



VASANTDADA SUGAR INSTITUTE, PUNE

Department of Alcohol Technology and Biofuels

ATTAINMENT LEVEL		
1	2	3
40	60	80

Course Outcome - Program Outcome Attainment Matrix

Academic Year: 2022-23

	Program: MSc WBAT						Sem: I			
Course: Viticulture							Course Code: WT 1.1			
PO's										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target for PO	3.00	1.00	3.00	1.33	2.00	1.80	1.00	1.50	1.20	1.00
Achieved PO	3.00	1.00	3.00	1.33	1.80	1.80	1.00	1.50	1.20	1.00
% Achievement of PO	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00	100.00	100.00
Attainment Level of PO	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Course: Microbiology of Alcohol, Beer & Wine							Course Code: WT 1.2			
PO's										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target for PO	3.00	1.60	1.33	1.33	2.00	1.80	1.00	1.50	1.20	1.00
Achieved PO	3.00	1.50	1.00	1.33	1.80	1.80	1.00	1.50	1.20	1.00
% Achievement of PO	100.00	93.75	75.00	100.00	90.00	100.00	100.00	100.00	100.00	100.00
Attainment Level of PO	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Course: Biochemistry of Alcohol, Beer & Wine							Course Code: WT 1.3			
PO's										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target for PO	3.00	1.50	1.00	1.33	1.20	3.00	1.40	1.20	2.60	3.00
Achieved PO	3.00	1.33	1.00	1.33	1.20	3.00	1.40	1.50	2.60	3.00
% Achievement of PO	100.00	88.89	100.00	100.00	100.00	100.00	100.00	125.00	100.00	100.00
Attainment Level of PO	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Course: Practicals based on Microbiology							Course Code: WT 1.4			
PO's										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target for PO	3.00	1.60	1.33	1.75	2.00	1.80	1.00	1.50	1.20	1.00
Achieved PO	3.00	1.60	1.33	1.75	1.80	1.80	1.00	1.50	1.20	1.00
% Achievement of PO	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00	100.00	100.00
Attainment Level of PO	3.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Course: Fermentation Technology							Course Code: WT 1.5			
PO's										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target for PO	3.00	1.80	1.33	2.00	2.00	2.00	1.00	1.33	1.20	1.00
Achieved PO	3.00	1.75	1.00	2.00	2.00	2.00	1.00	1.33	1.20	1.00
% Achievement of PO	100.00	97.22	75.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Attainment Level of PO	3.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Course: Practicals based on Fermentation Technology							Course Code: WT 1.6			
PO's										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target for PO	3.00	1.60	1.33	1.25	2.00	1.80	1.00	1.50	1.20	1.00
Achieved PO	3.00	1.50	1.00	1.25	1.80	1.80	1.00	1.50	1.20	1.00
% Achievement of PO	100.00	93.75	75.00	100.00	90.00	100.00	100.00	100.00	100.00	100.00
Attainment Level of PO	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

Amaze
Academic Incharge

Bionde
Head of the Department

Amaze
Principal





VASANTDADA SUGAR INSTITUTE, PUNE

Department of Alcohol Technology and Biofuels

ATTAINMENT LEVEL		
1	2	3
40	60	80

Course Outcome - Program Outcome Attainment Matrix

Academic Year: 2022-23

Program: MSc WBAT

Sem: II

Course: Alcohol Technology-I

Course Code: WT 2.1

PO's

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target for PO	3.00	2.40	1.50	2.20	1.00	2.60	1.00	1.00	3.00	3.00
Achieved PO	3.00	2.40	1.50	2.20	1.00	2.60	1.00	1.00	3.00	3.00
% Achievement of PO	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Attainment Level of PO	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

Course: Brewing Technology-I

Course Code: WT 2.2

PO's

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target for PO	2.80	2.20	1.50	2.60	1.00	2.60	1.00	1.00	3.00	3.00
Achieved PO	2.75	2.00	1.50	2.33	1.00	2.50	1.00	1.00	3.00	3.00
% Achievement of PO	98.21	90.91	100.00	89.74	100.00	96.15	100.00	100.00	100.00	100.00
Attainment Level of PO	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

Course: Practicals Based on Alcohol, Brewing and Enology

Course Code: WT 2.4

PO's

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target for PO	3.00	2.20	2.00	1.75	2.00	1.80	1.00	1.50	1.20	1.00
Achieved PO	3.00	2.20	2.00	1.75	1.80	1.80	1.00	1.50	1.20	1.00
% Achievement of PO	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00	100.00	100.00
Attainment Level of PO	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

