







Participant Handbook

Sector **Automotive**

Sub-Sector Road Transportation

Occupation **Driving**

Reference ID: ASC/Q9714, Version 1.0,

NSQF Level 4



Chauffeur/Taxi Driver

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Automotive Skills Development Council ASDC Contact Details:

Address: Sat Paul Mittal Building, 1/6, Siri Institutional Area, Khel Gaon Road, New Delhi - 110049, India

Email : info@asdc.org.in Phone : 01141868090

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

Shri Narendra Modi Prime Minister of India







Certificate

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is hereby issued by the

AUTOMOTIVE SKILLS DEVELOPMENT COUNCIL

foi

SKILLING CONTENT: PARTICIPANT HANDBOOK

Complying to National Occupational Standards of

Job Role/ Qualification Pack: <u>'Chauffeur/ Taxi Driver'</u> QP No. <u>'ASC/Q 9714 NSQF Level 4'</u>

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(Automotive Skills Development Council)

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About this Book —

Indian Auto Industry is one of the largest in the world. The industry is expected to contribute 10% to India's GDP as per Automotive Mission Plan 2016-26 and create 65 million additional jobs. This sector has massive potential for jobs throughout the country. In line with the rapid technological advancement in this field, there are exciting prospects for a fulfilling career in this industry.

This book is designed to enable a candidate to acquire skills that are required for employment. The content of this book is completely aligned to the National Occupation Standards QP/NOS and conform to the National Skills Qualification Framework (NSQF).

The Qualification pack of a Chauffeur/Taxi driver, Level 4 includes the following NOS's which have all been covered across the units:

Assess and ensure road worthiness of the vehicle (ASC/N9703)

Coordinate with control room and reach to the customer pickup point (ASC/N9706)

Drop the customer safely using the quickest route and collect the applicable fare for Taxi Driver (ASC/N9707)

Coordinate schedule and complete the assigned activities (ASC/N9719)

Drop the customer safely using the quickest route for chauffeur (ASC/N9720)

Work effectively in a team (ASC/N0002)

Practice HSE and security related guidelines (ASC/N0012)

Key Learning Objectives for the specific NOS mark the beginning of the unit/s for that NOS. The symbols used in this book are described below.

Happy learning!!

Symbols Used



Key Learning Outcomes



Steps



Time



Tips



Notes



Unit Objectives



Summary



Exercise



Activity

Table of Content

S.No	Modules and Units	Page No
1.	Introduction	1
	Unit 1.1 - Introduction to Automobiles	3
	Unit 1.2 - Classification of Automobiles	5
	Unit 1.3 - Invention of Automobiles	9
	Unit 1.4 - Job Role of Chauffeur/Taxi driver	13
2.	Assess and Ensure Road Worthiness of the Vehicle (ASC/N9703)	17
	Unit 2.1 - Vehicle road worthiness	19
	Unit 2.2 - Basic technical check before the trip	42
	Unit 2.3 - Escalation of technical problem	68
3.	Coordinate with Control Room and Reach to the Customer Pickup Point (ASC/N9706)	75
	Unit 3.1 - Compliance to duty	77
	Unit 3.2 - Control room coordination	82
	Unit 3.3 - Escalation of problems	84
4.	Drop the Customer Safely Using the Quickest Route tnd Collect the Applicable Fare	
	for Taxi Driver (ASC/N9707)	97
	Unit 4.1 - Conformance to standard driving practices	99
	Unit 4.2 - Picking and dropping passenger and fare collection	103
	Unit 4.3 - Conformance to traffic regulation	112
	Unit 4.4 - General conduct on the road	123
5.	Coordinate Schedule and Complete the Assigned Activities (ASC/N9719)	131
	Unit 5.1 - Compliance to duty	132
	Unit 5.2 - Schedule coordination and execution of the tasks	136
	Unit 5.3 - Customer Centricity on the Job	144
6.	Drop the Customer Safely Using the Quickest Route for Chauffeur (ASC/N9720)	151
	Unit 6.1 - Conformance to standard driving practices	153
	Unit 6.2 - Picking and dropping passengers	157
	Unit 6.3 - Conformance to traffic regulation	163
	Unit 6.4 - General conduct on the road	167
7.	Work Effectively as Team (ASC/N0002)	171
	Unit 7.1 - Interact & communicate effectively with colleagues including member in the own group as well as other groups	173
	Unit 7.2 - Organizational Context	188
	Unit 7.3 - Technical Knowledge	197





























