



B. Voc in Automotive Skills

M. Voc in Automotive Skills

## M.Voc. in Automotive Skills

The M.Voc. program is also modular in nature with multiple exit points at Post Graduate Diploma and M.Voc. degree.

Each of four semester carries 25 credits, resulting in total of 100 credits for M.Voc.

## Objectives

- To train the students for NSQF level 9 in at least one job role/profile in specialized areas of automotive industries.
- To train the students for multiple advanced skill sets under the domain of Automotive technology like Engine emissions, vehicle design and dynamics, Instrumentation.
- To enable the students to analyze industry problems of Automotive sector and develop/formulate solution to these problems.
- To develop the ability in students to work as a trainer for training the manpower in any Automotive companies like Maruti, Hyundai, Toyota, Mahindra, Volkswagen, Tata, Ford etc.
- Provide opportunities to undertake research in Automotive sector areas like electric vehicle, hybrid vehicle technology, solar powered vehicles etc.
- To train & equip the students with knowledge and understanding to start his/her own enterprise.

# Duration

2 Years

# Eligibility Criteria

B.Voc., B.Tech., Any other graduate with level 7 skill certificate from NSQF.

# Curriculum

M.Voc. in Automotive Skills				
	Program Structure			
Year	FIRST SEMESTER		SECOND SEMESTER (Industrial Internship)	
	Course	Credits	Course	Credits
I	Elements of Automotive Engineering	4	Industry Assessment	21
	Automotive Vehicle Service	4		
	Automotive Safety and Comfort Systems	4		
	Skills Elective-1	4		
	Skills Elective-2	3		
	Minor Project	2		
	Advanced Mathematics	3		
	Research Methodology	3	Research Work & Publication	3
	Open Elective – I	3	Project Report	4
	Total	30	Seminar	1
			Presentation	1
			Total	30
	Cumulative Credits = 60 (Post Graduate Diploma)			
Year	THIRD SEMESTER		FOURTH SEMESTER (Industrial Internship)	

	Course	Credits	Course	Credits
II	Automotive Maintenance & Management	4	Industrial Training	21
	Automotive Engines & Emissions	4	Research Work & Publication	3
	Vehicle Dynamics	4		
	Skills Elective-3	4	Project Report	4
	Skills Elective-4	3	Seminar	1
	Minor Project	2		
	Advanced Communication Skills	3	Presentation	1
	Teaching Methodology	3	Total	30
	OE-2	3		
	Total	30		
Cumulative Credits = 120 (M. Voc.)				

## ELECTIVES

Skill Electives – I	Skill Electives – II
Automotive Body Repairs	Automotive Electricals
Automotive Paint Technology	Automotive Instrumentation, Battery & Testing
Skill Electives – III	Skill Electives – IV
Automotive Electric Vehicles	Vehicle Dynamics
Automotive Hybrid vehicles	Computer Aided Vehicle Design
Advanced Automotive Electronics	Accident Survey & Repairs

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