Course: Chemical and Plant Engineering-I

Course Code: WT 2.5

PO's

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target for PO	3.00	1.75	2.00	3.00	2.00	2.00	1.00	2.00	1.00	2.00
Achieved PO	3.00	1.75	2.00	3.00	2.00	2.00	1.00	2.00	1.00	2.00
% Achievement of PO	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Attainment Level of PO	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

Course: Practicals Based Chemical and Plant Engineering-I

Course Code: WT 2.6

PO's

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target for PO	2.80	2.20	1.33	1.33	2.00	1.80	1.00	1.50	1.20	1.00
Achieved PO	2.75	2.20	1.33	1.33	1.80	1.80	1.00	1.50	1.20	1.00
% Achievement of PO	98.21	100.00	100.00	100.00	90.00	100.00	100.00	100.00	100.00	100.00
Attainment Level of PO	3.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

Chase
Academic Incharge

Blonde
Head of the Department

Emmer
Principal





VASANTDADA SUGAR INSTITUTE, PUNE

Department of Alcohol Technology and Biofuels

ATTAINMENT LEVEL		
1	2	3
40	60	80

Course Outcome - Program Outcome Attainment Matrix

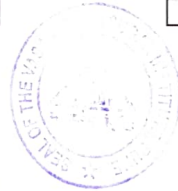
Academic Year: 2022-23

		Program: MSc WBAT				Sem: III					
		Course: Alcohol Technology-II					Course Code: WT 3.1				
		PO's									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
Target for PO	2.80	1.00	1.00	1.00	2.00	2.00	2.00	1.00	2.00	2.00	
Achieved PO	2.80	1.00	1.00	1.00	2.00	2.00	2.00	1.00	2.00	2.00	
% Achievement of PO	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
Attainment Level of PO	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
		Course: Brewing Technology II					Course Code: WT 3.2				
		PO's									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
Target for PO	3.00	1.60	1.67	1.67	2.00	2.20	1.00	1.50	1.20	1.00	
Achieved PO	3.00	1.60	1.67	1.67	2.00	2.20	1.00	1.50	1.20	1.00	
% Achievement of PO	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
Attainment Level of PO	3.00	2.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	
		Course: Practical Based on alcohol, brewing and wine technology					Course Code: WT 3.4				
		PO's									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
Target for PO	3.00	2.40	1.33	1.75	2.00	1.80	1.00	2.25	1.20	1.00	
Achieved PO	3.00	2.25	1.00	1.75	1.80	1.80	1.00	2.25	1.20	1.00	
% Achievement of PO	100.00	93.75	75.00	100.00	90.00	100.00	100.00	100.00	100.00	100.00	
Attainment Level of PO	3.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
		Course: Practicals Based on Marketing of alcoholic beverages					Course Code: WT 3.6				
		PO's									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
Target for PO	3.00	2.20	1.60	1.33	2.00	1.80	1.00	1.50	1.20	1.00	
Achieved PO	3.00	2.20	1.60	1.33	1.80	1.80	1.00	1.50	1.20	1.00	
% Achievement of PO	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00	100.00	100.00	
Attainment Level of PO	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	

Abhisek
Academic Incharge

Blonde
Head of the Department

Empire
Principal



Course: Practicals based on Brewing Technology							Course Code: WT 4.6.2			
PO's										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target for PO	2.80	2.20	2.00	1.40	2.00	1.80	1.00	1.50	1.20	1.00
Achieved PO	2.75	2.20	2.00	1.40	1.80	1.80	1.00	1.50	1.20	1.00
% Achievment of PO	98.21	100.00	100.00	100.00	90.00	100.00	100.00	100.00	100.00	100.00
Attainment Level of PO	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

Course: Practicals based on Enology							Course Code: WT 4.7.2			
PO's										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target for PO	3.00	2.60	2.00	2.00	2.00	1.80	1.00	1.50	1.20	1.00
Achieved PO	3.00	2.60	2.00	2.00	1.80	1.80	1.00	1.50	1.20	1.00
% Achievment of PO	100.00	100.00	100.00	100.00	90.00	100.00	100.00	100.00	100.00	100.00
Attainment Level of PO	3.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

Bhargava
Academic Incharge

B. S. Bhande
Head of the Department

S. S. S. S.
Principal



Principal
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