Handbook.

Ask

- What are the benefits of saving money?
- What does being financially independent mean to you?

Say

- Discuss “Benefits of Saving” with the participants as given in the Participant Handbook.
- Now let us continue with Suhani's story. Suhani has told her family not to worry and that she has about 50,000, which she has saved over the months. The family is happy about Suhani's decision of saving money, which will be of great help for them now.

Suhani is going to the hospital today to pay the first instalment for the treatment. Suddenly finds only 35,000 in her cash box when she counts and does not remember using it. She has not kept any record and now she is upset.

Ask

- Was it a good decision by Suhani to save a part of her earnings every month?
- Was it a wise decision to keep all her savings as cash in a cash box?
- Could she have managed to save money in a better and more effective manner?
- Do you want to learn how to save money and use it effectively?

Say

- Let's learn personal saving with the help of a group activity.

Team Activity**Personal Finance- Why to save**

- This activity has two parts:

PART 1**WAYS TO SAVE MONEY**

- You are earning 30,000/- per month. You have recently changed your job and have to move to a metropolitan city. You are now living as a paying guest paying 10,000/- per month. Your other estimated expenditures like travel, food, recreation would be around Rs. 17, 000 per month.
- Make a list of different ways to save money.

PART 2**HOW WILL YOU USE THE MONEY**

- After a year how much have you been able to save?
- How will you use the money that you have saved?

Do 

- Divide the class into groups of four.
- Instruct the participants to think and prepare a list of the various ways they can save money.
- Give the participants 10 minutes to prepare the list.
- Once done, instruct them to think of how they could use the money they have saved.
- Give the participants 10 minutes to prepare the list.
- Keep a check on time. Tell the group to wind up quickly if they go beyond the given time limit.

Activity De-brief

- What were the different ways you could save money?
- How much money were you able to save?
- How will you use the money you have saved in one year?

Say 

- Discuss the importance of personal finance and why it is important to save money.

Summarize **You can summarize the session by discussing:**

- The importance of saving money.
- Ways to save money.
- How the money saved can be used for different purposes.

UNIT 7.3.2: Types of Bank Accounts, Opening a Bank Account

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the main types of bank accounts
- Describe the process of opening a bank account

Resources to be Used

- Account opening sample forms
- Participant Handbook

Ask

- How many of you save money?
- Where do you keep the money you save?
- How many of you have a bank account?
- What type of account do you have?

Example

- Let's look at the given example:

Reena is in the third year of college but in the evening she gives tuitions for children living in her colony. She earns 15,000/- per month. As her students stay in different parts of the city, she has to walk a lot. To save time, she decides to buy a second hand scooter for herself. But she has to save money for it. Her class mate advises her to open a recurring deposit account in the bank.

She goes to the bank close to her home. The personal manager gives her some forms to fill. She is confused as she has never done this before. Her elder sister has an account in the same bank. She asks for help from her sister. She goes to the bank the next day with her sister. The personal banker gives her a list of documents that she will need to submit with the form for opening an account. The banker advises her to open a 6 months recurring deposit.

Ask

- Do you try to save money monthly but have to spend it on unforeseen expenditure?
- Have you ever thought of depositing your savings in a bank?

Say

- Before opening a bank account, you need to know the types of accounts we have in India.
- Discuss “Types of Bank Accounts” with the participants as given in the Participant Handbook.

Ask

- Can someone say what are the different types of bank accounts?

Say

- Let's learn about the different types of bank accounts through an activity.

Team Activity

- Divide the class in four groups.
- Label the groups as savings account, current account, recurring account and fixed deposit.
- On a chart paper, ask them to write the key points of their account.

Activity De-brief

- Ask each group to present the key points of their account.

Say

- Now that you know about the four different types of accounts, let's learn how to open a bank account.
- Discuss "Opening a Bank Account" with the participants as given in the Participant Handbook.
- Discuss "Tips" that the participants should keep in mind while opening a bank account as given in the Participant Handbook.

Ask

- What are the main documents required for opening a bank account?
- What are some important points to ask the bank personnel while opening an account?

Say

- Mention officially valid KYC documents (refer to the Participant Handbook)
- Now, let's understand the procedure of opening a bank account through an activity.

Team Activity

Opening a Bank Account

- This activity is done in groups.
- Divide the class in groups of four or six.

PART 1

FILLING A BANK ACCOUNT OPENING FORM

- You have to fill a bank opening form.
- You can refer to the section "Opening a Bank Account" of your Handbook for reference.
- List all the steps that you will be required to fill in the form.
- List the documents that you need for filling the form.
- Now fill in the form.

Activity De-brief

How did you design the form?

- What all details did you fill in the form?
- What were your KYC documents?
- How would this activity help you in future?

Do 

- Instruct the participants to read the section "Opening a Bank Account" of the Participant Handbook.
- Give each group one sample account opening form.
- Give the participants 5 minutes to read the form.
- Give them 15 minutes to fill it.
- Assist them by explaining each category and how to fill it.
- Keep a check on time.
- Tell the group to wind up quickly if they go beyond the given time limit.

Summarize **Note:**

- You can summarize the unit through a role play.
 - ♦ A person wanting to open an account in the bank.
 - ♦ What is the procedure that he will go through?
 - ♦ Discuss the key points of different types of bank accounts.
 - ♦ How to select the type of account
 - ♦ How to fill the account opening form.
- A sample account opening form is given in the following page for reference. Use it for the activity in the class.

Sample Bank Account Opening form.

Photograph	XXX Bank		
SAVING BANK ACCOUNT OPENING FORM			
Account No.: _____		Date: _____	
Name of the Branch			
Village/Town			
Sub District / Block Name			
District			
State			
SSA Code / Ward No.			
Village Code / Town Code	Name of Village / Town		
Applicant Details:			
Full Name	Mr./Mrs./Ms.	First	Middle
Last Name			
Marital Status			
Name of Spouse/Father			
Name of Mother			
Address			
Pin Code			
Tel No. Mobile		Date of Birth	
Aadhaar No.		Pan No.	
MNREGA Job Card No.			
Occupation/Profession			
Annual Income			
No. of Dependents			

Detail of Assets	Owning House : Y/N	Owning Farm :
	Y/N	
	No. of Animals :	Any other :
Existing Bank A/c. of family members / household	Y / N	If yes, No. of A/cs. _____
Kisan Credit Card	Whether Eligible Y / N	

I request you to issue me a **Rupay Card**.

I also understand that I am eligible for an Overdraft after satisfactory operation of my account after 6 months of opening my account for meeting my emergency/ family needs subject to the condition that only one member from the household will be eligible for overdraft facility. I shall abide by the terms and conditions stipulated by the Bank in this regard.

Declaration:

I hereby apply for opening of a Bank Account. I declare that the information provided by me in this application form is true and correct. The terms and conditions applicable have been read over and explained to me and have understood the same. I shall abide by all the terms and conditions as may be in force from time to time. I declare that I have not availed any Overdraft or Credit facility from any other bank.

Place:

Date:

Signature / LTI of Applicant

Nomination:

I want to nominate as under				
Name of Nominee	Relationship	Age	Date of Birth in case of minor	Person authorised in case to receive the amount of deposit on behalf of the nominee in the event of my /minor(s) death.

Place:

Date:

Signature / LTI of Applicant

Witness(es)*

1. _____

2. _____

*Witness is requires only for thumb impression and not for signature

UNIT 7.3.3: Costs: Fixed vs. Variables: What are Fixed and Variable Costs?

Unit Objectives

At the end of this unit, participants will be able to:

- Differentiate between fixed and variable costs

Resources to be Used

- Participant Handbook
- Blank sheets of paper
- Pens

Ask

- What is cost?
- Will a telephone bill fall under the category of a fixed or variable cost?

Say

- Discuss: Fixed and Variable cost with examples. Let us do a small activity.

Team Activity

Identify the type of cost

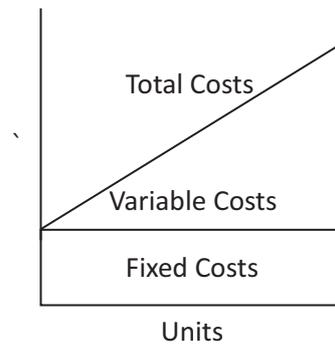
1. Rent
2. Telephone bill
3. Electricity bill
4. Machinery
5. Insurance
6. Office supplies/ Raw materials
7. Employee salaries
8. Commission percentage given to sales person for every unit sold
9. Credit card fees
10. Vendor bills

Do

- Divide the class into two groups. Read out the list of costs given in the activity.
- Read out each item from the cost list and ask the groups in turns to identify whether it is a fixed or variable cost.

Say 

- We saw that your utility bills like rent, electricity, telephone etc. are all fixed costs because you have to pay it every month.
- Variable costs is an expense which varies with production output or volume. For example commission, raw material etc.
- Discuss “Cost: Fixed vs. variables” with the participants as given in the Participant Handbook.
- Illustrate the relation between the costs with a graph.



- Let's learn the difference between fixed and variable cost with the help of an activity.

Team Activity **Fixed vs. Variable Costs**

- This is a group activity.
- You want to start your own entrepreneur business.
- State the type of business you want to start.
- List down all the cost or requirements for your business.
- How will you differentiate between the fixed and variable cost.

Activity De-brief

- What is the total cost of your business?
- What are the fixed costs?
- What are the variable costs?
- How did you differentiate between the fixed and variable costs?

Do 

- Instruct the participants that this is group work.
- Divide the class into small groups of 4 or 6.
- Give each group a sheet of paper.
- Tell the participants that they have to start their own entrepreneur business.
- Ask them the type of business they want to start.
- Instruct them to differentiate between the fixed and the variable costs of the business they want to start.
- Give the participants 15 minutes to discuss and write.
- Keep a check on time. Tell the group to wind up quickly if they go beyond the given time limit.

Summarize

- Note: You can summarize the unit either by having a role play between a consultant and a budding entrepreneur explaining the differences between fixed and variable costs or by discussing the key points of the unit.

Notes for Facilitation

- Answers for the activity - Identify the type of cost

1. Rent	(Fixed)
2. Telephone bill	(Fixed)
3. Electricity bill	(Fixed)
4. Machinery	(Fixed)
5. Insurance	(Fixed)
6. Office supplies/Raw materials	(Variable)
7. Employee salaries	(Fixed)
8. Commission percentage given to sales person for every unit sold	(Variable)
9. Credit card fees	(Variable)
10. Vendor bills	(Variable)

UNIT 7.3.4: Investments, Insurance and Taxes

Unit Objectives

At the end of this unit, participants will be able to:

- Describe the main types of investment options
- Describe the different types of insurance products
- Describe the different types of taxes

Resources to be Used

- Participant Handbook

Ask

- Ask the participants- “What do you see first thing in when you get your mobile bill? Apart from the amount and due date do you have a look at the taxes you are being billed for?”
- Why do you think people get their cars insured or have a medical insurance?
- You have saved money and want to invest it, how would you decide what is the best investment for your money?

Example

- Let's have a look at a few scenarios.

Ranbir has sold his house and deposited the money in his bank. His Chartered Accountant tells him that he will have to re-invest the money otherwise he will have to pay capital tax. What is capital tax and how is it different from income tax?

Jasmeet and Anup are blessed with a baby girl. They decide to have an insurance policy that will mature when their daughter is ready to higher education.

Shivani is working in a corporate office and getting good pay. She will have to pay income tax so she decides to invest her money in tax saving schemes. She goes to the bank manager to discuss the best products in which she can invest.

Say

- Discuss the Investment, Insurance and Taxes as given in the Participant Handbook.

Ask

- How do investments, insurances and taxes differ from each other?

Say

- Let's learn the differences between the three by having an activity.

Say

- We will have a quiz today.

Team Activity

- The activity is a quiz.

Do

- Divide the class into groups of three and give a name to each group
- Explain the rules of the quiz. For each correct answer the group gets 1 mark. If the group is unable to answer the question is rolled over to the next group.
- Explain the purpose and duration of the activity.
- On the blackboard write the names of the groups.
- Ask the questions of the quiz.
- Keep a score for the groups.
- Set guidelines pertaining to discipline and expected tasks.

Summarize

- Summarize the unit by discussing the key points and answering question

Notes for Facilitation

Questions for the quiz

1. What are bonds?
Bonds are instruments used by public and private companies to raise large sums of money.
2. Who issues the bonds?
Private and public companies issue the bonds.
3. Why are bonds issued?
To raise large amount of money as it cannot be borrowed from the bank.
4. Who is the buyer of stocks and equities?
The general public is the buyer.
5. What types of scheme is the Sukanya Samriddhi Scheme?
Small Saving Scheme
6. What is the difference between mutual and hedge funds?
Mutual funds are professionally managed financial instruments that invest the money in different securities on behalf of investors. Hedge funds invest in both financial derivatives and/or publicly traded securities.
7. Why is a loan taken from the bank to purchase real estate?
To lease or sell to make profit on appreciated property price.
8. Name the two types of insurances?
Life Insurance and Non-life or general insurance
9. Which insurance product offers financial protection for 15-20 years?
Term Insurance
10. What is the benefit of taking an endowment policy?
It offers the dual benefit of investment and insurance.
11. Mr. Das gets monthly return on one of his insurance policies. Name the policy?
Money Back Life Insurance
12. What are the two benefits of a Whole Life Insurance?
It offers the dual benefit of investment and insurance
13. Which policy covers loss or damage of goods during transit?

Marine Insurance

14. After what duration is the income tax levied?

One financial year

15. What is long term capital gain tax?

It is the tax payable for investments held for more than 36 months.

