



# **SABARMATI UNIVERSITY**

**School of Vocational Studies**

**Syllabus & Course Structure**

**Of**

**BACHELOR OF VOCATIONAL  
STUDIES-AGRICULTURE & FARMING  
TECHNOLOGY**

**(BVO-AFT)**

**SEMESTER I (NSFQ LEVEL-4)**

Subject Code	Subject Name	Credit	Course Category		Examination Scheme		
			General Education	Skill	Internal Assessment	External Assessment	Total
BVO AFT 101	<b>Communication Skill</b>	2		--	30	70	100
BVO AFT 102	<b>Computer Skill</b>	2		--	30	70	100
BVO AFT 103	<b>Environmental Studies</b>	2		--	30	70	100
BVO AFT 104	Fundamental Of Agronomy and Horticulture	3		--	30	70	100
BVO AFT 105	Fundamental Of Soil Science	3		--	30	70	100
BVO AFT 991	Industrial Training	18	--				750
	<b>Total</b>	<b>30</b>			<b>150</b>	<b>350</b>	<b>1250</b>

<b>Industrial Training (750 Marks)</b>	
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 Hrs
Skill Components	60%	18	540 Hrs

**Industrial Training-I:**

The students are advised to undergo 540 Hrs (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 II (NSFQ LEVEL-5)

Subject Code	Subject Name	Credit	Course Category		Examination Scheme		
			General Education	Skill	Internal Assessment	External Assessment	Total
BVO AFT 201	Personality Development-1	2		--	30	70	100
BVO AFT 202	Disaster Management	2		--	30	70	100
BVO AFT 203	Basic Principle of Food Processing	2		--	30	70	100
BVO AFT 204	Fundamental Of Entomology Insect	2		--	30	70	100
BVO AFT 205	Renewal and Green Technology	2		--	30	70	100
BVO AFT 206	Principle of Seed Technology	2		--	30	70	100
BVO AFT 992	Industrial Training	18	--				750
	<b>Total</b>	<b>30</b>			<b>180</b>	<b>420</b>	<b>1350</b>

<b>Industrial Training (750 Marks)</b>	
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 Hrs
Skill Components	60%	18	540 Hrs

**Industrial Training-II:** The students are advised to undergo 540 Hrs (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 III (NSFQ LEVEL-6)**

Subject Code	Subject Name	Credit	Course Category		Examination Scheme		
			General Education	Skill	Internal Assessment	External Assessment	Total
BVO AFT 301	<b>Personality Development-2</b>	2		--	30	70	100
BVO AFT 302	<b>00Indian Economy</b>	2		--	30	70	100
BVO AFT 303	Farming System and Sustainable System	2			30	70	100
BVO AFT 304	Production Technology	2		--	30	70	100
BVO AFT 305	Fundamental of Plant Breeding	2		--	30	70	100
BVO AFT 306	Fundamental of Agriculture Engineering	2		--	30	70	100
BVO AFT 993	Industrial Training	18	--				750
	<b>Total</b>	<b>30</b>			<b>180</b>	<b>420</b>	<b>1350</b>

**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 Hrs
Skill Components	60%	18	540 Hrs

**Industrial Training-III:** The students are advised to undergo 540 Hrs (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 IV (NSFQ LEVEL-6)**

Subject Code	Subject Name	Credit	Course Category		Examination Scheme		
			General Education	Skill	Internal Assessment	External Assessment	Total
BVO AFT 401	<b>Value Education and Human Right</b>	2		--	30	70	100
BVO AFT 402	Fundamental of Plant Pathology	2		--	30	70	100
BVO AFT 403	Protected Cultivation Structures	3		--	30	70	100
BVO AFT 404	Cereal and Rural Technology	2		--	30	70	100
BVO AFT 405	Agro Processing Technology	3		--	30	70	100
BVO AFT 994	Industrial Training	18	--				750
	<b>Total</b>	<b>30</b>			<b>150</b>	<b>350</b>	<b>1250</b>

  

Subject Code	Subject Name	Credit	Course Category	Examination Scheme
<b>Industrial Training (750 Marks)</b>				
	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 Hrs
Skill Components	60%	18	540 Hrs

**Industrial Training-IV:** : The students are advised to undergo 540 Hrs (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.

			General Education	Skill	Internal Assessment	External Assessment	Total
BVO AFT 501	<b>Research Methodology -1</b>	3		--	30	70	100
BVO AFT 502	Crop Production	3		--	30	70	100
BVO AFT 503	Farm Power and Machinery	3		--	30	70	100
BVO AFT 504	Manure Fertilizer and Soil Fertilizer	3		--	30	70	100
BVO AFT 995	Industrial Training	18	--				750
	<b>Total</b>	<b>30</b>			<b>120</b>	<b>280</b>	<b>1150</b>

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

### **SEMESTER V (NSFQ LEVEL-7)**

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

**Industrial Training-V:** The students are advised to undergo 540 Hrs (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)**

Subject Code	Subject Name	Credit	Course Category (Contact Hours)		Examination Scheme		
			General Education	Skill	Internal Assessment	External Assessment	Total
BVO AFT 601	<b>Research Methodology -2</b>	3		--	30	70	100
BVO AFT 602	Cereal and Rural Technology	3		--	30	70	100
BVO AFT 603	Food Plantation Crop	3		--	30	70	100
BVO AFT 604	Crop Pests and their Management	3		--	30	70	100
BVO AFT 996	Industrial Training	18	--				750
	<b>Total</b>	<b>30</b>			<b>120</b>	<b>280</b>	<b>1150</b>

<b>Industrial Training (750 Marks)</b>	
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	(In Hours)
General Education Components	40%	12	180 Hrs
Skill Components	60%	18	540 Hrs

**Industrial Training-VI:** The students are advised to undergo 540 Hrs (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.