Table of Content

S.No	Modules and Units	Page No
8.	Practice HSE and Security Related Guidelines (ASC/N0012)	203
	Unit 8.1 - Performance Criteria for Healthy, Safe & Secure Work Environment	205
	Unit 8.2 - Knowledge & Understanding: Healthy, Safe & Secure Work Environment	216
	Unit 8.3 - Limit damage to people/client and public	224
	Unit 8.4 - Organizational Context	236
	Unit 8.5 - Technical Knowledge	248
9.	Employability & Entrepreneurship Skills	257
	Unit 9.1 - Personal Strengths & Value Systems	261
	Unit 9.2 - Digital Literacy: A Recap	275
	Unit 9.3 - Money Matters	279
	Unit 9.4 - Preparing for Employment & Self Employment	287
	Unit 9.5 - Understanding Entrepreneurship	295
	Unit 9.6 - Prenaring to be an Entrepreneur	315







































1. Introduction

Unit 1.1 - Introduction to Automobiles

Unit 1.2 - Classification of Automobiles

Unit 1.3 - Invention of Automobiles

Unit 1.4 - Job Role of Chauffeur/Taxi Driver



Key Learning Outcomes



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

- 1. Explain what is an automobile
- 2. Describe the evolution of automobiles
- 3. Explain the scope of automotive industry in India
- 4. Explain the taxi business in India
- 5. Classify automobiles based on different criteria
- 6. Describe role and responsibilities of a chauffeur/taxi driver

UNIT 1.1: Introduction To Automobile

– Unit Objectives 💇



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

- 1. Explain what is an automobile
- 2. Describe the evolution in automobiles

1.1.1 What is an Automobile? ————

A wheeled vehicle that is powered by a motor is called an automobile. Automobiles replaced the traditional animal powered transport such as horse drawn carriages. Automobiles are used to transport people and goods from one location to another.

The first car built with an internal combustion engine is the Benz Patent-Motor Wagen in the year 1885. This car ran on petrol.



Fig 1.1.1 The Benz Patent-Motor wagen

Evolution in Automobiles

Automobiles went through a process of evolution from the very beginning. This is shown in the set of images below which show the early efforts of people trying to build an automobile, to the current day automobile.



A chariot driven by the wind

1769



The first vehicle driven by steam power First steam carriage

1893



Three – wheeled phaeton



The first electric self-starter car

1928

1801



Synchro-mesh transmission vehicle

1940



Sealed beam headlamps became standard: and automatic transmission was mass produced

1949



New high-compression engines were introduced, and bodies acquired bigger areas of glass

1960



Toyota Corolla

1983



Maruti 800

1998



Tata Indica

2017



Hyundai Ioniq Electric

Table 1.1.2 Progress of Automobiles

Different Names for Automobiles

Automobiles are known by different names like:

- Car
- Motor Vehicle
- Motor Car
- Auto Rickshaw
- Motor Wagon
- Bus
- Truck

UNIT 1.2: Classification Of Automobiles

- Unit Objectives



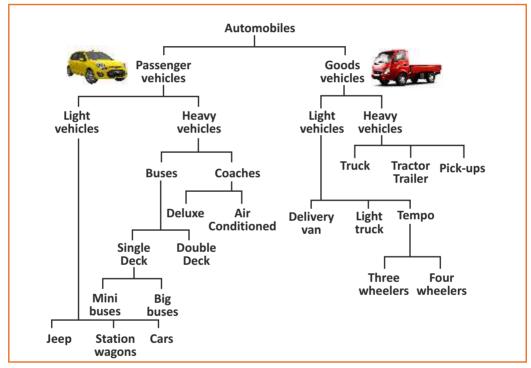
At the end of this unit, you will be able to:

· Classify automobiles according to their use and other conditions

1.2.1 Broad Classification of Automobiles

Automobiles can be widely classified into two categories – passenger vehicles and goods vehicles. While passenger vehicles are used to transport people, goods and materials of various kinds.

The chart below shows different types of automobiles.



Flow chart 1.2.1 Classification of vehicles According to what it carries

1.2.2 Other Classifications of Automobile

Automobiles can also be classified in various ways as given below:

1. Automobile Fuel Used

Vehicles can be grouped according to the fuel used and are mentioned below:

- a. Petrol vehicle Station wagons
- b. Diesel vehicle Trucks, Buses
- c. Electric Vehicle Electric Car,
- d. CNG vehicle Cars, Trucks and Buses