16. Name the tax that is added while buying shares?

Securities Transaction Tax

17. What is the source of corporate tax?

The revenue earned by a company.

18. Name the tax whose amount is decided by the state?

VAT or Value Added Tax

19. You have bought a T.V. What tax will you pay?

Sales Tax

20. What is the difference between custom duty and OCTROI?

*Custom duty is the charges payable when importing or purchasing goods from another country.
OCTROI is levied on goods that cross borders within India.*

UNIT 7.3.5: Online Banking, NEFT, RTGS, etc.

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the uses of online banking
- Discuss the main types of electronic funds transfer

Resources to be Used

- Participant Handbook
- Computer System with internet connection
- Debit card

Ask

- When was the last time you visited a bank?
- How do you pay your bill for electricity and telephone?
- Have you ever tried to transfer money from one bank account to another bank account using the online banking facility?

Say

- Most of us lead a busy life. Time has become more important than money. In this busy schedule no one has time to stand in bank queues. That's where Online Banking comes in. Online banking or internet banking means accessing your bank account and carrying out financial transactions through the internet.
- Discuss "What is online banking?" from the Participant Handbook.
- There are various advantages of online banking:
 - ♦ It saves time, as you need to visit the branch. .
 - ♦ You can conduct your banking transactions safely and securely without leaving the comfort of your home.
 - ♦ Online Banking also gives you round the clock access.
 - ♦ Online Banking makes it possible for you to pay your bills electronically.

Do 

- Show them how they can use the internet banking.
- Use the computer system and show the demo videos on how to use internet banking provided on most banking sites. the computer system.
- Tell the class the various features of online banking:
 - ♦ Through their website set-up your online account.
 - ♦ Choose a secure username and password.
 - ♦ Set-up your contact information.
 - ♦ Once your information is verified, you are good to go.
 - ♦ Once you enter the portal explore all the features and learn your way through the portal.
- Discuss about maintaining the security of the online account.

Say 

- One of the biggest advantage that online banking offers, as discussed earlier, is transferring money from one account to another. This transaction is called electronic funds transfer. Electronic transfers are processed immediately with the transferred amount being deducted from one account and credited to the other in real time, thus saving time and effort involved in physically transferring a sum of money.
- Discuss “Electronic Funds Transfer” from the Participant Handbook.

Do 

- Discuss how to transfer money from one account to another using online banking (NEFT/ RTGS, etc.).
- Illustrate with an example.

Summarize 

- Close the discussion by summarizing the about online banking.
- Ask the participants if they have any questions related to what they have talked about so far.

UNIT 7.4: Preparing for Employment & Self Employment

Key Learning Outcomes



At the end of this unit, participants will be able to:

1. Discuss the steps to follow to prepare for an interview
2. Discuss the steps to create an effective Resume
3. Discuss the most frequently asked interview questions
4. Discuss how to answer the most frequently asked interview questions
5. Identify basic workplace terminology

UNIT 7.4.1: Interview Preparation: How to Prepare for an Interview?

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the steps to follow to prepare for an interview

Resources to be Used

- Participant Handbook

Ask

- Have you ever attended an interview?
- How did you prepare before going for an interview?

Say

- An interview is a conversation between two or more people (the interviewer(s) and interviewee) where questions are asked by the interviewer to obtain information from the interviewee.
- It provides the employer with an opportunity to gather sufficient information about a candidate and help them select the ideal candidate.
- It also provides the interviewee with an opportunity to present their true potential to the employer, build confidence and help make a decision about the job by asking questions regarding designation, salary, perks, benefits, promotions, transfers, etc.
- Let's do an activity to understand how to prepare for interviews better.

Activity 1

- Introducing Yourself

Do

- Select a participant and ask him/her to answer the following questions: "What can you tell me about yourself?"
- Give the participant at least one minute to speak.
- Once he/she is done, ask the rest of the participant what they gathered about the participant who was providing information.
- Now repeat the exercise with five other participants.

Ask

- What information you should include when you are describing or introducing yourself in an interview?
- What information you should not include when you are describing or introducing yourself in an interview?

Say

- Tell the participants that when an interviewer asks you to say something about yourself, he/she is not asking you to present your life history.
- Introduction should be short and crisp, and should present you in a positive light. It should include the following points:
 - ♦ Any work experience that you might have
 - ♦ A brief summary of your educational qualifications
 - ♦ Your strengths and achievements
 - ♦ Any special projects that you might have been part of
- The following topics should be avoided during an introduction:
 - ♦ Detailed description of your family (unless you are specifically asked to do so)
 - ♦ Too much information about your weaknesses
 - ♦ Information that is not true

Do

- Congratulate each participant for sharing their points.
- Ask the audience to applaud for them.
- Ask de-brief questions to cull out the information from each group.
- Keep a check on time.

Activity 2

- Planning the right attire

Do

- Describe 2 individuals to the participants. One is wearing a casual t-shirt, jeans, and slippers. He has not combed his hair and neither has he trimmed or shaved his beard. The other individual is dressed formally with a shirt and pant, and is well-groomed. He has also worn formal shoes and a belt. Ask the participants which person would they prefer to hire in their organization and why?

Summarize

- Close the discussion by discussing 'how to prepare for an interview' as discussed in the Participant Handbook.
- You can add the following points to it:
 - ♦ Tell the participants to create a positive and good impression in an interview. It is important for them to prepare for an interview beforehand.
 - ♦ The interviewer analyses not only your technical knowledge in relation to the job, but also whether or not you are a fit for the organization.
 - ♦ Every employer looks at the whole package and not just one or two things in isolation. Therefore, the way you dress and the way you present yourself is also important along with your skills and talents.
 - ♦ The participants will get only one chance to create a good first impression.

UNIT 7.4.2: Preparing an Effective Resume: How to Create an Effective Resume?

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the steps to create an effective Resume

Resources to be Used

- Participant Handbook
- Blank papers
- Pens

Ask

- When preparing for an interview, what are the most important things that you need to do?
- What documents do you carry with you, when you go for an interview?
- What is a resume?
- Why do you need a resume?

Say

- Resume is not just a sheet of paper with your qualifications printed on it.
- It is a selling tool that will help the employer to see how and what you can contribute for company.
- Talk about the steps involved in creating an effective/attractive resumes discussed in the Participant Handbook.
- Now let's prepare a resume to understand the process in a better way.

Do

- This is an individual activity.
- Give the details of the activity.
- Instruct them to read the activity carefully.
- The participant is expected to make an attractive resume based on the information provided.
- Give the class 25-30 minutes to study the case and create a resume.
- At the end of 30 minutes, the participants should exchange the resume with the person sitting next to him or her.
- Every participant will evaluate the resume prepared with their fellow participants.

Say

- Do you think the candidate should apply for the job posting described in the advertisement?
- We have already discussed the steps involved in creating an effective/attractive resumes.
- Now let's prepare a resume for the candidate details given in the activity.

Activity

Case Study Analysis

- In the first section of the activity, you are being given the information about a candidate who is applying for a particular job.
- In the second section, you are being given the detailed description of the job posting. Create a resume for the candidate to apply for the job posting.
- Use the information that has been provided about the candidate to create this resume.

Candidate Details

Nipesh Singla was born on 20th April, 1988 in Chandigarh, India. He currently resides at 1XX7, Sector XX D, Chandigarh –160018. His mobile number is 988XXXXX01, and e-mail address is nxxxxxxxla@gmail.com. Nipesh attended middle and senior school at Government Boys Senior Secondary School, Sector 15, Chandigarh. He has been a very talented boy since school. He was fond of painting and watching old Hindi movies. As part of a school charity programme, he volunteered at the children's hospital during his senior years.

In July 2007, he joined Westwood School of Hotel Management, Zirakpur to pursue a diploma course in Hotel Management and Catering. After completing this course, he joined XYZ Group of Hotels as a Housekeeping intern in June 2010 for six months. In this role, he was responsible for cleanliness and maintenance of one floor in the hotel. Taking advantage of his strong interpersonal skills, he also got opportunities to make housekeeping arrangements for corporate meetings. While pursuing education, he gained working knowledge of Microsoft Word, Excel, Access and PowerPoint.

Nipesh is detail-oriented, flexible and adaptable. He has successfully worked with a diverse work force. He gelled well with his peers, both in college and during his internship. After completing the internship, his objective has been to find a job opportunity where he can use his skills and experience. Backed by

Job Posting

* Do you see yourself as a HOUSEKEEPING SUPERVISOR?

What's your passion? Whether you're into cricket, reading or hiking, at IHG we are interested in YOU. At IHG, we employ people who apply the same amount of care and passion to their jobs as they do in their hobbies - people who put our guests at the heart of everything they do. And we're looking for more people like this to join our friendly and professional team.

THE LOCATION:

At the moment, we are looking for HOUSEKEEPING SUPERVISOR to join our youthful and dynamic team at Holiday Inn Amritsar, Ranjit Avenue in Amritsar, Punjab (India). Holiday Inn Amritsar is ideally located in Amritsar's commercial district on Ranjit Avenue with the world famous Golden Temple located only a short distance away. Sparkling chandeliers mark an incomparable arrival experience as you escape to the welcoming environment that is, Holiday Inn Amritsar. The fresh international brand to celebrate and explore Amritsar.

Salary: Negotiable

Industry: Travel / Hotels / Restaurants / Airlines / Railways

Functional Area: Hotels, Restaurants

Role Category: Housekeeping

Role: Housekeeping Executive/Assistant.

Desired Candidate Profile

Friendly, pleasant personality, Service - oriented.

You should ideally be Graduate/ Diploma holder in HM and at least 2 years of experience as a supervisor in good brand with good communication skills, English is a must.

In return we'll give you a competitive financial and benefits package. Hotel discounts worldwide are available as well as access to wide variety of discount schemes and the chance to work with a great team of people.

Most importantly, we'll give you the room to be yourself.

*Please get in touch and tell us how you could bring your individual skills to IHG.

Education-

UG: Any Graduate/ Diploma holder

PG: Post Graduation Not Required

Say

- Now, let's share the resume with the fellow participant sitting next to you and evaluate each other's effort.

Do

- Congratulate each participant for making their first attempt towards creating an effective resume.
- As a follow up activity, you can suggest them to prepare their own resume and show it to you the next day.

Summarize

- Close the discussion by showing some effective resume samples to the candidates.
- Ask the participants what they have learnt from this activity.
- Ask if they have any questions related to what they have talked about so far.

Notes for Facilitation

- Keep printed copies of the activity ready for the session.
- Put down the suggested format of the resume on the board while explaining the steps in preparing a resume.
- Do check the participants' resume and suggest necessary changes.
- Suggested example for the case presented:

Nipesh Singla

#1XX7, Sector XX-D

Chandigarh-160018

Mobile No: 91-988XXXXX01

E-mail: nxxxxxxxxla@gmail.com

Objective: Seeking an opportunity to use my interpersonal skills and experience to contribute to your company's growth, profitability and objectives.

Professional strengths:

- Proficient in housekeeping
- Experienced in and capable of working with a diverse work force
- Team player and friendly in nature
- Successful working in a multi-cultural environment

- Detail oriented, flexible, and adaptable
- Knowledge of Microsoft Word, Excel, Access and PowerPoint

Educational background:

- Diploma in Hotel Management and Catering, Westwood School of Hotel Management, Zirakpur
- High School, Government Boys Senior Secondary School, Sector 15, Chandigarh

Professional internships:

- Housekeeping Intern, XYZ Group of Hotels, New Delhi (June 2010 – August 2010)
 - ♦ Responsible for cleanliness and maintenance of one floor in the hotel.
 - ♦ Got opportunities to make housekeeping arrangements for corporate meetings.

Volunteer Work:

- Student volunteer at children's hospital in Chandigarh.

Nipesh Singla

UNIT 7.4.3: Interview FAQs

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the most frequently asked interview questions
- Discuss how to answer the most frequently asked interview questions

Resources to be Used

- Participant Handbook

Say

- Tell the participants you will provide them with interview situation and questions and they have to try to answer them.
- Tell them you will also explain the different ways to approach these questions.

Do

- Divide the class in pairs and ask the participants to perform a role play.
- One partner will play the role of the interviewer while the other will play the role of the interviewee.
- Tell them the interviewer can start the interview by asking the interviewee to introduce himself/herself.
- Call all the pairs one by one in front of the class to enact the role play.
- Follow the same pattern for all other situations.
- Time allotted for each situation is 8-10 minutes.
- Congratulate each participant for giving their input.
- Ask the class to applaud each time a team has completed their role play.
- Keep a check on time.

Role Play

Conduct a role play for the situation given.

Situation 1

- The interviewer will start by asking the interviewee a few generic questions such as:
 - ♦ What is your name?
 - ♦ Tell me something about yourself?
 - ♦ Can you tell me something about your family?
- Then, the interviewer will bluntly ask the following questions:
 - ♦ How do you explain this huge time gap in your resume?
 - ♦ What is the reason for this?
 - ♦ Weren't you looking for a job or is it that no one selected you?

Say

De-brief:

- When you put information on your resume, you should be prepared to answer any questions about it.
- Be present and focused on the questions being asked to you.
- One way of tackling the blunt questions is to tell the interviewer you did not come across an opportunity where you were sufficiently satisfied with both the remuneration offered as well as the profile. Therefore, you waited for the right opportunity to come along while looking for an ideal job.

Role Play

Conduct a role play for the situation given.

Role Play – Situation 2

- The interviewer will start by asking the interviewee a few generic questions such as:
 - ♦ What is your name?
 - ♦ Tell me something about yourself?
 - ♦ Can you tell me something about your family?
- Then, at the end of the interview, ask the interviewee:
 - ♦ There are over 200 people who have applied for this job, some with excellent work experience. Why should I hire you?

