



SABARMATI UNIVERSITY

School of Vocational Studies

**Syllabus & Course Structure of Bachelor
of Vocational Studies-**

AUTOMOBILE ENGINEERING

(BVO-AUT)

SEMESTER I (NSFQ LEVEL-4)

Subject Code	Subject Name	Credit	Course Category		Examination Scheme		
			General Education	Skill	Internal Assessment	External Assessment	Total
BVO AUT 101	Communication skill	2		--	30	70	100
BVO AUT 102	Computer skills	2		--	30	70	100
BVO AUT 103	Environmental Studies	2		--	30	70	100
BVO AUT 104	Elements Of Automobile Engineering	2		--	30	70	100
BVO AUT 105	Manufacturing Technology	2		--	30	70	100
BVO AUT 106	Automobile Servicing And Maintenance	2		--	30	70	100
BVO AUT 991	Industrial Training-I	18		—			750
	Total	30			180	420	1350

Industrial Training (750 Marks)	
Project Report	250 Marks
Day to Day Work Report(Diary)	200 Marks
Practical (On site)	200 Marks
Viva-Voce (Conduct by University)	100 Marks

Course Category	Proportion	Credits	Total Lecture (In Hours)
General Education Components	40%	12	180
Skill Components	60%	18	540

Industrial Training-I: The students are advised to undergo 540 hours (10-12 weeks) training in house/ industry / Skill Knowledge Provider (SKP)/ Sector Skill Council (SSC) and should submit training certificates for evaluation during the same semester.

SEMESTER II (NSFQ LEVEL-5)

Subject Code	Subject Name	Credit	Course Category		Examination Scheme		
			General Education	Skill	Internal Assessment	External Assessment	Total
BVO AUT 201	Personality Development - I	2		--	30	70	100
BVO AUT 202	Disaster Management	2		--	30	70	100
BVO AUT 203	Chassis body & Transmission	2		--	30	70	100
BVO AUT 204	Instruments And Equipment	3		--	30	70	100
BVO AUT 205	Automotive Components Design	3		--	30	70	100
BVO AUT 992	Industrial Training II	18		-			750
	Total	30			150	350	1250

Industrial Training (750 Marks)	
Project Report	250 Marks
Day to Day Work Report(Diary)	200 Marks
Practical (On site)	200 Marks
Viva-Voce (Conduct by University)	100 Marks

Course Category	Proportion	Credits	Total Lecture (In Hours)
General Education Components	40%	12	180
Skill Components	60%	18	540

Industrial Training-II:

The students are advised to undergo 540 hours (10-12 weeks) training in industry/ Skill Knowledge Provider (SKP)/ Sector Skill Council (SSC) and should submit training certificate for evaluation during the same semester.

SEMESTER III (NSFQ LEVEL-5)

Subject Code	Subject Name	Credit	Course Category		Examination Scheme		
			General Education	Skill	Internal Assessment	External Assessment	Total
BVO AUT 301	Personality Development- II	2		--	30	70	100
BVO AUT 302	Energy Source and Automobile	2		--	30	70	100
BVO AUT 303	Theory of Mechanics	2		–	30	70	100
BVO AUT 304	Thermal Engineering	3		--	30	70	100
BVO AUT 305	Internal Combustion Engines	3		--	30	70	100
BVO AUT 993	Industrial Training III	18		–			750
	Total	30			150	350	1250

Industrial Training (750 Marks)	
Project Report	250 Marks
Day to Day Work Report(Diary)	200 Marks
Practical (On site)	200 Marks
Viva-Voce (Conduct by University)	100 Marks

Course Category	Proportion	Credits	Total Lecture (In Hours)
General Education Components	40%	12	180
Skill Components	60%	18	540

Industrial Training-III:

The students are advised to undergo 540 hours (10-12 weeks) training in house/industry/ Skill Knowledge Provider (SKP)/ Sector Skill Council (SSC) and should submit training certificate for evaluation during the same semester.

SEMESTER V (NSFQ LEVEL-6)

Subject Code	Subject Name	Credit	Course Category		Examination Scheme		
			General Education	Skill	Internal Assessment	External Assessment	Total
BVO AUT 501	Research Methodology I	2		--	30	70	100
BVO AUT 502	Tractors farm equipment and Off road vehicles	3		--	30	70	100
BVO AUT 503	Vehicle Body Engineering	2		--	30	70	100
BVO AUT 504	Element of noise, vibration and Harmless Control	2		--	30	70	100
BVO AUT 505	Corrosion prevention and Vehicle body paint technology	3		--	30	70	100
BVO AUT 995	Industrial Training V	18		-			750
	Total	30			150	350	1250

Industrial Training (750 Marks)	
Project Report	250 Marks
Day to Day Work Report(Diary)	200 Marks
Practical (On site)	200 Marks
Viva-Voce (Conduct by University)	100 Marks

Course Category	Proportion	Credits	Total Lecture (In Hours)
General Education Components	40%	12	180
Skill Components	60%	18	540

Industrial Training-IV:The students are advised to undergo 540 hours (10-12 weeks)training in house/industry/ Skill Knowledge Provider (SKP)/ Sector Skill Council (SSC) and should submit training certificate for evaluation during the same semester.

SEMESTER V (NSFQ LEVEL-7)

Industrial Training (750 Marks)	
Project Report	250 Marks
Day to Day Work Report(Diary)	200 Marks
Practical (On site)	200 Marks
Viva-Voce (Conduct by University)	100 Marks

Course Category	Proportion	Credits	Total Lecture (In Hours)
General Education Components	40%	12	180
Skill Components	60%	18	540

Industrial Training-V:The students are advised to undergo 540 hours (10-12 weeks)training in house/industry/ Skill Knowledge Provider (SKP)/ Sector Skill Council (SSC) and should submit training certificate for evaluation during the same semester.

SEMESTER VI (NSFQ LEVEL-7)

Industrial Training (750 Marks)	
Project Report	250 Marks
Day to Day Work Report(Diary)	200 Marks
Practical (On site)	200 Marks
Viva-Voce (Conduct by University)	100 Marks

Course Category	Proportion	Credits	Total Lecture (In Hours)
General Education Components	40%	12	180
Skill Components	60%	18	540

Industrial Training-VI: The students are advised to undergo 540 hours (10-12 weeks) training in house/industry/ Skill Knowledge Provider (SKP)/ Sector Skill Council (SSC) and should submit training certificate for evaluation during the same semester.