Say

De-brief:

- There is nothing wrong with stating your strengths and achievements. However, do not come across as arrogant or too boastful.
- You need show the interviewee that you have unique skills or talents to contribute to the company. The interviewer needs to know how you stand apart from the rest of the crowd.
- Tell the interviewer you are looking forward to working with the company and that you are a hard-working individual.

Role Play

Conduct a role play for the situation given.

Role Play – Situation 3

- The interviewer will start by asking the interviewee a few generic questions such as:
 - ♦ What is your name?
 - ♦ Tell me something about yourself?
 - ♦ Can you tell me something about your family?
- Then, lean forward, clasp your hands on the table and in a soft voice ask the interviewee:
 - ♦ Did you ever experience any neglect or disregard from your previous office? In other words, did you ever suffer because your office or team displayed favouritism?

Say

De-brief:

- Keep this in mind: Do not criticize anyone during an interview.
- You are free to express your opinion, however, your language, answers, body language, and the tone of your voice should remain constructive and neutral.
- Since criticism will show you in negative light, you should keep your answers honest yet diplomatic.
- You can tackle such questions by saying, “I got along well with most of my faculty and peers.”

Role Play

Conduct a role play for the situation given.

Role Play – Situation 4

- The interviewer will start by asking the interviewee a few generic questions such as:
 - ♦ What is your name?
 - ♦ Tell me something about yourself?
 - ♦ Can you tell me something about your family?
- Then very bluntly ask the interviewee:
 - ♦ How long do you plan to stay with this company if you are selected?
- After the candidate responds, ask sarcastically:
 - ♦ Do you seriously mean that?

Say

De-brief:

- Don't provide unreal and idealistic answers.
- Your answers should be honest yet diplomatic. In a situation like this, the interviewer does not expect you to provide a specific timeline.
- You can say something like, “I would like to stay with the company as long as I can contribute constructively and develop as an employee, within the organization, professionally and financially.”

Role Play

Conduct a role play for the situation given.

Role Play – Situation 5

- The interviewer will start by asking the interviewee a few generic questions such as:
 - ♦ What is your name?
 - ♦ Tell me something about yourself?
 - ♦ Can you tell me something about your family?
- Ask him/her how important he/she thinks it is to be punctual in the corporate world.
- After he/she answers, look up sternly at the interviewee and in a crisp voice, say:
 - ♦ You were late for this interview by 10 minutes. That surely does not seem to be in line with what you just said?

Say

De-brief:

- Politely apologize for being late.
- You can add something such as, “I assure you this is not a habit”. All your future actions should be in line with this statement.
- Avoid giving any excuses.
- You might feel obligated to provide a justification for your tardiness, but the interviewer is not interested in that.
- Do not over apologize. Once this response is out of the way, turn your focus back to the interview.

Role Play

Conduct a role play for the situation given.

Role Play – Situation 6

- The interviewer will start by asking the interviewee a few generic questions such as:
 - ♦ What is your name?
 - ♦ Tell me something about yourself?
 - ♦ Can you tell me something about your family?
- After asking a few academic or job-related questions, ask the interviewee:
 - ♦ If you get this job, what salary package do you expect us to give you?

Say

De-brief:

- If there is no way for you to avoid this question, respond to the interviewer by providing a reasonable and well-thought out salary range.

Role Play

Conduct a role play for the situation given.

Role Play – Situation 7

- The interviewer will start by asking the interviewee a few generic questions such as:
 - ♦ What is your name?
 - ♦ Tell me something about yourself?
 - ♦ Can you tell me something about your family?
- Then, bringing the interview to a close, ask the interviewee:
 - ♦ Do you have any questions for me?

Say

De-brief:

- Ask relevant questions.
- Don't bombard the interviewer with questions.
- If you have questions about the result of the interview, you can limit your questions to 1 or 2. Keep them short and relevant like:
 - ♦ When will I be informed about the results of the interview?
 - ♦ What are the working hours?
 - ♦ Will the job require me to travel?

Explain

- Tell the participants to be prepared for answering different types of questions in an interview.
- Stay calm and focused, and take a moment to think about how you should respond. Always maintain a confident tone.
- Even if you don't intend to, your body language conveys your level of discomfort with a particular question. Try to keep your actions, tone, and gestures neutral.
- Maintain your composure while answering personal question.

Do



- Tell all the participants to form pairs again.
- Tell them to use the following list of frequently asked interview questions to conduct mock interviews.
- They will use all or some of these questions to conduct mock interviews with their partners.
- One partner will play the role of the interviewer while the other will play the role of the interviewee.
- After they are through asking and answering the questions, the roles will be reversed.
- The same list of questions will be used again.
- After each mock interview ask the interviewer to provide feedback and clear any doubts that may arise.
- Time allotted for each situation is 30-35 minutes.

Activity

**Mock Interview Questions**

Mock Interview Questions
Tell me something about your family.
What qualities would you look for in a Manager or a Supervisor?
Why did you apply for this job?
What do you know about this company?
How do you deal with criticism?
How do you plan to strike a good work-life balance?
Where do you see yourself five years from now?
Have you applied for jobs in other companies?
What kind of salary do you expect from this job?
Do you have any questions for me?

Summarize



- Close the discussion by discussing the questions in the both activities.
- Ask the participants what they have learned from this activity.
- Ask if they have any questions related to what they have talked about so far.

UNIT 7.4.4: Work Readiness – Terms and Terminology

Unit Objectives

At the end of this unit, participants will be able to:

- Identify basic workplace terminology

Resources to be Used

- Participant Handbook
- Chart papers
- Blank sheets of paper
- Pens

Ask

- What do you understand by workplace terminology?
- Are offer letter and contract of employment the same?

Say

- Let's start this unit with an activity.

Team Activity

Workplace terminology

- This is a group activity conducted in three parts.

Part 1

Sheila received a call from the recruiter of MND Company. Before she is recruited by the company, think of the recruitment process she will have to go through. Start from the telephone call to signing her letter of acceptance. Write down all the words that come to your mind.

Activity De-brief

- Have the participants read out the words they have written
- Encourage all the participants to participate in the activity

Do

- Divide the class into small groups of 4 or 6.
- Instruct the participants that they will be doing a brainstorming activity.
- Give them one chart paper each. Tell them to divide the chart in two parts.
- Instruct them that they have to use one half of the chart paper now. The other half will be used later.
- The participants have to write all the words that come to their mind related to the recruitment process.
- Give them 10 minutes to do the activity.
- Tell them that there are no right or wrong answers.
- Keep a track of the time.

Say 

- You all know quite a few words related to the terms used in the office.
- Let us talk about some new terms that have been missed out.
- Discuss “Work Readiness – Terms and Terminology” with the participants as given in the Participant Handbook.

Ask 

- Why is it important to know the workplace terms?
- How do they help?
- Can the words be categorised further?

Say 

- Let's now continue the activity.

Team Activity **Terms and Terminology**

- This is again a group activity. The members of the group remain the same as in Activity 1.

Part 2

With the help of the new terms you have learned, make a flow chart of the hiring process of MND Company.

Activity De-brief

- Ask the groups to share the flow charts and the new terms they added while preparing the flow chart.

Do 

- Instruct the participants that they have to use the 2nd half of the same chart they had used before.
- Using the new terminology and the terms they had previously written on the chart, they have to make a flow chart of the hiring process of the MND Company.
- Give them 10 minutes for this activity.
- Keep a check on time. Tell the group to wind up quickly if they go beyond the given time limit.

Say 

- Let's go ahead with the activity.

Team Activity **Terms and Terminology**

- The activity continues with the same group members.

Part 3

Sheila now works for the MND Company. She is not aware of the company culture and policies. She goes to the HR Department to get her doubts clarified. Can you think of the terms for which she wants clarity? Make a list of those words.

Activity De-brief

- Ask the groups to share their list of words. Some of the words are benefits, comp. time, deduction, employee training, holidays, lay-off, leave, maternity leave, mentor, notice, paternity leave, and time sheet.

Do 

- Instruct the participants to identify the key terms an employee of a company should know. They can use the same chart paper for this activity.
- Give them 5 minutes for this activity.
- Keep a check on time. Tell the group to wind up quickly if they go beyond the given time limit.

Summarize 

- Note: You can either summarize the key points of the unit or have a role play where an employee has just joined a company and the HR Manager explains the terms of employment.

UNIT 7.5: Understanding Entrepreneurship

Key Learning Outcomes



At the end of this unit, participants will be able to:

1. Discuss the concept of entrepreneurship
2. Discuss the importance of entrepreneurship
3. Describe the characteristics of an entrepreneur
4. Describe the different types of enterprises
5. List the qualities of an effective leader
6. Discuss the benefits of effective leadership
7. List the traits of an effective team
8. Discuss the importance of listening effectively
9. Discuss how to listen effectively
10. Discuss the importance of speaking effectively
11. Discuss how to speak effectively
12. Discuss how to solve problems
13. List important problem solving traits
14. Discuss ways to assess problem solving skills
15. Discuss the importance of negotiation
16. Discuss how to negotiate
17. Discuss how to identify new business opportunities
18. Discuss how to identify business opportunities within your business
19. Explain the meaning of entrepreneur
20. Describe the different types of entrepreneurs
21. List the characteristics of entrepreneurs
22. Recall entrepreneur success stories
23. Discuss the entrepreneurial process
24. Describe the entrepreneurship ecosystem
25. Discuss the purpose of the Make in India campaign
26. Discuss key schemes to promote entrepreneurs
27. Discuss the relationship between entrepreneurship and risk appetite
28. Discuss the relationship between entrepreneurship and resilience
29. Describe the characteristics of a resilient entrepreneur
30. Discuss how to deal with failure

UNIT 7.5.1: Concept Introduction (Characteristic of an Entrepreneur, types of firms/ types of enterprises)

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the concept of entrepreneurship
- Discuss the importance of entrepreneurship
- Discuss the characteristics of an entrepreneur
- Describe the different types of enterprises

Resources to be Used

- Participant Handbook

Say

- Let's start this session with some interesting questions about Indian entrepreneurs.

Team Activity

Quiz Questions

1. Who is the founder of Reliance Industries?
Dhirubhai Ambani
2. Who is the Chairman of Wipro Limited?
Azim Premji
3. Who launched e-commerce website Flipkart?
Sachin Bansal and Binny Bansal
4. Who is the founder of Paytm?
Vijay Shekhar Sharma
5. Who is CEO of OLA Cabs?
Bhavish Aggarwal
6. Who is the founder of Jugnoo?
Samar Singla (autorickshaw aggregator)
7. Who is the founder of OYO Rooms?
Bhavish Aggarwal

Do 

- Tell them that you will ask them few questions about a few entrepreneurs.
- Divide the class in to two groups.
- In turns ask the quiz questions to the groups.
- If the answer is incorrect pass the question to the other group.
- Share the answer if the groups are not able to answer.
- Congratulate the participants who answered correctly.

Ask 

- What do you understand by entrepreneurs?
- What is the importance of entrepreneurship in today's scenario?
- What do you think are the characteristics of successful entrepreneurs?
- What are different types of enterprises that an entrepreneur in India can own and run?

Say 

- Talk about entrepreneurs, importance of entrepreneurship, characteristics of successful entrepreneurs, and different types of enterprises in India as discussed in the Participant Handbook.
- Tell the participants, stories of successful Indian entrepreneurs- their struggles, the moments of heartbreak, the perseverance and triumph.
- Ask them if they know of any such entrepreneur.

Summarize 

- Close the discussion by summarizing about the opportunities for entrepreneurs in India.

Notes for Facilitation 

- Check out different Government schemes for small entrepreneurs. Share the information with the participants.
- You can tell them about the government websites like Start Up India, mudra.org.in etc.
- Discuss about various schemes and policies by the Government of India for entrepreneurs.

UNIT 7.5.2: Leadership and Teamwork

Unit Objectives

At the end of this unit, participants will be able to:

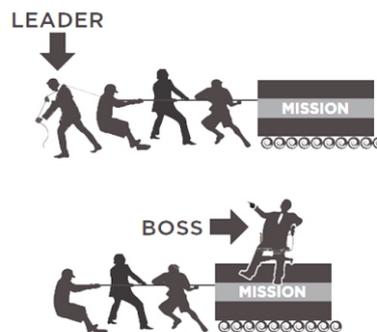
- List the qualities of an effective leader
- Discuss the benefits of effective leadership
- List the traits of an effective team

Resources to be Used

- Participant Handbook
- Blank sheets of paper
- Pens

Do

- Show the picture given below to the class.
- Ask them to quickly write on a piece of paper what comes to their mind after seeing the picture.
- Now ask them, “What do you understand from this picture?”
- Encourage participants to share their thoughts.



Say

- This picture depicts the qualities of a leader and the difference between a leader and a boss.
- A boss focuses on structure and inspires fear whereas a leader follows vision and generates enthusiasm.
- A boss blames employees for the breakdown whereas a leader fixes breakdowns.
- A boss depends on authority whereas a leader depends on goodwill.
- A boss says “I” and a leader says “We.”
- A boss drives employees whereas a leader coaches them.
- A boss takes credit whereas a leader gives credit.

Say

- Talk about leadership and leadership qualities for an entrepreneur as discussed in the Participant Handbook.

Ask

- Why is it important for a leader to be effective? How does it help the organization?

Say 

- Let us discuss benefits of effective leadership as discussed in the Participant Handbook.
- “Out-of-the-box thinking” is one of the new leadership styles. It means thinking differently and from a new perspective.

Ask 

- Do you consider yourself a team player?

Team Activity **Long Chain**

- This is a group activity.

Do 

- Divide the class into 2 teams.
- Ask each team to create a chain using materials they have in class such as shoe laces, belts, paper, handkerchief, ribbons, etc.
- The team that creates the longest chain wins the game.
- Observe if the participants are interacting with their team or working in isolation.
- Share your observations with the class.

Say **De-brief:**

- What did the winning team do differently?
- Who was responsible for the winning team's success?
- How does this activity explain the role of teamwork in entrepreneurial success?

Say 

- Tell the class that both the teams performed well.
- Discuss that the objective of this activity was to open communication channels and how this has been achieved.
- The participants should aim to keep the communication channels open when interacting with their peers and team members.
- It will set the pace and enthusiasm required for all the ensuing teamwork activities.
- Talk about teamwork and importance of teamwork in entrepreneurial success as discussed in the Participant Handbook.

Summarize 

- Close the discussion by summarizing about the importance of teamwork for employees.
 - ♦ Teamwork helps in reducing stress for the employees.
 - ♦ Teamwork helps employers in generating more number of solutions to a problem and developing improved communication amongst employees.
- Ask the participants what they have learned from these exercises.
- Ask if they have any questions related to what they have talked about so far.

UNIT 7.5.3: Communication Skills: Listening & Speaking: The Importance of Listening Effectively

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the importance of listening effectively
- Discuss how to listen effectively
- Discuss the importance of speaking effectively
- Discuss how to speak effectively

Resources to be Used

- Participant Handbook

Activity 1

Activity – Chinese Whisper

Step 1: Form a circle.

Step 2: Start a whisper chain. Any one participant will whisper a message into his/her neighbour's ear. No one else must hear the message. The message can be serious or downright silly.

Step 3: The next person who first heard the message should whisper the message very quickly to the person sitting next to them.

Step 4: The game goes on until the last person says whatever they heard out loud and the first person reveals the real message.

Compare them and have a great laugh!

Ask

De-brief questions:

- Was the original message the same as the message that is communicated at the end of the game?
- Why do you think there was a difference in the messages?

Say

- No, the original message was not same at the end of game.
- The barriers to communication like language, disturbance and noise, poor listening skills, boredom, poor speaking skills, etc. are the potential reasons this happens.
- There are various aspects to communication. Speaking skills and listening skills are two major components to any communication. There is always some room for improvement in the way we communicate.
- It is important to accept the reality of miscommunication and work to minimise its negative impacts.

Say

- Communication is a two-way process where people exchange information or express their thoughts and feelings
- It involves effective speaking and effective listening.
- If I go to the store to get bread, I exchange money for the bread. I give something and get something in return. Communication takes place in the same manner. You have to provide and receive information for communication to take place.

Ask

- How often do you hear these statements?
 - ♦ “You're not listening to me!”
 - ♦ “Why don't you let me finish what I'm saying?”
 - ♦ “You just don't understand!”
- What do you think the other person is trying to convey to you through these sentences?
- We will not talk about the importance of listening effectively as discussed in the Participant Handbook.

Say

- Let's play a game to understand effective listening process better.

Do

- This is a class activity.
- The participants need to answer the questions they hear.
- Instruct them to listen carefully.
- You will read it at a stretch and if need be repeat it once more.
- Tell the participants to raise their hand if they know the answer to the question asked.
- Keep a check on time.

Activity 2

Riddles:

Is there any law against a man marrying his widow's sister?

If you went to bed at eight o'clock at night and set the clock's alarm to ring at nine o'clock, how many hours of sleep would you get?

Do they have a 26th of January in England?

If you had only one match and entered a dark room that had a kerosene lamp, oil heater, and a wood stove, what would you light first?

The Delhi Daredevils and the Chennai Super Kings play five IPL matches. Each wins three matches. No match was a tie or dispute. How is this possible?

There was an airplane crash. Every single person died, but two people survived. How is this possible?

If an airplane crashes on the border of two countries, would unidentified survivors be buried in the country they were travelling to or the country they were travelling from?

A man builds an ordinary house with four sides except that each side has a southern exposure. A bear comes to the door and rings the doorbell. What is the colour of the bear?

Answers:

There's no law against a man marrying his widow's sister, but it would be the neatest trick in the book since to have a widow, the man would have to be dead.

You'd get one hour's sleep since alarm clocks do not know the difference between morning and night.

Oh, yes. They have a 26th of January in England. They also have a 27th, a 28th, and so on.

First of all, you would light the match.

Who said the Delhi Daredevils and the Chennai Super Kings were playing against each other in those games?

Every SINGLE person died, but those two were married.

You can't bury survivors under any law especially if they still have enough strength to object.

The bear that rang the doorbell would have to be a white bear. The only place you could build a house with four southern exposures is at the North Pole where every direction is in South.

Ask**De-brief question:**

- What were the barriers that came into your way of listening?
- How can you overcome barriers to listening?

Say

- There is a difference between hearing and listening.
- If you don't listen properly, the message may be misunderstood.
- Be open-minded while listening to someone.
- It is important to listen effectively and carefully without making assumptions.

Activity 3**Elevator Pitch:**

You are in the lift of a hotel and you bumped into your former client who is a famous businessman. He has financed a lot of small business ventures and can finance your new start-up too. After exchanging pleasantries, he asks you what your new company does. You open your mouth, and then pause. Where do you even begin?

Then, as you try to organize your thoughts, his meeting is called, and he is on his way. If you would be better prepared, you're sure that he would have stayed long enough to schedule a meeting with you too.

If you were given another chance, what would you have said to this person?

Do

- Start off the task by providing a beginning sentence to get the story started, and then go around the classroom getting each one to add a new sentence to keep the story going.
- This task should be done spontaneously allowing only a little time to think (30 seconds).
- For example: **There was once a student who was looking for a job after graduation.**

Notes for Facilitation

- Tell the participants to follow these steps to create a great pitch, but bear in mind that you'll need to vary your approach depending on what your pitch is about.
 1. **Identify Your Goal:** Start by thinking about the objective of your pitch. For instance, do you want to tell the potential clients about your organization? Do you have a great new product idea that you want to pitch to an executive or do you want a simple and engaging speech to explain what you do for a living?
 2. **Explain What You Do:** Start your pitch by describing what your organization does. Focus on the problems that you solve and how you help people. Ask yourself this question as you start writing: what do you want your audience to remember most about you? Keep in mind that your pitch should excite you first. After all, if you don't get excited about what you're saying neither will your audience. People may not remember everything that you say, but they will likely remember your enthusiasm.
 3. **Communicate Your USP:** Your elevator pitch also needs to communicate your unique selling proposition or USP. Identify what makes you, your organization or your idea unique. You'll want to communicate your USP after you've talked about what you do.
 4. **Engage with a Question:** After you communicate your USP, you need to engage your audience. To do this, prepare open-ended questions (questions that can't be answered with a "yes" or "no" answer) to involve them in the conversation. Make sure that you're able to answer any questions that he or she may have.
 5. **Put it all Together:** When you've completed each section of your pitch, put it all together. Then, read it aloud and use a stopwatch to time how long it takes. It should be no longer than 20-30 seconds. Remember, the shorter it is, the better!

Example:

Here's how your pitch could come together:

"My company deals with cloth retail online business and we use various e-commerce platforms to sell our products. This means that you can do shopping with ease and spend time on other important tasks. Unlike other similar companies, we have a strong feedback mechanism to find out exactly what people need. This means that, on average, 95 percent of our clients are happy with our products. So, how can you help us in creating our own web portal?"

6. **Practice:** Like anything else, practice makes perfect. Remember, how you say it is just as important as what you say. If you don't practice, it's likely that you'll talk too fast, sound unnatural or forget important elements of your pitch. Set a goal to practice your pitch regularly. The more you practice, the more natural your pitch will become. Practice in front of a mirror or in front of colleagues until the pitch feels natural.

Summarize

- Close the discussion by summarizing how to speak effectively as discussed in the Participant Handbook.

UNIT 7.5.4: Problem Solving & Negotiation Skills

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss how to solve problems
- List the important problem solving traits
- Discuss ways to assess problem solving skills
- Discuss the importance of negotiation
- Discuss how to negotiate

Resources to be Used

- Participant Handbook

Ask

- What is a 'problem'?
- What do you think are the problems you may face in the process of becoming a successful entrepreneur?

Say

- Discuss the definition of problem as given in the Participant Handbook.
- In a hurdle race the hurdles are the obstacles on the way to reach your goal.
- Similarly, obstacles are the hurdles you may face while reaching your goal i.e. to set-up your own business. Your goal will be to reach the finishing line after crossing these hurdles.

Ask

- What do you do when you face a problem?
- How do you resolve it? You can pick examples from the question asked previously 'the problems they are likely to face in the process of becoming a successful entrepreneur'.

Say

- Discuss how to solve problems as given in the Participant Handbook.

Team Activity

- This is a group activity.
 - The groups will solve the problem and come up with the best solution in each case.
1. Unable to arrange for some extra finance for setting up a beauty parlour. The loan sanctioned and disbursed is not enough. You have tried all your contacts, friends and relatives. But unable to manage the extra amount. Bank will not sanction more amount as you have used up the complete sanction limit.
 2. You have rented a space for your business and all arrangements are done. You will be operating from the office space rented in two days. Now the owner comes up to you and says he wants to sell the place and wants you to vacate in 15 days.
 3. You have just set up your business and need extra human resource. You have tried inviting a few also tied up with an agency for getting the right candidate. But you are unable to get the right candidate. If the candidate is good, you cannot offer the salary demanded. If the candidate agrees to the salary, he/she has other demands like working hours to be reduced, leaves etc. which may not work for your set up.

Do 

- Divide the class into three groups. Give one scenario to each group.
- Explain the purpose and duration of the activity.
- Ask the groups to build on the scenario and present their solution as a role play.

Say **De-brief questions:**

1. What was the problem?
2. Is there any other alternative solution?
3. Is this the best solution presented?

Ask 

- Try to think of some people around you who are able to solve problems very easily. Even you or your friends might be approaching them when there is a problem. What qualities do they have? What personality traits do such people possess?

Say 

- Discuss the important traits for problem-solving as given in the Participant Handbook.

Ask 

- In order to build a successful organization, you need to hire people who possess good problem solving skills. How would you assess the level of problem solving skills of potential candidates before hiring them?

Say 

- Discuss how to assess for problem-solving skills as given in the Participant Handbook.

Summarize 

- Ask the participants the things that they have learnt so far.
- Ask if they have any questions related to what they have talked about so far.
- Summarize the discussion on problem solving.

Activity 

- The activity is to organise an election event. Select three volunteers from the group. They have to give a speech on their election manifesto to the class. They have to negotiate with the fellow participants and convince them to vote for them. The best negotiator will win the election.

Do 

- Ask three participants to volunteer for the activity.
- Explain the purpose and duration of the activity.
- Set guidelines pertaining to discipline and expected tasks.

Ask 

- Out of the three contestants, whom would you support? Why? What did they say or do which convinced you to make your decision?
- Have you ever tried to negotiate in your personal or professional life?
- Ask the class to share some of their experiences where they have been able to strike a deal by negotiating.

Say 

- Discuss “What is Negotiation?” as given in the Participant Handbook.

Ask 

- Why is it important to negotiate? As an entrepreneur, where do you think that negotiation skills will be needed?

Say 

- Discuss the importance of negotiation while starting a business as given in the Participant Handbook.

Say 

- Discuss the important steps to negotiate as given in the Participant Handbook.

Role Play 

- Conduct a role play activity.
- Ask the participants to assemble together.
- Explain the purpose and duration of the activity.
- Set guidelines pertaining to discipline and expected tasks.

Do 

- Divide them into groups of four (4) (depending on the batch size).
- Give them the hand-outs for role play scenarios.
- Two groups to be given scenarios on problem solving.
- Other two groups to be given scenarios on negotiation.
- The groups will build on the scenarios and prepare for the role play.
- Give the groups atleast 5 mins to discuss and be ready with the role play.
- Invite each group one by one to come and present their role play.

Problem solving Scenario 1

Avinash has a Mobile Repair Store in Allahabad. His outlet is one of the most popular one in the vicinity and he has great rapport with his customers. He is always well-dressed, jovial and full of energy.

It's around 11 AM, when a customer barges in to the shop and starts shouting at Avinash for giving her back the instrument which is still not working. The screen of her mobile is also cracked from one side. Avinash remembered thoroughly checking the handset before handing it over to the customer. The customer threatens to sue the company and to go to Consumer Court for cheating her.

Problem solving Scenario 2

You are running a successful small scale business, Shreeji Aggarbattis,. Your staff members do door to door selling and organise marketing campaigns in local markets. Your brand has established it's name in last few years.

Recently, lot of customers have been coming to you and lodging complaints that your staff members indulge in malpractices. Few of them informed you that a staff member engaged them in a friendly conversation. In the meanwhile, the other gave them lesser packets of aggarbattis than they paid for.

Another set of customers lodged complaint about the misconduct and rude behaviour of a particular staff member.

You often hear from your customers that the orders don't get delivered on time or wrong products get delivered.

You have already been struggling with shortage of staff and such complaints are a serious concern as it is hampering your brand image. What strategies will you adopt to solve this problem?

Negotiation Scenario 1

You have interviewed a prospective new employee who could be a key member of your new entrepreneurial venture. The new person is demanding a salary that is 20% higher than you thought based on your business plan. Finances are tight, yet you believe this person could make a significant impact on future profits. If you paid the required salary for the new person, then you would have to restructure your entire business plan. You've been searching for an individual with this skill level for three months. to the candidate is waiting for your response. Now you have to call him in to make the final negotiations.

Negotiation Scenario 2

You are a young entrepreneur who has just registered his start up project and applied for a bank loan accordingly. You receive a letter saying that your loan application has been rejected as your start up idea did not appeal to the bank and they think that it is not a revenue generating model. You have taken an appointment to meet the manager and show your negotiation skills to get your loan approved.

Notes for Facilitation**Facilitating Role Plays****Preparing for the activity**

1. Carefully review the details of the scenario and the character descriptions.
2. Become familiar with the key issues being addressed in the scenario.
3. Study the provided material so that you are ready to address issues related to the situations depicted in the role-plays.
4. Anticipate and know how to address issues participants might raise during the activity.

Conducting the activity

1. Introduce the activity. Emphasize that role-playing provides participants with an opportunity to apply their new knowledge, skills, and tools in situations that simulate actual interactions with customers.
2. Ask participants to form pairs. Direct the members of each group to choose who will play the roles. Remind the groups that each participant should be given the opportunity to play/practice the different roles.
3. Conduct a demonstration so that participants become familiar with the expectations related to the roles and support materials.
4. Give the pairs/ groups 10 to 15 minutes to conduct the role-play (depending on the duration of the session).
5. After all the groups have finished with the role-play, conduct a debriefing session on each role-play.
6. Ask the groups to take five minutes to talk about what happened during the role-play. The groups should discuss the questions given in the debriefing for each role-play. Encourage participants to provide constructive criticism during their discussions.

Summarize

- Wrap the unit up after summarizing the key points and answering questions.

UNIT 7.5.5: Business Opportunity Identification: Entrepreneurs and Opportunities

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss how to identify new business opportunities
- Discuss how to identify business opportunities within their business

Resources to be Used

- Participant Handbook
- Blank sheets of paper
- Pens

Ask

- How does an entrepreneur identify an opportunity?
- What do you think are the common queries or concerns faced by entrepreneurs?
- How can you identify new business opportunity?

Say

- Let's talk about opportunity, common queries or concerns faced by entrepreneurs, idea as an opportunity, factors to consider when looking for opportunities, ways to identify new business, and opportunity analysis as discussed in Participant Handbook.
- Let's do an activity to understand ways to identify business opportunities within your business.

Do

- Tell the class that this is an individual activity.
- Tell the participants to create a matrix on their notebooks.
- There will be four boxes in your matrix.
- Strength, Weakness, Opportunity and Threats will be the four headings of the matrix. This is called the SWOT matrix.
- Read out the questions to them and tell the participants they need to answer the questions asked in each matrix.
- Tell them they can also use their own understanding of themselves to fill the SWOT matrix.

Activity

Do your SWOT analysis

Strength

What are your strengths?
 What unique capabilities do you possess?
 What do you do better than others?
 What do others perceive as your strengths?

Weakness

What are your weaknesses?
 What do your competitors do better than you?

Opportunity

What trends may positively impact you?
 What opportunities are available to you?

Threat

Do you have solid financial support?
 What trends may negatively impact you?

Do

- Congratulate everyone for the class activity.
- Ask the audience to applaud for themselves.
- Allot the participants sufficient time to complete this activity, but do keep a check on time.
- Ask de-brief questions to cull out information from the participants.

Ask

De-brief questions:

- What are your weaknesses according to your SWOT analysis?
- Do you think you can change your weakness into strength? How?
- Do you think you can work on your threats? How?

Summarize

- Close the discussion by summarizing ways to identify business opportunities within your business.
- Ask the participants what they have learned from this exercise.
- Ask if they have any questions related to what they have talked about so far.

UNIT 7.5.6: Entrepreneurship Support Eco-System

Unit Objectives

At the end of this unit, participants will be able to:

- Explain the meaning of entrepreneur
- Describe the different types of entrepreneurs
- List the characteristics of entrepreneurs
- Recall entrepreneur success stories
- Discuss the entrepreneurial process
- Describe the entrepreneurship ecosystem
- Discuss the purpose of the 'Make in India' campaign
- Discuss the key schemes to promote entrepreneurs

Resources to be Used

- Participant Handbook
- Chart papers
- Marker pens
- Pencils
- Colour pencils
- Scale
- Eraser
- Other requisite stationery material

Ask

- Do you think that entrepreneurs need support?
- What do you think is an eco-system?
- What do you think 'entrepreneurship support eco-system' means?

Say

- Let's learn what entrepreneurship support eco-system means.
- Discuss 'Entrepreneurship Support Eco-System' as given in the Participant Handbook.

Ask

- Can you define entrepreneurship support eco-system?
- What are the key domains of the support eco-system?

Say

- Let's learn more about these domains by conducting an activity.
- You have to make a poster showing the components of the six main domains of entrepreneurship support eco-system.

Team Activity

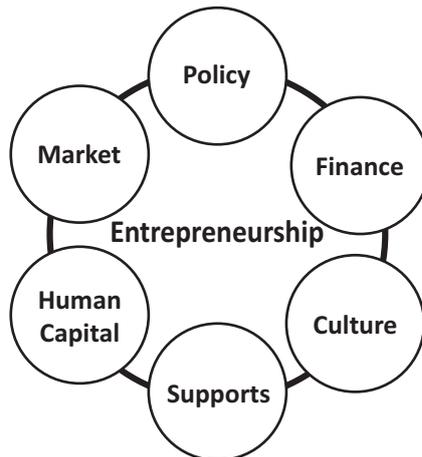
- Making a poster showing the entrepreneurship support eco-system.

Do 

- Divide the class into groups of four or six.
- Hand out chart paper and coloured pens.
- Explain the purpose and duration of the activity.
- Go around checking the progress of each group.
- Set guidelines pertaining to discipline and expected tasks.

Activity De-brief

Ask each group to display their poster and explain the key domains of entrepreneurship support eco-system.

Ask 

- What kind of government support eco-system is available for entrepreneurs in India?

Say 

- Discuss 'Make in India' campaign as given in the Participant Handbook.

Team Activity 

- Presentation on key schemes to promote entrepreneurs

Do 

- Divide the class into pairs.
- Number each pair from 1-15.
- Assign a scheme, same as their group number, to each group.
- Ask them to read the scheme carefully and present it to the class.
- Explain the purpose and duration of the activity.
- Go around checking the progress of each group.
- Set guidelines pertaining to discipline and expected tasks.

Activity De-brief

- Ask each group to explain the scheme offered by government to promote entrepreneurs.

Summarize 

- Summarize the unit by discussing the key points and answering questions the participants may have.

UNIT 7.5.7: Risk Appetite & Resilience

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the relationship between entrepreneurship and risk appetite
- Discuss the relationship between entrepreneurship and resilience
- Describe the characteristics of a resilient entrepreneur

Resources to be Used

- Participant Handbook
- Chart papers
- Blank sheets of paper
- Pens
- Marker pens

Ask

- Can you define risk or explain what constitutes a risk?
- What do you people mean when they say, “This may be a risky proposition”?
- What risks are they talking about?

Example

- Let's have a look at these two examples:

Rohit and his family were travelling by car from Delhi to Nainital. It was their second trip there. Rohit was familiar with the road. His friends told him that the highway after Rampur was in a bad condition. They advised him to take a shortcut and turn left from Moradabad and take the Kaladhungi road. This road is in a better condition.

Since he was going with his family, and did not want to take the risk of getting lost, he left early. He took the Kaladhungi road and reached Nainital well in time.

Suresh and his family too were travelling by car from Delhi to Nainital. It was their second trip there. His friends too advised him to take a shortcut and turn left from Moradabad and take the Kaladhungi road as this road was in a better condition.

Suresh too decided to take the Kaladhungi road but he left Delhi in the afternoon. It was dark by the time he reached Kaladhungi, and he was sure that he was taking the correct turn. As it was late, he could not find anyone to give him directions. He ended up being in an unknown place that was scarcely inhabited.

Say

- Let's see what type of risks Rohit and Suresh took.
- Discuss 'Risk Appetite and Resilience' with the participants as given in the Participant Handbook.

Say

- Let's learn more about risk appetite and resilience with the help of an activity.

Team Activity

Risk Appetite

- This is a group activity.
- In the previous unit, you read success stories of Mr Dhirubhai Ambani and Dr Karsanbhai Patel.
 - Mr Ambani left his job and started his company Reliance with just Rs. 50,000/-.
 - Dr Patel kept his job, went door-to-door to sell Nirma, and only when the brand started gaining popularity did he start his own company.
 - What types of risk did both of them take?
 - What risk factors, do you think, did they keep in mind before launching their company?
 - Write the Risk Appetite Statement of both the companies.

Activity De-brief

- Who took a greater risk?
- What are the differences between the Risk Appetite Statement of both the companies?

Do

- Instruct the participants that this is group work.
- Divide the class into small groups of 4.
- Give each group a chart paper.
- Tell the participants that they have to evaluate the risks taken by Mr Dhirubhai Ambani and Dr Karsanbhai Patel.
- Give the participants 15 minutes to discuss and write.
- Keep a check on time. Tell the group to wind up quickly if they go beyond the given time limit.

Ask

- Do you think all entrepreneurial ventures are successful?
- What happens if the first venture is not successful?
- Should the entrepreneur stop when faced with challenges or face them?

Example

- Let's have a look at the following example:

Vijay Shekhar Sharma is the founder of Paytm, which is a giant Indian e-commerce. He was born in a middle-class family in Uttar Pradesh. He started his first job at an MNC. He quit after six months and built a company One97 with his friends. As One97 grew bigger, it needed more money because it was running more servers, bigger teams, and had to pay royalty. At that time, the tech bubble popped and technology companies were running in losses. Finally, money ran out. So One97 took loans and then more loans at higher rates of interest, as high as 24 per cent, and became caught in a vicious cycle.

In 2014, Paytm was launched with online wallet services after which, the company enabled online payment transactions. The company got licenses from RBI in 2016 to launch India's first ever payment bank. Moreover, the main motive of Paytm was to transform India into a cashless economy.

After demonetization came into effect, Vijay Shekhar Sharma started promoting online and digital transactions to deal with the cash crunch. In fact, the service of the company's mobile wallet is accepted across India. The logo of Paytm is now popular almost everywhere from tea stalls to major companies.

Say 

- Let's see what qualities made Vijay Shekhar Sharma a resilient entrepreneur.
- Discuss Entrepreneurship and Resilience with the participants as given in the Participant Handbook.

Say 

- Let's learn more about entrepreneurship and resilience with the help of an activity.

Team Activity **Entrepreneurship and Resilience**

- This is a group activity.
- Think of some entrepreneurship ventures that faced challenging times, but later resulted in success stories.
 - Who is the founder of that company?
 - What challenging times did it face?
 - How did it overcome those challenges?
 - List the resilient characteristics of the entrepreneur.

Activity De-brief

- Each group to give their presentation.
- Why did you choose this company?
- What is the success story of the company?

Do 

- Instruct the participants that this is group work.
- Divide the class into small groups of 4.
- Give each group a chart paper.
- Tell the participants that they have to think of an entrepreneur who faced challenging times, but eventually succeeded.
- Give the participants 15 minutes to discuss and write.
- Keep a check on time. Tell the group to wind up quickly if they go beyond the given time limit.

Summarize 

- You can summarize the key points of the unit.
- Ask the participants what they learned from the activities.
- Clarify any questions or doubts they might have.

UNIT 7.5.8: Success and Failures

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss how to deal with failure

Resources to be Used

- Participant Handbook

Ask

- Have you heard the quote 'nothing is impossible'?
- What do you think it means?
- Do you think that all successful entrepreneurs became famous overnight or did they have to struggle or face failure before succeeding?

Example

- Let's have a look at this example.

Shah Rukh Khan, also known as, SRK or King Khan is a force to reckon with. Did he achieve stardom overnight? Shah Rukh Khan, who has seen many struggles in his life – he has slept on streets, struggled to support himself and his sister at a very young age, and lost his parents very early in life, which led to his sister seeking mental health support. Amidst all the chaos and challenges, he kept pushing himself, and today he stands tall as the 'Badshah of Bollywood'. Certainly those years were not easy for him.

When he was young, he stood at Marine Drive and said, “I will rule this city one day”. Failure was not just his companion during or before his stardom, it is still a substantial part of his life. Success does not come easy. What made him a star was his acceptance of failure and the urge to improve.

Say

- How do you define success and failure?
- What is fear?
- Discuss “success and failure” with the participants as given in the Participant Handbook.

Ask

- Have you felt or experienced fear?
- What led you to feel that emotion?
- How did you handle it?

Say

- Let's learn the about success and failure with the help of an activity.

Team Activity

- Divide the class into groups of four.
- Instruct them to think of one scenario where they have to interview a successful entrepreneur.
- Explain the purpose and duration of the activity.
- Set guidelines pertaining to discipline and expected tasks.
- They have to choose one person from the group as the interviewee and one as the interviewer.
- Go around and make sure they have understood what is to be done and are discussing the roles properly.
- Check that everyone understands their role. Give clarifications if needed. Give the participants about 5 minutes to discuss and decide their roles.
- Ask the groups to stop the discussion as soon as the time is over.
- Invite each group one by one to come and present their interview as a role play.

Notes for Facilitation

Facilitating Role Plays

Preparing for the activity

1. Carefully review the details of the scenario and the character descriptions.
2. Become familiar with the key issues being addressed in the scenario.
3. Study the provided material so that you are ready to address issues related to the situations depicted in the role plays.
4. Anticipate potential questions that might be raised by the participants and be ready to address them.

Conducting the activity

1. Introduce the activity. Emphasize that role playing provides participants with an opportunity to apply their new knowledge, skills, and tools in situations that simulate actual interactions with customers.
2. Ask participants to form pairs. Direct the members of each group to choose who will play the roles. Remind the groups that each participant should be given the opportunity to play/practice the different roles.
3. Conduct a demonstration so that participants become familiar with the expectations related to the roles and support materials.
4. To maintain spontaneity of the interactions during the role play, ask the participants not to discuss the details of their roles prior to the role play.
5. Give the pairs 15-20 minutes to conduct the role play.
6. Circulate among the groups to answer any questions that may arise and provide guidance as needed.
7. After all the pairs have finished with the role play, conduct a de-briefing session on each role play.
8. Ask the groups to take five minutes to talk about what happened during the role play. The groups should discuss the questions given in the de-briefing for each role play. Encourage participants to provide constructive criticism during their discussions.
9. Conclude the activity by asking participants to think about whether and how they might use scripted role plays in their real life.

Summarize

- Wrap the unit up after summarizing the key points and answering questions.

UNIT 7.6: Preparing to be an Entrepreneur

Key Learning Outcomes



At the end of this unit, participants will be able to:

1. Discuss how market research is carried out
2. Describe the 4 Ps of marketing
3. Discuss the importance of idea generation
4. Recall basic business terminology
5. Discuss the need for CRM
6. Discuss the benefits of CRM
7. Discuss the need for networking
8. Discuss the benefits of networking
9. Discuss the importance of setting goals
10. Differentiate between short-term, medium-term and long-term goals
11. Discuss how to write a business plan
12. Explain the financial planning process
13. Discuss ways to manage your risk
14. Describe the procedure and formalities for applying for bank finance
15. Discuss how to manage their own enterprise
16. List the important questions that every entrepreneur should ask before starting an enterprise

UNIT 7.6.1: Market Study/ The 4Ps of Marketing/ Importance of an IDEA: Understanding Market Research

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss how market research is carried out
- Describe the 4 Ps of marketing
- Discuss the importance of idea generation

Resources to be Used

- Participant Handbook
- Chart papers
- Markers pens
- Blank sheets of paper

Ask

- Suppose, you want to open a restaurant, what are the factors you will consider?
- How will you promote your restaurant?

Example

- Let's have a look at this example.

Arjun was an MBA working in a company. But he wanted to start a low cost budget hostel for foreign tourists coming to India. He did a lot of market research before starting the project. Based on the information he gathered, he made his business plan. His hostel is now flourishing and he is thinking of expanding to other tourist destinations.

Say

- Discuss "Market Study" with the participants. Refer to the Participant Handbook.
- Let's learn about market study and research with the help of an activity.

Team Activity

Market Study

- This is a group activity.
- You want to start your own tuition centre.
- What type of research will you do?

Activity De-brief

- Ask each group to come forward and give a brief presentation.
- Encourage other groups to be interactive and ask questions.
- What factors did you keep in mind while doing your research?
- Based on our research would you go ahead and open a tuition centre?

Do 

- Instruct the participants that this is group work.
- Divide the class into small groups of 4 or 6.
- Give each group a chart paper.
- Tell the participants that they have to start their own tuition centre.
- Give the participants 10 minutes to discuss and write the research work they need to do.
- Keep a check on time. Tell the group to wind up quickly if they go beyond the given time limit.

Say 

- By opening a tuition centre you are offering a service.

Ask 

- What factors will you keep in mind before opening it?

Say 

- Discuss “The 4Ps of Marketing” with the participants as given in the Participant Handbook.

Say 

- Let's learn about the 4Ps of Marketing with the help of an activity.

Team Activity **4 Ps of Marketing**

- This is a group activity.
- You have to sell a pen to four different segments:
 1. Rural villagers
 2. Rural middle class
 3. Urban middle class
 4. Upper end rich people (Niche market)

Keeping the 4Ps of Marketing in mind, what marketing strategy will you design to sell the pen?

Activity De-brief

- Ask each group to present their strategy.
- Encourage other groups to be interactive and ask questions.

Do



- Instruct the participants that this is group work.
- Divide the class into four groups.
- Give each group a chart paper.
- Assign each group a target audience for selling the pens:
 1. Rural villagers
 2. Rural middle class
 3. Urban middle class
- Instruct the participants that this is group work.
- Divide the class into four groups.
- Give each group a chart paper.
- Assign each group a target audience for selling the pens:
 - 1. Rural villagers
 - 2. Rural middle class
 - 3. Urban middle class
 - 4. Upper end rich people
- Tell the participants that they have to design a marketing strategy keeping the 4Ps of Marketing in mind.
- Give the participants 20 minutes to discuss and come up with their strategy.
- Keep a check on time. Tell the group to wind up quickly if they go beyond the given time limit
- Activity De-brief
- Ask each group to come forward and give a brief presentation.
- Ask each group what they kept in mind while designing their marketing strategy.
- Encourage other groups to be interactive and ask questions.

Say



- Each entrepreneur has an idea of wants he wants to sell. It may be a service or a product.
- Discuss “Importance of an IDEA” as given in the Participant Handbook.

Summarize



- Summarize the key points of the unit.
- Ask the participants what they learnt from the activities.
- Encourage them to ask if they have any doubts.

UNIT 7.6.2: Business Entity Concepts

Unit Objectives

At the end of this unit, participants will be able to:

- Recall basic business terminology

Resources to be Used

- Participant Handbook

Say

- Let's recall some basic business terminology.
- Discuss the Business Entity Concepts as given in the Participant Handbook.
- Let's learn some basic business terminology by having an activity.
- We will have a quiz today.

Activity

- The activity is a quiz.

Do

- Divide the class in two groups and give a name to each group.
- Explain the rules of the quiz. For each correct answer the group gets 1 mark.
- If the group is unable to answer the question is passed to the next group.
- Explain the purpose and duration of the activity.
- Ask the questions of the quiz.
- Keep a score of the groups.
- Set guidelines pertaining to discipline and expected tasks.

Summarize

- Summarize the unit by discussing the key points.

Notes for Facilitation

**QUESTIONS FOR THE QUIZ**

1. What does B2B mean?
Business to business
2. What is a financial report?
A comprehensive account of a business' transactions and expenses
3. Who is a sales prospect?
A potential customer
4. How is working capital calculated?
Current assets minus current liabilities
1. What does B2B mean?
Business to business
2. What is a financial report?
A comprehensive account of a business' transactions and expenses
3. Who is a sales prospect?
A potential customer
4. How is working capital calculated?
Current assets minus current liabilities
5. What is an estimation of the overall worth of a business called?
Valuation
6. You are buying a house. What type of transaction is it?
Complex transaction
7. How will you calculate the net income?
Revenue minus expenses
8. How is Return on Investment expressed?
As percentage
9. How will you calculate the cost of goods sold?
Cost of materials minus cost of outputs
10. What is revenue?
Total amount of income before expenses are subtracted.
11. What is a Break-Even Point?
This is the point at which the company will not make a profit or a loss. The total cost and total revenues are equal.
12. What is the formula used to calculate simple interest?
 *$A = P(1 + rt)$; $R = r * 100$*
13. What are the three types of business transactions?
Simple, Complex and Ongoing Transactions
14. The degrading value of an asset over time is known as
Depreciation
15. What are the two main types of capital?
Debt and Equity

UNIT 7.6.3: CRM & Networking

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the need for CRM
- Discuss the benefits of CRM
- Discuss the need for networking
- Discuss the benefits of networking

Resources to be Used

- Participant Handbook

Ask

- Can your business run without customers/buyers?
- Who is the most important entity in any business?

Say

- The key to every success business lies on understanding the customer's expectations and providing excellent customer service.
- Discuss about CRM and its benefits. Refer to the Participant Handbook.
- Providing excellent customer service entails:
 - ♦ Treating your customers with respect.
 - ♦ Be available as per their need/ schedule.
 - ♦ Handling complaints effectively.
 - ♦ Building long lasting relationships.
 - ♦ Collecting regular feedback.
- Handle customer complaints proactively. Ask “what happened”, “why it happened”, “how can it be avoided next time”, etc.
- Collecting feedback from the customers regularly will enable you to improve your good/service.
- “Let's understand it better with the help of some case scenarios. You will be given some cases within your groups. You have to analyse the case scenario that has been given to you and then find an appropriate solution to the problem.”

Do

- Divide the class into four groups of maximum six participants depending on the batch size.
- Give one case study to each group.
- Instruct them to read the case carefully.
- The group is expected to analyse and discuss the case amongst them and find a solution to the given problem.
- Put down the discussion points (de-brief questions) on the board. Give the class 5-10 minutes to discuss the case and note down their solutions.
- At the end of 10 minutes, the team should present their case solution to the class.

Team Activity

Case Study Analysis

Raju runs a business of wooden furniture. He has a huge list of customers on Facebook and WhatsApp who give him orders regularly. Ankita is one of his old and regular customers. She placed an order for a new chester and TV cabinet via WhatsApp and requested Raju to send them as soon as possible. When the parcel reached Ankita through courier she found that chester was broken and the TV unit was chipped from the bottom. Ankita was heartbroken. It was a complete waste of money. She sent a message to Raju on WhatsApp, expressing her anger and disappointment. Raju might lose an old customer forever if he doesn't satisfy the customer. What should Raju do to retain his customer?

Scenario 2

Rajni runs a boutique shop. She sells suits and sarees. She is one of the most successful designer in her city. Rajni swears that all the clothes in her boutique have unique designs. Smita has to attend her cousin's wedding; she goes to Rajni's boutique to buy a saree. Smita wanted a unique designer saree. Rajni customized a saree for her and sent it over the courier. When Smita had a look at the saree she realised her two friends had the same design sarees. She sent a message to Rajni on WhatsApp, expressing her anger and disappointment. Did Rajni make a false promise? Were her designs copied? What could happen to Rajni's image after this incident? What would you do if you were in Rajni's place?

Scenario 3

Shama is a beautician who offers parlour services to ladies by making home visits. Recently, Shama got her name registered on an e-commerce website. Two days earlier, she got a message from Mrs Sushma. The appointment was fixed for next day, 11:00 am and the remuneration for the services was decided beforehand. When Shama reached there at 10:50 am, Mrs Sushma was not at home. When Shama called her, she asked her to wait for a while. Mrs Sushma reached home at 11:45 am. Meanwhile, Shama had to reschedule her next appointment. After availing Shama's services, Mrs Sushma refused to pay the requisite amount and started finding faults in the services provided by her. Who was at fault in this scenario? What should you do in case the customer behaves unreasonably? What would you do if you were in Shama's place?

Scenario 4

Shailender is the manager of a car showroom. He proactively takes part in all the transactions that happen in his showroom. Vinita wants to buy a new car. She has chosen a car from Shailender's showroom. The salesperson has given her a very good discount and has also promised free service for one year. Vinita goes to the showroom and asks to complete all the formalities to purchase the car. When she sees the final bill she realize that she has not received the promised discount neither was there any mention of the free services. She immediately demands to see the Shailender. When Shailender's head asks how much discount Vinita was promised, he realised the discount will make the sale in loss. The car showroom owner might lose a customer and deal due to false commitments made by his manager. Besides, the customer might tell this to other people, creating a bad name and image for the showroom. If you owned that showroom, how would you have convinced your customer?

Say

- Now, let's discuss the problem and solution with the class.
- The group will first briefly describe the case to the class.
- Then discuss the issue identified and the proposed solution.
- Present the solution as a role play.
- Post presentation, the other groups may ask questions from the group that has presented.

Do 

- Congratulate each group for the presentation/ role play.
- Ask the audience to applaud for them.
- Keep a check on time. Tell the group to wind up the discussion quickly if they go beyond the given time limit.

Say 

- If your customers are happy with you they will give referrals which will help to grow your business.
- One more way of growing business is 'Networking'.
- Discuss Networking and its benefits. Refer to the Participant Handbook.

Activity **Group Discussion**

- Conduct a group discussion in the class on how they can do networking for their business.

Summarize 

- Ask the participants what they have learnt from this exercise/ activity.
- Ask if they have any questions related to what they have talked about so far.
- Close the discussion by summarizing the importance of CRM and Networking for entrepreneurs.
- Close the discussion by summarizing the importance of CRM and Networking for entrepreneurs.

UNIT 7.6.4: Business Plan: Why Set Goals?

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss the importance of setting goals
- Differentiate between short-term, medium-term and long-term goals
- Discuss how to write a business plan
- Explain the financial planning process
- Discuss ways to manage your risk

Resources to be Used

- Participant Handbook
- Chart papers
- Blank papers
- Marker pens
- Ruler

Ask

- Remember we had written SMART Goals in a previous session? Let's try and recall why it is important to set goals?
- While framing SMART goals, we talked about 'T' in SMART, which was 'Time Bound'? What do we mean by time bound goals?
- What time limit did you set for your goal- 3 weeks, 3 years, 10 years?

Say

- Talk about short term, long term and medium term goals, as discussed in the Participant Handbook.

Ask

- As you are planning to become an entrepreneur, you must have thought of an idea for a start-up. What is your business idea?

Do

- Ask few participants to share their business ideas.

Ask

- Have you created a business plan for your business idea?
- Do you think it is important to have a business plan in place? Why/ why not?

Say

- Talk about 'Why Create a Business Plan' as discussed in the Participant Handbook.
- Let's understand it better with the help of an activity.

Team Activity

Writing a business Plan

- This is a group activity.
- Give the groups the required resources such as chart paper and markers.
- This activity is divided into two parts:
 1. Create a business idea
 2. Develop a business plan
- The group will discuss and come up with a new business idea and present their idea to the class.
- In the second part of the activity the group will develop a business plan for the business idea.
- The business plan prepared will be presented by the groups to the class.

MY BUSINESS PLAN
Executive Summary: What is your Mission Statement?
Business Description: What is the nature of your business?
Market Analysis: What is your target market?
Organization and Management: What is your company's organizational structure?
Service or Product Line: What is the lifecycle of your product/ service?
Marketing and Sales: How will you advertise and sell your products?
Funding Request: How much fund is required and from where?

Say

- Teams will need to brainstorm for this part of the activity.
- Use the blank papers for the second part of this activity
- Make your business plan on a chart paper based on the following parameters:
 1. Executive Summary
 2. Business Description
 3. Market Analysis
 4. Organization and Management
 5. Service or Product Line
 6. Marketing and Sales
- Explain each parameter in detail as done in the Participant Handbook.
- Discuss each parameter with the business idea examples of the groups.
- Groups will discuss and develop the business plan for their business idea.

Say 

- Now, let's share our plan with the class.
- Each group will briefly describe the plan to the class.
- Post presentation, the other groups may ask questions to the group who have presented their plan.

Do 

- Congratulate each group for sharing their points.
- Ask the audience to applaud for them.
- Keep a check on time. Tell group to wind up the discussion quickly if they go beyond the given time limit.

Say 

- Along with a business plan, you need to create a financial plan and evaluate the risk involved with your start up.
- Discuss 'Financial Planning' and 'Risk Management' in detail as given in the Participant Handbook.

Summarize 

- Ask the participants what they have learnt from this exercise/ activity.
- Ask if they have any questions related to what they have talked about so far.

Notes for Facilitation 

- Keep the business plan format ready in a flipchart to display it during the activity.

UNIT 7.6.5: Procedures and Formalities for Bank Finance

Unit Objectives

At the end of this unit, participants will be able to:

- Describe the procedure and formalities for applying for bank finance

Resources to be Used

- Participant Handbook
- Bank loan/finance form sample

Ask

- While preparing a business plan in the last session, we discussed financial planning to arrange financial resources for your start-up. Therefore, how will you collect funds to start your business?

Say

- While most entrepreneurs think 'product' is the most difficult thing to decide for a business, start-up capital poses an even a bigger obstacle. Though there are various ways of funding the business, to convince investors to invest money is the most challenging.
- Some of the funding options available in India are:
 - ♦ **Bootstrapping:** Also called self-financing is the easiest way of financing
 - ♦ **Crowd funding:** Funds are collected by consumers pre-ordering or donating for starting the business.
 - ♦ **Angel investors:** Individual or group of investors investing in the company
 - ♦ **Venture capitalists:** Venture capitals are professionally managed funds who invest in companies that have huge potential. They usually invest in a business against equity.
 - ♦ **Bank loans:** The most popular method in India.
 - ♦ **Microfinance Providers or NBFCs**
 - ♦ **Government programmes**
- Let us know discuss the most popular method i.e. bank finance in detail here.

Do

- Discuss the list of documents that are required to apply for a loan like letter of introduction, business brochure, references of other banks, and financial statements.
- Explain the details to be filled in a loan application form.
- Divide the class into groups. Give each group a loan application form.
- Ask the groups to discuss and fill the form.

Summarize

- Close the discussion by summarizing the important documents needed for bank loan.
- Ask the participants if they have any questions related to what they have talked about so far.

Notes for Facilitation

- Checklist of documents is provided as resources for the session.
- You can make some copies and distribute it during the group activity.
- Download sample loan application forms from any nationalised bank's website. Print sufficient copies to circulate it amongst the groups.

CHECKLIST OF DOCUMENTS TO BE SUBMITTED ALONG WITH LOAN APPLICATION (Common for all banks)
1. Audited financial statements of the business concern for the last three years
2. Provisional financial statements for the half – year ended on _____
3. Audited financial statements of associate concern/s for the last three years
4. Copy of QIS II for the previous quarter ended on _____
5. Operational details in Annexure I
6. CMA data for the last three years, estimates for current year and projection for the next year
7. Term loan/DPG requirements in Annexure II
8. List of machinery in respect of machinery offered as security in Annexure III
9. Additional details for export advances furnished in Annexure IV
10. Property statements of all directors/partners/proprietor/guarantors
11. Copies of ITAO of the company for the last three years
12. Copies of ITAOs/WTAOs of the directors/partners/proprietor and guarantors
13. Copies of certificate from banks and financial institutions certifying the latest liability with them
14. Copy of board resolution authorizing the company to apply to your bank for the credit facilities mentioned in application
15. Copy of memorandum and article of association (in case of limited company)/partnership deed (in case of partnership firm)
16. Cash budget for the current year and next year in case of contractors and seasonal industries

UNIT 7.6.6: Enterprise Management – An Overview: How to Manage Your Enterprise?

Unit Objectives

At the end of this unit, participants will be able to:

- Discuss how to manage their own enterprise

Resources to be Used

- Participant Handbook

Ask

- Having set-up a business, do you think it is possible to do everything on your own?
- Does one require trained persons for help?
- What does management mean?

Say

- Let's have a look at this example:

Kapil had a small business that was beginning to pick up pace. He wanted to expand his business, and therefore employed few more people. One day, as he was walking past Ramesh, one of his new employees, he overheard Ramesh talking rudely to a customer on the phone. This set him thinking. Kapil realised that he should have regular team meetings to motivate his employees and speak with them about any problems they might be facing during work. He should also conduct training sessions on new practices, soft skills, and technology, and develop work ethics manual for managing his enterprise.

Say

- Was Kapil correct in his approach or he should have scolded Ramesh instantly in front of his other employees?
- Discuss “Enterprise Management – An Overview” with the participants as given in the Participant Handbook.

Say

- Let's learn how to effectively manage an enterprise or business through an activity.

Team Activity

Enterprise Management

- This is a group activity.
- Design a matrix listing the topics and key words that are needed to run an enterprise effectively and smoothly.

Activity De-brief

- Have each group present their matrix.
- Encourage participants of the other groups to ask question about each other's presentation.

Do



- Instruct the participants that this is group work.
- Divide the class into small groups of 4.
- Give each group a chart paper and coloured pen.
- Tell the participants that they have to make a matrix they need to fill.
- They have to write the main topics and key words that will help them effectively manage their enterprise.
- Give the participants 15 minutes to discuss and write.
- Keep a check on time. Tell the group to wind up quickly if they go beyond the given time limit.

Summarize



- Ask the participants what they have learned from this exercise/activity.
- Ask if they have any questions related to what they have talked about so far.
- Close the discussion by summarizing the importance of effective management to run an enterprise as given in the Participant Handbook.

UNIT 7.6.7: 20 Questions to Ask Yourself before Considering Entrepreneurship

Unit Objectives

At the end of this unit, participants will be able to:

- List the important questions that every entrepreneur should ask before starting an enterprise

Resources to be Used

- Participant Handbook
- Blank sheets of paper
- Pens

Ask

- Why do you want to become an entrepreneur?

Say

- It is very important to know why you want to become an entrepreneur. Your personal goals for becoming an entrepreneur play a key role in the success of your business. Your goals should be clear well before you start your business.
- Apart from the goals, the other aspects of business that you need to bear in mind are the potential problems that you may face to set-up, your areas of interest, and all the other dimensions of the business.
- Let's understand it better with the help of some questions that every entrepreneur should ask before starting their own business.
- Open the Participant Handbook section named '20 Questions to Ask Yourself Before Considering Entrepreneurship'. You have to answer the questions individually.
- Then, we will have a class discussion on all the questions.

Do

- Read out the questions one by one in front of all the participants.
- Participants have to answer all the one by one questions.
- Give the class 10-15 minutes to note down their answers.
- At the end of 15 minutes, open the discussion for all the questions.
- Moderate the discussion by focusing on the relevant points.
- Keep a check on time and don't let the discussion get sabotaged or lose track of time. Ensure all the questions are covered and discussed.

Summarize

- Ask the participants what they have learned from this exercise/activity.
- Ask if they have any questions related to what they have talked about so far.



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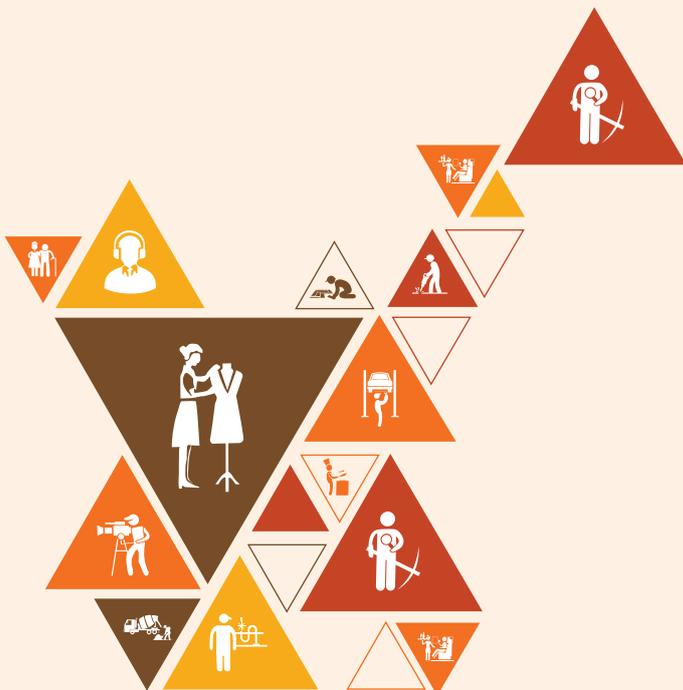
Transforming the skill landscape



8. Annexure

Annexure I - Training Delivery Plan

Annexure II - Assessment Criteria



Annexure I: Training Delivery Plan

Training Delivery Plan			
Programme Name:	Junior Batching Plant Operator		
Qualification Pack Name & Ref. ID	IES/Q0117		
Version No.	1.0	Version Update Date	30/12/2015
Pre-requisites to Training (if any)	<p>Preferably Class 8th Standard</p> <p>Certification Training in Batching Plant Operations preferred</p> <p>Preferably 2 years experience as 'helper' in batching plant operations</p>		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <p>Assist in carrying out pre-operation checks on a batching plant. General introduction to batching plants, basic working of various components sections, engine, hydraulic and electrical systems, operational controls and instrument panel, preparing machine and related systems for operations</p> <p>Assist in operating a batching plant. Properties of materials cement and aggregates, starting of transit mixer, loading of materials, monitoring and regulating mixing, discharging of concrete, shutting down the plant; post-operative checks</p> <p>Assist in carrying out regular maintenance of a batching plant. General maintenance procedures and periodic service schedule; common faults and their diagnosis; reports and documents.</p> <p>Comply with worksite health and safety guidelines. Health, safety and environment policies; personal protective equipment, fire-fighting equipment, basic first aid for common injuries at work site.</p>		

Sl. No	Module Name	Session Name	Session Objectives	NOS Reference	Methodology	Training Tools/Aids	Duration hh:mm
1	Introduction	Icebreaker	<ul style="list-style-type: none"> • Introduce themselves to each other • Build rapport between students and with the trainer • Create a pleasant learning environment. 	N/A	Group: Activity passing the parcel	<ul style="list-style-type: none"> • Available object such as pen, book, duster etc. 	00:30
2	Introduction	About the Programme	<ul style="list-style-type: none"> • Understand the roles and responsibilities of junior batching plant operator • Understand the history of batching plant • Acquire an overview of the programme and training curriculum; 	N/A	Facilitator-led-discussion, Demonstration , Self Study	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • Scaled Model of Batching Plant for theory sessions 	01:00
3	Introduction	About the Product	<ul style="list-style-type: none"> • Understand history of batching plant. • Understand the basic features and use of batching plant. • Identify various parts of batching plant and their use. • Understand different types of batching plant and their use and function. 	N/A	Facilitator-led-discussion, Demonstration , Self Study, Collaborative training.	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • Scaled Model of Batching Plant for theory sessions 	05:30

3	Introduction	About the Product	<ul style="list-style-type: none"> • Learn about weighing systems storage systems, water systems , conveying system, admix systems, their use and function. • Identify different equipment in batching plant such as conveyors, dust collector bins, weigh hoppers, water storage tanks, admix system, pumps, mixers, components, and functions. • Learn about equipment operating systems like hydraulics, electrical system lubricating systems, pneumatic systems, mechanical systems and fuel systems. • Understand significance and methods of lubricating different parts of batching plant. • Understand the safety features of batching plant. 	N/A	Facilitator-led-discussion, Practical demonstration, Video demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system 	
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4	Introduction	About Individual Parts Of Batching Plant	<ul style="list-style-type: none"> • Understand the Pneumatic system. • know about the Cement scale. • Understand the Feeder equipment and aggregate weigh. • Understand the Batching gates. • Understand the Water weigh/water batching. • Know about the Discharge hopper and chute. • Understand the Compartment batcher attachment. 	N/A	Facilitator-led-discussion Practical Demonstration, Video demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • Safety Vedios, • PPE Items 	04:30
5	Introduction	Ancillary Equipment	<ul style="list-style-type: none"> • Understand the Cement Silos & Screw Conveyor. • Understand the Vibrator fitted Rocker. • Understand the Admixture batching Device. • Understand the Humidity Measuring Probe. • Understand the Cement Loosening Device. 	N/A	Facilitator-led-discussion, Practical Demonstration, Video demonstration, Role Play	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • Scaled Model of Batching Plant for theory sessions • Safety Vedio • PPE Items 	03:30

6	Assist in Pre-operation Checks on Batching Plant	External Plant Components & Attachments	<ul style="list-style-type: none"> • Check the concrete Batching Plant for leakages and breakdowns • Visually inspect various parts of the concrete Batching Plant 	IES/N0128 PC9, PC10, PC11, PC12, PC13, PC14, PC15, PC16, PC17, KA1, KA2, KA3, KB6, KB7, KB8	Facilitator-led-discussion Demonstratio, Role play, Discussion	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • Scaled Model of Batching Plant for theory sessions 	20:00
7	Assist in Pre-operation Checks on Batching Plant	Inside the Batching Compartment	<ul style="list-style-type: none"> • Identify parts of mixer components that you need to inspect as per the condition. • Check the fuel and coolant levels 	IES/N0128 PC1, PC2, PC3, PC4, PC5, PC6, KB5, KB6, KB7, KB8	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • Manufacturers O and M Manual & Video • PPE • Safety video 	19:00
8	Assist in Batching Plant Operations	Inspection of Worksite & Safety	<ul style="list-style-type: none"> • Assist concrete Batching Plant Operator in inspecting the Worksite for safe operations • Understand and interpret the communication Symbols used to guide concrete Batching Plant Operator • Understand and interpret the symbols used for site safety 	IES/N0129 PC7, PC8, KA4, KA5,	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • Adequate stocks of cement, admixture and other aggregates • PPE • Safety video 	12:00

9	Assist in Batching Plant Operations	Standard Operations	<ul style="list-style-type: none"> • Know about water pump operations • Know about to follow various instructions given by senior operator • Know about loading concrete aggregates are properly weighed and loaded in the mixing chamber 	IES/N0129 PC2, PC3, PC4, PC5, PC6, KB2, KB3, KB4, KB5, KB6, KB7, KB8, KB9, KB10, KB11	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • PPE • Safety video 	15:00
10	Assist in Batching Plant Operations	Reporting and Documentation	<ul style="list-style-type: none"> • Identify and understand a concrete batching plant pre-use check list the machine • Identify and understand a concrete batching plant worksite inspection checklist • Assist operator in filling the report and checklist documents suitably 	IES/N0129 KA2, KA3, KA4, KA5, KA6, KB12	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • PPE • Safety video • First Aid Kit 	06:00
11	Assist in Regular Maintenance of Batching Plant	Basic Maintenance & Schedules	<ul style="list-style-type: none"> • Do basic concrete batching plant components maintenance tasks • Read and understand a maintenance schedule 	IES/N0130 PC1, PC2, PC3, PC4, PC5, PC6, PC7, PC8, PC9, PC10, PC11, PC12, PC13, KB1, KB2, KB3, KB4, KB5, KB6, KB7, KB8	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • Live Batching Plant at nearby project site for practical sessions • PPE • First Aid Kit 	32:00

12	Assist in Regular Maintenance of Batching Plant	Reporting & Documentation	<ul style="list-style-type: none"> • Maintain a checking/maintenance logbook to record all activities • Inform concrete batching plant operator of problems that are beyond the scope of a junior concrete batching plant operator 	IES/N0130 PC14, PC15, KA1, KA2, KA3KA5, KA6, KB9, KB10	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • PPE • Safety video • First Aid Kit 	15:00
13	Worksite Health & Safety	Environment, Safety & Health (ESH) Policies and Guidelines	<ul style="list-style-type: none"> • Understand the safety precautions that a junior operator Batching Plant needs to follow while at work • Understand various Do's and Don'ts while working with the concrete Batching Plant 	IES/N7601 PC1, KA1, KA2, KA3	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Organisation's ESH / Safety video • PPE Items & Safety Gear • Firefighting equipment & Charts • First Aid Kit and Charts 	03:00
14	Worksite Health & Safety	Types and Use of Personal Protective Equipment (PPE)	<ul style="list-style-type: none"> • Understand common personal protective equipment's • List and know the various uses of PPE 	IES/N7601 PC2, SB2	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • PPE 	02:00

15	Worksite Health and Safety	Common Hazards and Preventive Measures	<ul style="list-style-type: none"> • Understand the common hazards and preventive measures • Follow the necessary Do's and Don'ts that may help avoid accidents at work 	IES/N7601 PC3 & PC4 KA4, KA5, KA6, KA7, KA8, KA9 SB1, SB7 & SB8	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • PPE • Safety video • First Aid Kit 	02:00
16	Worksite Health & Safety	Segregation and Disposal of Waste	<ul style="list-style-type: none"> • Identify different types of waste and their segregation • Understand the procedure for correct disposal of waste 	IES/N7601 PC5, KB5	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • PPE • Safety video • Firefighting Eqpt • First Aid Kit 	01:00
17	Worksite Health & Safety	Basic Fire-fighting Equipment and Use	<ul style="list-style-type: none"> • Identify various type of fire-fighting equipment's for different types of fire • Understand and acquire suitable fire-fighting equipment operating • Understand the usage of right firefighting equipment on type of fire 	IES/N7601 PC6 & PC7	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • PPE • Safety video • Firefighting Eqpt • First Aid Kit 	02:00

18	Worksite Health and Safety	Common injuries and appropriate first aid	<ul style="list-style-type: none"> • Identify various contents in first aid kit • Administer first aid for common injuries 	IES/N7601 PC8 & PC9	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection system • PPE • Safety video Fire-fighting Equipment First Aid Kit 	02:00
19	Communication Skills & Customer Care	Preparing for work	<ul style="list-style-type: none"> • Understand the importance of grooming • Follow professional grooming guidelines for a junior batching plant operator 	SA1, SA2,	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection 	01:00
20		Communication Skills	<ul style="list-style-type: none"> • Identify and understand the need for effective communication at worksite 	SA3, SA4, SA5	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection 	01:00
21	Communication Skills & Customer Care	Time Management	<ul style="list-style-type: none"> • Identify and understand time wasters as stumbling blocks. 	SB1, SB2	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none"> • Whiteboard and marker • Participant Handbook • Audio-video projection 	01:00

22	Communication Skills & Customer Care	Customer Services	<ul style="list-style-type: none">• Understand and demonstrate the importance of handling complaints• Identify, understand and demonstrate the method to resolve complaints	SB5, SB6,	Facilitator-led-discussion Demonstration	<ul style="list-style-type: none">• Whiteboard and marker• Participant Handbook• Audio-video projection	01:00
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Annexure II: Assessment Criteria

Assessment Criteria	
Job Role	Junior Batching Plant Operator
Qualification Pack	IES/ Q0117 Version 1.0
Sector Skill Council	Infrastructure Equipment

Sr. No.	Guidelines for Assessment
1	Criteria for assessment for Qualification Pack has been laid down based on the NOS's. Each Performance Criteria (PC) has been assigned marks proportional to its importance within NOS and weightages have also been given among the NOSs accordingly.
2	The assessment of the theory/knowledge will be based on written test/viva or both while skill test shall be hands on practical. Behaviour and attitude will be assessed while performing the assigned task.
3	The assessment shall be done as per the guidelines formulated by IESC. The assessment agencies in consultation with IESC will create unique question papers for theory/knowledge and practical skills at each IESC accredited testing centres (as per assessment criteria below)
4	To pass the Qualification Pack, every trainee should score a minimum of 40% in each NOS and 50% aggregate. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification pack.

NOS	PC	Marks Allocation			
		Total Marks	Out of	Theory	Skills Practical
1. IES/N0128 Assist in carrying pre-operation checks on a batching plant	Pc1. Assist in inspecting oil and filter on air compressor, drain tank manifold and all traps as per the procedures set by the manufacturer	35	2	1	1
	Pc2. Check the oil level in all gear boxes, hydraulic unit, drum motor oil and auto-roll as per instructions from the operator/supervisor		1	0	1
	Pc3. Fill all the bins and silos as per instruction from the operator/supervisor		2	1	1
	Pc4. Check for tensions on all v-drive belts and other belts for wear and tear as per the instruction from the operator/manufacturer		1	0	1
	Pc5. Store the liquid admixture as per the organizational standards to avoid contamination		3	1	2
	Pc6. Check that admixture dispensers are in good working condition as stated by the operator/supervisor		2	1	1
	Pc7. Ensure that safety equipment is present and securely mounted as per the organizational standards		1	0	1
	Pc8. Check for wiring damage and loose electrical fitting for the electric drive motors		2	1	1
	Pc9. Turn off mixer motor before carrying out mixer cleaning or chipping		2	1	1
	Pc10. Empty the weigh hoppers from the previous day's operation		2	0	2
	Pc11. Clean the area under plant for spillage and trace source		1	0	1
	Pc12. Check conveyors, boom scrapers and bucket elevators for free running and wear, and adjust as per the instructions from the operator's supervisors		3	1	2
	Pc13. Check all hoppers and doors are in clean and efficient working order		1	0	1
	Pc14. Check tightness of all hydraulic connections and the condition of flexible tubes		2	1	1
	Pc15. Check and remove any cement or concrete build up in the mixer		1	0	1
	Pc16. Check dust seals on cement hoppers for wear		3	1	2
	Pc17. Check mixer drums for structural cracks or damage		1	0	1

NOS	PC	Marks Allocation			
		Total Marks	Out of	Theory	Skills Practical
	Pc18.Ensure that before work, the machine should have an empty running		2	1	1
	Pc19.Assist in maintaining a check/ maintenance logbook to record all activities performed before starting the batching plant		1	0	1
	Pc20.Report defects precisely to the operator/supervisor		2	1	1
	Total		35	11	24
2. IES/N0129 Assist in carrying out batching plant operations	Pc1. Assist in starting components in correct order as per instructions from the operator/supervisor	30	3	1	2
	Pc2. Assist in monitoring and regulate materials such as proportions of aggregates, cement, water, and admixtures as per instructions from the operator/ supervisor		3	1	2
	Pc3. Use the emergency stop button to disable all power to the batching plant in case of a crisis, as per instructions form the operator/supervisor		3	1	2
	Pc4. Coordinate with ground personnel, loader operators and truck drivers		3	1	2
	Pc5. Ensure that truck is properly positioned under sock to ensure correct direction of the drum		4	1	3
	Pc6. Discharge batched concrete into delivery trucks/mixers as per instructions from the operator/ supervisor		3	1	2
	Pc7. Assist in shutting down procedures as per instructions from the operator/ supervisor		3	1	2
	Pc8. Wear dust masks when working around the plant		2	0	2
	Pc9. Make positive eye contact with other equipment operators at the site before crossing in front of or behind the equipment		3	1	2
	Pc10. Wear all PPE while sampling concrete and for all operations		3	1	2
	Total		30	9	21

NOS	PC	Marks Allocation			
		Total Marks	Out of	Theory	Skills Practical
3.IES/N0130 Assist in regular maintenance of the batching Plant	Pc1.Clean drum mixer internally as per instructions form the operator/ supervisor	20	1.5	0.5	1
	Pc2.Wash the batching plant externally with water to remove all built-up deposits as per instructions form the operator/ supervisor		1	0	1
	Pc3.Lubricate the equipment in different parts as per instructions of the operator		1	0	1
	Pc4.Replace defective components as per instructions from the operator/ supervisor		1.5	0.5	1
	Pc5.Clean the rubber chute that discharges the cement into the mixer as per instructions from the operator/ supervisor		2	1	1
	Pc6.Assist in performing basic housekeeping activities in the control room		1	0	1
	Pc7.Adjust all belt wipers as per instructions from the operator/ supervisor		1.5	1	0.5
	Pc8.Blow clean all air filters on air compressor and aeration blowers as per instructions from the operator/ supervisor		1	0	1
	Pc9.Adjust tension of the chain and scoops unit as per instructions from the operator/ supervisor		1	0	1
	Pc10.Turn off the mains power from panel completely before carrying out maintenance work		1	0	1
	Pc11.Replace the defective parts are replaced immediately as per instructions from the operator/ supervisor		1.5	1	0.5
	Pc12. Clean magnetic oil plugs during each oil change as per instructions from the operator/ supervisor		1.5	0.5	1
	Pc13.Handle and dispose waste based on environmental guidelines at the work place		1	0	1
	Pc14.Follow reporting procedures as laid down by the employer		2	1	1
	Pc15.Report and escalate problems/ incidents as required in a timely manner		1.5	0.5	1
	Total	60	6	54	

NOS	PC	Marks Allocation			
		Total Marks	Out of	Theory	Skills Practical
4.IES/N7601 Comply with worksite health and safety guidelines	Pc1. Comply with safety, health, security and environment related regulations/ guidelines at the work site	15	2	1	1
	Pc2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the equipment and the worksite instructions from the operator/ supervisor		1	0	1
	Pc3. Follow safety measures during operations to ensure that the health and safety of self or others (including members of not at risk		2	1	1
	Pc4. Carry out operations as per the manufacturer's and worksite related health and safety guidelines		1	0	1
	Pc5. Handle the transport, storage and disposal of hazardous materials and waste in compliance with worksite health, safety and environmental guidelines		3	1	2
	Pc6. Operate various grades of fire extinguishers, as applicable		1	0	1
	Pc7. Support in administering basic first aid and report to concerned team members, as required, in case of an accident		2	1	1
	Pc8. Support in administering basic first aid and report to concerned team members, as required, in case of an accident		1	0	1
	Pc9. Record and report details related to operations, incidents or accidents, as applicable		2	1	1
			Total	15	5

Do



- Explain each guideline for assessment in detail.
- Explain the score that each trainee needs to obtain.
- Recapitulate each NOS one-by-one and take participants through the allocation of marks for theory and skills practical.
- Explain the allocation of marks. Explain that they will be assessed on theory and skills practical.
- Explain that for the first NOS, <11> marks are allotted for theory and <24> for skills practical.



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Web : www.iescindia.com

Phone : +91 80 2675 4480

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